

CATALOG

# High voltage induction motors

## Technical catalog



- ABB's induction motors are highly customized, fine-tuned to the customer's precise needs, and offer a high degree of engineering flexibility

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**We provide motors and generators, services and expertise to save energy and improve customers' processes over the total life cycle of our products, and beyond.**

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ABB reserves the right to change the designs, technical specifications and dimensions without prior notice.

This catalog presents preliminary standard technical data and drawings of engineered induction motors. Data presented in rating lists are typical values. All engineered motors are configured and optimized according to the customer specifications. Accurate motor data will be given on request at the quotation phase.

All ratings in this catalog are designed for the following:

- Class F insulation / Maximum temperature rise of 80 °C by resistance
- 40 °C ambient
- Altitude of 1000 meters or less

## High voltage induction motors

### Efficiency and reliability for all applications

High voltage induction motors from ABB are highly customized, fine-tuned to the customer's precise needs, and offer a high degree of engineering flexibility.

This catalog covers ABB's high voltage induction motors: air cooled motors (type AXR and HXR 560), modular induction motors (type AMI), and slip-ring motors (type NMK).

These ABB motors are optimized to match the customer's specifications and application requirements. They can meet the toughest specifications across different market segments like the oil and gas industry.

The motors are backed by ABB's global support network, which includes over 60 service centers and more than 150 authorized service providers worldwide. The availability of round-the-clock access to spares, repairs and replacements, as well as predefined maintenance programs for all stages of the product life cycle, helps customers to minimize downtime and reduce their cost of ownership.



# Available output power, voltage range and pole numbers

## AXR, output at 50 Hz and 60 Hz

| Poles | Output (kW) at 50 Hz |            |            | Output (kW) at 60 Hz |            |
|-------|----------------------|------------|------------|----------------------|------------|
|       | AXR                  |            |            | AXR                  |            |
|       | 3 kV                 | 6 kV       | 10 kV      | 4.16 kV              | 6.6 kV     |
| 2     | 125 - 1550           | 160 - 1500 | 355 - 1320 | 160 - 1600           | 160 - 1580 |
| 4     | 125 - 1750           | 160 - 1700 | 355 - 1400 | 160 - 1800           | 160 - 1750 |
| 6     | 125 - 1570           | 140 - 1500 | 250 - 1175 | 125 - 1700           | 160 - 1650 |
| 8     | 200 - 1280           | 180 - 1200 | 400 - 900  | 160 - 1300           | 160 - 1300 |
| 10    | 160 - 1030           | 160 - 970  | –          | 160 - 1150           | 160 - 1120 |
| 12    | 140 - 740            | 140 - 680  | –          | 140 - 775            | 200 - 740  |

## HXR 560, output at 50 Hz

| Poles | Output (kW) at 50 Hz |             |             |
|-------|----------------------|-------------|-------------|
|       | HXR                  |             |             |
|       | 3 kV                 | 6 kV        | 10 kV       |
| 2     | 1550 - 1730          | 1500 - 1600 | –           |
| 4     | 1750 - 2240          | 1700 - 2000 | –           |
| 6     | 1570 - 2000          | 1500 - 1800 | 1175 - 1400 |
| 8     | 1280 - 1600          | 1200 - 1500 | 900 - 1120  |
| 10    | 1030 - 1350          | 970 - 1230  | –           |
| 12    | 740 - 1100           | 680 - 980   | –           |

Output ranges of ABB motors (Temperature rise class B, insulation class F). Other voltages on request.

## AMI, output at 50 Hz

| Poles | Output (kW) at 50 Hz |            |            |
|-------|----------------------|------------|------------|
|       | AMI                  |            |            |
|       | 3 kV                 | 6 kV       | 10 kV      |
| 2     | 630 - 8000           | 630 - 8000 | 630 - 7100 |
| 4     | 630 - 8000           | 630 - 7800 | 800 - 6700 |
| 6     | 450 - 6500           | 450 - 6500 | 560 - 5600 |
| 8     | 280 - 4800           | 280 - 4500 | 630 - 4150 |
| 10    | 250 - 3700           | 200 - 3700 | 530 - 3000 |
| 12    | 160 - 3000           | 180 - 2800 | 355 - 2300 |

Output ranges of ABB motors (Temperature rise class B, insulation class F). Other voltages on request.

## NMK, output at 50 Hz

| Poles | Output (kW) at 50 Hz |       |       |
|-------|----------------------|-------|-------|
|       | NMK                  |       |       |
|       | 3 kV                 | 6 kV  | 10 kV |
| 4     | 10000                | 10000 | 9000  |
| 6     | 8500                 | 8500  | 8000  |
| 8     | 6300                 | 6300  | 5600  |
| 10    | 4500                 | 4500  | 4000  |
| 12    | 3550                 | 3550  | 3150  |
| 14    | 2800                 | 2800  | 2500  |
| 16    | 2240                 | 2240  | 2000  |

Output ranges of ABB motors (Temperature rise class B, insulation class F). Other voltages on request.

## The efficiency classes for high voltage AC motors - IEC 60034-30-3

### The IEC efficiency classes

The International Electrotechnical Commission (IEC) has published a standard, IEC/EN 60034-30-3, on efficiency classes for direct on line operated high voltage AC motors. The standard concerns the global harmonization of energy efficiency classes for HV electric motors.

ABB determines motor efficiency values according to the efficiency testing standard (IEC 60034-2-1:2014) using the indirect method, with additional losses determined by measurement. All rib-cooled catalogue motors fulfill IE4 requirements. Of the rib cooled motors delivered to customers, practically all fulfill IE4 requirements.

Almost all present modular catalogue motors fulfill IE4 requirements, and the remaining motors can be optimized to comply with IE4 requirements. Regarding actual deliveries of the modular motors, some are below IE4 due to the need to meet other requirements. Slip ring motors (NMK) are excluded from the standard. For more detailed information please contact ABB.





## Rotor and stator

### Rotor

The key to a long rotor operating life is minimal vibration. This is achieved through robust construction and careful balancing. ABB selects the shaft material according to the demands of the application and the ambient conditions in which the motor is to operate.

Squirrel cages are made of copper, copper alloy or aluminum, depending on the load and customer requirements. Additional stiffness is provided by fabricated rotor bars, which enable the motors to withstand long periods of heavy use. Aluminum bars and end rings are used to ensure optimal starting characteristics.

Wound rotors of slip ring motors are made of materials that can withstand heavy conditions ensuring low vibration levels through a solid structure and the perfect balancing of each component. The wound rotor is VPI impregnated same as stators with ABB's Micadur® Compact Industry insulation system. ABB special rotary VPI curing process for wound rotors minimize vibrations and ensure a lifelong stability; rigid bandages with patented structure also prevent windings from being exposed to distorting centrifugal forces.

Once assembled each rotor is dynamically balanced at full operating speed in accordance with the ISO 1940-1 and ISO 11342 standards on mechanical vibration.

### Stator

The stator core is welded and machined to form a solid and compact unit that retains its rigidity throughout the life of the motor. Radial air ducts ensure uniform and efficient cooling.

When completely wound and connected, the stator is vacuum pressure impregnated and cured with ABB's Micadur® Compact Industry insulation system, a specially formulated epoxy resin used by ABB to insulate all its rotating electrical machines over the past 50 years. Micadur ensures a sealed and homogeneous insulation system, resulting in low dielectric losses, high dielectric strength, excellent heat transfer and the elimination of hazardous internal partial discharges.

As standard, insulation is designed to withstand class F temperature rise, while the motor is typically designed for class B temperature rise.

# High voltage terminal boxes

## Technical data:

|                                |                            |
|--------------------------------|----------------------------|
| Voltage (max.)                 | 6.6 kV                     |
| Current (max.)                 | 400 A                      |
| Dynamic short circuit current  | 30 kA x 0.25s / 75 kA peak |
| No of cables (max.)            | 1 per phase                |
| Cross section of cables (max.) | 300 mm <sup>2</sup> /cable |
| Cable gland                    | Blind gland (1 pce)        |
| Clearance (min.)               | 60 mm                      |
| Creepage (min.)                | 89 mm                      |
| Gross volume                   | 44 dm <sup>3</sup>         |
| Usable volume                  | 39 dm <sup>3</sup>         |
| Connection screws              | M16 (1 pcs/phase)          |
| Connection nuts                |                            |
| tightening torque              | 40 Nm                      |
| Ground connections             | M12 (both in- and outside) |
| Weight                         | 33 kg                      |
| Protection                     | IP66                       |
| Standard                       | DIN 42962 TEIL 1, A2       |

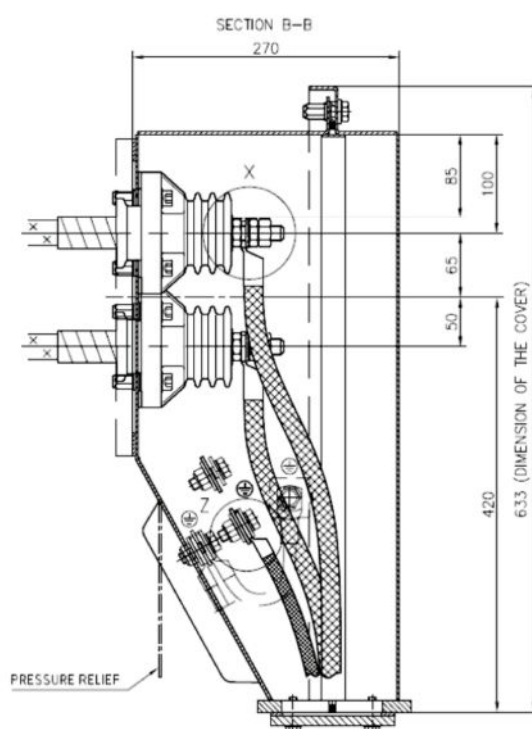
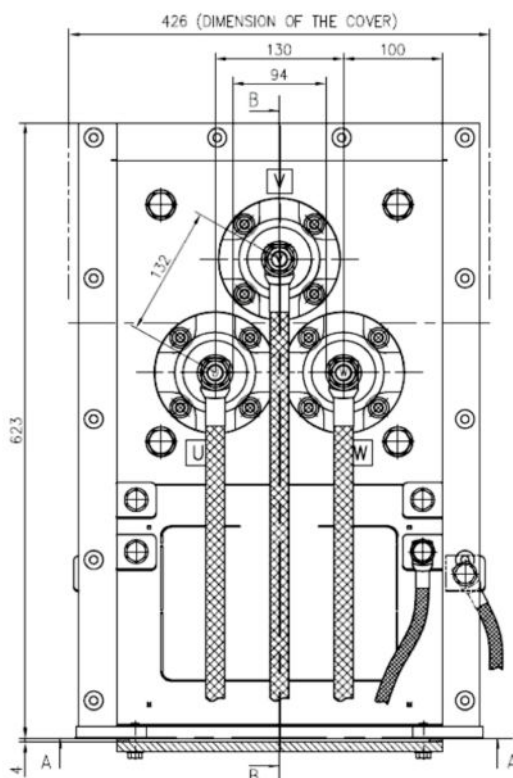
## Materials:

|                   |                                           |
|-------------------|-------------------------------------------|
| Box               | Welded sheet steel (thickness min. 3 mm)  |
| Cable gland plate | Steel                                     |
| Connection screws | Bronze                                    |
| Isolators         | Epoxy casting resin or polyurethane resin |
| Grounding pad     | Stainless steel                           |

## Other features:

- Rigid welded construction
- Ample size for making connections of supply cables
- Box turnable to allow cable entry from left or right
- Box turnable in steps of 90°
- Either 3-phase or 1-phase cables can be connected
- Pressure relief plate in the bottom of box in case of arching short circuit
- Different cable glands available
- Terminal box tested acc. to IEC 298 concerning internal arc strength

01 High voltage terminal box. Dimensions in mm.



# High voltage terminal boxes

## Technical data:

|                                       |                                              |
|---------------------------------------|----------------------------------------------|
| Voltage (max.)                        | 6.6 kV                                       |
| Current (max.)                        | 800 A                                        |
| Dynamic short circuit current         | 30 kA x 0.25s / 75 kA peak                   |
| No. of cables (max.)                  | 2 per phase                                  |
| Cross section of cables (max.)        | 300 mm <sup>2</sup> /cable                   |
| Cable gland                           | Blind gland (1 pce)                          |
| Clearance (min.)                      | 60 mm                                        |
| Creepage (min.)                       | 89 mm                                        |
| Gross volume                          | 197 dm <sup>3</sup>                          |
| Usable volume                         | 189 dm <sup>3</sup>                          |
| Connection screws                     | (M16x1/M12x2/M10x2)/phase                    |
| Tightening torque for connection nuts | 190 Nm (M16),<br>55 Nm (M12),<br>46 Nm (M10) |
| Ground connections                    | M12 (both in- and outside)                   |
| Weight                                | 90 kg                                        |

## Protection Standards

IP66  
DIN 42962 Teil 2, D2  
(internal dimensions)

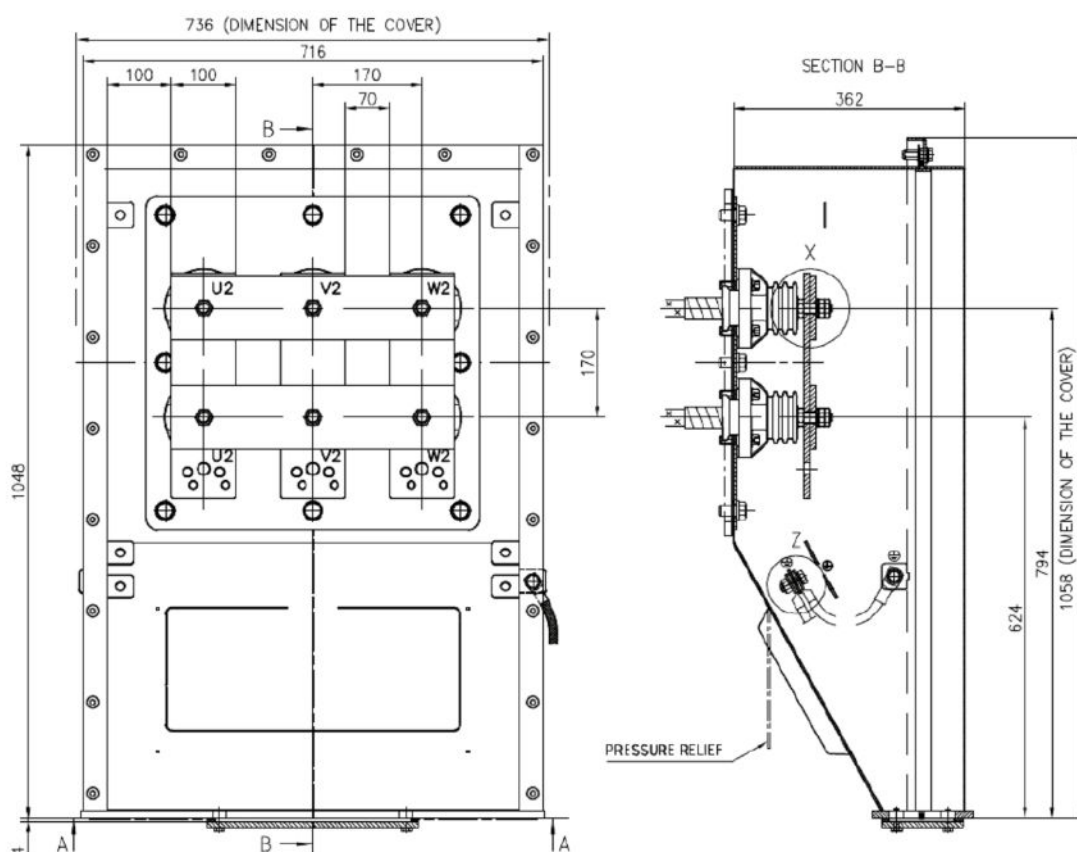
## Materials:

|                   |                                             |
|-------------------|---------------------------------------------|
| Box               | Welded sheet steel<br>(thickness min. 3 mm) |
| Cable gland plate | Steel                                       |
| Connection screws | Bronze                                      |
| Isolators         | Polyurethane resin or epoxy casting resin   |
| Grounding pad     | Stainless steel                             |

## Other features:

- Rigid welded construction
- Ample size for connecting supply cables
- box turnable to allow cable entry from left or right
- Box turnable in steps of 90°
- Either 3-phase or 1-phase cables can be connected
- Pressure relief plate in bottom of box in case of arcing short circuit
- Different cable glands available

02 High voltage star point terminal box, max 6.6 kV.  
Dimensions in mm.



# High voltage terminal boxes

## Technical data:

|                                |                            |
|--------------------------------|----------------------------|
| Voltage (max.)                 | 11.0 kV                    |
| Current (max.)                 | 400 A                      |
| Dynamic short circuit current  | 30 kA x 0.25s / 75 kA peak |
| No. of cables (max.)           | 1 per phase                |
| Cross section of cables (max.) | 300 mm <sup>2</sup> /cable |
| Cable gland                    | Blind gland (1 pce)        |
| Clearance (min.)               | 100 mm                     |
| Creepage (min.)                | 163 mm                     |
| Gross volume                   | 127 dm <sup>3</sup>        |
| Usable volume                  | 117 dm <sup>3</sup>        |
| Connection screws              | M16 (1 pcs/phase)          |
| Connection nuts                | Tightening torque 40 Nm    |
| Ground connections             | M12 (both in- and outside) |
| Weight                         | 62 kg                      |
| Protection                     | IP66                       |
| Standard                       | DIN 42962 TEIL 2, C2       |

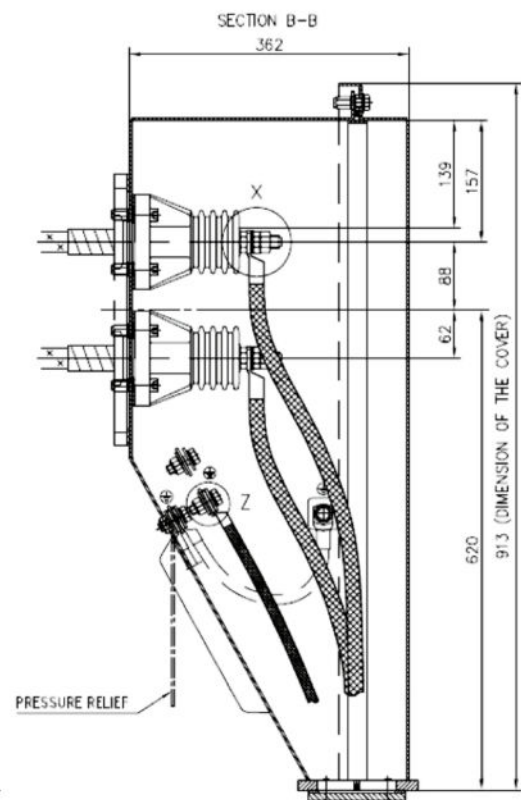
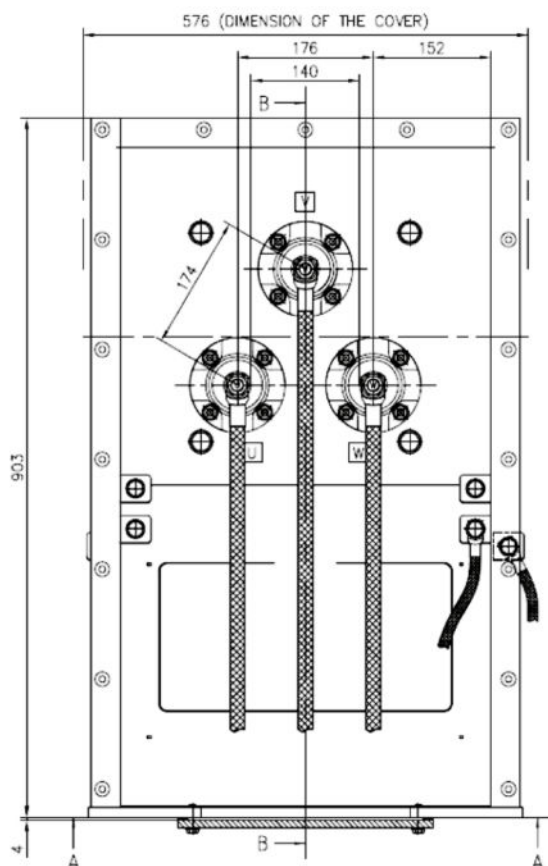
## Materials:

|                   |                                          |
|-------------------|------------------------------------------|
| Box               | Welded sheet steel (thickness min. 3 mm) |
| Cable gland plate | Steel                                    |
| Connection screws | Bronze                                   |
| Isolators         | Epoxy casting resin                      |
| Grounding pad     | Stainless steel                          |

## Other features:

- Rigid welded construction
- Ample size for connecting supply cables
- Box turnable to allow cable entry from left or right
- Box turnable in steps of 90°
- Either 3-phase or 1-phase cables can be connected
- Pressure relief plate in bottom of box in case of arcing short circuit
- Different cable glands available

03 High voltage terminal box, max 11 kV  
Dimensions in mm.

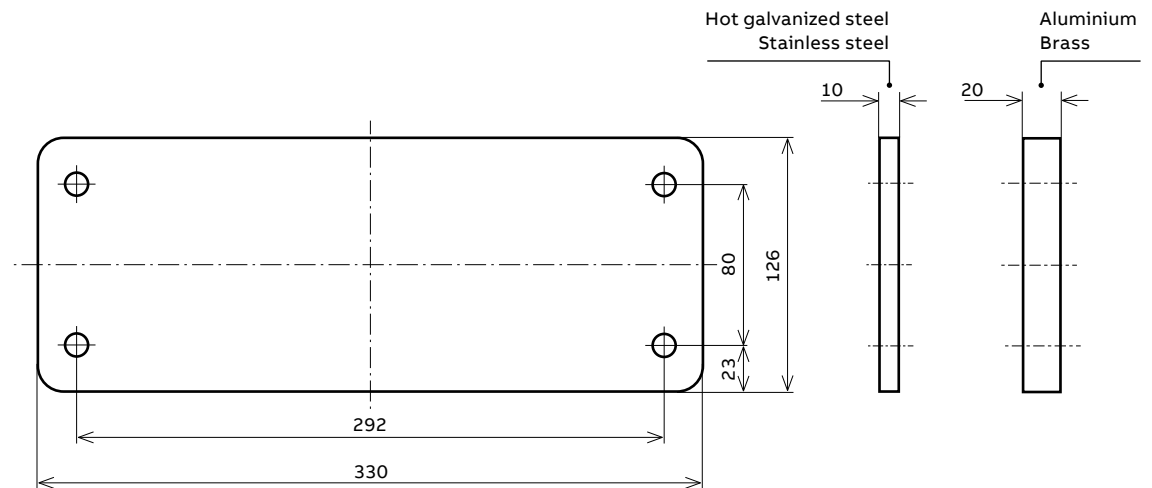


## High voltage terminal boxes

### Dimensions for terminal box inlet, blind flange

As standard, main terminal boxes are supplied with a blind flange.

04 Blind flange FL 33  
for terminal box.





# Auxiliary terminal boxes

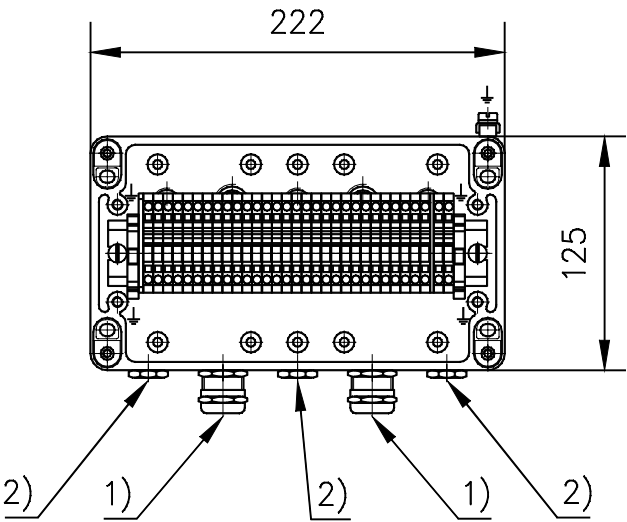
As standard, motors in safe areas are equipped with one common auxiliary terminal box for monitoring devices and space heaters. As standard, motors in hazardous areas are equipped with two auxiliary terminal boxes, one for monitoring devices and one for space heaters.

Standard auxiliary terminal boxes

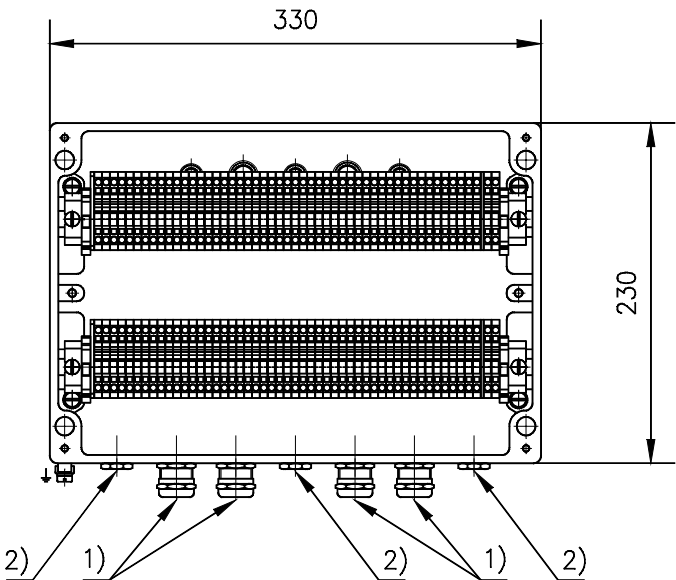
| Type designation   | Use                          | Size (H x D x W) mm |
|--------------------|------------------------------|---------------------|
| Small terminal box | Standard                     | 125 x 81 x 222      |
| Large terminal box | When additional space needed | 230 x 180 x 330     |

Typical arrangements for standard terminal boxes are shown below. The number of terminal blocks depends on the number of accessories used with the motor. Additional terminals can be supplied on request.

05 Small terminal box with terminal blocks and cable glands.  
1) Cable gland M20x1.5 for cable outer diameter 10 to 14 mm (2 pcs)  
2) Threaded hole for cable gland M16x1.5 (3 pcs), plugged.



06 Large terminal box with terminal blocks and cable glands.  
1) Cable gland M20x1.5 for cable outer diameter 10 to 14 mm (4 pcs)  
2) Threaded hole for cable gland M16x1.5 (3 pcs), plugged.



# Bearings

## Horizontal motors

Horizontal motors in frame sizes 315 to 500 have deep groove ball bearings at both ends. The HXR 560, AMI 560 to 630 and NMK 560 to 710 frame sizes have a double bearing arrangement (a deep groove ball bearing and cylindrical roller bearing) at the D-end and a cylindrical roller bearing at the N-end (only horizontal motor available).

The bearing at the D-end is axially locked in horizontal motors. Standard bearings for

horizontal motors are listed in the table below and the bearing construction is shown in the figures on page 13.

The standard bearing solution is designed to carry the weight of a typical coupling half and the motor's rotor only. Any additional radial or axial force caused by the driven equipment may require specially constructed bearings.

### Standard bearings for horizontal motors

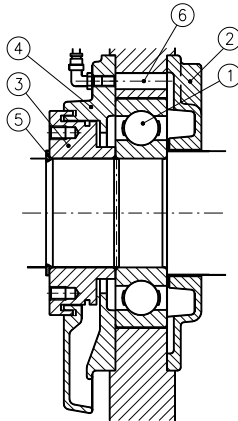
| Frame size | Poles | D-end               | N-end      |
|------------|-------|---------------------|------------|
| AXR 315    | ≥2    | 6317M/C3            | 6317M/C3   |
| AXR 355    | 2     | 6317M/C3            | 6317M/C3   |
| AXR 355    | ≥4    | 6319M/C3            | 6319M/C3   |
| AXR 400    | 2     | 6317M/C3            | 6317M/C3   |
| AXR 400    | ≥4    | 6324/C3             | 6319M/C3   |
| AXR 450    | 2     | 6319M/C3            | 6319M/C3   |
| AXR 450    | ≥4    | 6324/C3             | 6324/C3    |
| AXR 500    | 2     | Sleeve *)           |            |
| AXR 500    | ≥4    | 6330M/C3            | 6330M/C3   |
| HXR 560    | ≥4    | 6034/C3 + NU1034/C3 | NU322/C3   |
| HXR 560    | 2     | Sleeve *)           | Sleeve *)  |
| AMI 400    | 2     | 6319M/C3            | 6319M/C3   |
| AMI 400    | ≥4    | 6324/C3             | 6319/C3    |
| AMI 450    | 2     | 6319M/C3            | 6319M/C3   |
| AMI 450    | ≥4    | 6326/C3             | 6322/C3    |
| AMI 500    | 2     | Sleeve *)           | Sleeve *)  |
| AMI 500    | ≥4    | 6330/C3             | 6324/C3    |
| AMI 560    | 2     | Sleeve *)           | Sleeve *)  |
| AMI 560    | 4     | 6034/C3 + NU1034/C3 | NU1034/C3  |
| AMI 560    | ≥6    | 6038/C3 + NU1038/C3 | NU1038/C3  |
| AMI 630    | 2     | Sleeve *)           | Sleeve *)  |
| AMI 630    | 4     | 6038/C3 + NU1038/C3 | NU1044/C3  |
| AMI 630    | ≥6    | 6044/C3 + NU1044/C3 | NU1044/C3  |
| NMK 400    | ≥4    | 6324/C3             | 6228/C3    |
| NMK 450    | ≥4    | 6326/C3             | 6228/C3    |
| NMK 500    | ≥4    | 6330/C3             | 6330/C3    |
| NMK 560    | ≥4    | 6038M/C3+NU1038M/C3 | NU1038M/C3 |
| NMK 630    | ≥4    | 6044M/C3+NU1044M/C3 | NU1044M/C3 |
| NMK 710    | 4     | Sleeve *)           | Sleeve *)  |
| NMK 710    | ≥6    | 6048M/C3+NU1048M/C3 | NU1048M/C3 |

\*) See section on sleeve bearings

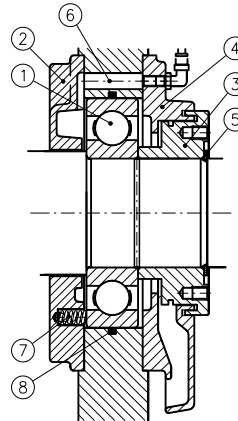
# Bearings

## Standard bearing construction for horizontally mounted motors, frame sizes AXR 315 to 500

- 07  
1 Groove ball bearing  
2 Inner bearing cover  
3 Grease valve  
4 Outer bearing cover  
5 Circlip  
6 Hexagon screw  
7 Spring  
8 O-ring



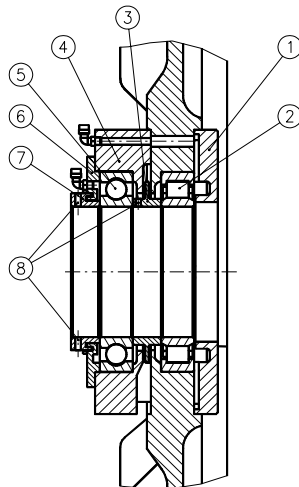
D-end, axially locked



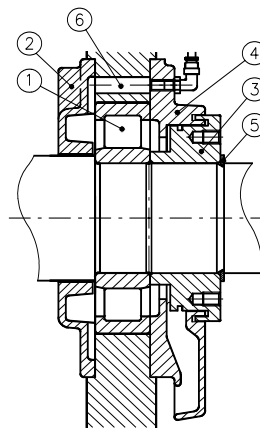
N-end, axially free

## Standard bearing construction for horizontally mounted motors HXR 560

- 08  
1 Inner bearing cover  
2 Cylindrical roller bearing  
3 Grease valve  
4 Outer bearing cover  
5 Deep groove ball bearing  
6 Outer bearing cover lid  
7 Labyrinth seal  
8 Grub screw



D-end, axially locked

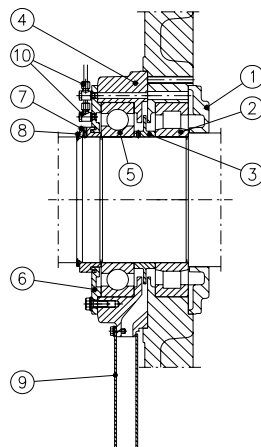


N-end, axially free

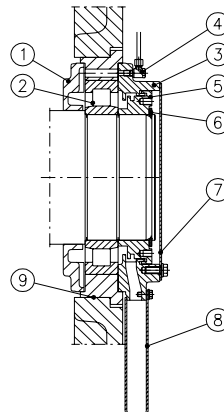
- 09  
1 Cylindrical roller bearing  
2 Inner bearing cover  
3 Grease valve  
4 Outer bearing cover  
5 Circlip  
6 Hexagon screw

## Standard bearing construction for horizontally mounted motors, AMI 560 to 630 and NMK 560 to 710

- 10  
1 Inner bearing cover  
2 Cylindrical roller bearing  
3 Grease valve  
4 Outer bearing cover  
5 Deep groove ball bearing  
6 Outer bearing cover  
7 Labyrinth seal  
8 Retaining ring  
9 Waste grease box  
10 Grease adapter



D-end



N-end

- 11  
1 Inner bearing cover  
2 Cylindrical roller bearing  
3 Outer bearing cover  
4 Grease adapter  
5 Grease valve and labyrinth seal  
6 Retaining ring  
7 Cover plate  
8 Waste grease box  
9 Insulation

# Bearings

## Rated lifetime

Most standard bearings have a rated lifetime L10h in excess of 100,000 h. The rated lifetime for frame size 500, 2-pole, may be less than 100,000 h. The lifetimes are calculated in accordance with ISO R 281-1.

The basic rated lifetime L10h is the number of hours at rated bearing load and speed that 90% of a group of identical bearings will complete or exceed before the first evidence of failure.

## Lubrication intervals

The motors are fitted with grease nipple(s) at both ends for lubricating the bearings. The grease nipples are located on the top of the motor. The amount of grease and the greasing interval are stamped on the relubrication plate, and the same information is shown in the table below.

### Relubrication intervals and grease amount for AXR motors

| Bearing type | Amount of grease (g) | Lubrication intervals in running hours at different speeds (rpm) |                    |      |      |      |      |      |      |      |       |
|--------------|----------------------|------------------------------------------------------------------|--------------------|------|------|------|------|------|------|------|-------|
|              |                      | 3600                                                             | 3000               | 1800 | 1500 | 1200 | 1000 | 900  | 750  | 600  | ≤ 500 |
| 6317         | 35                   | 2200                                                             | 3000               | 8000 | 8800 | 8800 | 8800 | 8800 | 8800 | 8800 | 8800  |
| 6319         | 45                   | 1500 <sup>1)</sup>                                               | 2500 <sup>1)</sup> | 6600 | 8800 | 8800 | 8800 | 8800 | 8800 | 8800 | 8800  |
| 6324         | 75                   | NA                                                               | NA                 | 4400 | 5900 | 8000 | 8800 | 8800 | 8800 | 8800 | 8800  |
| 6330         | 100                  | NA                                                               | NA                 | 3000 | 3600 | 5900 | 8000 | 8800 | 8800 | 8800 | 8800  |

<sup>1)</sup> Use synthetic grease only

### Relubrication intervals and grease amount for HXR motors

| Bearing type | Amount of grease (g) | Lubrication intervals in running hours at different speeds (rpm) |      |             |             |           |           |
|--------------|----------------------|------------------------------------------------------------------|------|-------------|-------------|-----------|-----------|
|              |                      | 3600                                                             | 3000 | 1800 - 1500 | 1200 - 1000 | 900 - 750 | 600 - 500 |
| 6034         | 55                   |                                                                  |      | 1600        | 3300        | 6600      | 8800      |
| NU1034       | 55                   |                                                                  |      | 1600        | 3300        | 4400      | 8800      |
| NU322        | 60                   |                                                                  |      | 3300        | 4400        | 4400      | 8800      |

Note: Ball bearings on vertical motors should be lubricated twice as frequently as horizontal motors.

The motor type is indicated by the first letter of the bearing type (6).

# Bearings

Relubrication intervals and grease amount for AMI motors

| Bearing type | Amount of grease (g) | Lubrication intervals in running hours at different speeds (rpm) |                    |      |      |      |      |      |      |      |       |
|--------------|----------------------|------------------------------------------------------------------|--------------------|------|------|------|------|------|------|------|-------|
|              |                      | 3600                                                             | 3000               | 1800 | 1500 | 1200 | 1000 | 900  | 750  | 600  | ≤ 500 |
| 6317         | 35                   | 2200                                                             | 3000               | 8000 | 8800 | 8800 | 8800 | 8800 | 8800 | 8800 | 8800  |
| 6319         | 45                   | 1500 <sup>1)</sup>                                               | 2500 <sup>1)</sup> | 6600 | 8800 | 8800 | 8800 | 8800 | 8800 | 8800 | 8800  |
| 6322         | 60                   | NA                                                               | NA                 | 5100 | 6600 | 8800 | 8800 | 8800 | 8800 | 8800 | 8800  |
| 6324         | 75                   | NA                                                               | NA                 | 4400 | 5900 | 8000 | 8800 | 8800 | 8800 | 8800 | 8800  |
| 6326         | 80                   | NA                                                               | NA                 | 3600 | 5100 | 7300 | 8800 | 8800 | 8800 | 8800 | 8800  |
| 6330         | 100                  | NA                                                               | NA                 | 3000 | 3600 | 5900 | 8000 | 8800 | 8800 | 8800 | 8800  |
| _034         | 55                   | NA                                                               | NA                 | 3000 | 5100 | 6600 | 8800 | 8800 | 8800 | 8800 | 8800  |
| 6334         | 130                  | NA                                                               | NA                 | 2200 | 3000 | 5100 | 6600 | 8000 | 8800 | 8800 | 8800  |
| _038         | 70                   | NA                                                               | NA                 | 2200 | 3600 | 5900 | 8000 | 8800 | 8800 | 8800 | 8800  |
| 6338         | 160                  | NA                                                               | NA                 | 1500 | 2200 | 4400 | 5900 | 6600 | 8800 | 8800 | 8800  |
| _044         | 95                   | NA                                                               | NA                 | NA   | NA   | 4400 | 5900 | 7300 | 8800 | 8800 | 8800  |
| 6344         | 200                  | NA                                                               | NA                 | NA   | NA   | 3000 | 4400 | 5100 | 7300 | 8800 | 8800  |
| _048         | 100                  | NA                                                               | NA                 | NA   | NA   | 3600 | 5100 | 6600 | 8000 | 8800 | 8800  |
| 6348         | 240                  | NA                                                               | NA                 | NA   | NA   | 2200 | 3600 | 4400 | 5900 | 8000 | 8800  |

<sup>1)</sup> Use synthetic grease only

Note: The lubrication intervals in the table are based for standard lithium soap based greases with the bearing temperature of 70 °C (158 °F).

Note: External load can cause shorter re-lubrication interval or different type grease.

Note: Re-lubrication intervals are defined based on the roller bearings (NU) in order to make to maintenance work simpler (the shortest relubrication interval is valid).

Relubrication intervals and grease amount for NMK motors

| Bearing type | Amount of grease (g) | Lubrication intervals in running hours at different speeds (rpm) |                    |      |      |      |      |      |      |
|--------------|----------------------|------------------------------------------------------------------|--------------------|------|------|------|------|------|------|
|              |                      | 1800                                                             | 1500               | 1200 | 1000 | 900  | 750  | 600  | ≤500 |
| 6228         | 53                   | 4400                                                             | 3600 <sup>1)</sup> | 8000 | 8000 | 8800 | 8800 | 8800 | 8800 |
| _038         | 70                   | 3000                                                             | 3000               | 5900 | 5000 | 8800 | 8800 | 8800 | 8800 |
| _044         | 96                   | NA                                                               | 3000               | 4400 | 4400 | 7300 | 6600 | 8800 | 8800 |
| _048         | 100                  | NA                                                               | NA                 | NA   | 3000 | 4400 | 5900 | 7300 | 8800 |
| 6324         | 75                   | 3000                                                             | 4400               | 6600 | 8000 | 8800 | 8800 | NA   | NA   |
| 6326         | 80                   | 3000                                                             | 5900               | 8000 | 8800 | 8800 | 8800 | NA   | NA   |
| 6330         | 100                  | 2200                                                             | 3600               | 5100 | 5100 | 8800 | 8800 | NA   | NA   |

<sup>1)</sup> Use synthetic grease only

Note: The lubrication intervals in the table are based for standard lithium soap based greases with the bearing temperature of 70 °C (158 °F).

Note: External load can cause shorter re-lubrication interval or different type grease.

Note: Re-lubrication intervals are defined based on the roller bearings (NU) in order to make to maintenance work simpler (the shortest relubrication interval is valid).

# Bearings

## Sleeve bearings

As standard, the axial float of the rotor is  $\pm 8$  mm from the mechanical center. The running center is located within the float area and therefore operation is also allowed while the motor is uncoupled eg, during test running. As standard, a pointer showing the running center with regard to the end limits is available. Continuous axial forces are not permitted and therefore a limiting type of coupling is needed to ensure the location of the rotor within the axial float range. On request and as an option, when the special axial float is at least  $\pm 3$  mm, the magnetic running center can be adjusted to within  $\pm 2.4$  mm of the mechanical center.

Sleeve bearings are generally self-cooled, oil ring lubricated but some require external flood lubrication. Please see the lubrication table below for standard lubrication requirements based on a maximum 40°C ambient and 50 Hz operation. Consult ABB for ambient temperatures above 40°C, or for self-cooling of bearings where flood lubrication is standard. Units requiring flood lubrication are supplied with provisions only. Refer the oil supply pressure, type of oil, and location of provisions to the factory for review prior to order acceptance.

## Sleeve bearings and lubrication method

| Frame size | Poles    | D-end bearing | N-end bearing | Lubrication method            |
|------------|----------|---------------|---------------|-------------------------------|
| AXR 355    | 2        | EFNLB 9-80    | EFNLQ 9-80    | Self lubrication              |
| AXR 355    | $\geq 4$ | EFNLB 9-90    | EFNLQ 9-90    | Self lubrication              |
| AXR 400    | 2 (50Hz) | EFNLB 9-80    | EFNLQ 9-80    | Self lubrication              |
| AXR 400    | 2 (60Hz) | EMNLB 9s-80   | EMNLB 9s-80   | Self lubrication              |
| AXR 400    | $\geq 4$ | EFNLB 9-100   | EFNLQ 9-100   | Self lubrication              |
| AXR 450    | 2        | EMNLB 9s-80   | EMNLB 9s-80   | Self lubrication              |
| AXR 450    | 4        | EMNLB 9s-90   | EMNLB 9s-90   | Self lubrication              |
| AXR 450    | $\geq 6$ | EMNLB 9s-100  | EMNLB 9s-100  | Self lubrication              |
| AXR 500    | 2        | EMZLB 9s-90   | EMZLB 9s-90   | Oil circulation <sup>1)</sup> |
| AXR 500    | $\geq 4$ | EFNLB 14-125  | EFNLB 11-125  | Self lubrication              |
| HXR 560    | 2        | EFZLB 14-125  | EFZLQ 14-125  | Oil circulation               |
| HXR 560    | 4        | EFZLB 14-125  | EFZLQ 14-125  | Oil circulation <sup>1)</sup> |
| HXR 560    | 6        | EFZLB 14-125  | EFZLQ 14-125  | Self lubrication              |
| HXR 560    | $\geq 8$ | EFZLB 14-140  | EFZLQ 14-140  | Self lubrication              |
| AMI 400    | 2        | FZLB 9-80     | FZLQ 9-80     | Self lubrication              |
| AMI 400    | $\geq 4$ | FZLB 9-100    | FZLQ 9-100    | Self lubrication              |
| AMI 450    | 2        | FZLB 9-80     | FZLQ 9-80     | Self lubrication              |
| AMI 450    | $\geq 4$ | FZLB 11-125   | FZLQ 9-100    | Self lubrication              |
| AMI 500    | 2        | FZLB 9-100    | FZLQ 9-100    | Oil circulation <sup>1)</sup> |
| AMI 500    | 4        | FZLB 14-125   | FZLQ 11-125   | Self lubrication              |
| AMI 500    | $\geq 6$ | FZLB 14-140   | FZLQ 11-125   | Self lubrication              |
| AMI 560    | 2        | MZLB 14-140   | MZLB 14-140   | Oil circulation <sup>1)</sup> |
| AMI 560    | 4        | FNLB 18-160   | FNLQ 18-160   | Self lubrication              |
| AMI 560    | $\geq 6$ | FNLB 14-180   | FNLQ 14-180   | Self lubrication              |
| AMI 630    | 2        | MZLB 14-160   | MZLB 14-160   | Oil circulation <sup>1)</sup> |
| AMI 630    | 4        | FNLB 18-160   | FNLQ 18-160   | Self lubrication              |
| AMI 630    | $\geq 6$ | FNLB 18-200   | FNLQ 18-200   | Self lubrication              |
| NMK560     | 4        | FZLB 14-180   | FZLQ 14-180   | Oil circulation               |
| NMK560     | 6        | FZLB 14-180   | FZLQ 14-180   | Oil circulation <sup>1)</sup> |
| NMK 630    | 4        | FZLB 18-200   | FZLQ 18-200   | Oil circulation               |
| NMK 630    | 6        | FZLB 18-200   | FZLQ 18-200   | Oil circulation <sup>1)</sup> |
| NMK 710    | 4 and 6  | FZLB 18-225   | FZLQ 18-225   | Oil circulation               |

<sup>1)</sup> Self lubrication possible, please contact ABB

# Bearings

## Vertical motors

Vertical motors in frame sizes 315 to 500 have deep groove ball bearing in D-end and single-row angular contact ball bearing in N-end.

The bearing at the D-end is axially free in vertical motors when an angular contact ball bearing is mounted in N-end. Standard bearings for vertical motors are listed in the table below and the bearing construction is shown in the figure below.

The standard bearing solution is designed to carry the weight of a typical coupling half and the motor's rotor only. Any additional radial or axial force caused by the driven equipment may require specially constructed bearings.

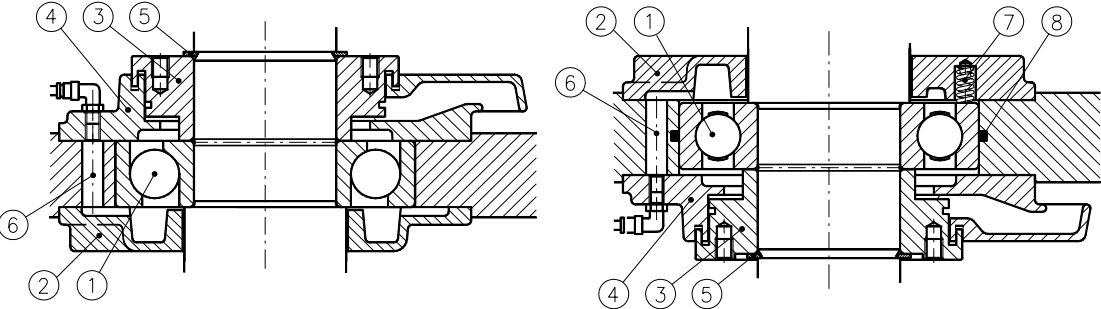
Standard bearings for vertical motors

| Frame size | Poles | D-end    | N-end       |
|------------|-------|----------|-------------|
| AMI 400    | ≥ 4   | 6324/C3  | 7319 BMP    |
| AMi 450    | ≥ 4   | 6326/C3  | 7322 BMP    |
| AMI 500    | ≥ 4   | 6330/C3  | 7324 BMP    |
| AMI 560    | ≥ 4   | 6038/C3  | 1x7330 BCBM |
| AMI 630    | ≥ 6   | 6044/C3  | 1x7334 BCBM |
| AXR 315    | ≥ 2   | 6317M/C3 | 7317 BCBM   |
| AXR 355    | 2     | 6317M/C3 | 7317 BCBM   |
| AXR 355    | ≥ 4   | 6319M/C3 | 7317 BCBM   |
| AXR 400    | ≥ 4   | 6324M/C3 | 7319 BCBM   |
| AXR 450    | ≥ 4   | 6030M/C3 | 7324 BCBM   |
| AXR 500    | ≥ 4   | 6030M/C3 | 7326 BCBM   |

Standard bearing construction of vertically mounted motor, AXR 315 to 500.

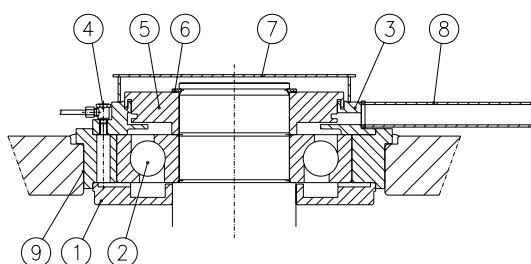
On the left the bearing is "axially locked" angular contact ball bearing and on the right is an axially free deep groove ball bearing.

- 12
- 1 Bearing
- 2 Inner bearing cover
- 3 Grease valve
- 4 Outer bearing cover
- 5 Circlip
- 6 Hexagon screw
- 7 Spring
- 8 O-ring



## Bearings

**Standard bearing construction of vertically mounted motor, AMI 400 to 630.**  
**On the left the bearing is “axially locked” angular contact ball bearing and on the right is an axially free deep groove ball bearing.**



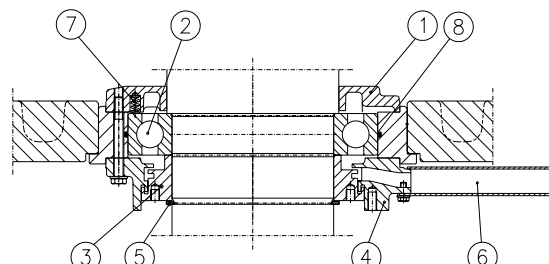
- 13  
 1 Inner bearing cover  
 2 Angular contact ball bearing  
 3 Outer bearing cover  
 4 Grease adapter  
 5 Grease valve and labyrinth seal  
 6 Retaining ring  
 7 Cover plate  
 8 Waste grease box  
 9 Insulation

### Rated lifetime

The bearing rates for all vertical motors with standard bearings have a rated lifetime L10h in excess of 100,000 h. The lifetimes are calculated in accordance with ISO R 281-1.

The basic rated lifetime L10h is the number of hours at rated bearing load and speed that 90% of a group of identical bearings will complete or exceed before the first evidence of failure.

Additional axial force from the driven equipment is not allowed.



- 14  
 1 Inner bearing cover  
 2 Deep groove ball bearing  
 3 Grease valve  
 4 Outer bearing cover  
 5 Retaining ring  
 6 Waste grease box  
 7 Spring  
 8 O-ring

### Lubrication intervals

The motors are fitted with grease nipple(s) at both ends for lubricating the bearings. The grease nipples are located on the top of the motor. The amount of grease and the greasing interval are stamped on the relubrication plate, and the same information is shown in the table on page 14.

## Vibration

### Standard design

The standard motors manufactured according to IEC standard satisfy the Grade A vibration limits specified in IEC 60034-14. The maximum accepted values are shown in the table below.

Standard design unfiltered vibration limits

| Poles | Speed (rpm)     | Bearing housing vibration | Relative shaft vibration | Combined runout |
|-------|-----------------|---------------------------|--------------------------|-----------------|
| 2     | 1800 < n ≤ 3600 | 2.3 mm/s rms              | 65 μm p-p                | 16 μm p-p       |
| ≥ 4   | n ≤ 1800        | 2.3 mm/s rms              | 90 μm p-p                | 23 μm p-p       |



## Rib cooled motors, type AXR and HXR 560

### More know-how per kilogram

The latest generation of multipurpose rib cooled motors offers high power density, easy configurability and built-in serviceability. They incorporate experience ABB has gained over more than 140 years of manufacturing electric motors.

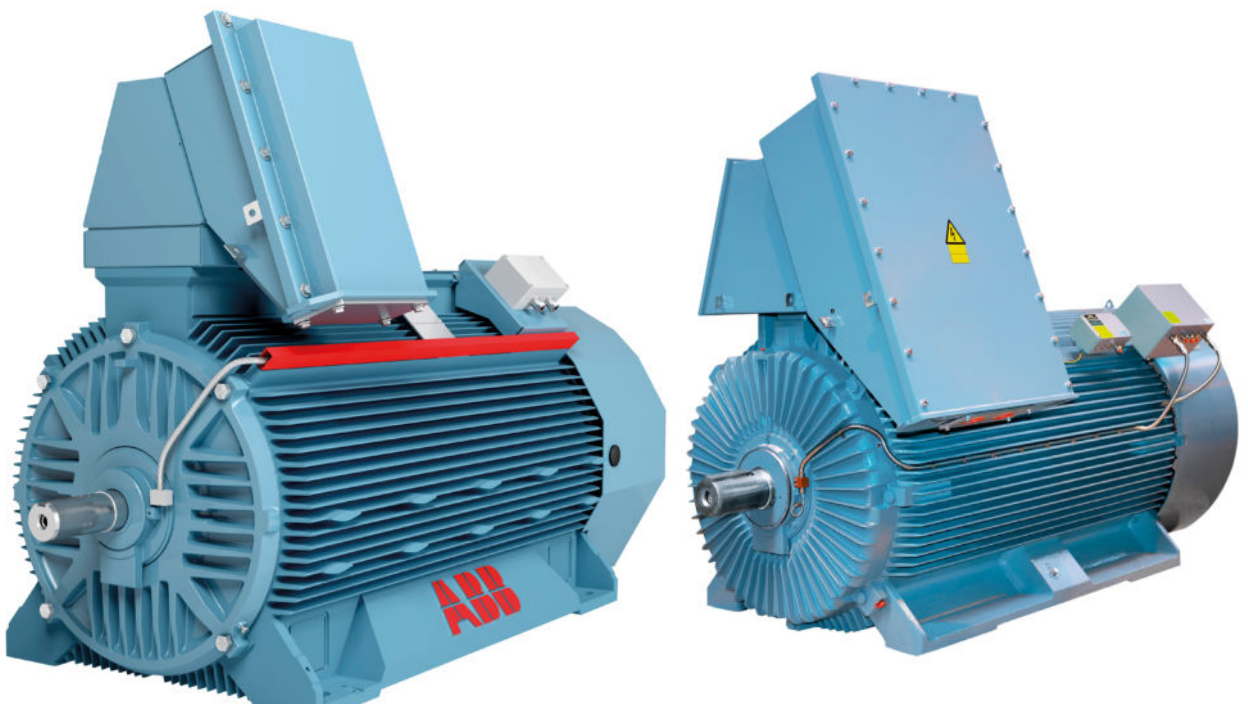
These motors set a benchmark for the industry, offering more watts per kilogram than has ever been achieved before with rib cooled motors. High power density means that for a given output you can often use a motor one frame size smaller than with conventional products. This helps to save space and enables more compact installations.

AXR motors comply with main industry standards such as API 541 and S704 (IOPG) as well as customer specifications.

Rib cooled motors have a rugged cast iron frame. They are rib cooled motors with IC411 cooling and IP55 protection as standard. The motors are also available with IC416 cooling and optional IP66 protection. Their IP66 protection has been verified by a leading independent testing organization.

AXR motors cover the output range up to 1,800 kW, and they are available in shaft heights from 315 to 500 mm. The motors can be mounted horizontally and vertically. For AXR motors this catalog shows the technical data at 50 Hz and 60 Hz, and for synchronous speed from 500 to 3600 rpm.

HXR motors cover the output range up to 2,250 kW, and they are available in shaft height 560. The motors can be mounted horizontally or vertically. For HXR motors this catalog shows the technical data at 50 Hz only, but the motors are operating at both 50 Hz and 60 Hz, with synchronous speed from 500 to 3600 rpm.

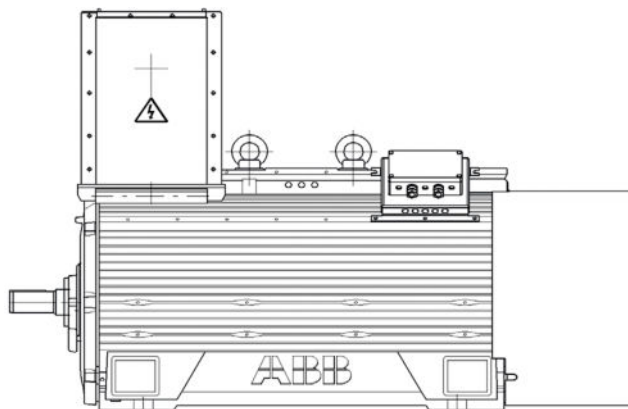


# Rib cooled motors, type AXR and HXR 560

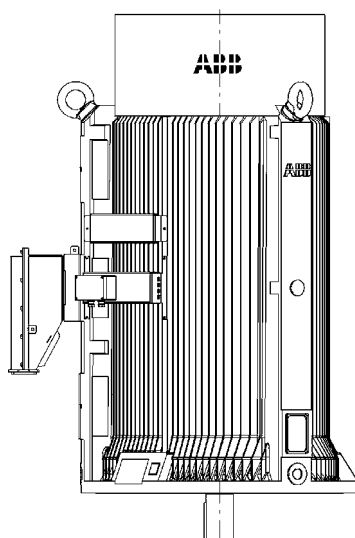
## Mounting arrangements

Standard mounting arrangements for rib cooled motors. Other mountings available on request

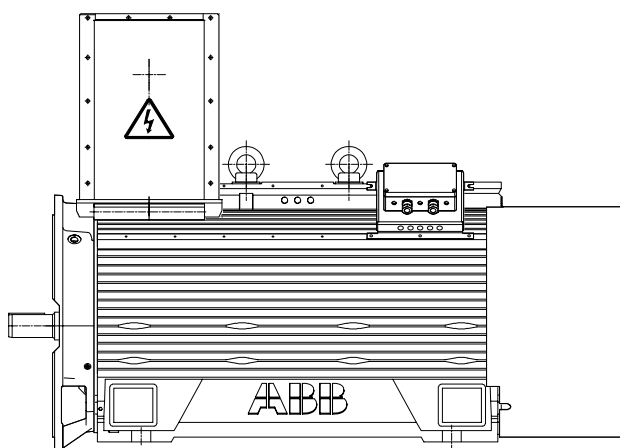
—  
15  
Code I: IM B3  
Code II: IM 1001  
Standard floor  
mounting, feet  
facing downwards  
(horizontal foot  
mounted).



—  
16  
Code I: IM V1  
Code II: IM 4011  
Flange and free shaft  
end facing downwards  
(vertical solid shaft,  
flange mounted).



—  
17  
Standard for AXR only  
Code I: IM B35,  
Code II: IM 2001  
Foot-and-flange-  
mounted horizontal  
with the flange part  
of the end-shield,  
one cylindrical shaft  
extension and feet  
facing downwards.



# Rib cooled motors, type AXR and HXR 560

## Enclosure and cooling

### Standard combinations

#### IC411 / IP55

Rib cooled motors have an external shaft mounted fan that uses the surrounding air for cooling. The motors are protected against dust and water jets. The operating principle of these motors is shown in diagram 17 below.

#### IC416 / IP55

Rib cooled motors are available with IC416 cooling. An additional motor drives the cooling fan to produce the cooling required for low speed applications, especially in cases where the motor is fed via a variable speed drive.

#### Protection rating IP55

- Protection against dust: as in other dust-protected motors, some dust can enter but not in sufficient quantities to interfere with the motor's operation.
- Protection against water jets: water projected by a nozzle against the motor from any direction has no harmful effect.

#### Protection rating IP66

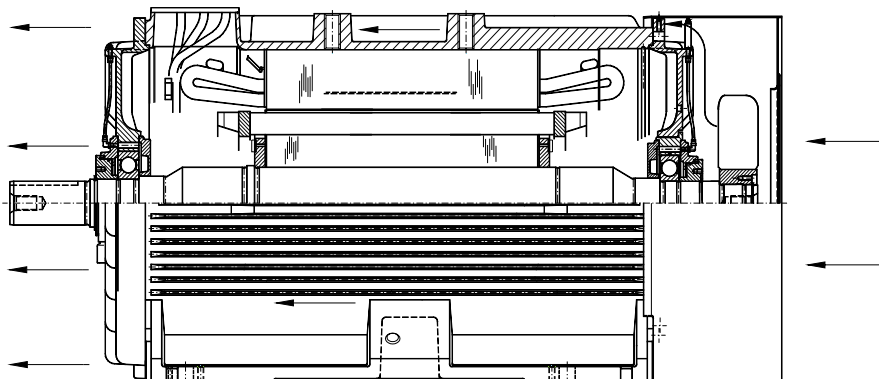
Rib cooled motors are available with protection ratings up to IP66.

- Protection against dust: the enclosure is completely dust tight.
- Protection against water jets: water projected in powerful jets (12.5 mm nozzle) against the enclosure from any direction has no harmful effect.

#### Cooling method (IC411)

- Frame surface cooled:  
The primary coolant is circulated in a closed circuit in the motor and gives its heat through the external surface of the motor (in addition to the heat transfer via the stator core and other heat conducting parts) to the final coolant which is the surrounding medium. The surface may be plain or ribbed, with or without an outer shell to improve the heat transfer.
- Self circulation:  
The coolant is moved dependent on the rotational speed of the main motor either by action of the rotor alone or by means of a component designed for this purpose and mounted directly on the rotor of the main motor, or by a fan or pump unit mechanically driven by the rotor or the main motor.

18 Sectional drawing of IC411 / IP55 motor





# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
690 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|---------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>S</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>S</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                               |
|                      |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 3000 r/min = 2 poles |               |               |                      | 690 V 50 Hz          |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 250                  | AXR 315MB2    | 310126        | 2972                 | 95.8                 | 95.9               | 0.91                 | 0.90               | 240                             | 5.7                                                  | 50                              | 803                              | 0.7                                                  | 2.3                                                    | 1.9                            | 1760                        | 80                                                            |
| 280                  | AXR 315MB2    | 310125        | 2971                 | 95.9                 | 96.0               | 0.89                 | 0.88               | 273                             | 5.5                                                  | 65                              | 900                              | 0.7                                                  | 2.2                                                    | 1.9                            | 1770                        | 80                                                            |
| 315                  | AXR 315MC2    | 310124        | 2968                 | 95.9                 | 96.1               | 0.90                 | 0.90               | 302                             | 5.1                                                  | 57                              | 1013                             | 0.7                                                  | 2.1                                                    | 2.0                            | 1800                        | 80                                                            |
| 355                  | AXR 315MD2    | 310123        | 2971                 | 96.1                 | 96.4               | 0.91                 | 0.90               | 339                             | 5.5                                                  | 67                              | 1141                             | 0.7                                                  | 2.2                                                    | 2.2                            | 1890                        | 80                                                            |
| 390                  | AXR 315ME2    | 310122        | 2972                 | 96.3                 | 96.4               | 0.90                 | 0.89               | 375                             | 5.9                                                  | 86                              | 1253                             | 0.8                                                  | 2.4                                                    | 2.5                            | 1970                        | 80                                                            |
| 415                  | AXR 315ME2    | 310121        | 2981                 | 96.6                 | 96.7               | 0.90                 | 0.90               | 396                             | 5.9                                                  | 84                              | 1329                             | 0.7                                                  | 2.3                                                    | 3.5                            | 2030                        | 80                                                            |
| 450                  | AXR 355MF2    | 350123        | 2970                 | 96.1                 | 96.2               | 0.91                 | 0.90               | 430                             | 6.0                                                  | 88                              | 1447                             | 0.9                                                  | 2.3                                                    | 4.3                            | 2440                        | 80                                                            |
| 500                  | AXR 355MG2    | 350122        | 2967                 | 96.1                 | 96.3               | 0.92                 | 0.92               | 470                             | 6.0                                                  | 81                              | 1609                             | 1.0                                                  | 2.4                                                    | 4.8                            | 2570                        | 80                                                            |
| 550                  | AXR 355MG2    | 350121        | 2982                 | 96.7                 | 96.8               | 0.92                 | 0.92               | 512                             | 6.0                                                  | 81                              | 1761                             | 0.7                                                  | 2.3                                                    | 6.2                            | 2640                        | 80                                                            |
| 560                  | AXR 400ME2    | 400125        | 2974                 | 96.4                 | 96.4               | 0.91                 | 0.90               | 533                             | 5.8                                                  | 101                             | 1798                             | 0.8                                                  | 2.3                                                    | 7.1                            | 3110                        | 81                                                            |
| 630                  | AXR 400MG2    | 400124        | 2973                 | 96.5                 | 96.5               | 0.90                 | 0.90               | 602                             | 5.9                                                  | 119                             | 2023                             | 0.8                                                  | 2.2                                                    | 8.3                            | 3370                        | 81                                                            |
| 710                  | AXR 400MJ2    | 400123        | 2975                 | 96.7                 | 96.7               | 0.91                 | 0.91               | 671                             | 6.0                                                  | 120                             | 2279                             | 0.8                                                  | 2.3                                                    | 8.6                            | 3470                        | 81                                                            |
| 800                  | AXR 400MK2    | 400122        | 2977                 | 96.8                 | 96.9               | 0.92                 | 0.91               | 751                             | 6.3                                                  | 134                             | 2566                             | 0.9                                                  | 2.4                                                    | 9.1                            | 3620                        | 81                                                            |
| 850                  | AXR 400MK2    | 400121        | 2985                 | 97.1                 | 97.2               | 0.91                 | 0.91               | 796                             | 6.1                                                  | 134                             | 2719                             | 0.7                                                  | 2.2                                                    | 11.8                           | 3730                        | 81                                                            |
| 900                  | AXR 450MK2    | 450124        | 2977                 | 96.8                 | 96.8               | 0.90                 | 0.90               | 856                             | 5.4                                                  | 152                             | 2887                             | 0.6                                                  | 2.2                                                    | 15.9                           | 5130                        | 81                                                            |
| 1000                 | AXR 450MM2    | 450123        | 2982                 | 97.0                 | 97.0               | 0.91                 | 0.90               | 946                             | 6.0                                                  | 181                             | 3202                             | 0.5                                                  | 2.4                                                    | 16.7                           | 5350                        | 81                                                            |
| 1070                 | AXR 450MN2    | 450122        | 2982                 | 97.0                 | 97.1               | 0.92                 | 0.91               | 1001                            | 6.1                                                  | 174                             | 3426                             | 0.6                                                  | 2.5                                                    | 16.9                           | 5460                        | 81                                                            |
| 1120                 | AXR 450MN2    | 450121        | 2988                 | 97.3                 | 97.3               | 0.92                 | 0.92               | 1040                            | 6.1                                                  | 172                             | 3579                             | 0.5                                                  | 2.4                                                    | 22.8                           | 5640                        | 81                                                            |
| 1250                 | AXR 500MM2    | 500122        | 2984                 | 97.0                 | 97.0               | 0.94                 | 0.94               | 1146                            | 6.0                                                  | 169                             | 4000                             | 0.6                                                  | 2.4                                                    | 23.4                           | 6650                        | 81                                                            |
| 1280                 | AXR 500MM2    | 500121        | 2987                 | 97.1                 | 97.1               | 0.93                 | 0.94               | 1177                            | 5.8                                                  | 167                             | 4093                             | 0.6                                                  | 2.2                                                    | 32.9                           | 6870                        | 81                                                            |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
690 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 1500 r/min = 4 poles |               |               |                      | 690 V 50 Hz          |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 280                  | AXR 315MC4    | 310145        | 1491                 | 96.2                 | 96.1               | 0.84                 | 0.80               | 289                             | 6.2                                                  | 112                             | 1793                             | 0.7                                                  | 2.4                                                    | 4.6                            | 1880                        | 76                                                                |
| 315                  | AXR 315MC4    | 310144        | 1490                 | 96.2                 | 96.2               | 0.86                 | 0.83               | 320                             | 5.6                                                  | 110                             | 2019                             | 0.7                                                  | 2.1                                                    | 4.7                            | 1900                        | 76                                                                |
| 355                  | AXR 315MC4    | 310143        | 1490                 | 96.2                 | 96.3               | 0.85                 | 0.82               | 362                             | 5.7                                                  | 128                             | 2276                             | 0.7                                                  | 2.2                                                    | 4.8                            | 1910                        | 76                                                                |
| 380                  | AXR 315MD4    | 310142        | 1490                 | 96.3                 | 96.4               | 0.84                 | 0.80               | 392                             | 6.0                                                  | 151                             | 2435                             | 0.7                                                  | 2.3                                                    | 5.0                            | 1950                        | 76                                                                |
| 420                  | AXR 315ME4    | 310141        | 1490                 | 96.5                 | 96.5               | 0.85                 | 0.82               | 427                             | 6.0                                                  | 155                             | 2691                             | 0.7                                                  | 2.3                                                    | 5.6                            | 2040                        | 76                                                                |
| 450                  | AXR 355MF4    | 350143        | 1484                 | 96.1                 | 96.2               | 0.85                 | 0.82               | 460                             | 5.6                                                  | 157                             | 2896                             | 1.0                                                  | 2.2                                                    | 6.3                            | 2430                        | 76                                                                |
| 500                  | AXR 355MH4    | 350142        | 1485                 | 96.2                 | 96.2               | 0.84                 | 0.81               | 516                             | 5.9                                                  | 189                             | 3215                             | 1.1                                                  | 2.3                                                    | 6.8                            | 2530                        | 76                                                                |
| 550                  | AXR 355MH4    | 350141        | 1490                 | 96.5                 | 96.5               | 0.85                 | 0.82               | 560                             | 5.8                                                  | 188                             | 3524                             | 0.8                                                  | 2.1                                                    | 8.8                            | 2620                        | 76                                                                |
| 630                  | AXR 400MF4    | 400144        | 1487                 | 96.2                 | 96.1               | 0.85                 | 0.82               | 648                             | 5.9                                                  | 222                             | 4047                             | 1.0                                                  | 2.2                                                    | 11.6                           | 3180                        | 81                                                                |
| 710                  | AXR 400MH4    | 400143        | 1487                 | 96.3                 | 96.3               | 0.85                 | 0.82               | 727                             | 5.8                                                  | 241                             | 4560                             | 1.0                                                  | 2.1                                                    | 13.3                           | 3420                        | 81                                                                |
| 800                  | AXR 400ML4    | 400142        | 1488                 | 96.4                 | 96.4               | 0.84                 | 0.81               | 828                             | 6.0                                                  | 293                             | 5134                             | 1.0                                                  | 2.1                                                    | 15.0                           | 3640                        | 81                                                                |
| 870                  | AXR 400ML4    | 400141        | 1492                 | 96.7                 | 96.6               | 0.85                 | 0.83               | 888                             | 6.0                                                  | 285                             | 5569                             | 0.9                                                  | 2.0                                                    | 18.8                           | 3760                        | 81                                                                |
| 900                  | AXR 450MJ4    | 450144        | 1488                 | 96.6                 | 96.6               | 0.88                 | 0.87               | 881                             | 5.8                                                  | 244                             | 5776                             | 0.8                                                  | 2.2                                                    | 23.4                           | 4840                        | 81                                                                |
| 1000                 | AXR 450ML4    | 450143        | 1490                 | 96.7                 | 96.7               | 0.87                 | 0.84               | 997                             | 6.0                                                  | 317                             | 6411                             | 0.8                                                  | 2.3                                                    | 25.3                           | 5050                        | 81                                                                |
| 1120                 | AXR 450MM4    | 450142        | 1490                 | 96.8                 | 96.7               | 0.86                 | 0.83               | 1130                            | 6.1                                                  | 383                             | 7179                             | 0.8                                                  | 2.3                                                    | 28.2                           | 5360                        | 81                                                                |
| 1200                 | AXR 450MM4    | 450141        | 1494                 | 97.0                 | 96.9               | 0.86                 | 0.84               | 1202                            | 6.0                                                  | 384                             | 7670                             | 0.6                                                  | 2.2                                                    | 36.3                           | 5550                        | 81                                                                |
| 1250                 | AXR 500MK4    | 500144        | 1489                 | 96.9                 | 96.9               | 0.89                 | 0.88               | 1209                            | 5.4                                                  | 307                             | 8017                             | 0.6                                                  | 2.1                                                    | 33.8                           | 6380                        | 81                                                                |
| 1400                 | AXR 500MM4    | 500143        | 1491                 | 97.0                 | 96.9               | 0.87                 | 0.85               | 1381                            | 6.0                                                  | 430                             | 8969                             | 0.7                                                  | 2.3                                                    | 38.6                           | 6750                        | 81                                                                |
| 1500                 | AXR 500MP4    | 500142        | 1490                 | 97.1                 | 97.1               | 0.90                 | 0.88               | 1442                            | 6.0                                                  | 379                             | 9613                             | 0.7                                                  | 2.3                                                    | 42.3                           | 7110                        | 81                                                                |
| 1600                 | AXR 500MP4    | 500141        | 1494                 | 97.2                 | 97.2               | 0.90                 | 0.89               | 1530                            | 5.7                                                  | 363                             | 10230                            | 0.6                                                  | 2.1                                                    | 58.6                           | 7400                        | 81                                                                |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
690 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|----------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_S$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_S$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                    |
| 1000 r/min = 6 poles |               |               |                      | 690 V 50 Hz          |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                    |
| 250                  | AXR 315MD6    | 310163        | 991                  | 95.9                 | 95.9               | 0.78                 | 0.73               | 279              | 5.2                    | 132              | 2408              | 0.8                    | 2.1                        | 4.8                            | 1910                        | 73                                                 |
| 280                  | AXR 315MD6    | 310162        | 991                  | 95.9                 | 96.1               | 0.79                 | 0.74               | 309              | 5.0                    | 138              | 2698              | 0.8                    | 2.0                        | 5.0                            | 1950                        | 73                                                 |
| 325                  | AXR 315ME6    | 310161        | 992                  | 96.1                 | 96.2               | 0.78                 | 0.73               | 362              | 5.3                    | 170              | 3130              | 0.8                    | 2.1                        | 5.7                            | 2060                        | 73                                                 |
| 400                  | AXR 355MH6    | 350170        | 992                  | 95.0                 | 95.9               | 0.78                 | 0.73               | 446              | 5.6                    | 213              | 3849              | 0.8                    | 2.2                        | 8.6                            | 2600                        | 74                                                 |
| 450                  | AXR 355MH6    | 350161        | 992                  | 96.1                 | 96.1               | 0.80                 | 0.75               | 489              | 5.3                    | 212              | 4332              | 0.8                    | 2.1                        | 9.3                            | 2680                        | 74                                                 |
| 500                  | AXR 400MH6    | 420003        | 991                  | 96.1                 | 96.1               | 0.85                 | 0.82               | 513              | 5.9                    | 182              | 4817              | 0.9                    | 2.2                        | 17.7                           | 3210                        | 74                                                 |
| 560                  | AXR 400MK6    | 420103        | 992                  | 96.2                 | 96.1               | 0.84                 | 0.80               | 582              | 6.3                    | 227              | 5390              | 1.0                    | 2.3                        | 19.8                           | 3390                        | 74                                                 |
| 630                  | AXR 400ML6    | 420102        | 993                  | 96.2                 | 96.1               | 0.82                 | 0.78               | 667              | 6.1                    | 278              | 6060              | 0.9                    | 2.3                        | 23.2                           | 3700                        | 74                                                 |
| 675                  | AXR 400ML6    | 420104        | 995                  | 96.5                 | 96.3               | 0.84                 | 0.80               | 700              | 6.1                    | 265              | 6477              | 0.7                    | 2.1                        | 30.2                           | 3870                        | 74                                                 |
| 710                  | AXR 450MH6    | 450164        | 992                  | 96.5                 | 96.5               | 0.85                 | 0.82               | 721              | 5.9                    | 258              | 6836              | 0.8                    | 2.3                        | 31.5                           | 4670                        | 77                                                 |
| 800                  | AXR 450MK6    | 450163        | 992                  | 96.6                 | 96.6               | 0.86                 | 0.83               | 807              | 5.9                    | 279              | 7701              | 0.8                    | 2.3                        | 35.6                           | 4960                        | 77                                                 |
| 930                  | AXR 450MP6    | 450162        | 992                  | 96.7                 | 96.8               | 0.87                 | 0.85               | 920              | 6.0                    | 286              | 8955              | 0.9                    | 2.2                        | 42.3                           | 5440                        | 77                                                 |
| 1000                 | AXR 450MP6    | 450161        | 995                  | 96.9                 | 97.0               | 0.88                 | 0.86               | 984              | 5.9                    | 277              | 9601              | 0.8                    | 2.0                        | 55.2                           | 5680                        | 77                                                 |
| 1100                 | AXR 500ML6    | 500164        | 992                  | 96.8                 | 96.8               | 0.87                 | 0.84               | 1096             | 5.9                    | 359              | 10589             | 0.8                    | 2.3                        | 51.1                           | 6460                        | 77                                                 |
| 1250                 | AXR 500MP6    | 500163        | 993                  | 96.9                 | 96.9               | 0.86                 | 0.83               | 1251             | 6.1                    | 432              | 12026             | 0.9                    | 2.4                        | 58.3                           | 6920                        | 77                                                 |
| 1400                 | AXR 500MR6    | 500162        | 994                  | 97.0                 | 97.0               | 0.84                 | 0.80               | 1438             | 6.1                    | 563              | 13456             | 0.8                    | 2.4                        | 66.4                           | 7450                        | 77                                                 |
| 1550                 | AXR 500MR6    | 500161        | 996                  | 97.2                 | 97.2               | 0.86                 | 0.83               | 1555             | 6.0                    | 521              | 14866             | 0.6                    | 2.2                        | 87.4                           | 7770                        | 77                                                 |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
690 V, 50 Hz

| Output<br><br>(kW)  | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                   |                                          |                           | Torque                     |                                          |                                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>L <sub>p</sub><br><br>(dB(A)) |
|---------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------|------------------------------------------|---------------------------|----------------------------|------------------------------------------|--------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------|
|                     |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | I <sub>N</sub><br><br>(A) | I <sub>S</sub><br>I <sub>N</sub><br>(pu) | I <sub>0</sub><br><br>(A) | T <sub>N</sub><br><br>(Nm) | T <sub>S</sub><br>T <sub>N</sub><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br>(pu) |                                |                             |                                                             |
| 750 r/min = 8 poles |               |               |                      | 690 V 50 Hz          |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |
| 200                 | AXR 400MC8    | 400189        | 741                  | 94.8                 | 94.7               | 0.80                 | 0.75               | 220                       | 5.6                                      | 101                       | 2578                       | 1.1                                      | 2.4                                        | 13.1                           | 2730                        | 74                                                          |
| 250                 | AXR 400MC8    | 400188        | 738                  | 94.7                 | 95.0               | 0.83                 | 0.80               | 266                       | 4.5                                      | 99                        | 3236                       | 0.8                                      | 1.9                                        | 13.1                           | 2740                        | 74                                                          |
| 280                 | AXR 400MC8    | 400187        | 740                  | 95.0                 | 95.0               | 0.79                 | 0.73               | 313                       | 5.4                                      | 150                       | 3613                       | 1.1                                      | 2.3                                        | 13.1                           | 2740                        | 74                                                          |
| 315                 | AXR 400ME8    | 400186        | 741                  | 95.2                 | 95.1               | 0.79                 | 0.73               | 351                       | 5.8                                      | 169                       | 4060                       | 1.2                                      | 2.5                                        | 15.7                           | 2970                        | 74                                                          |
| 355                 | AXR 400MG8    | 400185        | 741                  | 95.3                 | 95.2               | 0.79                 | 0.73               | 395                       | 5.9                                      | 192                       | 4574                       | 1.2                                      | 2.5                                        | 17.1                           | 3080                        | 74                                                          |
| 400                 | AXR 400MH8    | 400184        | 741                  | 95.4                 | 95.3               | 0.79                 | 0.73               | 445                       | 6.0                                      | 217                       | 5153                       | 1.2                                      | 2.5                                        | 19.0                           | 3250                        | 74                                                          |
| 450                 | AXR 400MK8    | 400183        | 741                  | 95.5                 | 95.5               | 0.80                 | 0.74               | 495                       | 6.1                                      | 236                       | 5796                       | 1.3                                      | 2.5                                        | 21.9                           | 3510                        | 74                                                          |
| 510                 | AXR 400MM8    | 400182        | 742                  | 95.6                 | 95.5               | 0.77                 | 0.71               | 579                       | 6.1                                      | 299                       | 6563                       | 1.2                                      | 2.6                                        | 24.3                           | 3730                        | 74                                                          |
| 570                 | AXR 400MM8    | 400181        | 745                  | 96.0                 | 95.9               | 0.79                 | 0.74               | 625                       | 6.0                                      | 286                       | 7310                       | 1.1                                      | 2.2                                        | 30.2                           | 3860                        | 74                                                          |
| 630                 | AXR 450ML8    | 450183        | 743                  | 96.0                 | 95.9               | 0.81                 | 0.76               | 679                       | 5.8                                      | 299                       | 8099                       | 1.0                                      | 2.3                                        | 38.9                           | 5090                        | 76                                                          |
| 740                 | AXR 450MP8    | 450182        | 743                  | 96.1                 | 96.0               | 0.80                 | 0.74               | 808                       | 6.0                                      | 376                       | 9507                       | 1.1                                      | 2.4                                        | 44.8                           | 5510                        | 76                                                          |
| 820                 | AXR 450MP8    | 450181        | 745                  | 96.5                 | 96.4               | 0.81                 | 0.77               | 873                       | 5.8                                      | 363                       | 10506                      | 0.9                                      | 2.1                                        | 56.7                           | 5730                        | 76                                                          |
| 900                 | AXR 500MM8    | 500184        | 743                  | 96.1                 | 95.9               | 0.80                 | 0.76               | 974                       | 5.6                                      | 425                       | 11560                      | 0.9                                      | 2.2                                        | 54.2                           | 6550                        | 78                                                          |
| 1000                | AXR 500MP8    | 500183        | 743                  | 96.2                 | 96.1               | 0.81                 | 0.77               | 1071                      | 5.5                                      | 449                       | 12845                      | 0.9                                      | 2.2                                        | 61.7                           | 7000                        | 78                                                          |
| 1150                | AXR 500MR8    | 500182        | 744                  | 96.4                 | 96.3               | 0.81                 | 0.77               | 1230                      | 5.4                                      | 517                       | 14764                      | 0.8                                      | 2.2                                        | 69.9                           | 7550                        | 78                                                          |
| 1250                | AXR 500MR8    | 500181        | 746                  | 96.7                 | 96.6               | 0.83                 | 0.80               | 1306                      | 5.2                                      | 478                       | 16004                      | 0.7                                      | 1.9                                        | 90.3                           | 7850                        | 78                                                          |



# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
690 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>S</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>S</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 600 r/min = 10 poles |               |               |                      | 690 V 50 Hz          |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 160                  | AXR 400MC10   | 4001108       | 591                  | 93.7                 | 93.7               | 0.74                 | 0.68               | 194                             | 4.2                                                  | 99                              | 2587                             | 0.8                                                  | 1.9                                                    | 13.0                           | 2740                        | 74                                                                |
| 200                  | AXR 400MD10   | 4001107       | 591                  | 93.8                 | 93.8               | 0.73                 | 0.67               | 245                             | 4.2                                                  | 129                             | 3233                             | 0.9                                                  | 1.9                                                    | 13.8                           | 2800                        | 74                                                                |
| 224                  | AXR 400ME10   | 4001106       | 591                  | 94.0                 | 93.9               | 0.72                 | 0.66               | 275                             | 4.4                                                  | 147                             | 3619                             | 0.9                                                  | 2.0                                                    | 15.1                           | 2920                        | 74                                                                |
| 250                  | AXR 400MF10   | 4001105       | 592                  | 94.1                 | 93.9               | 0.71                 | 0.64               | 314                             | 4.6                                                  | 179                             | 4034                             | 1.0                                                  | 2.1                                                    | 16.7                           | 3060                        | 74                                                                |
| 280                  | AXR 400MH10   | 4001104       | 592                  | 94.3                 | 94.1               | 0.72                 | 0.66               | 345                             | 4.6                                                  | 189                             | 4519                             | 1.0                                                  | 2.1                                                    | 18.9                           | 3250                        | 74                                                                |
| 315                  | AXR 400MK10   | 4001103       | 592                  | 94.4                 | 94.3               | 0.73                 | 0.66               | 385                             | 4.6                                                  | 208                             | 5083                             | 1.0                                                  | 2.0                                                    | 21.3                           | 3470                        | 74                                                                |
| 355                  | AXR 400MM10   | 4001102       | 592                  | 94.5                 | 94.4               | 0.73                 | 0.66               | 433                             | 4.7                                                  | 234                             | 5727                             | 1.0                                                  | 2.1                                                    | 24.3                           | 3730                        | 74                                                                |
| 400                  | AXR 400MM10   | 4001101       | 595                  | 95.1                 | 95.0               | 0.74                 | 0.69               | 475                             | 4.4                                                  | 232                             | 6422                             | 0.8                                                  | 1.8                                                    | 30.6                           | 3870                        | 74                                                                |
| 450                  | AXR 450MK10   | 4501104       | 593                  | 95.6                 | 95.6               | 0.75                 | 0.69               | 527                             | 4.5                                                  | 263                             | 7244                             | 0.9                                                  | 1.9                                                    | 35.6                           | 4860                        | 75                                                                |
| 530                  | AXR 450MM10   | 4501103       | 593                  | 95.7                 | 95.8               | 0.75                 | 0.70               | 614                             | 4.5                                                  | 297                             | 8533                             | 0.9                                                  | 1.9                                                    | 40.3                           | 5190                        | 75                                                                |
| 580                  | AXR 450MP10   | 4501102       | 594                  | 95.8                 | 95.7               | 0.73                 | 0.67               | 690                             | 4.9                                                  | 367                             | 9326                             | 1.0                                                  | 2.1                                                    | 45.0                           | 5500                        | 75                                                                |
| 640                  | AXR 450MP10   | 4501101       | 596                  | 96.2                 | 96.1               | 0.75                 | 0.70               | 742                             | 4.7                                                  | 363                             | 10256                            | 0.8                                                  | 1.9                                                    | 56.9                           | 5720                        | 75                                                                |
| 710                  | AXR 500MM10   | 5001105       | 594                  | 95.9                 | 95.9               | 0.76                 | 0.70               | 820                             | 4.7                                                  | 399                             | 11422                            | 0.9                                                  | 2.0                                                    | 54.6                           | 6520                        | 75                                                                |
| 800                  | AXR 500MN10   | 5001104       | 593                  | 96.0                 | 96.0               | 0.76                 | 0.71               | 915                             | 4.6                                                  | 432                             | 12874                            | 0.9                                                  | 1.9                                                    | 59.7                           | 6820                        | 75                                                                |
| 870                  | AXR 500MQ10   | 5001103       | 593                  | 96.0                 | 96.1               | 0.77                 | 0.72               | 988                             | 4.7                                                  | 460                             | 13999                            | 0.9                                                  | 1.9                                                    | 66.8                           | 7230                        | 75                                                                |
| 940                  | AXR 500MR10   | 5001102       | 594                  | 96.1                 | 96.1               | 0.76                 | 0.70               | 1081                            | 4.9                                                  | 529                             | 15115                            | 0.9                                                  | 2.0                                                    | 72.6                           | 7570                        | 75                                                                |
| 1050                 | AXR 500MR10   | 5001101       | 596                  | 96.6                 | 96.5               | 0.77                 | 0.73               | 1176                            | 4.8                                                  | 532                             | 16823                            | 0.7                                                  | 1.9                                                    | 90.1                           | 7830                        | 75                                                                |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
690 V, 50 Hz

| Output               | Motor type  | Product ID | Speed   | Efficiency |          | Power factor |          | Current |       |       | Torque |       |           | Rotor inertia | Motor weight | Sound pressure level |
|----------------------|-------------|------------|---------|------------|----------|--------------|----------|---------|-------|-------|--------|-------|-----------|---------------|--------------|----------------------|
|                      |             |            |         | Full load  | 3/4 load | Full load    | 3/4 load | $I_N$   | $I_S$ | $I_0$ | $T_N$  | $T_S$ | $T_{max}$ |               |              |                      |
| (kW)                 |             |            | (r/min) | 100%       | 75%      | 100%         | 75%      | (A)     | (pu)  | (A)   | (Nm)   | (pu)  | (pu)      | (kgm²)        | (kg)         | (dB(A))              |
| 500 r/min = 12 poles |             |            |         |            |          |              |          |         |       |       |        |       |           |               |              |                      |
| 690 V 50 Hz          |             |            |         |            |          |              |          |         |       |       |        |       |           |               |              |                      |
| 140                  | AXR 400MD12 | 4001128    | 491     | 92.8       | 92.6     | 0.68         | 0.61     | 185     | 4.0   | 109   | 2724   | 0.9   | 1.9       | 13.1          | 2730         | 74                   |
| 160                  | AXR 400MD12 | 4001127    | 491     | 92.9       | 92.8     | 0.68         | 0.61     | 212     | 4.0   | 126   | 3113   | 1.0   | 1.9       | 13.9          | 2810         | 74                   |
| 180                  | AXR 400ME12 | 4001126    | 491     | 93.1       | 93.0     | 0.68         | 0.61     | 237     | 4.0   | 139   | 3502   | 1.0   | 1.9       | 15.2          | 2920         | 74                   |
| 200                  | AXR 400MG12 | 4001125    | 491     | 93.3       | 93.1     | 0.68         | 0.61     | 265     | 4.1   | 158   | 3889   | 1.0   | 2.0       | 16.6          | 3050         | 74                   |
| 224                  | AXR 400MH12 | 4001124    | 492     | 93.5       | 93.2     | 0.67         | 0.59     | 300     | 4.3   | 185   | 4350   | 1.1   | 2.1       | 19.0          | 3260         | 74                   |
| 250                  | AXR 400MK12 | 4001123    | 492     | 93.6       | 93.3     | 0.68         | 0.61     | 330     | 4.3   | 198   | 4855   | 1.1   | 2.1       | 21.8          | 3500         | 74                   |
| 280                  | AXR 400MM12 | 4001122    | 492     | 93.7       | 93.4     | 0.67         | 0.60     | 373     | 4.4   | 229   | 5434   | 1.1   | 2.1       | 24.5          | 3740         | 74                   |
| 320                  | AXR 400MM12 | 4001121    | 495     | 94.5       | 94.2     | 0.69         | 0.62     | 412     | 4.3   | 240   | 6170   | 0.8   | 2.0       | 30.6          | 3870         | 74                   |
| 355                  | AXR 450MM12 | 4501123    | 493     | 94.3       | 94.0     | 0.69         | 0.62     | 458     | 4.4   | 270   | 6874   | 0.9   | 2.1       | 40.4          | 5130         | 74                   |
| 410                  | AXR 450MQ12 | 4501122    | 493     | 94.4       | 94.1     | 0.68         | 0.61     | 532     | 4.5   | 318   | 7934   | 1.0   | 2.2       | 47.0          | 5580         | 74                   |
| 460                  | AXR 450MQ12 | 4501121    | 495     | 95.0       | 94.7     | 0.71         | 0.65     | 574     | 4.2   | 310   | 8866   | 0.8   | 1.8       | 57.6          | 5770         | 74                   |
| 500                  | AXR 500ML12 | 5001125    | 494     | 95.0       | 94.8     | 0.70         | 0.64     | 630     | 3.9   | 342   | 9658   | 0.7   | 1.8       | 50.8          | 6370         | 74                   |
| 560                  | AXR 500MP12 | 5001124    | 495     | 94.9       | 94.6     | 0.70         | 0.63     | 710     | 4.2   | 396   | 10812  | 0.8   | 1.9       | 60.1          | 6870         | 74                   |
| 630                  | AXR 500MR12 | 5001123    | 494     | 95.0       | 94.7     | 0.71         | 0.65     | 784     | 4.2   | 422   | 12167  | 0.8   | 1.8       | 68.4          | 7360         | 74                   |
| 670                  | AXR 500MS12 | 5001122    | 495     | 95.0       | 94.6     | 0.68         | 0.61     | 863     | 4.5   | 505   | 12924  | 0.9   | 2.0       | 74.1          | 7690         | 74                   |
| 750                  | AXR 500MS12 | 5001121    | 497     | 95.6       | 95.2     | 0.69         | 0.63     | 948     | 4.3   | 528   | 14418  | 0.7   | 1.9       | 93.7          | 7980         | 74                   |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                          |                                                        |                                  | Torque                            |                                                        |                                                          | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L</i> <sub>p</sub><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|----------------------------------|--------------------------------------------------------|----------------------------------|-----------------------------------|--------------------------------------------------------|----------------------------------------------------------|--------------------------------|-----------------------------|--------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I</i> <sub>N</sub><br><br>(A) | <i>I</i> <sub>s</sub><br><i>I</i> <sub>N</sub><br>(pu) | <i>I</i> <sub>0</sub><br><br>(A) | <i>T</i> <sub>N</sub><br><br>(Nm) | <i>T</i> <sub>s</sub><br><i>T</i> <sub>N</sub><br>(pu) | <i>T</i> <sub>max</sub><br><i>T</i> <sub>N</sub><br>(pu) |                                |                             |                                                                    |
| 3000 r/min = 2 poles |               |               |                      | 690 V 50 Hz          |                    |                      |                    |                                  |                                                        |                                  |                                   |                                                        |                                                          |                                |                             |                                                                    |
| 125                  | AXR 315MA2    | 310329        | 2972                 | 94.7                 | 94.4               | 0.91                 | 0.90               | 28                               | 5.7                                                    | 6                                | 402                               | 0.7                                                    | 2.4                                                      | 1.7                            | 1670                        | 80                                                                 |
| 160                  | AXR 315MA2    | 310328        | 2968                 | 94.9                 | 94.9               | 0.91                 | 0.91               | 35                               | 5.5                                                    | 7                                | 515                               | 0.7                                                    | 2.3                                                      | 1.7                            | 1670                        | 80                                                                 |
| 200                  | AXR 315MA2    | 310327        | 2965                 | 95.1                 | 95.2               | 0.91                 | 0.91               | 44                               | 5.2                                                    | 8                                | 644                               | 0.7                                                    | 2.1                                                      | 1.7                            | 1680                        | 80                                                                 |
| 250                  | AXR 315MB2    | 310326        | 2968                 | 95.5                 | 95.7               | 0.90                 | 0.89               | 56                               | 5.3                                                    | 12                               | 804                               | 0.7                                                    | 2.2                                                      | 1.8                            | 1710                        | 80                                                                 |
| 280                  | AXR 315MB2    | 310325        | 2969                 | 95.7                 | 95.9               | 0.90                 | 0.89               | 62                               | 5.6                                                    | 14                               | 901                               | 0.7                                                    | 2.3                                                      | 2.0                            | 1760                        | 80                                                                 |
| 315                  | AXR 315MC2    | 310324        | 2970                 | 95.9                 | 96.1               | 0.90                 | 0.89               | 70                               | 5.6                                                    | 15                               | 1013                              | 0.7                                                    | 2.3                                                      | 2.2                            | 1840                        | 80                                                                 |
| 355                  | AXR 315MD2    | 310323        | 2972                 | 96.1                 | 96.3               | 0.90                 | 0.89               | 78                               | 5.8                                                    | 17                               | 1141                              | 0.7                                                    | 2.3                                                      | 2.4                            | 1920                        | 80                                                                 |
| 380                  | AXR 315ME2    | 310322        | 2973                 | 96.2                 | 96.4               | 0.91                 | 0.90               | 84                               | 5.7                                                    | 17                               | 1221                              | 0.7                                                    | 2.3                                                      | 2.7                            | 2000                        | 80                                                                 |
| 400                  | AXR 315ME2    | 310321        | 2981                 | 96.5                 | 96.6               | 0.91                 | 0.90               | 87                               | 5.8                                                    | 16                               | 1281                              | 0.7                                                    | 2.2                                                      | 3.7                            | 2070                        | 80                                                                 |
| 450                  | AXR 355ME2    | 350324        | 2973                 | 96.1                 | 96.2               | 0.91                 | 0.90               | 99                               | 6.0                                                    | 21                               | 1445                              | 0.8                                                    | 2.3                                                      | 4.0                            | 2350                        | 80                                                                 |
| 500                  | AXR 355MF2    | 350323        | 2973                 | 96.2                 | 96.4               | 0.91                 | 0.90               | 109                              | 6.0                                                    | 22                               | 1606                              | 0.8                                                    | 2.4                                                      | 4.3                            | 2440                        | 80                                                                 |
| 530                  | AXR 355MG2    | 350322        | 2974                 | 96.4                 | 96.4               | 0.91                 | 0.90               | 116                              | 6.1                                                    | 24                               | 1702                              | 0.8                                                    | 2.4                                                      | 4.6                            | 2540                        | 80                                                                 |
| 560                  | AXR 355MG2    | 350321        | 2982                 | 96.6                 | 96.7               | 0.91                 | 0.90               | 122                              | 6.0                                                    | 23                               | 1793                              | 0.7                                                    | 2.2                                                      | 6.1                            | 2610                        | 80                                                                 |
| 630                  | AXR 400MF2    | 400325        | 2976                 | 96.5                 | 96.6               | 0.91                 | 0.91               | 137                              | 5.8                                                    | 25                               | 2022                              | 0.8                                                    | 2.3                                                      | 7.5                            | 3200                        | 81                                                                 |
| 710                  | AXR 400MH2    | 400324        | 2978                 | 96.7                 | 96.8               | 0.92                 | 0.92               | 153                              | 6.0                                                    | 25                               | 2277                              | 0.8                                                    | 2.3                                                      | 8.4                            | 3430                        | 81                                                                 |
| 800                  | AXR 400MK2    | 400323        | 2977                 | 96.8                 | 96.9               | 0.92                 | 0.92               | 172                              | 6.1                                                    | 27                               | 2566                              | 0.9                                                    | 2.3                                                      | 9.4                            | 3670                        | 81                                                                 |
| 840                  | AXR 400ML2    | 400322        | 2978                 | 96.9                 | 96.9               | 0.91                 | 0.91               | 182                              | 6.2                                                    | 33                               | 2693                              | 0.8                                                    | 2.3                                                      | 9.8                            | 3750                        | 81                                                                 |
| 900                  | AXR 400ML2    | 400321        | 2986                 | 97.2                 | 97.2               | 0.91                 | 0.91               | 194                              | 6.1                                                    | 33                               | 2878                              | 0.7                                                    | 2.2                                                      | 12.6                           | 3870                        | 81                                                                 |
| 1000                 | AXR 450MM2    | 450323        | 2980                 | 96.9                 | 96.9               | 0.92                 | 0.91               | 216                              | 6.1                                                    | 37                               | 3204                              | 0.7                                                    | 2.5                                                      | 16.7                           | 5300                        | 81                                                                 |
| 1100                 | AXR 450MN2    | 450322        | 2981                 | 97.0                 | 97.0               | 0.91                 | 0.90               | 239                              | 6.3                                                    | 46                               | 3524                              | 0.7                                                    | 2.5                                                      | 18.1                           | 5540                        | 81                                                                 |
| 1130                 | AXR 450MN2    | 450321        | 2986                 | 97.2                 | 97.1               | 0.90                 | 0.90               | 246                              | 6.1                                                    | 45                               | 3614                              | 0.6                                                    | 2.3                                                      | 22.8                           | 5700                        | 81                                                                 |
| 1250                 | AXR 500MN2    | 500323        | 2983                 | 96.9                 | 96.9               | 0.92                 | 0.92               | 267                              | 5.8                                                    | 45                               | 4001                              | 0.6                                                    | 2.2                                                      | 25.3                           | 6740                        | 81                                                                 |
| 1500                 | AXR 500MR2    | 500322        | 2984                 | 97.1                 | 97.1               | 0.92                 | 0.92               | 320                              | 6.0                                                    | 53                               | 4800                              | 0.6                                                    | 2.2                                                      | 30.4                           | 7470                        | 81                                                                 |
| 1550                 | AXR 500MR2    | 500321        | 2987                 | 97.3                 | 97.2               | 0.92                 | 0.92               | 332                              | 5.9                                                    | 53                               | 4955                              | 0.6                                                    | 2.1                                                      | 39.2                           | 7690                        | 81                                                                 |

IP55, IC411, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output               | Motor type | Product ID | Speed   | Efficiency   |          | Power factor |          | Current |       |       | Torque |       |           | Rotor inertia | Motor weight | Sound pressure level |
|----------------------|------------|------------|---------|--------------|----------|--------------|----------|---------|-------|-------|--------|-------|-----------|---------------|--------------|----------------------|
|                      |            |            |         | Full load    | 3/4 load | Full load    | 3/4 load | $I_N$   | $I_S$ | $I_0$ | $T_N$  | $T_S$ | $T_{max}$ |               |              |                      |
| (kW)                 |            |            | (r/min) | 100%         | 75%      | 100%         | 75%      | (A)     | (pu)  | (A)   | (Nm)   | (pu)  | (pu)      | (kgm²)        | (kg)         | (dB(A))              |
| 3000 r/min = 2 poles |            |            |         | 3000 V 50 Hz |          |              |          |         |       |       |        |       |           |               |              |                      |
| 1400                 | HXR 560LM2 | 704        | 2989    | 97.4         | 97.2     | 0.92         | 0.90     | 302     | 7.3   | 70    | 4473   | 0.6   | 2.9       | 43.7          | 9830         | 87                   |
| 1600                 | HXR 560LR2 | 705        | 2990    | 97.6         | 97.4     | 0.93         | 0.92     | 341     | 7.3   | 72    | 5111   | 0.6   | 2.9       | 50.7          | 10810        | 87                   |
| 1730                 | HXR 560LS2 | 706        | 2991    | 97.6         | 97.5     | 0.92         | 0.90     | 372     | 7.6   | 84    | 5524   | 0.6   | 3.0       | 55.5          | 11380        | 87                   |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|----------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_s$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_s$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                    |
| 1500 r/min = 4 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                    |
| 125                  | AXR 315MA4    | 310349        | 1481                 | 94.5                 | 94.4               | 0.85                 | 0.82               | 30               | 5.3                    | 11               | 806               | 0.9                    | 2.2                        | 2.8                            | 1650                        | 76                                                 |
| 160                  | AXR 315MA4    | 310348        | 1482                 | 94.9                 | 94.8               | 0.83                 | 0.79               | 39               | 5.7                    | 15               | 1031              | 1.0                    | 2.3                        | 2.8                            | 1650                        | 76                                                 |
| 200                  | AXR 315MA4    | 310347        | 1481                 | 95.0                 | 95.1               | 0.83                 | 0.79               | 49               | 5.7                    | 20               | 1290              | 1.0                    | 2.3                        | 2.8                            | 1660                        | 76                                                 |
| 224                  | AXR 315MB4    | 310346        | 1481                 | 95.2                 | 95.2               | 0.83                 | 0.79               | 54               | 5.7                    | 21               | 1445              | 1.0                    | 2.3                        | 3.0                            | 1700                        | 76                                                 |
| 250                  | AXR 315MB4    | 310345        | 1481                 | 95.4                 | 95.4               | 0.83                 | 0.78               | 61               | 5.8                    | 25               | 1611              | 1.1                    | 2.3                        | 3.2                            | 1750                        | 76                                                 |
| 280                  | AXR 315MC4    | 310344        | 1481                 | 95.4                 | 95.5               | 0.84                 | 0.80               | 67               | 5.8                    | 26               | 1805              | 1.1                    | 2.3                        | 3.6                            | 1800                        | 76                                                 |
| 315                  | AXR 315MD4    | 310343        | 1481                 | 95.6                 | 95.8               | 0.85                 | 0.82               | 75               | 5.9                    | 27               | 2031              | 1.1                    | 2.3                        | 4.0                            | 1900                        | 76                                                 |
| 360                  | AXR 315ME4    | 310342        | 1482                 | 95.8                 | 95.9               | 0.84                 | 0.80               | 86               | 5.9                    | 33               | 2319              | 1.1                    | 2.3                        | 4.5                            | 2000                        | 76                                                 |
| 400                  | AXR 315ME4    | 310341        | 1490                 | 96.2                 | 96.3               | 0.84                 | 0.81               | 95               | 5.7                    | 34               | 2564              | 0.9                    | 2.0                        | 5.7                            | 2060                        | 76                                                 |
| 450                  | AXR 355MF4    | 350343        | 1484                 | 95.9                 | 95.9               | 0.85                 | 0.82               | 106              | 5.7                    | 37               | 2895              | 1.0                    | 2.2                        | 6.4                            | 2430                        | 79                                                 |
| 530                  | AXR 355MH4    | 350342        | 1486                 | 96.1                 | 96.1               | 0.85                 | 0.81               | 125              | 6.1                    | 46               | 3407              | 1.1                    | 2.3                        | 7.4                            | 2610                        | 79                                                 |
| 570                  | AXR 355MH4    | 350341        | 1489                 | 96.3                 | 96.3               | 0.85                 | 0.83               | 133              | 5.9                    | 44               | 3654              | 1.0                    | 2.1                        | 9.4                            | 2700                        | 79                                                 |
| 630                  | AXR 400MG4    | 400344        | 1487                 | 96.3                 | 96.2               | 0.87                 | 0.84               | 145              | 6.0                    | 49               | 4045              | 0.9                    | 2.3                        | 11.9                           | 3260                        | 81                                                 |
| 710                  | AXR 400MJ4    | 400343        | 1487                 | 96.4                 | 96.4               | 0.88                 | 0.85               | 162              | 5.9                    | 50               | 4560              | 0.9                    | 2.3                        | 13.6                           | 3490                        | 81                                                 |
| 800                  | AXR 400MM4    | 400342        | 1487                 | 96.5                 | 96.5               | 0.88                 | 0.86               | 181              | 5.9                    | 54               | 5138              | 0.9                    | 2.2                        | 15.4                           | 3760                        | 81                                                 |
| 900                  | AXR 400MM4    | 400341        | 1492                 | 96.8                 | 96.8               | 0.88                 | 0.87               | 203              | 6.0                    | 53               | 5760              | 0.8                    | 2.0                        | 20.5                           | 3910                        | 81                                                 |
| 1000                 | AXR 450ML4    | 450343        | 1489                 | 96.7                 | 96.6               | 0.87                 | 0.84               | 230              | 5.9                    | 73               | 6412              | 0.8                    | 2.2                        | 26.8                           | 5150                        | 81                                                 |
| 1120                 | AXR 450MP4    | 450342        | 1490                 | 96.8                 | 96.7               | 0.86                 | 0.83               | 260              | 5.9                    | 88               | 7177              | 0.8                    | 2.2                        | 30.1                           | 5500                        | 81                                                 |
| 1200                 | AXR 450MP4    | 450341        | 1494                 | 97.0                 | 96.8               | 0.86                 | 0.84               | 275              | 6.0                    | 85               | 7672              | 0.7                    | 2.1                        | 38.5                           | 5710                        | 81                                                 |
| 1250                 | AXR 500MK4    | 500345        | 1490                 | 96.9                 | 96.8               | 0.88                 | 0.85               | 284              | 5.9                    | 88               | 8010              | 0.7                    | 2.3                        | 34.4                           | 6340                        | 81                                                 |
| 1400                 | AXR 500MN4    | 500344        | 1490                 | 97.0                 | 96.9               | 0.88                 | 0.86               | 314              | 5.9                    | 91               | 8972              | 0.7                    | 2.3                        | 39.1                           | 6750                        | 81                                                 |
| 1500                 | AXR 500MP4    | 500343        | 1491                 | 97.0                 | 97.0               | 0.88                 | 0.85               | 340              | 5.9                    | 103              | 9609              | 0.7                    | 2.2                        | 42.9                           | 7070                        | 81                                                 |
| 1650                 | AXR 500MR4    | 500342        | 1491                 | 97.1                 | 97.0               | 0.87                 | 0.85               | 375              | 6.1                    | 120              | 10565             | 0.7                    | 2.3                        | 47.3                           | 7440                        | 81                                                 |
| 1750                 | AXR 500MR4    | 500341        | 1495                 | 97.2                 | 97.1               | 0.88                 | 0.86               | 393              | 6.2                    | 114              | 11182             | 0.6                    | 2.2                        | 63.0                           | 7730                        | 81                                                 |

IP55, IC411, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency               |                        | Power factor             |                        | Current          |                            |                  | Torque            |                            |                                | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><br>$L_p$<br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|--------------------------|------------------------|--------------------------|------------------------|------------------|----------------------------|------------------|-------------------|----------------------------|--------------------------------|--------------------------------|-----------------------------|--------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br><br>100% | 3/4<br>load<br><br>75% | Full<br>load<br><br>100% | 3/4<br>load<br><br>75% | $I_N$<br><br>(A) | $I_S$<br>$I_N$<br><br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_S$<br>$T_N$<br><br>(pu) | $T_{max}$<br>$T_N$<br><br>(pu) |                                |                             |                                                        |
|                      |               |               |                      |                          |                        |                          |                        |                  |                            |                  |                   |                            |                                |                                |                             |                                                        |
| 1500 r/min = 4 poles |               |               |                      | 3000 V 50 Hz             |                        |                          |                        |                  |                            |                  |                   |                            |                                |                                |                             |                                                        |
| 1600                 | HXR 560LK4    | 627           | 1494                 | 97.7                     | 97.7                   | 0.90                     | 0.88                   | 351              | 6.7                        | 95               | 10229             | 0.7                        | 2.4                            | 85.4                           | 9380                        | 82                                                     |
| 1800                 | HXR 560LP4    | 628           | 1495                 | 97.8                     | 97.7                   | 0.89                     | 0.87                   | 399              | 6.9                        | 119              | 11500             | 0.7                        | 2.5                            | 102.6                          | 10290                       | 82                                                     |
| 2000                 | HXR 560LS4    | 629           | 1495                 | 97.9                     | 97.9                   | 0.89                     | 0.87                   | 440              | 7.1                        | 127              | 12777             | 0.7                        | 2.5                            | 121.3                          | 11300                       | 82                                                     |
| 2240                 | HXR 560LT4    | 630           | 1496                 | 98.0                     | 97.9                   | 0.87                     | 0.85                   | 504              | 7.2                        | 161              | 14298             | 0.7                        | 2.4                            | 132.8                          | 11940                       | 82                                                     |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>$L_p$<br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|----------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_s$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_s$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                    |
| 1000 r/min = 6 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                    |
| 125                  | AXR 315MA6    | 310367        | 986                  | 94.6                 | 94.6               | 0.78                 | 0.73               | 32               | 5.2                    | 16               | 1210              | 1.0                    | 2.3                        | 2.7                            | 1640                        | 73                                                 |
| 160                  | AXR 315MB6    | 310366        | 986                  | 94.8                 | 94.9               | 0.78                 | 0.72               | 42               | 5.2                    | 21               | 1549              | 1.0                    | 2.3                        | 3.0                            | 1690                        | 73                                                 |
| 200                  | AXR 315MC6    | 310365        | 987                  | 95.1                 | 95.2               | 0.77                 | 0.70               | 53               | 5.4                    | 27               | 1935              | 1.1                    | 2.3                        | 3.4                            | 1780                        | 73                                                 |
| 224                  | AXR 315MD6    | 310364        | 987                  | 95.3                 | 95.4               | 0.77                 | 0.71               | 59               | 5.5                    | 30               | 2167              | 1.1                    | 2.3                        | 3.8                            | 1870                        | 73                                                 |
| 250                  | AXR 315ME6    | 310363        | 986                  | 95.2                 | 95.4               | 0.79                 | 0.74               | 64               | 5.2                    | 29               | 2421              | 1.0                    | 2.2                        | 4.1                            | 1930                        | 73                                                 |
| 280                  | AXR 315MF6    | 310362        | 987                  | 95.4                 | 95.6               | 0.78                 | 0.72               | 72               | 5.5                    | 35               | 2709              | 1.1                    | 2.3                        | 4.5                            | 2020                        | 73                                                 |
| 315                  | AXR 315MF6    | 310361        | 992                  | 95.9                 | 96.0               | 0.80                 | 0.75               | 79               | 5.3                    | 35               | 3034              | 0.8                    | 2.0                        | 6.0                            | 2080                        | 73                                                 |
| 355                  | AXR 355MG6    | 350363        | 987                  | 95.3                 | 95.4               | 0.80                 | 0.75               | 89               | 5.3                    | 40               | 3434              | 1.0                    | 2.2                        | 6.9                            | 2500                        | 74                                                 |
| 380                  | AXR 355MH6    | 350362        | 987                  | 95.4                 | 95.5               | 0.80                 | 0.75               | 96               | 5.4                    | 44               | 3675              | 1.0                    | 2.2                        | 7.4                            | 2590                        | 74                                                 |
| 420                  | AXR 355MH6    | 350361        | 991                  | 95.8                 | 95.9               | 0.81                 | 0.78               | 104              | 5.0                    | 40               | 4048              | 0.9                    | 1.8                        | 9.5                            | 2670                        | 74                                                 |
| 450                  | AXR 400MG6    | 420007        | 992                  | 95.9                 | 95.9               | 0.85                 | 0.81               | 107              | 5.9                    | 40               | 4333              | 0.9                    | 2.2                        | 17.7                           | 3180                        | 74                                                 |
| 500                  | AXR 400MJ6    | 420006        | 993                  | 96.0                 | 95.9               | 0.82                 | 0.78               | 122              | 6.0                    | 51               | 4809              | 0.8                    | 2.3                        | 20.2                           | 3400                        | 74                                                 |
| 560                  | AXR 400ML6    | 420009        | 993                  | 96.1                 | 96.0               | 0.83                 | 0.79               | 135              | 6.1                    | 54               | 5387              | 0.8                    | 2.3                        | 22.8                           | 3630                        | 74                                                 |
| 630                  | AXR 400MM6    | 420008        | 994                  | 96.3                 | 96.3               | 0.85                 | 0.83               | 148              | 5.9                    | 48               | 6050              | 0.9                    | 1.9                        | 30.4                           | 3850                        | 74                                                 |
| 710                  | AXR 450MJ6    | 450364        | 992                  | 96.4                 | 96.4               | 0.86                 | 0.82               | 166              | 5.9                    | 59               | 6834              | 0.8                    | 2.3                        | 32.7                           | 4700                        | 77                                                 |
| 800                  | AXR 450ML6    | 450363        | 992                  | 96.5                 | 96.6               | 0.87                 | 0.85               | 183              | 5.9                    | 58               | 7704              | 0.9                    | 2.3                        | 37.8                           | 5050                        | 77                                                 |
| 950                  | AXR 450MP6    | 450362        | 993                  | 96.7                 | 96.7               | 0.85                 | 0.82               | 222              | 6.0                    | 81               | 9138              | 0.8                    | 2.3                        | 43.7                           | 5490                        | 77                                                 |
| 1000                 | AXR 450MP6    | 450361        | 995                  | 96.8                 | 96.8               | 0.86                 | 0.84               | 231              | 5.8                    | 75               | 9599              | 0.8                    | 2.1                        | 55.9                           | 5730                        | 77                                                 |
| 1120                 | AXR 500MM6    | 500364        | 993                  | 96.8                 | 96.8               | 0.83                 | 0.79               | 268              | 5.9                    | 108              | 10766             | 0.8                    | 2.4                        | 51.4                           | 6500                        | 77                                                 |
| 1250                 | AXR 500MP6    | 500363        | 994                  | 96.9                 | 96.9               | 0.83                 | 0.78               | 300              | 6.0                    | 125              | 12012             | 0.8                    | 2.4                        | 58.4                           | 6910                        | 77                                                 |
| 1450                 | AXR 500MS6    | 500362        | 994                  | 97.0                 | 97.0               | 0.83                 | 0.79               | 345              | 6.0                    | 139              | 13933             | 0.8                    | 2.4                        | 69.7                           | 7600                        | 77                                                 |
| 1570                 | AXR 500MS6    | 500361        | 996                  | 97.2                 | 97.2               | 0.85                 | 0.82               | 365              | 6.1                    | 127              | 15053             | 0.7                    | 2.2                        | 92.7                           | 7950                        | 77                                                 |

IP55, IC411, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output               | Motor type | Product ID | Speed   | Efficiency   |          | Power factor |          | Current |       |       | Torque |       |           | Rotor inertia | Motor weight | Sound pressure level $L_p$ |
|----------------------|------------|------------|---------|--------------|----------|--------------|----------|---------|-------|-------|--------|-------|-----------|---------------|--------------|----------------------------|
|                      |            |            |         | Full load    | 3/4 load | Full load    | 3/4 load | $I_N$   | $I_S$ | $I_0$ | $T_N$  | $T_S$ | $T_{max}$ |               |              |                            |
| (kW)                 |            |            | (r/min) | 100%         | 75%      | 100%         | 75%      | (A)     | (pu)  | (A)   | (Nm)   | (pu)  | (pu)      | (kgm²)        | (kg)         | (dB(A))                    |
| 1000 r/min = 6 poles |            |            |         | 3000 V 50 Hz |          |              |          |         |       |       |        |       |           |               |              |                            |
| 1600                 | HXR 560LN6 | 631        | 995     | 97.6         | 97.6     | 0.87         | 0.84     | 363     | 6.5   | 118   | 15348  | 0.8   | 2.3       | 137.2         | 10020        | 81                         |
| 1800                 | HXR 560LR6 | 632        | 996     | 97.7         | 97.7     | 0.87         | 0.84     | 408     | 6.7   | 134   | 17262  | 0.8   | 2.4       | 163.6         | 11010        | 81                         |
| 2000                 | HXR 560LU6 | 633        | 996     | 97.8         | 97.8     | 0.88         | 0.86     | 445     | 6.7   | 133   | 19171  | 0.7   | 2.4       | 200.1         | 12280        | 81                         |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)  | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                   |                                          |                           | Torque                     |                                          |                                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><br>L <sub>p</sub><br>(dB(A)) |
|---------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------|------------------------------------------|---------------------------|----------------------------|------------------------------------------|--------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------|
|                     |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | I <sub>N</sub><br><br>(A) | I <sub>S</sub><br>I <sub>N</sub><br>(pu) | I <sub>0</sub><br><br>(A) | T <sub>N</sub><br><br>(Nm) | T <sub>S</sub><br>T <sub>N</sub><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br>(pu) |                                |                             |                                                             |
| 750 r/min = 8 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |
| 200                 | AXR 400MC8    | 400389        | 740                  | 94.4                 | 94.5               | 0.81                 | 0.77               | 50                        | 5.0                                      | 21                        | 2581                       | 0.9                                      | 2.2                                        | 13.0                           | 2720                        | 74                                                          |
| 224                 | AXR 400MB8    | 400388        | 739                  | 94.3                 | 94.6               | 0.83                 | 0.79               | 55                        | 4.7                                      | 21                        | 2896                       | 0.8                                      | 2.0                                        | 13.1                           | 2720                        | 74                                                          |
| 250                 | AXR 400MC8    | 400387        | 740                  | 94.5                 | 94.6               | 0.80                 | 0.75               | 64                        | 5.2                                      | 29                        | 3226                       | 1.0                                      | 2.2                                        | 13.1                           | 2720                        | 74                                                          |
| 280                 | AXR 400MD8    | 400386        | 741                  | 94.8                 | 94.8               | 0.79                 | 0.73               | 72                        | 5.4                                      | 34                        | 3610                       | 1.0                                      | 2.3                                        | 14.4                           | 2840                        | 74                                                          |
| 315                 | AXR 400MF8    | 400385        | 741                  | 95.0                 | 94.9               | 0.79                 | 0.73               | 81                        | 5.7                                      | 40                        | 4058                       | 1.1                                      | 2.5                                        | 16.5                           | 3030                        | 74                                                          |
| 355                 | AXR 400MH8    | 400384        | 741                  | 95.0                 | 95.1               | 0.81                 | 0.76               | 89                        | 5.4                                      | 39                        | 4577                       | 1.0                                      | 2.3                                        | 19.0                           | 3230                        | 74                                                          |
| 400                 | AXR 400MK8    | 400383        | 742                  | 95.2                 | 95.1               | 0.78                 | 0.72               | 104                       | 5.9                                      | 52                        | 5148                       | 1.1                                      | 2.6                                        | 21.6                           | 3470                        | 74                                                          |
| 450                 | AXR 400MM8    | 400382        | 742                  | 95.3                 | 95.2               | 0.78                 | 0.72               | 116                       | 5.8                                      | 58                        | 5791                       | 1.1                                      | 2.5                                        | 24.2                           | 3700                        | 74                                                          |
| 500                 | AXR 400MM8    | 400381        | 745                  | 95.8                 | 95.7               | 0.80                 | 0.75               | 125                       | 5.8                                      | 56                        | 6412                       | 1.0                                      | 2.2                                        | 30.2                           | 3830                        | 74                                                          |
| 560                 | AXR 450MK8    | 450384        | 742                  | 95.9                 | 95.9               | 0.83                 | 0.79               | 136                       | 5.0                                      | 52                        | 7204                       | 0.8                                      | 2.0                                        | 34.9                           | 4810                        | 76                                                          |
| 630                 | AXR 450MM8    | 450383        | 742                  | 96.0                 | 96.1               | 0.83                 | 0.80               | 152                       | 5.0                                      | 56                        | 8104                       | 0.8                                      | 2.0                                        | 39.5                           | 5130                        | 76                                                          |
| 710                 | AXR 450MQ8    | 450382        | 744                  | 96.1                 | 96.0               | 0.81                 | 0.76               | 176                       | 5.8                                      | 77                        | 9117                       | 1.0                                      | 2.3                                        | 44.9                           | 5500                        | 76                                                          |
| 780                 | AXR 450MQ8    | 450381        | 745                  | 96.4                 | 96.3               | 0.83                 | 0.79               | 187                       | 5.7                                      | 73                        | 9991                       | 0.8                                      | 2.2                                        | 57.8                           | 5730                        | 76                                                          |
| 900                 | AXR 500MN8    | 500384        | 744                  | 96.2                 | 96.1               | 0.82                 | 0.77               | 220                       | 5.7                                      | 92                        | 11557                      | 1.0                                      | 2.3                                        | 55.2                           | 6570                        | 78                                                          |
| 1000                | AXR 500MQ8    | 500383        | 743                  | 96.3                 | 96.2               | 0.83                 | 0.79               | 240                       | 5.6                                      | 94                        | 12845                      | 0.9                                      | 2.2                                        | 63.3                           | 7040                        | 78                                                          |
| 1170                | AXR 500MS8    | 500382        | 744                  | 96.4                 | 96.3               | 0.80                 | 0.75               | 292                       | 5.9                                      | 133                       | 15009                      | 1.0                                      | 2.4                                        | 73.5                           | 7670                        | 78                                                          |
| 1280                | AXR 500MS8    | 500381        | 746                  | 96.7                 | 96.5               | 0.83                 | 0.78               | 308                       | 6.1                                      | 126                       | 16384                      | 0.8                                      | 2.3                                        | 93.8                           | 7970                        | 78                                                          |

IP55, IC411, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)  | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current      |                        |              | Torque        |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><br>$L_p$<br>(dB(A)) |
|---------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|--------------|------------------------|--------------|---------------|------------------------|----------------------------|--------------------------------|-----------------------------|----------------------------------------------------|
|                     |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br>(A) | $I_S$<br>$I_N$<br>(pu) | $I_0$<br>(A) | $T_N$<br>(Nm) | $T_S$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                    |
| 750 r/min = 8 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |              |                        |              |               |                        |                            |                                |                             |                                                    |
| 1400                | HXR 560LR8    | 717           | 747                  | 97.2                 | 97.1               | 0.81                 | 0.78               | 341          | 5.7                    | 135          | 17901         | 0.8                    | 2.0                        | 167.0                          | 10950                       | 80                                                 |
| 1600                | HXR 560LU8    | 718           | 747                  | 97.3                 | 97.2               | 0.81                 | 0.78               | 388          | 5.8                    | 153          | 20454         | 0.8                    | 2.0                        | 204.1                          | 12310                       | 80                                                 |



# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br>(kW)       | Motor<br>type | Product<br>ID | Speed<br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                     |                                                      |                             | Torque                       |                                                      |                                                        | Rotor<br>inertia<br>(kgm²) | Motor<br>weight<br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|------------------|----------------------|--------------------|----------------------|--------------------|-----------------------------|------------------------------------------------------|-----------------------------|------------------------------|------------------------------------------------------|--------------------------------------------------------|----------------------------|-------------------------|---------------------------------------------------------------|
|                      |               |               |                  | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br>(A) | <i>T<sub>N</sub></i><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                            |                         |                                                               |
| 600 r/min = 10 poles |               |               |                  |                      |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 3000 V 50 Hz         |               |               |                  |                      |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 160                  | AXR 400MD10   | 4003107       | 591              | 93.2                 | 92.9               | 0.71                 | 0.64               | 47                          | 4.8                                                  | 27                          | 2584                         | 1.1                                                  | 2.2                                                    | 13.2                       | 2710                    | 74                                                            |
| 200                  | AXR 400ME10   | 4003106       | 591              | 93.5                 | 93.3               | 0.71                 | 0.65               | 58                          | 4.8                                                  | 33                          | 3230                         | 1.1                                                  | 2.2                                                    | 15.4                       | 2910                    | 74                                                            |
| 224                  | AXR 400MF10   | 4003105       | 591              | 93.7                 | 93.4               | 0.71                 | 0.64               | 65                          | 4.8                                                  | 37                          | 3617                         | 1.1                                                  | 2.2                                                    | 16.7                       | 3020                    | 74                                                            |
| 250                  | AXR 400MG10   | 4003104       | 592              | 93.8                 | 93.6               | 0.71                 | 0.64               | 72                          | 4.9                                                  | 41                          | 4035                         | 1.1                                                  | 2.2                                                    | 18.7                       | 3190                    | 74                                                            |
| 280                  | AXR 400MK10   | 4003103       | 592              | 94.0                 | 93.7               | 0.71                 | 0.64               | 81                          | 5.1                                                  | 47                          | 4517                         | 1.2                                                  | 2.3                                                    | 21.1                       | 3400                    | 74                                                            |
| 330                  | AXR 400MM10   | 4003102       | 592              | 94.2                 | 93.9               | 0.72                 | 0.65               | 94                          | 5.1                                                  | 54                          | 5324                         | 1.2                                                  | 2.3                                                    | 24.7                       | 3710                    | 74                                                            |
| 370                  | AXR 400MM10   | 4003101       | 595              | 94.8                 | 94.5               | 0.73                 | 0.67               | 103                         | 4.8                                                  | 54                          | 5940                         | 0.9                                                  | 1.9                                                    | 30.3                       | 3840                    | 74                                                            |
| 400                  | AXR 450MH10   | 4503105       | 593              | 95.3                 | 95.4               | 0.75                 | 0.69               | 108                         | 4.5                                                  | 54                          | 6440                         | 0.9                                                  | 1.9                                                    | 32.1                       | 4560                    | 75                                                            |
| 450                  | AXR 450MK10   | 4503104       | 593              | 95.4                 | 95.5               | 0.75                 | 0.70               | 121                         | 4.5                                                  | 60                          | 7244                         | 0.9                                                  | 1.9                                                    | 36.0                       | 4830                    | 75                                                            |
| 500                  | AXR 450MM10   | 4503103       | 594              | 95.6                 | 95.6               | 0.75                 | 0.69               | 134                         | 4.7                                                  | 68                          | 8045                         | 0.9                                                  | 2.0                                                    | 40.7                       | 5160                    | 75                                                            |
| 560                  | AXR 450MP10   | 4503102       | 594              | 95.6                 | 95.5               | 0.73                 | 0.66               | 154                         | 5.0                                                  | 84                          | 9001                         | 1.0                                                  | 2.1                                                    | 45.4                       | 5470                    | 75                                                            |
| 610                  | AXR 450MP10   | 4503101       | 596              | 96.0                 | 95.9               | 0.75                 | 0.69               | 164                         | 4.8                                                  | 83                          | 9772                         | 0.8                                                  | 2.0                                                    | 57.4                       | 5680                    | 75                                                            |
| 710                  | AXR 500MM10   | 5003104       | 594              | 95.8                 | 95.8               | 0.76                 | 0.71               | 187                         | 4.7                                                  | 89                          | 11423                        | 0.9                                                  | 1.9                                                    | 55.8                       | 6520                    | 75                                                            |
| 800                  | AXR 500MQ10   | 5003103       | 594              | 95.9                 | 95.9               | 0.76                 | 0.71               | 210                         | 4.8                                                  | 101                         | 12866                        | 0.9                                                  | 2.0                                                    | 64.9                       | 7030                    | 75                                                            |
| 930                  | AXR 500MS10   | 5003102       | 594              | 96.0                 | 96.0               | 0.76                 | 0.71               | 245                         | 5.0                                                  | 119                         | 14951                        | 0.9                                                  | 2.0                                                    | 76.4                       | 7700                    | 75                                                            |
| 1030                 | AXR 500MS10   | 5003101       | 596              | 96.4                 | 96.4               | 0.77                 | 0.73               | 267                         | 4.6                                                  | 116                         | 16501                        | 0.8                                                  | 1.7                                                    | 94.8                       | 7970                    | 75                                                            |
| 500 r/min = 12 poles |               |               |                  |                      |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 3000 V 50 Hz         |               |               |                  |                      |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 140                  | AXR 400MD12   | 4003127       | 492              | 92.5                 | 92.1               | 0.65                 | 0.57               | 45                          | 4.3                                                  | 29                          | 2717                         | 1.1                                                  | 2.2                                                    | 13.6                       | 2760                    | 74                                                            |
| 160                  | AXR 400ME12   | 4003126       | 492              | 92.7                 | 92.4               | 0.66                 | 0.59               | 50                          | 4.2                                                  | 31                          | 3107                         | 1.0                                                  | 2.1                                                    | 15.0                       | 2880                    | 74                                                            |
| 180                  | AXR 400MF12   | 4003125       | 492              | 92.9                 | 92.7               | 0.67                 | 0.60               | 55                          | 4.2                                                  | 34                          | 3496                         | 1.0                                                  | 2.1                                                    | 16.6                       | 3020                    | 74                                                            |
| 200                  | AXR 400MH12   | 4003124       | 492              | 93.1                 | 92.9               | 0.68                 | 0.60               | 61                          | 4.3                                                  | 37                          | 3883                         | 1.0                                                  | 2.1                                                    | 18.8                       | 3210                    | 74                                                            |
| 224                  | AXR 400MK12   | 4003123       | 492              | 93.3                 | 93.0               | 0.68                 | 0.60               | 68                          | 4.4                                                  | 41                          | 4347                         | 1.1                                                  | 2.1                                                    | 21.5                       | 3440                    | 74                                                            |
| 260                  | AXR 400MM12   | 4003122       | 492              | 93.4                 | 93.1               | 0.67                 | 0.60               | 80                          | 4.5                                                  | 49                          | 5043                         | 1.1                                                  | 2.2                                                    | 24.5                       | 3700                    | 74                                                            |
| 300                  | AXR 400MM12   | 4003121       | 495              | 94.3                 | 94.0               | 0.69                 | 0.62               | 89                          | 4.4                                                  | 51                          | 5783                         | 0.8                                                  | 2.0                                                    | 30.6                       | 3840                    | 74                                                            |
| 315                  | AXR 450ML12   | 4503124       | 493              | 94.1                 | 93.8               | 0.70                 | 0.63               | 92                          | 4.3                                                  | 53                          | 6102                         | 0.9                                                  | 2.1                                                    | 38.2                       | 4950                    | 74                                                            |
| 355                  | AXR 450MN12   | 4503123       | 493              | 94.2                 | 94.0               | 0.71                 | 0.65               | 101                         | 4.2                                                  | 55                          | 6882                         | 0.8                                                  | 2.0                                                    | 42.6                       | 5250                    | 74                                                            |
| 390                  | AXR 450MQ12   | 4503122       | 493              | 94.3                 | 94.1               | 0.72                 | 0.66               | 111                         | 4.2                                                  | 59                          | 7561                         | 0.8                                                  | 1.9                                                    | 47.0                       | 5550                    | 74                                                            |
| 430                  | AXR 450MQ12   | 4503121       | 496              | 94.8                 | 94.4               | 0.70                 | 0.64               | 124                         | 4.4                                                  | 69                          | 8285                         | 0.9                                                  | 1.9                                                    | 57.6                       | 5710                    | 74                                                            |
| 450                  | AXR 500MK12   | 5003126       | 494              | 94.6                 | 94.5               | 0.72                 | 0.67               | 127                         | 3.8                                                  | 65                          | 8703                         | 0.7                                                  | 1.7                                                    | 48.1                       | 6110                    | 74                                                            |
| 500                  | AXR 500MM12   | 5003125       | 494              | 94.7                 | 94.4               | 0.71                 | 0.65               | 144                         | 4.1                                                  | 78                          | 9658                         | 0.8                                                  | 1.8                                                    | 55.7                       | 6540                    | 74                                                            |
| 560                  | AXR 500MP12   | 5003124       | 494              | 94.8                 | 94.6               | 0.72                 | 0.67               | 157                         | 3.9                                                  | 79                          | 10825                        | 0.7                                                  | 1.7                                                    | 62.0                       | 6910                    | 74                                                            |
| 620                  | AXR 500MR12   | 5003123       | 494              | 94.9                 | 94.6               | 0.72                 | 0.67               | 174                         | 4.1                                                  | 89                          | 11977                        | 0.7                                                  | 1.8                                                    | 72.2                       | 7490                    | 74                                                            |
| 660                  | AXR 500MS12   | 5003122       | 494              | 94.9                 | 94.6               | 0.72                 | 0.66               | 186                         | 4.1                                                  | 97                          | 12747                        | 0.8                                                  | 1.8                                                    | 76.6                       | 7750                    | 74                                                            |
| 740                  | AXR 500MS12   | 5003121       | 497              | 95.4                 | 95.1               | 0.70                 | 0.64               | 213                         | 4.2                                                  | 116                         | 14226                        | 0.7                                                  | 1.9                                                    | 96.9                       | 8060                    | 74                                                            |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 600 r/min = 10 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 1000                 | HXR 560LN10   | 637           | 597                  | 97.0                 | 97.0               | 0.78                 | 0.73               | 256                             | 5.1                                                  | 115                             | 16006                            | 0.7                                                  | 1.9                                                    | 140.6                          | 9970                        | 78                                                                |
| 1120                 | HXR 560LQ10   | 638           | 597                  | 97.1                 | 97.0               | 0.77                 | 0.72               | 289                             | 5.4                                                  | 135                             | 17921                            | 0.8                                                  | 2.0                                                    | 154.3                          | 10460                       | 78                                                                |
| 1250                 | HXR 560LT10   | 719           | 596                  | 97.1                 | 97.1               | 0.79                 | 0.76               | 312                             | 4.8                                                  | 124                             | 20015                            | 0.7                                                  | 1.8                                                    | 188.7                          | 11690                       | 78                                                                |
| 1350                 | HXR 560LU10   | 720           | 597                  | 97.2                 | 97.0               | 0.75                 | 0.69               | 355                             | 6.1                                                  | 182                             | 21582                            | 1.0                                                  | 2.3                                                    | 209.3                          | 12430                       | 78                                                                |
| 500/r min = 12 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 800                  | HXR 560LN12   | 721           | 496                  | 96.5                 | 96.6               | 0.78                 | 0.74               | 204                             | 4.2                                                  | 87                              | 15414                            | 0.6                                                  | 1.8                                                    | 136.2                          | 9800                        | 76                                                                |
| 900                  | HXR 560LR12   | 722           | 496                  | 96.6                 | 96.7               | 0.78                 | 0.73               | 231                             | 4.6                                                  | 104                             | 17324                            | 0.7                                                  | 1.9                                                    | 167.0                          | 10870                       | 76                                                                |
| 1000                 | HXR 560LT12   | 723           | 497                  | 96.8                 | 96.7               | 0.76                 | 0.70               | 262                             | 5.1                                                  | 131                             | 19231                            | 0.8                                                  | 2.1                                                    | 187.5                          | 11610                       | 76                                                                |
| 1100                 | HXR 560LU12   | 724           | 497                  | 96.9                 | 96.8               | 0.75                 | 0.69               | 291                             | 5.0                                                  | 145                             | 21128                            | 0.8                                                  | 2.0                                                    | 209.2                          | 12360                       | 76                                                                |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>$L_p$<br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|----------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_S$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_S$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                    |
| 3000 r/min = 2 poles |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                    |
| 6000 V 50 Hz         |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                    |
| 160                  | AXR 315MB2    | 310629        | 2974                 | 94.7                 | 94.4               | 0.86                 | 0.82               | 19               | 6.5                    | 6                | 514               | 0.9                    | 2.9                        | 2.1                            | 1720                        | 80                                                 |
| 180                  | AXR 315MB2    | 310628        | 2970                 | 94.7                 | 94.6               | 0.87                 | 0.84               | 21               | 6.0                    | 6                | 579               | 0.9                    | 2.6                        | 2.1                            | 1720                        | 80                                                 |
| 200                  | AXR 315MB2    | 310627        | 2968                 | 94.8                 | 94.8               | 0.88                 | 0.86               | 23               | 5.8                    | 6                | 643               | 0.8                    | 2.4                        | 2.1                            | 1720                        | 80                                                 |
| 224                  | AXR 315MB2    | 310626        | 2971                 | 95.0                 | 95.1               | 0.89                 | 0.87               | 25               | 5.8                    | 7                | 720               | 0.8                    | 2.3                        | 2.0                            | 1720                        | 80                                                 |
| 250                  | AXR 315MC2    | 310625        | 2968                 | 95.3                 | 95.4               | 0.89                 | 0.87               | 28               | 5.8                    | 7                | 804               | 0.9                    | 2.3                        | 2.2                            | 1770                        | 80                                                 |
| 280                  | AXR 315MC2    | 310624        | 2969                 | 95.5                 | 95.6               | 0.89                 | 0.88               | 31               | 5.7                    | 7                | 900               | 0.8                    | 2.2                        | 2.3                            | 1800                        | 80                                                 |
| 315                  | AXR 315MD2    | 310623        | 2971                 | 95.7                 | 95.9               | 0.89                 | 0.88               | 35               | 6.0                    | 8                | 1012              | 0.9                    | 2.3                        | 2.5                            | 1890                        | 80                                                 |
| 355                  | AXR 315ME2    | 310622        | 2975                 | 96.0                 | 96.2               | 0.90                 | 0.88               | 39               | 6.0                    | 9                | 1139              | 0.7                    | 2.3                        | 2.6                            | 1950                        | 80                                                 |
| 370                  | AXR 315ME2    | 310621        | 2983                 | 96.2                 | 96.4               | 0.90                 | 0.89               | 41               | 5.9                    | 9                | 1185              | 0.7                    | 2.2                        | 3.6                            | 2010                        | 80                                                 |
| 400                  | AXR 355ME2    | 350624        | 2970                 | 95.7                 | 95.9               | 0.91                 | 0.90               | 44               | 5.9                    | 9                | 1286              | 0.9                    | 2.3                        | 4.0                            | 2290                        | 80                                                 |
| 450                  | AXR 355MF2    | 350623        | 2971                 | 95.9                 | 96.0               | 0.90                 | 0.89               | 50               | 6.0                    | 11               | 1446              | 0.9                    | 2.3                        | 4.5                            | 2420                        | 80                                                 |
| 500                  | AXR 355MG2    | 350622        | 2974                 | 96.1                 | 96.2               | 0.90                 | 0.89               | 55               | 6.0                    | 12               | 1606              | 0.8                    | 2.3                        | 4.7                            | 2510                        | 80                                                 |
| 530                  | AXR 355MG2    | 350621        | 2983                 | 96.5                 | 96.5               | 0.91                 | 0.90               | 58               | 6.1                    | 12               | 1696              | 0.7                    | 2.2                        | 6.1                            | 2590                        | 80                                                 |
| 560                  | AXR 400MF2    | 400625        | 2975                 | 96.3                 | 96.4               | 0.91                 | 0.91               | 61               | 5.8                    | 10               | 1797              | 0.8                    | 2.2                        | 7.5                            | 3170                        | 81                                                 |
| 630                  | AXR 400MG2    | 400624        | 2977                 | 96.5                 | 96.6               | 0.92                 | 0.92               | 68               | 5.9                    | 11               | 2021              | 0.8                    | 2.3                        | 7.9                            | 3280                        | 81                                                 |
| 700                  | AXR 400MJ2    | 400623        | 2979                 | 96.6                 | 96.7               | 0.92                 | 0.91               | 76               | 6.0                    | 13               | 2244              | 0.8                    | 2.3                        | 8.9                            | 3500                        | 81                                                 |
| 770                  | AXR 400ML2    | 400622        | 2978                 | 96.7                 | 96.8               | 0.92                 | 0.92               | 83               | 6.1                    | 13               | 2469              | 0.9                    | 2.3                        | 9.6                            | 3680                        | 81                                                 |
| 800                  | AXR 400ML2    | 400621        | 2984                 | 96.9                 | 97.0               | 0.92                 | 0.93               | 85               | 6.0                    | 13               | 2560              | 0.7                    | 2.2                        | 12.7                           | 3810                        | 81                                                 |
| 900                  | AXR 450MK2    | 450624        | 2980                 | 96.7                 | 96.8               | 0.91                 | 0.91               | 98               | 5.9                    | 18               | 2884              | 0.6                    | 2.4                        | 15.6                           | 5030                        | 81                                                 |
| 1000                 | AXR 450MM2    | 450623        | 2980                 | 96.8                 | 96.9               | 0.90                 | 0.90               | 110              | 5.9                    | 20               | 3204              | 0.6                    | 2.4                        | 17.5                           | 5330                        | 81                                                 |
| 1050                 | AXR 450MN2    | 450622        | 2982                 | 96.9                 | 96.9               | 0.90                 | 0.89               | 115              | 6.5                    | 23               | 3362              | 0.7                    | 2.6                        | 18.1                           | 5460                        | 81                                                 |
| 1100                 | AXR 450MN2    | 450621        | 2986                 | 97.1                 | 97.1               | 0.90                 | 0.90               | 120              | 6.3                    | 23               | 3517              | 0.6                    | 2.4                        | 22.6                           | 5610                        | 81                                                 |
| 1250                 | AXR 500MP2    | 500623        | 2984                 | 96.9                 | 96.8               | 0.92                 | 0.92               | 134              | 5.9                    | 23               | 4000              | 0.6                    | 2.3                        | 26.9                           | 6880                        | 81                                                 |
| 1450                 | AXR 500MR2    | 500622        | 2985                 | 97.1                 | 97.0               | 0.92                 | 0.92               | 155              | 6.1                    | 27               | 4639              | 0.6                    | 2.3                        | 30.1                           | 7370                        | 81                                                 |
| 1500                 | AXR 500MR2    | 500621        | 2988                 | 97.2                 | 97.1               | 0.92                 | 0.92               | 161              | 6.0                    | 27               | 4795              | 0.6                    | 2.1                        | 38.8                           | 7580                        | 81                                                 |

IP55, IC411, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output               | Motor type | Product ID | Speed   | Efficiency   |          | Power factor |          | Current |       |       | Torque |       |           | Rotor inertia | Motor weight | Sound pressure level $L_p$ |
|----------------------|------------|------------|---------|--------------|----------|--------------|----------|---------|-------|-------|--------|-------|-----------|---------------|--------------|----------------------------|
|                      |            |            |         | Full load    | 3/4 load | Full load    | 3/4 load | $I_N$   | $I_S$ | $I_0$ | $T_N$  | $T_S$ | $T_{max}$ |               |              |                            |
| (kW)                 |            |            | (r/min) | 100%         | 75%      | 100%         | 75%      | (A)     | (pu)  | (A)   | (Nm)   | (pu)  | (pu)      | (kgm²)        | (kg)         | (dB(A))                    |
| 3000 r/min = 2 poles |            |            |         | 6000 V 50 Hz |          |              |          |         |       |       |        |       |           |               |              |                            |
| 1250                 | HXR 560LM2 | 707        | 2986    | 97.1         | 97.0     | 0.92         | 0.90     | 135     | 7.4   | 32    | 3997   | 0.6   | 3.0       | 44.4          | 9700         | 87                         |
| 1400                 | HXR 560LN2 | 708        | 2989    | 97.3         | 97.2     | 0.91         | 0.90     | 152     | 7.4   | 36    | 4473   | 0.6   | 2.9       | 46.5          | 10050        | 87                         |
| 1600                 | HXR 560LS2 | 709        | 2991    | 97.5         | 97.3     | 0.90         | 0.89     | 175     | 7.4   | 43    | 5109   | 0.6   | 2.8       | 56.6          | 11260        | 87                         |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>S</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>S</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 1500 r/min = 4 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 160                  | AXR 315MB4    | 310648        | 1483                 | 94.3                 | 94.0               | 0.77                 | 0.70               | 21                              | 6.0                                                  | 11                              | 1030                             | 1.0                                                  | 2.6                                                    | 3.1                            | 1680                        | 76                                                                |
| 200                  | AXR 315MB4    | 310647        | 1484                 | 94.7                 | 94.6               | 0.81                 | 0.76               | 25                              | 6.0                                                  | 11                              | 1287                             | 1.1                                                  | 2.4                                                    | 3.0                            | 1670                        | 76                                                                |
| 224                  | AXR 315MC4    | 310646        | 1483                 | 95.0                 | 95.0               | 0.82                 | 0.78               | 28                              | 5.9                                                  | 12                              | 1443                             | 1.1                                                  | 2.3                                                    | 3.3                            | 1730                        | 76                                                                |
| 250                  | AXR 315MC4    | 310645        | 1484                 | 95.2                 | 95.2               | 0.82                 | 0.77               | 31                              | 5.9                                                  | 13                              | 1609                             | 1.1                                                  | 2.3                                                    | 3.4                            | 1770                        | 76                                                                |
| 280                  | AXR 315MD4    | 310644        | 1483                 | 95.3                 | 95.4               | 0.84                 | 0.80               | 34                              | 5.9                                                  | 13                              | 1803                             | 1.2                                                  | 2.3                                                    | 3.7                            | 1820                        | 76                                                                |
| 315                  | AXR 315ME4    | 310643        | 1484                 | 95.6                 | 95.6               | 0.82                 | 0.77               | 39                              | 5.9                                                  | 16                              | 2026                             | 1.1                                                  | 2.3                                                    | 4.1                            | 1910                        | 76                                                                |
| 340                  | AXR 315ME4    | 310642        | 1486                 | 95.8                 | 95.8               | 0.81                 | 0.76               | 42                              | 6.1                                                  | 19                              | 2185                             | 1.0                                                  | 2.4                                                    | 4.2                            | 1950                        | 76                                                                |
| 370                  | AXR 315ME4    | 310641        | 1490                 | 96.0                 | 96.0               | 0.83                 | 0.79               | 45                              | 6.1                                                  | 18                              | 2371                             | 0.9                                                  | 2.3                                                    | 5.6                            | 2020                        | 76                                                                |
| 400                  | AXR 355MF4    | 350645        | 1485                 | 95.6                 | 95.6               | 0.85                 | 0.82               | 47                              | 6.0                                                  | 17                              | 2572                             | 1.1                                                  | 2.3                                                    | 6.2                            | 2360                        | 79                                                                |
| 450                  | AXR 355MG4    | 350644        | 1486                 | 95.8                 | 95.8               | 0.84                 | 0.80               | 54                              | 6.0                                                  | 20                              | 2892                             | 1.0                                                  | 2.3                                                    | 6.9                            | 2490                        | 79                                                                |
| 480                  | AXR 355MH4    | 350643        | 1486                 | 95.8                 | 95.8               | 0.83                 | 0.79               | 58                              | 6.2                                                  | 24                              | 3084                             | 1.1                                                  | 2.4                                                    | 7.3                            | 2560                        | 79                                                                |
| 530                  | AXR 355MH4    | 350641        | 1490                 | 96.1                 | 96.0               | 0.84                 | 0.81               | 63                              | 6.0                                                  | 23                              | 3396                             | 1.0                                                  | 2.1                                                    | 9.2                            | 2640                        | 79                                                                |
| 560                  | AXR 400MF4    | 400646        | 1487                 | 96.0                 | 96.0               | 0.88                 | 0.87               | 63                              | 5.8                                                  | 18                              | 3597                             | 0.8                                                  | 2.2                                                    | 11.0                           | 3090                        | 81                                                                |
| 630                  | AXR 400MH4    | 400645        | 1488                 | 96.2                 | 96.2               | 0.88                 | 0.85               | 72                              | 6.0                                                  | 22                              | 4043                             | 0.8                                                  | 2.2                                                    | 12.3                           | 3280                        | 81                                                                |
| 710                  | AXR 400MK4    | 400644        | 1488                 | 96.4                 | 96.4               | 0.88                 | 0.86               | 81                              | 5.9                                                  | 24                              | 4557                             | 0.8                                                  | 2.2                                                    | 13.7                           | 3490                        | 81                                                                |
| 780                  | AXR 400ML4    | 400643        | 1489                 | 96.5                 | 96.5               | 0.87                 | 0.85               | 89                              | 5.9                                                  | 27                              | 5004                             | 0.8                                                  | 2.2                                                    | 15.0                           | 3680                        | 81                                                                |
| 850                  | AXR 400ML4    | 400641        | 1493                 | 96.7                 | 96.7               | 0.88                 | 0.86               | 97                              | 5.9                                                  | 28                              | 5438                             | 0.7                                                  | 2.0                                                    | 20.1                           | 3840                        | 81                                                                |
| 900                  | AXR 450MK4    | 450644        | 1489                 | 96.6                 | 96.5               | 0.87                 | 0.85               | 103                             | 5.9                                                  | 31                              | 5771                             | 0.8                                                  | 2.2                                                    | 24.2                           | 4880                        | 81                                                                |
| 1000                 | AXR 450MM4    | 450643        | 1490                 | 96.6                 | 96.5               | 0.85                 | 0.82               | 117                             | 5.9                                                  | 41                              | 6407                             | 0.8                                                  | 2.2                                                    | 27.9                           | 5210                        | 81                                                                |
| 1080                 | AXR 450MN4    | 450642        | 1490                 | 96.6                 | 96.5               | 0.85                 | 0.82               | 127                             | 5.8                                                  | 44                              | 6922                             | 0.8                                                  | 2.1                                                    | 29.9                           | 5410                        | 81                                                                |
| 1170                 | AXR 450MN4    | 450641        | 1494                 | 96.9                 | 96.7               | 0.86                 | 0.83               | 135                             | 6.0                                                  | 44                              | 7479                             | 0.7                                                  | 2.1                                                    | 37.7                           | 5600                        | 81                                                                |
| 1250                 | AXR 500ML4    | 500644        | 1490                 | 96.8                 | 96.8               | 0.88                 | 0.85               | 142                             | 5.9                                                  | 44                              | 8010                             | 0.7                                                  | 2.3                                                    | 34.8                           | 6340                        | 81                                                                |
| 1400                 | AXR 500MN4    | 500643        | 1491                 | 96.9                 | 96.9               | 0.88                 | 0.85               | 159                             | 6.1                                                  | 50                              | 8968                             | 0.7                                                  | 2.3                                                    | 40.7                           | 6810                        | 81                                                                |
| 1600                 | AXR 500MR4    | 500642        | 1492                 | 97.0                 | 97.0               | 0.87                 | 0.84               | 183                             | 6.3                                                  | 62                              | 10243                            | 0.7                                                  | 2.4                                                    | 47.0                           | 7350                        | 81                                                                |
| 1700                 | AXR 500MR4    | 500641        | 1495                 | 97.2                 | 97.0               | 0.88                 | 0.85               | 192                             | 6.3                                                  | 59                              | 10861                            | 0.6                                                  | 2.3                                                    | 62.4                           | 7640                        | 81                                                                |

IP55, IC411, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW) | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><br>$L_p$<br>(dB(A)) |
|--------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|----------------------------------------------------|
|                    |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_S$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_S$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                    |
|                    |               |               |                      | 1500 r/min = 4 poles |                    |                      |                    | 6000 V 50 Hz     |                        |                  |                   |                        |                            |                                |                             |                                                    |
| 1600               | HXR 560LM4    | 645           | 1495                 | 97.7                 | 97.6               | 0.89                 | 0.86               | 178              | 6.9                    | 54               | 10223             | 0.7                    | 2.5                        | 91.2                           | 9640                        | 82                                                 |
| 1800               | HXR 560LR4    | 646           | 1495                 | 97.8                 | 97.7               | 0.89                 | 0.87               | 199              | 6.9                    | 58               | 11499             | 0.7                    | 2.5                        | 116.5                          | 10930                       | 82                                                 |
| 2000               | HXR 560LT4    | 647           | 1496                 | 97.9                 | 97.8               | 0.88                 | 0.86               | 224              | 7.0                    | 68               | 12767             | 0.7                    | 2.3                        | 130.8                          | 11680                       | 82                                                 |



# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_S$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_S$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                |
|                      |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                |
| 1000 r/min = 6 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                |
| 140                  | AXR 315MD6    | 310666        | 989                  | 94.4                 | 94.0               | 0.72                 | 0.63               | 20               | 6.2                    | 12               | 1352              | 1.1                    | 3.1                        | 3.8                            | 1820                        | 73                                             |
| 160                  | AXR 315MD6    | 310665        | 988                  | 94.4                 | 94.3               | 0.75                 | 0.68               | 22               | 6.0                    | 12               | 1547              | 1.1                    | 2.8                        | 3.8                            | 1820                        | 73                                             |
| 180                  | AXR 315MD6    | 310664        | 987                  | 94.5                 | 94.5               | 0.76                 | 0.69               | 24               | 6.0                    | 13               | 1742              | 1.1                    | 2.7                        | 4.0                            | 1860                        | 73                                             |
| 200                  | AXR 315ME6    | 310663        | 987                  | 94.7                 | 94.7               | 0.76                 | 0.69               | 27               | 6.1                    | 14               | 1936              | 1.2                    | 2.8                        | 4.2                            | 1900                        | 73                                             |
| 240                  | AXR 315ME6    | 310662        | 988                  | 95.0                 | 95.1               | 0.77                 | 0.71               | 32               | 5.7                    | 16               | 2320              | 1.1                    | 2.4                        | 4.3                            | 1940                        | 73                                             |
| 265                  | AXR 315ME6    | 310661        | 992                  | 95.4                 | 95.5               | 0.79                 | 0.73               | 34               | 5.5                    | 16               | 2550              | 0.9                    | 2.2                        | 5.7                            | 2000                        | 73                                             |
| 280                  | AXR 355MF6    | 350664        | 988                  | 94.9                 | 94.9               | 0.80                 | 0.74               | 36               | 5.5                    | 17               | 2707              | 1.0                    | 2.3                        | 6.3                            | 2340                        | 74                                             |
| 315                  | AXR 355MH6    | 350663        | 989                  | 95.1                 | 95.1               | 0.79                 | 0.73               | 40               | 5.7                    | 19               | 3043              | 1.1                    | 2.4                        | 7.0                            | 2490                        | 74                                             |
| 350                  | AXR 355MH6    | 350662        | 989                  | 95.2                 | 95.2               | 0.79                 | 0.73               | 45               | 5.8                    | 22               | 3381              | 1.1                    | 2.4                        | 7.3                            | 2550                        | 74                                             |
| 380                  | AXR 355MH6    | 350661        | 992                  | 95.5                 | 95.5               | 0.80                 | 0.76               | 48               | 5.4                    | 20               | 3659              | 1.0                    | 2.0                        | 9.4                            | 2630                        | 74                                             |
| 400                  | AXR 400MG6    | 420019        | 991                  | 95.6                 | 95.4               | 0.79                 | 0.74               | 51               | 5.9                    | 24               | 3855              | 1.0                    | 2.4                        | 11.6                           | 3120                        | 74                                             |
| 450                  | AXR 400MH6    | 420018        | 990                  | 95.7                 | 95.6               | 0.82                 | 0.77               | 55               | 5.9                    | 24               | 4339              | 1.0                    | 2.4                        | 13.0                           | 3310                        | 74                                             |
| 500                  | AXR 400MK6    | 420016        | 990                  | 95.8                 | 95.7               | 0.82                 | 0.78               | 61               | 5.9                    | 26               | 4821              | 1.0                    | 2.3                        | 14.4                           | 3500                        | 74                                             |
| 540                  | AXR 400MM6    | 420015        | 991                  | 95.9                 | 95.7               | 0.82                 | 0.77               | 66               | 6.1                    | 28               | 5205              | 1.0                    | 2.4                        | 15.9                           | 3710                        | 74                                             |
| 600                  | AXR 400MM6    | 420108        | 995                  | 96.2                 | 95.8               | 0.77                 | 0.70               | 78               | 6.3                    | 40               | 5757              | 0.8                    | 2.5                        | 20.1                           | 3840                        | 74                                             |
| 630                  | AXR 450MH6    | 450665        | 992                  | 96.2                 | 96.2               | 0.85                 | 0.82               | 74               | 6.0                    | 27               | 6064              | 0.8                    | 2.3                        | 30.2                           | 4480                        | 77                                             |
| 710                  | AXR 450MK6    | 450664        | 992                  | 96.3                 | 96.3               | 0.86                 | 0.82               | 83               | 6.0                    | 30               | 6832              | 0.8                    | 2.3                        | 34.7                           | 4800                        | 77                                             |
| 800                  | AXR 450MM6    | 450663        | 993                  | 96.5                 | 96.4               | 0.85                 | 0.81               | 94               | 6.0                    | 35               | 7694              | 0.8                    | 2.4                        | 39.5                           | 5150                        | 77                                             |
| 880                  | AXR 450MP6    | 450662        | 993                  | 96.5                 | 96.5               | 0.85                 | 0.82               | 103              | 6.1                    | 38               | 8463              | 0.8                    | 2.4                        | 43.3                           | 5390                        | 77                                             |
| 950                  | AXR 450MP6    | 450661        | 995                  | 96.7                 | 96.6               | 0.87                 | 0.84               | 109              | 6.1                    | 35               | 9119              | 0.9                    | 2.1                        | 55.6                           | 5630                        | 77                                             |
| 1000                 | AXR 500ML6    | 500665        | 993                  | 96.6                 | 96.5               | 0.84                 | 0.80               | 119              | 6.0                    | 46               | 9617              | 0.8                    | 2.4                        | 51.8                           | 6370                        | 77                                             |
| 1120                 | AXR 500MN6    | 500664        | 993                  | 96.7                 | 96.6               | 0.85                 | 0.81               | 132              | 6.0                    | 49               | 10772             | 0.8                    | 2.3                        | 58.0                           | 6740                        | 77                                             |
| 1250                 | AXR 500MQ6    | 500663        | 993                  | 96.7                 | 96.7               | 0.85                 | 0.81               | 147              | 6.0                    | 55               | 12021             | 0.8                    | 2.3                        | 64.2                           | 7100                        | 77                                             |
| 1350                 | AXR 500MS6    | 500662        | 993                  | 96.8                 | 96.8               | 0.84                 | 0.80               | 160              | 6.0                    | 62               | 12977             | 0.8                    | 2.4                        | 71.7                           | 7560                        | 77                                             |
| 1500                 | AXR 500MS6    | 500661        | 996                  | 97.1                 | 97.1               | 0.84                 | 0.81               | 176              | 6.0                    | 64               | 14379             | 0.7                    | 2.2                        | 91.9                           | 7870                        | 77                                             |

IP55, IC411, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency   |             | Power factor |             | Current        |                                  |                | Torque         |                                  |                                    | Rotor<br>inertia | Motor<br>weight | Sound<br>pressure<br>level<br><br>L <sub>p</sub><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|--------------|-------------|--------------|-------------|----------------|----------------------------------|----------------|----------------|----------------------------------|------------------------------------|------------------|-----------------|-------------------------------------------------------------|
|                      |               |               |                      | Full<br>load | 3/4<br>load | Full<br>load | 3/4<br>load | I <sub>N</sub> | I <sub>S</sub><br>I <sub>N</sub> | I <sub>0</sub> | T <sub>N</sub> | T <sub>S</sub><br>T <sub>N</sub> | T <sub>max</sub><br>T <sub>N</sub> |                  |                 |                                                             |
|                      |               |               |                      | 100%         | 75%         | 100%         | 75%         | (A)            | (pu)                             | (A)            | (Nm)           | (pu)                             | (pu)                               |                  |                 |                                                             |
| 1000 r/min = 6 poles |               |               |                      | 6000 V 50 Hz |             |              |             |                |                                  |                |                |                                  |                                    |                  |                 |                                                             |
| 1400                 | HXR 560LM6    | 648           | 996                  | 97.5         | 97.4        | 0.86         | 0.82        | 161            | 6.8                              | 58             | 13423          | 0.8                              | 2.5                                | 129.9            | 9690            | 81                                                          |
| 1600                 | HXR 560LR6    | 649           | 996                  | 97.6         | 97.5        | 0.85         | 0.81        | 186            | 6.9                              | 71             | 15334          | 0.8                              | 2.5                                | 155.4            | 10630           | 81                                                          |
| 1800                 | HXR 560LU6    | 650           | 996                  | 97.7         | 97.7        | 0.87         | 0.85        | 203            | 6.7                              | 66             | 17260          | 0.8                              | 2.4                                | 197.1            | 12110           | 81                                                          |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)  | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current      |                        |              | Torque        |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><br>$L_p$<br>(dB(A)) |
|---------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|--------------|------------------------|--------------|---------------|------------------------|----------------------------|--------------------------------|-----------------------------|----------------------------------------------------|
|                     |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br>(A) | $I_s$<br>$I_N$<br>(pu) | $I_0$<br>(A) | $T_N$<br>(Nm) | $T_s$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                    |
| 750 r/min = 8 poles |               |               |                      |                      |                    |                      |                    |              |                        |              |               |                        |                            |                                |                             |                                                    |
| 6000 V 50 Hz        |               |               |                      |                      |                    |                      |                    |              |                        |              |               |                        |                            |                                |                             |                                                    |
| 180                 | AXR 400MD8    | 400689        | 740                  | 94.0                 | 93.9               | 0.76                 | 0.71               | 24           | 4.3                    | 12           | 2323          | 0.8                    | 1.9                        | 9.7                            | 2800                        | 74                                                 |
| 200                 | AXR 400ME8    | 400688        | 740                  | 94.1                 | 94.1               | 0.76                 | 0.71               | 27           | 4.3                    | 13           | 2582          | 0.8                    | 1.9                        | 10.0                           | 2850                        | 74                                                 |
| 224                 | AXR 400ME8    | 400687        | 739                  | 94.2                 | 94.2               | 0.77                 | 0.72               | 30           | 4.2                    | 14           | 2893          | 0.7                    | 1.8                        | 10.5                           | 2920                        | 74                                                 |
| 250                 | AXR 400MF8    | 400686        | 739                  | 94.3                 | 94.4               | 0.77                 | 0.72               | 33           | 4.1                    | 15           | 3230          | 0.7                    | 1.8                        | 11.0                           | 2990                        | 74                                                 |
| 280                 | AXR 400MH8    | 400685        | 740                  | 94.6                 | 94.6               | 0.77                 | 0.72               | 37           | 4.3                    | 17           | 3615          | 0.8                    | 1.8                        | 12.8                           | 3220                        | 74                                                 |
| 315                 | AXR 400MJ8    | 400684        | 740                  | 94.7                 | 94.7               | 0.77                 | 0.72               | 42           | 4.3                    | 19           | 4067          | 0.8                    | 1.8                        | 13.6                           | 3340                        | 74                                                 |
| 355                 | AXR 400MK8    | 400683        | 740                  | 94.8                 | 94.8               | 0.77                 | 0.72               | 47           | 4.3                    | 21           | 4584          | 0.8                    | 1.8                        | 14.7                           | 3480                        | 74                                                 |
| 390                 | AXR 400ML8    | 400682        | 740                  | 94.9                 | 94.9               | 0.77                 | 0.72               | 52           | 4.4                    | 24           | 5033          | 0.8                    | 1.9                        | 15.9                           | 3640                        | 74                                                 |
| 450                 | AXR 400ML8    | 400681        | 743                  | 95.5                 | 95.5               | 0.79                 | 0.75               | 57           | 4.5                    | 24           | 5782          | 0.7                    | 1.9                        | 19.9                           | 3760                        | 74                                                 |
| 500                 | AXR 450MJ8    | 450684        | 743                  | 95.6                 | 95.5               | 0.81                 | 0.76               | 62           | 5.6                    | 28           | 6428          | 1.0                    | 2.3                        | 33.7                           | 4650                        | 76                                                 |
| 560                 | AXR 450ML8    | 450683        | 743                  | 95.7                 | 95.6               | 0.81                 | 0.76               | 70           | 5.7                    | 31           | 7197          | 1.0                    | 2.4                        | 37.5                           | 4920                        | 76                                                 |
| 650                 | AXR 450MQ8    | 450682        | 744                  | 95.8                 | 95.7               | 0.80                 | 0.74               | 82           | 5.9                    | 38           | 8348          | 1.0                    | 2.4                        | 45.5                           | 5450                        | 76                                                 |
| 750                 | AXR 450MQ8    | 450681        | 746                  | 96.2                 | 95.9               | 0.79                 | 0.73               | 95           | 6.2                    | 47           | 9599          | 0.8                    | 2.5                        | 57.2                           | 5690                        | 76                                                 |
| 800                 | AXR 500ML8    | 500685        | 744                  | 96.0                 | 95.9               | 0.82                 | 0.77               | 98           | 5.7                    | 42           | 10269         | 0.9                    | 2.3                        | 51.5                           | 6310                        | 78                                                 |
| 900                 | AXR 500MP8    | 500684        | 744                  | 96.1                 | 95.9               | 0.80                 | 0.74               | 113          | 5.9                    | 53           | 11545         | 0.9                    | 2.4                        | 59.3                           | 6750                        | 78                                                 |
| 1000                | AXR 500MR8    | 500683        | 744                  | 96.2                 | 96.0               | 0.80                 | 0.75               | 124          | 5.8                    | 56           | 12828         | 0.9                    | 2.4                        | 67.4                           | 7220                        | 78                                                 |
| 1100                | AXR 500MS8    | 500682        | 745                  | 96.2                 | 96.1               | 0.79                 | 0.73               | 139          | 5.9                    | 67           | 14105         | 0.9                    | 2.4                        | 73.4                           | 7580                        | 78                                                 |
| 1200                | AXR 500MS8    | 500681        | 746                  | 96.5                 | 96.3               | 0.81                 | 0.77               | 147          | 5.9                    | 63           | 15355         | 0.7                    | 2.3                        | 93.1                           | 7880                        | 78                                                 |

IP55, IC411, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output              | Motor type | Product ID | Speed   | Efficiency   |          | Power factor |          | Current |                |       | Torque |                |                    | Rotor inertia | Motor weight | Sound pressure level<br>$L_p$ |
|---------------------|------------|------------|---------|--------------|----------|--------------|----------|---------|----------------|-------|--------|----------------|--------------------|---------------|--------------|-------------------------------|
|                     |            |            |         | Full load    | 3/4 load | Full load    | 3/4 load | $I_N$   | $I_S$<br>$I_N$ | $I_0$ | $T_N$  | $T_S$<br>$T_N$ | $T_{max}$<br>$T_N$ |               |              |                               |
| (kW)                |            |            | (r/min) | 100%         | 75%      | 100%         | 75%      | (A)     | (pu)           | (A)   | (Nm)   | (pu)           | (pu)               | (kgm²)        | (kg)         | (dB(A))                       |
| 750 r/min = 8 poles |            |            |         | 6000 V 50 Hz |          |              |          |         |                |       |        |                |                    |               |              |                               |
| 1250                | HXR 560LP8 | 725        | 747     | 97.1         | 96.9     | 0.80         | 0.76     | 154     | 5.8            | 64    | 15981  | 0.8            | 2.0                | 146.6         | 10160        | 80                            |
| 1400                | HXR 560LT8 | 726        | 747     | 97.2         | 97.1     | 0.82         | 0.78     | 169     | 5.8            | 69    | 17897  | 0.6            | 2.2                | 188.0         | 11570        | 80                            |
| 1500                | HXR 560LU8 | 727        | 747     | 97.2         | 97.0     | 0.80         | 0.75     | 185     | 5.8            | 82    | 19168  | 0.6            | 2.3                | 204.0         | 12180        | 80                            |

# Rib cooled motors, type AXR and HXR 560

## Technical data

—  
IP55, IC411, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 600 r/min = 10 poles |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 6000 V 50 Hz         |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 160                  | AXR 400MF10   | 4006106       | 591                  | 92.9                 | 92.4               | 0.66                 | 0.59               | 25                              | 4.1                                                  | 16                              | 2583                             | 0.8                                                  | 2.1                                                    | 10.6                           | 2940                        | 74                                                                |
| 200                  | AXR 400MF10   | 4006105       | 590                  | 93.1                 | 92.9               | 0.69                 | 0.62               | 30                              | 3.8                                                  | 17                              | 3236                             | 0.8                                                  | 1.9                                                    | 11.6                           | 3080                        | 74                                                                |
| 224                  | AXR 400MH10   | 4006104       | 590                  | 93.3                 | 93.2               | 0.70                 | 0.63               | 33                              | 3.8                                                  | 18                              | 3624                             | 0.8                                                  | 1.8                                                    | 13.0                           | 3270                        | 74                                                                |
| 250                  | AXR 400MJ10   | 4006103       | 591                  | 93.5                 | 93.3               | 0.69                 | 0.62               | 37                              | 3.9                                                  | 21                              | 4041                             | 0.8                                                  | 1.9                                                    | 14.4                           | 3460                        | 74                                                                |
| 280                  | AXR 400MM10   | 4006102       | 591                  | 93.7                 | 93.3               | 0.67                 | 0.60               | 43                              | 4.1                                                  | 26                              | 4521                             | 0.8                                                  | 2.1                                                    | 15.9                           | 3670                        | 74                                                                |
| 315                  | AXR 400MM10   | 4006101       | 595                  | 94.2                 | 93.6               | 0.66                 | 0.58               | 49                              | 4.3                                                  | 31                              | 5054                             | 0.8                                                  | 2.0                                                    | 20.2                           | 3790                        | 74                                                                |
| 315                  | AXR 450MF10   | 4506107       | 593                  | 94.7                 | 94.9               | 0.76                 | 0.71               | 42                              | 4.3                                                  | 20                              | 5075                             | 0.8                                                  | 1.9                                                    | 28.7                           | 4260                        | 75                                                                |
| 355                  | AXR 450MH10   | 4506106       | 593                  | 94.9                 | 95.1               | 0.77                 | 0.72               | 47                              | 4.2                                                  | 21                              | 5721                             | 0.8                                                  | 1.8                                                    | 31.3                           | 4450                        | 75                                                                |
| 400                  | AXR 450MJ10   | 4506105       | 593                  | 95.0                 | 95.2               | 0.77                 | 0.73               | 52                              | 4.2                                                  | 23                              | 6447                             | 0.8                                                  | 1.8                                                    | 34.7                           | 4680                        | 75                                                                |
| 450                  | AXR 450MM10   | 4506104       | 592                  | 95.1                 | 95.4               | 0.78                 | 0.74               | 58                              | 4.1                                                  | 25                              | 7254                             | 0.8                                                  | 1.7                                                    | 39.8                           | 5040                        | 75                                                                |
| 500                  | AXR 450MN10   | 4506103       | 593                  | 95.3                 | 95.4               | 0.77                 | 0.72               | 66                              | 4.5                                                  | 30                              | 8050                             | 0.9                                                  | 1.9                                                    | 43.3                           | 5270                        | 75                                                                |
| 530                  | AXR 450MP10   | 4506102       | 594                  | 95.4                 | 95.3               | 0.72                 | 0.65               | 74                              | 5.2                                                  | 42                              | 8514                             | 1.1                                                  | 2.2                                                    | 45.4                           | 5420                        | 75                                                                |
| 580                  | AXR 450MP10   | 4506101       | 596                  | 95.8                 | 95.7               | 0.74                 | 0.68               | 79                              | 5.0                                                  | 42                              | 9288                             | 0.8                                                  | 2.0                                                    | 57.4                           | 5630                        | 75                                                                |
| 630                  | AXR 500ML10   | 5006105       | 594                  | 95.5                 | 95.5               | 0.76                 | 0.71               | 83                              | 4.7                                                  | 40                              | 10135                            | 0.9                                                  | 1.9                                                    | 52.6                           | 6270                        | 75                                                                |
| 710                  | AXR 500MP10   | 5006104       | 594                  | 95.7                 | 95.6               | 0.76                 | 0.70               | 95                              | 5.0                                                  | 48                              | 11412                            | 0.9                                                  | 2.1                                                    | 61.6                           | 6780                        | 75                                                                |
| 800                  | AXR 500MR10   | 5006103       | 594                  | 95.8                 | 95.7               | 0.76                 | 0.71               | 106                             | 5.0                                                  | 52                              | 12861                            | 0.9                                                  | 2.0                                                    | 68.1                           | 7140                        | 75                                                                |
| 870                  | AXR 500MS10   | 5006102       | 594                  | 95.8                 | 95.8               | 0.76                 | 0.70               | 115                             | 5.1                                                  | 57                              | 13982                            | 1.0                                                  | 2.1                                                    | 75.8                           | 7580                        | 75                                                                |
| 970                  | AXR 500MS10   | 5006101       | 596                  | 96.3                 | 96.2               | 0.78                 | 0.73               | 125                             | 4.9                                                  | 55                              | 15535                            | 0.7                                                  | 1.9                                                    | 94.1                           | 7850                        | 75                                                                |
| 500 r/min = 12 poles |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 6000 V 50 Hz         |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 140                  | AXR 400MF12   | 4006126       | 490                  | 91.4                 | 91.0               | 0.63                 | 0.56               | 23                              | 3.7                                                  | 15                              | 2730                             | 0.9                                                  | 2.0                                                    | 11.8                           | 3050                        | 74                                                                |
| 160                  | AXR 400MH12   | 4006125       | 489                  | 91.7                 | 91.4               | 0.65                 | 0.57               | 26                              | 3.6                                                  | 16                              | 3122                             | 0.8                                                  | 1.9                                                    | 13.3                           | 3240                        | 74                                                                |
| 180                  | AXR 400MK12   | 4006124       | 494                  | 92.3                 | 91.6               | 0.63                 | 0.54               | 30                              | 4.9                                                  | 21                              | 3482                             | 1.3                                                  | 2.6                                                    | 21.5                           | 3390                        | 74                                                                |
| 200                  | AXR 400ML12   | 4006123       | 494                  | 92.5                 | 91.9               | 0.64                 | 0.55               | 33                              | 4.9                                                  | 22                              | 3870                             | 1.3                                                  | 2.5                                                    | 23.1                           | 3530                        | 74                                                                |
| 224                  | AXR 400MM12   | 4006122       | 493                  | 92.6                 | 92.0               | 0.63                 | 0.55               | 37                              | 4.9                                                  | 25                              | 4334                             | 1.3                                                  | 2.5                                                    | 24.2                           | 3630                        | 74                                                                |
| 250                  | AXR 400MM12   | 4006121       | 496                  | 93.3                 | 92.8               | 0.66                 | 0.59               | 39                              | 4.6                                                  | 24                              | 4817                             | 1.0                                                  | 2.0                                                    | 30.1                           | 3760                        | 74                                                                |
| 280                  | AXR 450MK12   | 4506124       | 493                  | 93.7                 | 93.4               | 0.70                 | 0.63               | 41                              | 4.3                                                  | 24                              | 5423                             | 0.9                                                  | 2.1                                                    | 36.0                           | 4740                        | 74                                                                |
| 315                  | AXR 450ML12   | 4506123       | 493                  | 93.8                 | 93.7               | 0.72                 | 0.65               | 45                              | 4.2                                                  | 24                              | 6106                             | 0.8                                                  | 2.0                                                    | 39.9                           | 5010                        | 74                                                                |
| 355                  | AXR 450MP12   | 4506122       | 493                  | 94.0                 | 93.7               | 0.70                 | 0.63               | 52                              | 4.5                                                  | 30                              | 6871                             | 0.9                                                  | 2.1                                                    | 46.5                           | 5460                        | 74                                                                |
| 400                  | AXR 450MP12   | 4506121       | 495                  | 94.5                 | 94.3               | 0.72                 | 0.66               | 57                              | 4.1                                                  | 29                              | 7712                             | 0.8                                                  | 1.8                                                    | 57.1                           | 5650                        | 74                                                                |
| 450                  | AXR 500ML12   | 5006125       | 494                  | 94.5                 | 94.1               | 0.70                 | 0.64               | 65                              | 4.1                                                  | 36                              | 8690                             | 0.7                                                  | 1.8                                                    | 52.5                           | 6320                        | 74                                                                |
| 500                  | AXR 500MN12   | 5006124       | 494                  | 94.6                 | 94.3               | 0.71                 | 0.65               | 72                              | 4.0                                                  | 38                              | 9656                             | 0.7                                                  | 1.8                                                    | 59.4                           | 6720                        | 74                                                                |
| 560                  | AXR 500MR12   | 5006123       | 495                  | 94.7                 | 94.4               | 0.71                 | 0.65               | 80                              | 4.1                                                  | 43                              | 10813                            | 0.7                                                  | 1.8                                                    | 67.0                           | 7170                        | 74                                                                |
| 610                  | AXR 500MS12   | 5006122       | 495                  | 94.7                 | 94.3               | 0.70                 | 0.63               | 89                              | 4.3                                                  | 50                              | 11768                            | 0.8                                                  | 1.9                                                    | 75.3                           | 7640                        | 74                                                                |
| 680                  | AXR 500MS12   | 5006121       | 497                  | 95.2                 | 94.9               | 0.71                 | 0.65               | 97                              | 4.2                                                  | 52                              | 13073                            | 0.7                                                  | 1.8                                                    | 95.3                           | 7930                        | 74                                                                |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output               | Motor type  | Product ID | Speed   | Efficiency   |          | Power factor |          | Current |                |       | Torque |                |                    | Rotor inertia | Motor weight | Sound pressure level $L_p$ |
|----------------------|-------------|------------|---------|--------------|----------|--------------|----------|---------|----------------|-------|--------|----------------|--------------------|---------------|--------------|----------------------------|
|                      |             |            |         | Full load    | 3/4 load | Full load    | 3/4 load | $I_N$   | $I_s$<br>$I_N$ | $I_0$ | $T_N$  | $T_s$<br>$T_N$ | $T_{max}$<br>$T_N$ |               |              |                            |
| (kW)                 |             |            | (r/min) | 100%         | 75%      | 100%         | 75%      | (A)     | (pu)           | (A)   | (Nm)   | (pu)           | (pu)               | (kgm²)        | (kg)         | (dB(A))                    |
| 600 r/min = 10 poles |             |            |         | 6000 V 50 Hz |          |              |          |         |                |       |        |                |                    |               |              |                            |
| 1000                 | HXR 560LQ10 | 728        | 596     | 96.9         | 96.9     | 0.79         | 0.76     | 125     | 4.6            | 49    | 16016  | 0.6            | 1.7                | 154.3         | 10350        | 78                         |
| 1120                 | HXR 560LS10 | 729        | 597     | 97.0         | 96.9     | 0.77         | 0.71     | 145     | 5.6            | 70    | 17913  | 0.8            | 2.1                | 175.0         | 11080        | 78                         |
| 1230                 | HXR 560LU10 | 730        | 597     | 97.0         | 96.9     | 0.78         | 0.73     | 157     | 5.6            | 73    | 19673  | 0.8            | 2.1                | 209.3         | 12250        | 78                         |
| 500 r/min = 12 poles |             |            |         | 6000 V 50 Hz |          |              |          |         |                |       |        |                |                    |               |              |                            |
| 710                  | HXR 560LM12 | 657        | 496     | 96,3         | 96,3     | 0,77         | 0,72     | 92      | 4,5            | 42    | 13670  | 0,7            | 1,9                | 132,8         | 9560         | 76                         |
| 800                  | HXR 560LQ12 | 731        | 497     | 96,5         | 96,4     | 0,75         | 0,69     | 106     | 5,1            | 54    | 15384  | 0,8            | 2,2                | 153,3         | 10290        | 76                         |
| 900                  | HXR 560LS12 | 732        | 496     | 96,5         | 96,5     | 0,77         | 0,71     | 117     | 4,9            | 56    | 17313  | 0,7            | 2,1                | 180,6         | 11250        | 76                         |
| 980                  | HXR 560LU12 | 733        | 497     | 96,7         | 96,7     | 0,77         | 0,72     | 127     | 4,7            | 57    | 18832  | 0,7            | 1,9                | 209,2         | 12210        | 76                         |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
10000 V, 50 Hz

| Output<br>(kW)       | Motor<br>type | Product<br>ID | Speed<br>(r/min) | Efficiency           |                    | Power factor         |                    | Current      |                        |              | Torque        |                        |                            | Rotor<br>inertia<br>(kgm²) | Motor<br>weight<br>(kg) | Sound<br>pressure<br>level<br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|------------------|----------------------|--------------------|----------------------|--------------------|--------------|------------------------|--------------|---------------|------------------------|----------------------------|----------------------------|-------------------------|------------------------------------------------|
|                      |               |               |                  | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br>(A) | $I_S$<br>$I_N$<br>(pu) | $I_0$<br>(A) | $T_N$<br>(Nm) | $T_S$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                            |                         |                                                |
| 3000 r/min = 2 poles |               |               |                  | 10000 V 50 Hz        |                    |                      |                    |              |                        |              |               |                        |                            |                            |                         |                                                |
| 355                  | AXR 400ME2    | 401027        | 2974             | 95.4                 | 95.3               | 0.89                 | 0.87               | 24           | 6.4                    | 6            | 1140          | 0.8                    | 2.7                        | 5.9                        | 3070                    | 81                                             |
| 400                  | AXR 400ME2    | 401026        | 2973             | 95.5                 | 95.5               | 0.90                 | 0.88               | 27           | 6.2                    | 6            | 1285          | 0.7                    | 2.6                        | 5.9                        | 3070                    | 81                                             |
| 450                  | AXR 400MF2    | 401025        | 2973             | 95.7                 | 95.8               | 0.90                 | 0.89               | 30           | 6.1                    | 6            | 1445          | 0.8                    | 2.4                        | 6.3                        | 3180                    | 81                                             |
| 500                  | AXR 400MG2    | 401024        | 2971             | 95.8                 | 95.9               | 0.91                 | 0.90               | 33           | 6.1                    | 6            | 1607          | 0.9                    | 2.4                        | 6.7                        | 3300                    | 81                                             |
| 560                  | AXR 400MH2    | 401022        | 2973             | 96.0                 | 96.1               | 0.91                 | 0.90               | 37           | 6.1                    | 7            | 1799          | 0.9                    | 2.4                        | 7.1                        | 3420                    | 81                                             |
| 600                  | AXR 400MH2    | 401021        | 2983             | 96.3                 | 96.5               | 0.91                 | 0.91               | 39           | 6.0                    | 7            | 1921          | 0.7                    | 2.2                        | 8.9                        | 3500                    | 81                                             |
| 630                  | AXR 450MG2    | 451025        | 2977             | 96.1                 | 96.1               | 0.91                 | 0.90               | 42           | 5.6                    | 8            | 2021          | 0.6                    | 2.3                        | 13.9                       | 4600                    | 81                                             |
| 710                  | AXR 450MJ2    | 451024        | 2979             | 96.3                 | 96.3               | 0.90                 | 0.89               | 47           | 5.9                    | 9            | 2276          | 0.6                    | 2.4                        | 14.7                       | 4770                    | 81                                             |
| 800                  | AXR 450MK2    | 451023        | 2979             | 96.4                 | 96.5               | 0.91                 | 0.90               | 53           | 5.7                    | 10           | 2564          | 0.6                    | 2.3                        | 15.8                       | 5000                    | 81                                             |
| 870                  | AXR 450ML2    | 451022        | 2980             | 96.6                 | 96.6               | 0.91                 | 0.90               | 57           | 6.0                    | 11           | 2787          | 0.6                    | 2.4                        | 16.3                       | 5120                    | 81                                             |
| 900                  | AXR 450ML2    | 451021        | 2985             | 96.7                 | 96.8               | 0.91                 | 0.91               | 59           | 6.2                    | 11           | 2879          | 0.6                    | 2.3                        | 20.6                       | 5260                    | 81                                             |
| 1000                 | AXR 500ML2    | 501024        | 2984             | 96.5                 | 96.4               | 0.92                 | 0.92               | 65           | 5.9                    | 12           | 3200          | 0.6                    | 2.3                        | 22.2                       | 6230                    | 81                                             |
| 1150                 | AXR 500MN2    | 501023        | 2983             | 96.7                 | 96.6               | 0.92                 | 0.91               | 75           | 5.8                    | 13           | 3682          | 0.6                    | 2.1                        | 26.0                       | 6720                    | 81                                             |
| 1280                 | AXR 500MQ2    | 501022        | 2983             | 96.8                 | 96.8               | 0.92                 | 0.92               | 83           | 6.0                    | 14           | 4097          | 0.6                    | 2.2                        | 29.1                       | 7140                    | 81                                             |
| 1320                 | AXR 500MQ2    | 501021        | 2988             | 97.0                 | 96.9               | 0.92                 | 0.92               | 85           | 6.1                    | 14           | 4219          | 0.6                    | 2.1                        | 36.7                       | 7330                    | 81                                             |
| 1500 r/min = 4 poles |               |               |                  | 10000 V 50 Hz        |                    |                      |                    |              |                        |              |               |                        |                            |                            |                         |                                                |
| 355                  | AXR 400ME4    | 401046        | 1487             | 94.9                 | 94.6               | 0.82                 | 0.77               | 26           | 6.2                    | 12           | 2280          | 0.8                    | 2.7                        | 8.3                        | 2980                    | 81                                             |
| 400                  | AXR 400MF4    | 401045        | 1486             | 95.0                 | 94.9               | 0.84                 | 0.79               | 29           | 6.0                    | 12           | 2571          | 0.8                    | 2.6                        | 8.8                        | 3080                    | 81                                             |
| 450                  | AXR 400MG4    | 401044        | 1487             | 95.3                 | 95.2               | 0.85                 | 0.81               | 32           | 6.1                    | 12           | 2890          | 0.8                    | 2.5                        | 9.2                        | 3170                    | 81                                             |
| 500                  | AXR 400MH4    | 401043        | 1486             | 95.5                 | 95.5               | 0.87                 | 0.84               | 35           | 6.4                    | 12           | 3213          | 0.9                    | 2.5                        | 10.0                       | 3310                    | 81                                             |
| 560                  | AXR 400MJ4    | 401042        | 1487             | 95.7                 | 95.6               | 0.86                 | 0.82               | 40           | 6.0                    | 15           | 3596          | 0.8                    | 2.4                        | 10.9                       | 3470                    | 81                                             |
| 600                  | AXR 400MJ4    | 401041        | 1491             | 95.9                 | 95.8               | 0.85                 | 0.82               | 42           | 5.9                    | 15           | 3842          | 0.7                    | 2.2                        | 13.5                       | 3560                    | 81                                             |
| 630                  | AXR 450MG4    | 451045        | 1488             | 96.0                 | 95.9               | 0.85                 | 0.81               | 45           | 6.0                    | 17           | 4042          | 0.8                    | 2.4                        | 15.2                       | 4520                    | 81                                             |
| 710                  | AXR 450MJ4    | 451044        | 1489             | 96.2                 | 96.1               | 0.85                 | 0.81               | 50           | 6.0                    | 19           | 4554          | 0.8                    | 2.4                        | 17.1                       | 4820                    | 81                                             |
| 800                  | AXR 450ML4    | 451043        | 1488             | 96.3                 | 96.3               | 0.86                 | 0.83               | 56           | 5.9                    | 19           | 5133          | 0.8                    | 2.4                        | 18.6                       | 5060                    | 81                                             |
| 850                  | AXR 450MM4    | 451042        | 1489             | 96.4                 | 96.4               | 0.85                 | 0.82               | 60           | 6.0                    | 22           | 5451          | 0.8                    | 2.4                        | 19.5                       | 5200                    | 81                                             |
| 960                  | AXR 450MM4    | 451041        | 1493             | 96.6                 | 96.5               | 0.84                 | 0.81               | 68           | 6.1                    | 25           | 6140          | 0.6                    | 2.3                        | 24.9                       | 5360                    | 81                                             |
| 1000                 | AXR 500MJ4    | 501044        | 1490             | 96.5                 | 96.4               | 0.86                 | 0.83               | 69           | 6.0                    | 24           | 6408          | 0.7                    | 2.4                        | 28.4                       | 6120                    | 81                                             |
| 1150                 | AXR 500ML4    | 501043        | 1490             | 96.7                 | 96.6               | 0.87                 | 0.84               | 79           | 6.0                    | 26           | 7370          | 0.8                    | 2.3                        | 32.3                       | 6490                    | 81                                             |
| 1300                 | AXR 500MP4    | 501042        | 1491             | 96.9                 | 96.8               | 0.87                 | 0.84               | 89           | 6.1                    | 29           | 8326          | 0.7                    | 2.4                        | 36.4                       | 6930                    | 81                                             |
| 1400                 | AXR 500MP4    | 501041        | 1494             | 97.0                 | 96.9               | 0.88                 | 0.86               | 94           | 6.1                    | 27           | 8947          | 0.6                    | 2.2                        | 49.4                       | 7180                    | 81                                             |
| 710                  | AXR 450MM6    | 451061        | 995              | 96.1                 | 95.9               | 0.81                 | 0.77               | 52           | 5.9                    | 23           | 6814          | 0.8                    | 2.3                        | 31.8                       | 5370                    | 78                                             |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
10000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                   |                                          |                           | Torque                     |                                          |                                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>L <sub>p</sub><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------|------------------------------------------|---------------------------|----------------------------|------------------------------------------|--------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | I <sub>N</sub><br><br>(A) | I <sub>S</sub><br>I <sub>N</sub><br>(pu) | I <sub>0</sub><br><br>(A) | T <sub>N</sub><br><br>(Nm) | T <sub>S</sub><br>T <sub>N</sub><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br>(pu) |                                |                             |                                                             |
| 1000 r/min = 6 poles |               |               |                      | 10000 V 50 Hz        |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |
| 250                  | AXR 400MH6    | 401065        | 990                  | 94.2                 | 93.7               | 0.73                 | 0.65               | 21                        | 6.1                                      | 12                        | 2411                       | 1.0                                      | 3.0                                        | 10.2                           | 3270                        | 74                                                          |
| 280                  | AXR 400MH6    | 401064        | 990                  | 94.4                 | 93.9               | 0.75                 | 0.67               | 23                        | 6.3                                      | 13                        | 2701                       | 1.1                                      | 3.1                                        | 10.7                           | 3340                        | 74                                                          |
| 315                  | AXR 400MJ6    | 401063        | 989                  | 94.5                 | 94.1               | 0.76                 | 0.68               | 25                        | 6.2                                      | 14                        | 3041                       | 1.1                                      | 2.9                                        | 11.1                           | 3420                        | 74                                                          |
| 355                  | AXR 400MJ6    | 401062        | 991                  | 94.8                 | 94.5               | 0.75                 | 0.67               | 29                        | 6.0                                      | 16                        | 3420                       | 1.1                                      | 2.7                                        | 11.1                           | 3450                        | 74                                                          |
| 400                  | AXR 400MJ6    | 401061        | 993                  | 95.1                 | 94.9               | 0.78                 | 0.72               | 31                        | 5.8                                      | 15                        | 3845                       | 1.0                                      | 2.3                                        | 13.7                           | 3540                        | 74                                                          |
| 450                  | AXR 450MH6    | 451065        | 991                  | 95.2                 | 94.9               | 0.80                 | 0.74               | 34                        | 5.9                                      | 16                        | 4337                       | 0.9                                      | 2.5                                        | 20.6                           | 4600                        | 77                                                          |
| 500                  | AXR 450MJ6    | 451064        | 990                  | 95.3                 | 95.1               | 0.81                 | 0.76               | 37                        | 5.9                                      | 17                        | 4821                       | 1.0                                      | 2.5                                        | 21.9                           | 4750                        | 77                                                          |
| 560                  | AXR 450MK6    | 451063        | 992                  | 95.6                 | 95.5               | 0.81                 | 0.77               | 42                        | 5.6                                      | 18                        | 5392                       | 0.9                                      | 2.2                                        | 22.9                           | 4920                        | 77                                                          |
| 630                  | AXR 450MM6    | 451062        | 992                  | 95.7                 | 95.5               | 0.81                 | 0.76               | 47                        | 6.2                                      | 21                        | 6066                       | 1.1                                      | 2.4                                        | 25.7                           | 5220                        | 77                                                          |
| 710                  | AXR 450MM6    | 451061        | 995                  | 96.1                 | 96.0               | 0.81                 | 0.77               | 52                        | 5.9                                      | 23                        | 6814                       | 0.8                                      | 2.3                                        | 31.8                           | 5370                        | 77                                                          |
| 800                  | AXR 500MJ6    | 501064        | 993                  | 96.2                 | 96.3               | 0.84                 | 0.80               | 57                        | 5.8                                      | 22                        | 7696                       | 0.8                                      | 2.3                                        | 32.8                           | 6040                        | 77                                                          |
| 950                  | AXR 500MM6    | 501063        | 993                  | 96.5                 | 96.4               | 0.83                 | 0.78               | 69                        | 6.0                                      | 29                        | 9133                       | 0.8                                      | 2.4                                        | 38.4                           | 6500                        | 77                                                          |
| 1080                 | AXR 500MQ6    | 501062        | 993                  | 96.6                 | 96.6               | 0.84                 | 0.80               | 77                        | 6.0                                      | 30                        | 10384                      | 0.8                                      | 2.4                                        | 44.4                           | 6980                        | 77                                                          |
| 1175                 | AXR 500MQ6    | 501061        | 996                  | 96.8                 | 96.8               | 0.85                 | 0.82               | 83                        | 6.0                                      | 29                        | 11270                      | 0.7                                      | 2.2                                        | 59.2                           | 7250                        | 77                                                          |
| 750 r/min = 8 poles  |               |               |                      | 10000 V 50 Hz        |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |
| 400                  | AXR 500MH8    | 501088        | 743                  | 94.4                 | 93.8               | 0.76                 | 0.69               | 32                        | 5.9                                      | 17                        | 5143                       | 1.1                                      | 2.7                                        | 30.8                           | 5700                        | 78                                                          |
| 450                  | AXR 500MH8    | 501087        | 743                  | 94.5                 | 94.0               | 0.75                 | 0.69               | 36                        | 5.9                                      | 20                        | 5786                       | 1.1                                      | 2.7                                        | 31.8                           | 5780                        | 78                                                          |
| 500                  | AXR 500MJ8    | 501086        | 742                  | 94.7                 | 94.2               | 0.76                 | 0.70               | 40                        | 5.8                                      | 21                        | 6431                       | 1.1                                      | 2.6                                        | 34.2                           | 5960                        | 78                                                          |
| 560                  | AXR 500MK8    | 501085        | 744                  | 95.1                 | 94.6               | 0.75                 | 0.68               | 45                        | 5.9                                      | 25                        | 7185                       | 1.1                                      | 2.5                                        | 34.9                           | 6090                        | 78                                                          |
| 630                  | AXR 500ML8    | 501084        | 744                  | 95.2                 | 94.8               | 0.76                 | 0.69               | 50                        | 5.9                                      | 27                        | 8084                       | 1.1                                      | 2.5                                        | 38.2                           | 6340                        | 78                                                          |
| 710                  | AXR 500MN8    | 501083        | 744                  | 95.4                 | 95.0               | 0.76                 | 0.69               | 57                        | 6.0                                      | 30                        | 9108                       | 1.0                                      | 2.5                                        | 41.8                           | 6660                        | 78                                                          |
| 800                  | AXR 500MQ8    | 501082        | 744                  | 95.6                 | 95.2               | 0.76                 | 0.70               | 63                        | 6.0                                      | 33                        | 10262                      | 1.0                                      | 2.5                                        | 46.4                           | 7020                        | 78                                                          |
| 900                  | AXR 500MQ8    | 501081        | 746                  | 95.9                 | 95.6               | 0.79                 | 0.73               | 69                        | 5.8                                      | 33                        | 11518                      | 0.7                                      | 2.3                                        | 59.1                           | 7240                        | 78                                                          |

IP55, IC411, insulation class F, temperature rise class B  
10000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current      |                        |              | Torque        |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|--------------|------------------------|--------------|---------------|------------------------|----------------------------|--------------------------------|-----------------------------|----------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br>(A) | $I_S$<br>$I_N$<br>(pu) | $I_0$<br>(A) | $T_N$<br>(Nm) | $T_S$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                    |
| 3000 r/min = 2 poles |               |               |                      | 10000 V 50 Hz        |                    |                      |                    |              |                        |              |               |                        |                            |                                |                             |                                                    |
| 1120                 | HXR 560LM2    | 711           | 2990                 | 97.0                 | 96.7               | 0.90                 | 0.88               | 74           | 7.5                    | 19           | 3577          | 0.6                    | 2.9                        | 44.2                           | 9700                        | 87                                                 |
| 1250                 | HXR 560LQ2    | 712           | 2990                 | 97.1                 | 96.9               | 0.90                 | 0.89               | 82           | 7.5                    | 21           | 3992          | 0.6                    | 2.8                        | 50.4                           | 10420                       | 87                                                 |
| 1500/r min = 4 poles |               |               |                      | 10000 V 50 Hz        |                    |                      |                    |              |                        |              |               |                        |                            |                                |                             |                                                    |
| 1120                 | HXR 560LL4    | 661           | 1494                 | 97.4                 | 97.4               | 0.87                 | 0.84               | 76           | 6.6                    | 25           | 7159          | 0.7                    | 2.5                        | 67.4                           | 9500                        | 82                                                 |
| 1250                 | HXR 560LN4    | 662           | 1495                 | 97.5                 | 97.4               | 0.87                 | 0.84               | 85           | 6.9                    | 29           | 7985          | 0.7                    | 2.6                        | 74.1                           | 9920                        | 82                                                 |
| 1400                 | HXR 560LR4    | 663           | 1495                 | 97.6                 | 97.6               | 0.87                 | 0.84               | 95           | 7.0                    | 33           | 8942          | 0.7                    | 2.7                        | 82.1                           | 10520                       | 82                                                 |



# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
4160 V, 60 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|---------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>S</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>S</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                               |
|                      |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 3600 r/min = 2 poles |               |               |                      | 4160 V 60 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 160                  | AXR 315MA2    | 320429        | 3570                 | 94.2                 | 93.7               | 0.91                 | 0.90               | 26                              | 5.9                                                  | 6                               | 428                              | 0.7                                                  | 2.4                                                    | 1.8                            | 1660                        | 84                                                            |
| 200                  | AXR 315MA2    | 320428        | 3569                 | 94.7                 | 94.4               | 0.91                 | 0.90               | 32                              | 5.6                                                  | 7                               | 535                              | 0.6                                                  | 2.3                                                    | 1.7                            | 1660                        | 84                                                            |
| 250                  | AXR 315MB2    | 320427        | 3571                 | 95.1                 | 94.9               | 0.90                 | 0.89               | 40                              | 5.7                                                  | 10                              | 669                              | 0.6                                                  | 2.3                                                    | 1.8                            | 1680                        | 84                                                            |
| 280                  | AXR 315MB2    | 320426        | 3571                 | 95.4                 | 95.2               | 0.90                 | 0.88               | 45                              | 5.7                                                  | 11                              | 749                              | 0.6                                                  | 2.3                                                    | 1.9                            | 1710                        | 84                                                            |
| 315                  | AXR 315MC2    | 320425        | 3571                 | 95.6                 | 95.5               | 0.90                 | 0.89               | 51                              | 5.7                                                  | 12                              | 842                              | 0.6                                                  | 2.3                                                    | 2.0                            | 1770                        | 84                                                            |
| 355                  | AXR 315MC2    | 320424        | 3572                 | 95.8                 | 95.7               | 0.90                 | 0.89               | 57                              | 5.8                                                  | 13                              | 949                              | 0.7                                                  | 2.3                                                    | 2.2                            | 1830                        | 84                                                            |
| 375                  | AXR 315MD2    | 320423        | 3572                 | 95.8                 | 95.8               | 0.91                 | 0.90               | 60                              | 5.9                                                  | 13                              | 1002                             | 0.7                                                  | 2.3                                                    | 2.4                            | 1870                        | 84                                                            |
| 425                  | AXR 315ME2    | 320422        | 3574                 | 96.0                 | 96.0               | 0.90                 | 0.89               | 68                              | 5.8                                                  | 15                              | 1136                             | 0.6                                                  | 2.3                                                    | 2.6                            | 1970                        | 84                                                            |
| 445                  | AXR 315ME2    | 320421        | 3582                 | 96.3                 | 96.3               | 0.91                 | 0.91               | 70                              | 6.0                                                  | 14                              | 1186                             | 0.6                                                  | 2.2                                                    | 3.7                            | 2040                        | 84                                                            |
| 450                  | AXR 355ME2    | 360424        | 3570                 | 95.8                 | 95.8               | 0.91                 | 0.91               | 71                              | 5.7                                                  | 14                              | 1204                             | 0.7                                                  | 2.2                                                    | 4.1                            | 2340                        | 84                                                            |
| 500                  | AXR 355MF2    | 360423        | 3572                 | 95.9                 | 95.9               | 0.92                 | 0.91               | 78                              | 5.9                                                  | 15                              | 1337                             | 0.7                                                  | 2.3                                                    | 4.3                            | 2390                        | 84                                                            |
| 570                  | AXR 355MH2    | 360422        | 3574                 | 96.2                 | 96.2               | 0.92                 | 0.91               | 89                              | 6.0                                                  | 17                              | 1523                             | 0.7                                                  | 2.3                                                    | 4.8                            | 2540                        | 84                                                            |
| 600                  | AXR 355MH2    | 360421        | 3582                 | 96.4                 | 96.4               | 0.92                 | 0.92               | 94                              | 6.1                                                  | 17                              | 1600                             | 0.7                                                  | 2.2                                                    | 6.2                            | 2620                        | 84                                                            |
| 630                  | AXR 400MF2    | 410425        | 3575                 | 96.1                 | 96.1               | 0.92                 | 0.91               | 99                              | 6.1                                                  | 17                              | 1683                             | 0.8                                                  | 2.4                                                    | 7.6                            | 3100                        | 85                                                            |
| 710                  | AXR 400MH2    | 410424        | 3576                 | 96.4                 | 96.3               | 0.91                 | 0.91               | 111                             | 6.0                                                  | 20                              | 1896                             | 0.7                                                  | 2.3                                                    | 8.5                            | 3310                        | 85                                                            |
| 800                  | AXR 400MJ2    | 410423        | 3576                 | 96.5                 | 96.5               | 0.92                 | 0.92               | 125                             | 6.1                                                  | 21                              | 2136                             | 0.7                                                  | 2.3                                                    | 9.2                            | 3480                        | 85                                                            |
| 860                  | AXR 400ML2    | 410422        | 3577                 | 96.6                 | 96.6               | 0.92                 | 0.91               | 134                             | 6.2                                                  | 24                              | 2296                             | 0.7                                                  | 2.3                                                    | 9.7                            | 3610                        | 85                                                            |
| 890                  | AXR 400ML2    | 410421        | 3583                 | 96.8                 | 96.7               | 0.92                 | 0.92               | 138                             | 6.4                                                  | 23                              | 2372                             | 0.8                                                  | 2.3                                                    | 12.6                           | 3730                        | 85                                                            |
| 1000                 | AXR 450MK2    | 460424        | 3580                 | 96.5                 | 96.4               | 0.91                 | 0.91               | 156                             | 6.1                                                  | 28                              | 2668                             | 0.6                                                  | 2.5                                                    | 15.2                           | 4960                        | 85                                                            |
| 1100                 | AXR 450MM2    | 460423        | 3580                 | 96.7                 | 96.5               | 0.92                 | 0.92               | 171                             | 6.3                                                  | 30                              | 2934                             | 0.7                                                  | 2.5                                                    | 17.2                           | 5340                        | 85                                                            |
| 1170                 | AXR 450MN2    | 460422        | 3582                 | 96.7                 | 96.5               | 0.90                 | 0.90               | 185                             | 6.3                                                  | 37                              | 3120                             | 0.6                                                  | 2.5                                                    | 18.2                           | 5500                        | 85                                                            |
| 1200                 | AXR 450MN2    | 460421        | 3585                 | 96.9                 | 96.7               | 0.90                 | 0.90               | 189                             | 6.1                                                  | 37                              | 3196                             | 0.6                                                  | 2.3                                                    | 22.7                           | 5650                        | 85                                                            |
| 1320                 | AXR 500MN2    | 510423        | 3582                 | 96.5                 | 96.3               | 0.92                 | 0.92               | 205                             | 5.9                                                  | 36                              | 3519                             | 0.6                                                  | 2.2                                                    | 26.1                           | 6720                        | 85                                                            |
| 1530                 | AXR 500MR2    | 510422        | 3583                 | 96.8                 | 96.6               | 0.92                 | 0.92               | 236                             | 6.1                                                  | 41                              | 4078                             | 0.6                                                  | 2.3                                                    | 31.1                           | 7440                        | 85                                                            |
| 1600                 | AXR 500MR2    | 510421        | 3587                 | 96.9                 | 96.7               | 0.93                 | 0.93               | 246                             | 6.2                                                  | 41                              | 4259                             | 0.6                                                  | 2.2                                                    | 39.4                           | 7640                        | 85                                                            |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
4160 V, 60 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|---------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>S</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>S</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                               |
| 1800 r/min = 4 poles |               |               |                      | 4160 V 60 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 160                  | AXR 315MA4    | 320448        | 1783                 | 94.3                 | 93.9               | 0.84                 | 0.80               | 28                              | 5.9                                                  | 12                              | 857                              | 0.9                                                  | 2.4                                                    | 2.8                            | 1640                        | 81                                                            |
| 200                  | AXR 315MA4    | 320447        | 1781                 | 94.6                 | 94.4               | 0.84                 | 0.80               | 35                              | 5.7                                                  | 14                              | 1072                             | 0.9                                                  | 2.2                                                    | 2.8                            | 1640                        | 81                                                            |
| 250                  | AXR 315MB4    | 320446        | 1782                 | 95.0                 | 94.8               | 0.81                 | 0.76               | 45                              | 5.7                                                  | 20                              | 1339                             | 0.9                                                  | 2.3                                                    | 3.0                            | 1680                        | 81                                                            |
| 280                  | AXR 315MB4    | 320445        | 1783                 | 95.2                 | 95.0               | 0.81                 | 0.76               | 50                              | 5.8                                                  | 23                              | 1500                             | 0.9                                                  | 2.3                                                    | 3.2                            | 1730                        | 81                                                            |
| 315                  | AXR 315MC4    | 320444        | 1783                 | 95.5                 | 95.3               | 0.82                 | 0.78               | 56                              | 5.9                                                  | 24                              | 1687                             | 0.9                                                  | 2.3                                                    | 3.6                            | 1820                        | 81                                                            |
| 355                  | AXR 315MD4    | 320443        | 1783                 | 95.7                 | 95.5               | 0.82                 | 0.78               | 63                              | 6.1                                                  | 27                              | 1901                             | 1.0                                                  | 2.4                                                    | 4.0                            | 1910                        | 81                                                            |
| 415                  | AXR 315ME4    | 320442        | 1784                 | 95.8                 | 95.7               | 0.81                 | 0.76               | 75                              | 6.0                                                  | 34                              | 2221                             | 1.0                                                  | 2.4                                                    | 4.5                            | 2000                        | 81                                                            |
| 460                  | AXR 315ME4    | 320441        | 1791                 | 96.2                 | 96.0               | 0.82                 | 0.77               | 81                              | 6.0                                                  | 36                              | 2453                             | 0.8                                                  | 2.2                                                    | 5.7                            | 2060                        | 81                                                            |
| 500                  | AXR 355MG4    | 360443        | 1785                 | 95.9                 | 95.8               | 0.85                 | 0.82               | 85                              | 5.9                                                  | 32                              | 2675                             | 1.0                                                  | 2.2                                                    | 6.8                            | 2470                        | 81                                                            |
| 560                  | AXR 355MH4    | 360442        | 1785                 | 96.1                 | 96.0               | 0.85                 | 0.82               | 95                              | 5.9                                                  | 34                              | 2995                             | 1.0                                                  | 2.2                                                    | 7.3                            | 2570                        | 81                                                            |
| 610                  | AXR 355MH4    | 360441        | 1791                 | 96.2                 | 96.0               | 0.83                 | 0.79               | 106                             | 5.9                                                  | 42                              | 3253                             | 0.7                                                  | 2.1                                                    | 9.2                            | 2660                        | 81                                                            |
| 630                  | AXR 400MF4    | 410445        | 1788                 | 96.1                 | 95.9               | 0.87                 | 0.84               | 105                             | 5.9                                                  | 35                              | 3364                             | 0.7                                                  | 2.2                                                    | 11.0                           | 3080                        | 83                                                            |
| 710                  | AXR 400MG4    | 410444        | 1788                 | 96.3                 | 96.2               | 0.88                 | 0.86               | 116                             | 5.9                                                  | 36                              | 3793                             | 0.7                                                  | 2.2                                                    | 12.1                           | 3260                        | 83                                                            |
| 800                  | AXR 400MJ4    | 410443        | 1789                 | 96.4                 | 96.3               | 0.87                 | 0.84               | 133                             | 5.9                                                  | 45                              | 4270                             | 0.7                                                  | 2.2                                                    | 13.4                           | 3460                        | 83                                                            |
| 900                  | AXR 400ML4    | 410442        | 1789                 | 96.6                 | 96.4               | 0.87                 | 0.85               | 148                             | 6.1                                                  | 48                              | 4804                             | 0.7                                                  | 2.2                                                    | 15.0                           | 3690                        | 83                                                            |
| 950                  | AXR 400ML4    | 410441        | 1793                 | 96.7                 | 96.5               | 0.87                 | 0.85               | 156                             | 6.1                                                  | 49                              | 5059                             | 0.7                                                  | 2.1                                                    | 20.0                           | 3850                        | 83                                                            |
| 1000                 | AXR 450MK4    | 460444        | 1789                 | 96.5                 | 96.3               | 0.87                 | 0.85               | 165                             | 5.9                                                  | 53                              | 5338                             | 0.7                                                  | 2.2                                                    | 24.6                           | 4900                        | 83                                                            |
| 1100                 | AXR 450ML4    | 460443        | 1790                 | 96.6                 | 96.4               | 0.87                 | 0.84               | 183                             | 6.0                                                  | 61                              | 5870                             | 0.7                                                  | 2.2                                                    | 26.8                           | 5130                        | 83                                                            |
| 1200                 | AXR 450MP4    | 460442        | 1790                 | 96.7                 | 96.6               | 0.87                 | 0.85               | 197                             | 5.9                                                  | 62                              | 6402                             | 0.7                                                  | 2.2                                                    | 29.4                           | 5420                        | 83                                                            |
| 1250                 | AXR 450MP4    | 460441        | 1793                 | 96.8                 | 96.5               | 0.88                 | 0.86               | 204                             | 6.0                                                  | 59                              | 6657                             | 0.7                                                  | 2.1                                                    | 38.5                           | 5630                        | 83                                                            |
| 1400                 | AXR 500ML4    | 510444        | 1789                 | 96.8                 | 96.6               | 0.89                 | 0.87               | 225                             | 5.8                                                  | 63                              | 7472                             | 0.7                                                  | 2.2                                                    | 36.6                           | 6510                        | 84                                                            |
| 1600                 | AXR 500MP4    | 510443        | 1790                 | 96.9                 | 96.8               | 0.88                 | 0.86               | 259                             | 5.8                                                  | 77                              | 8535                             | 0.6                                                  | 2.2                                                    | 42.1                           | 6990                        | 84                                                            |
| 1700                 | AXR 500MR4    | 510442        | 1791                 | 97.0                 | 96.8               | 0.88                 | 0.86               | 275                             | 5.9                                                  | 82                              | 9066                             | 0.6                                                  | 2.3                                                    | 47.2                           | 7430                        | 84                                                            |
| 1800                 | AXR 500MR4    | 510441        | 1793                 | 97.0                 | 96.8               | 0.89                 | 0.87               | 290                             | 6.1                                                  | 79                              | 9584                             | 0.6                                                  | 2.1                                                    | 63.0                           | 7710                        | 84                                                            |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
4160 V, 60 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_s$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_s$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                |
| 1200 r/min = 6 poles |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                |
| 4160 V 60 Hz         |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                |
| 125                  | AXR 315MA6    | 320469        | 1187                 | 94.2                 | 94.0               | 0.80                 | 0.74               | 23               | 5.4                    | 11               | 1006              | 0.9                    | 2.4                        | 2.7                            | 1620                        | 76                                             |
| 160                  | AXR 315MA6    | 320468        | 1187                 | 94.5                 | 94.4               | 0.78                 | 0.71               | 30               | 5.3                    | 16               | 1288              | 0.9                    | 2.3                        | 2.7                            | 1630                        | 76                                             |
| 180                  | AXR 315MB6    | 320467        | 1186                 | 94.7                 | 94.6               | 0.79                 | 0.73               | 34               | 5.2                    | 17               | 1449              | 0.9                    | 2.2                        | 2.9                            | 1670                        | 76                                             |
| 200                  | AXR 315MB6    | 320466        | 1186                 | 94.8                 | 94.8               | 0.79                 | 0.73               | 37               | 5.2                    | 19               | 1610              | 0.9                    | 2.2                        | 3.1                            | 1700                        | 76                                             |
| 224                  | AXR 315MC6    | 320465        | 1186                 | 95.0                 | 95.0               | 0.79                 | 0.74               | 41               | 5.1                    | 20               | 1804              | 0.9                    | 2.2                        | 3.4                            | 1760                        | 76                                             |
| 250                  | AXR 315MD6    | 320464        | 1185                 | 95.2                 | 95.2               | 0.80                 | 0.76               | 45               | 5.1                    | 21               | 2014              | 0.9                    | 2.1                        | 3.8                            | 1840                        | 76                                             |
| 280                  | AXR 315ME6    | 320463        | 1185                 | 95.3                 | 95.4               | 0.81                 | 0.76               | 50               | 5.1                    | 22               | 2256              | 0.9                    | 2.1                        | 4.1                            | 1920                        | 76                                             |
| 310                  | AXR 315MF6    | 320462        | 1186                 | 95.5                 | 95.5               | 0.80                 | 0.75               | 56               | 5.3                    | 26               | 2496              | 1.0                    | 2.2                        | 4.4                            | 1990                        | 76                                             |
| 335                  | AXR 315MF6    | 320461        | 1191                 | 95.9                 | 95.9               | 0.81                 | 0.77               | 60               | 5.2                    | 26               | 2685              | 0.7                    | 2.0                        | 5.9                            | 2050                        | 76                                             |
| 355                  | AXR 355MG6    | 360463        | 1187                 | 95.3                 | 95.2               | 0.81                 | 0.76               | 64               | 5.4                    | 29               | 2855              | 0.9                    | 2.2                        | 6.7                            | 2450                        | 79                                             |
| 425                  | AXR 355MH6    | 360462        | 1187                 | 95.5                 | 95.4               | 0.81                 | 0.76               | 76               | 5.4                    | 34               | 3418              | 0.9                    | 2.2                        | 7.4                            | 2580                        | 79                                             |
| 470                  | AXR 355MH6    | 360461        | 1192                 | 95.9                 | 95.8               | 0.82                 | 0.78               | 83               | 5.2                    | 34               | 3766              | 0.7                    | 2.0                        | 9.5                            | 2670                        | 79                                             |
| 500                  | AXR 400MG6    | 420010        | 1192                 | 95.8                 | 95.6               | 0.83                 | 0.80               | 87               | 5.9                    | 35               | 4006              | 0.8                    | 2.2                        | 16.7                           | 3070                        | 79                                             |
| 560                  | AXR 400MH6    | 420014        | 1192                 | 96.0                 | 95.8               | 0.83                 | 0.79               | 97               | 5.9                    | 40               | 4485              | 0.7                    | 2.2                        | 19.4                           | 3320                        | 79                                             |
| 620                  | AXR 400MK6    | 420106        | 1193                 | 96.0                 | 95.6               | 0.80                 | 0.75               | 112              | 6.4                    | 53               | 4961              | 0.8                    | 2.4                        | 21.7                           | 3510                        | 79                                             |
| 680                  | AXR 400ML6    | 420107        | 1193                 | 96.1                 | 96.0               | 0.84                 | 0.80               | 117              | 6.3                    | 46               | 5445              | 0.8                    | 2.3                        | 23.3                           | 3670                        | 79                                             |
| 720                  | AXR 400MM6    | 420105        | 1195                 | 96.3                 | 96.1               | 0.85                 | 0.82               | 122              | 6.2                    | 45               | 5754              | 0.7                    | 2.1                        | 30.3                           | 3840                        | 79                                             |
| 800                  | AXR 450MJ6    | 460464        | 1192                 | 96.3                 | 96.1               | 0.85                 | 0.81               | 136              | 5.9                    | 52               | 6407              | 0.8                    | 2.3                        | 33.8                           | 4740                        | 82                                             |
| 900                  | AXR 450ML6    | 460463        | 1193                 | 96.4                 | 96.2               | 0.85                 | 0.81               | 153              | 5.9                    | 60               | 7206              | 0.7                    | 2.3                        | 37.9                           | 5030                        | 82                                             |
| 1050                 | AXR 450MP6    | 460462        | 1193                 | 96.5                 | 96.4               | 0.85                 | 0.81               | 178              | 6.0                    | 69               | 8406              | 0.8                    | 2.4                        | 43.6                           | 5440                        | 82                                             |
| 1120                 | AXR 450MP6    | 460461        | 1195                 | 96.7                 | 96.5               | 0.85                 | 0.83               | 188              | 5.9                    | 66               | 8949              | 0.7                    | 2.1                        | 55.2                           | 5660                        | 82                                             |
| 1250                 | AXR 500MM6    | 510464        | 1193                 | 96.7                 | 96.6               | 0.84                 | 0.80               | 213              | 5.9                    | 85               | 10003             | 0.7                    | 2.4                        | 53.5                           | 6570                        | 82                                             |
| 1400                 | AXR 500MQ6    | 510463        | 1193                 | 96.8                 | 96.7               | 0.85                 | 0.82               | 236              | 5.8                    | 90               | 11204             | 0.7                    | 2.4                        | 62.5                           | 7120                        | 82                                             |
| 1550                 | AXR 500MS6    | 510462        | 1194                 | 96.9                 | 96.7               | 0.85                 | 0.81               | 263              | 6.0                    | 104              | 12400             | 0.7                    | 2.5                        | 70.5                           | 7560                        | 82                                             |
| 1700                 | AXR 500MS6    | 510461        | 1196                 | 97.0                 | 96.9               | 0.86                 | 0.83               | 284              | 6.1                    | 100              | 13574             | 0.7                    | 2.2                        | 93.1                           | 7910                        | 82                                             |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
4160 V, 60 Hz

| Output<br><br>(kW)  | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                   |                                          |                           | Torque                     |                                          |                                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>L <sub>p</sub><br><br>(dB(A)) |
|---------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------|------------------------------------------|---------------------------|----------------------------|------------------------------------------|--------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------|
|                     |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | I <sub>N</sub><br><br>(A) | I <sub>s</sub><br>I <sub>N</sub><br>(pu) | I <sub>0</sub><br><br>(A) | T <sub>N</sub><br><br>(Nm) | T <sub>s</sub><br>T <sub>N</sub><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br>(pu) |                                |                             |                                                             |
| 900 r/min = 8 poles |               |               |                      |                      |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |



# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
4160 V, 60 Hz

| Output<br>(kW)       | Motor<br>type | Product<br>ID | Speed<br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                     |                                                      |                             | Torque                       |                                                      |                                                        | Rotor<br>inertia<br>(kgm²) | Motor<br>weight<br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|------------------|----------------------|--------------------|----------------------|--------------------|-----------------------------|------------------------------------------------------|-----------------------------|------------------------------|------------------------------------------------------|--------------------------------------------------------|----------------------------|-------------------------|---------------------------------------------------------------|
|                      |               |               |                  | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br>(A) | <i>T<sub>N</sub></i><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                            |                         |                                                               |
| 720 r/min = 10 poles |               |               |                  |                      |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 4160 V 60 Hz         |               |               |                  |                      |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 160                  | AXR 400MC10   | 4104108       | 713              | 93.0                 | 92.2               | 0.68                 | 0.60               | 35                          | 5.4                                                  | 23                          | 2143                         | 1.2                                                  | 2.7                                                    | 14.0                       | 2760                    | 75                                                            |
| 200                  | AXR 400MD10   | 4104107       | 712              | 93.3                 | 92.7               | 0.70                 | 0.62               | 43                          | 5.1                                                  | 27                          | 2682                         | 1.1                                                  | 2.4                                                    | 14.5                       | 2810                    | 75                                                            |
| 224                  | AXR 400MF10   | 4104106       | 712              | 93.5                 | 93.0               | 0.71                 | 0.64               | 47                          | 5.1                                                  | 28                          | 3005                         | 1.1                                                  | 2.3                                                    | 15.9                       | 2930                    | 75                                                            |
| 250                  | AXR 400MG10   | 4104105       | 712              | 93.7                 | 93.2               | 0.72                 | 0.65               | 52                          | 5.0                                                  | 31                          | 3354                         | 1.0                                                  | 2.3                                                    | 17.6                       | 3070                    | 75                                                            |
| 280                  | AXR 400MH10   | 4104104       | 712              | 93.9                 | 93.4               | 0.72                 | 0.65               | 58                          | 5.1                                                  | 34                          | 3756                         | 1.1                                                  | 2.3                                                    | 19.2                       | 3220                    | 75                                                            |
| 315                  | AXR 400MK10   | 4104103       | 712              | 94.0                 | 93.6               | 0.72                 | 0.65               | 65                          | 5.1                                                  | 38                          | 4226                         | 1.1                                                  | 2.3                                                    | 21.7                       | 3430                    | 75                                                            |
| 355                  | AXR 400MM10   | 4104102       | 712              | 94.1                 | 93.7               | 0.72                 | 0.65               | 73                          | 5.2                                                  | 43                          | 4761                         | 1.1                                                  | 2.3                                                    | 24.7                       | 3690                    | 75                                                            |
| 400                  | AXR 400MM10   | 4104101       | 715              | 94.7                 | 94.3               | 0.73                 | 0.67               | 80                          | 4.8                                                  | 43                          | 5343                         | 0.9                                                  | 1.9                                                    | 30.3                       | 3810                    | 75                                                            |
| 450                  | AXR 450MH10   | 4604105       | 714              | 95.3                 | 95.2               | 0.74                 | 0.67               | 89                          | 4.8                                                  | 49                          | 6022                         | 0.9                                                  | 2.0                                                    | 32.1                       | 4530                    | 76                                                            |
| 500                  | AXR 450MK10   | 4604104       | 714              | 95.5                 | 95.3               | 0.74                 | 0.68               | 98                          | 4.8                                                  | 53                          | 6690                         | 0.9                                                  | 2.0                                                    | 35.6                       | 4770                    | 76                                                            |
| 560                  | AXR 450MM10   | 4604103       | 714              | 95.6                 | 95.4               | 0.75                 | 0.69               | 109                         | 4.8                                                  | 58                          | 7493                         | 0.9                                                  | 2.0                                                    | 40.3                       | 5090                    | 76                                                            |
| 630                  | AXR 450MP10   | 4604102       | 714              | 95.7                 | 95.5               | 0.74                 | 0.68               | 123                         | 4.9                                                  | 66                          | 8426                         | 0.9                                                  | 2.1                                                    | 45.4                       | 5450                    | 76                                                            |
| 680                  | AXR 450MP10   | 4604101       | 716              | 96.0                 | 95.9               | 0.76                 | 0.70               | 130                         | 4.8                                                  | 66                          | 9069                         | 0.7                                                  | 1.9                                                    | 57.4                       | 5670                    | 76                                                            |
| 710                  | AXR 500MK10   | 5004105       | 713              | 95.7                 | 95.6               | 0.77                 | 0.73               | 133                         | 4.5                                                  | 62                          | 9508                         | 0.8                                                  | 1.8                                                    | 48.8                       | 6090                    | 78                                                            |
| 800                  | AXR 500MM10   | 5004104       | 713              | 95.8                 | 95.7               | 0.77                 | 0.72               | 150                         | 4.7                                                  | 72                          | 10709                        | 0.8                                                  | 1.9                                                    | 55.2                       | 6460                    | 78                                                            |
| 900                  | AXR 500MQ10   | 5004103       | 714              | 95.9                 | 95.8               | 0.77                 | 0.71               | 170                         | 4.9                                                  | 84                          | 12041                        | 0.8                                                  | 2.0                                                    | 64.2                       | 6950                    | 78                                                            |
| 1030                 | AXR 500MS10   | 5004102       | 714              | 96.0                 | 95.8               | 0.76                 | 0.70               | 196                         | 5.2                                                  | 101                         | 13771                        | 0.9                                                  | 2.1                                                    | 76.4                       | 7650                    | 78                                                            |
| 1150                 | AXR 500MS10   | 5004101       | 716              | 96.4                 | 96.2               | 0.78                 | 0.73               | 213                         | 5.0                                                  | 98                          | 15331                        | 0.7                                                  | 1.9                                                    | 94.9                       | 7920                    | 78                                                            |
| 600 r/min = 12 poles |               |               |                  |                      |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 4160 V 60 Hz         |               |               |                  |                      |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 140                  | AXR 400MD12   | 4104128       | 592              | 92.4                 | 91.9               | 0.68                 | 0.60               | 31                          | 4.3                                                  | 20                          | 2260                         | 0.9                                                  | 2.1                                                    | 13.1                       | 2690                    | 74                                                            |
| 160                  | AXR 400MD12   | 4104127       | 591              | 92.6                 | 92.2               | 0.69                 | 0.62               | 35                          | 4.2                                                  | 21                          | 2584                         | 0.9                                                  | 2.0                                                    | 13.9                       | 2760                    | 74                                                            |
| 180                  | AXR 400ME12   | 4104126       | 591              | 92.8                 | 92.6               | 0.70                 | 0.64               | 38                          | 4.0                                                  | 22                          | 2910                         | 0.9                                                  | 1.9                                                    | 15.2                       | 2870                    | 74                                                            |
| 200                  | AXR 400MF12   | 4104125       | 592              | 93.0                 | 92.5               | 0.68                 | 0.60               | 44                          | 4.4                                                  | 28                          | 3226                         | 1.0                                                  | 2.1                                                    | 17.4                       | 3060                    | 74                                                            |
| 224                  | AXR 400MH12   | 4104124       | 592              | 93.2                 | 92.7               | 0.68                 | 0.61               | 49                          | 4.5                                                  | 31                          | 3613                         | 1.0                                                  | 2.1                                                    | 19.3                       | 3230                    | 74                                                            |
| 250                  | AXR 400MK12   | 4104123       | 592              | 93.3                 | 92.8               | 0.68                 | 0.60               | 55                          | 4.5                                                  | 35                          | 4031                         | 1.0                                                  | 2.2                                                    | 21.5                       | 3420                    | 74                                                            |
| 290                  | AXR 400MM12   | 4104122       | 592              | 93.5                 | 93.0               | 0.68                 | 0.61               | 63                          | 4.5                                                  | 39                          | 4677                         | 1.0                                                  | 2.2                                                    | 24.5                       | 3680                    | 74                                                            |
| 330                  | AXR 400MM12   | 4104121       | 596              | 94.3                 | 93.9               | 0.70                 | 0.63               | 69                          | 4.4                                                  | 41                          | 5292                         | 0.7                                                  | 2.0                                                    | 30.6                       | 3810                    | 74                                                            |
| 355                  | AXR 450MK12   | 4604124       | 593              | 94.2                 | 93.8               | 0.70                 | 0.64               | 75                          | 4.4                                                  | 44                          | 5717                         | 0.8                                                  | 2.1                                                    | 37.3                       | 4870                    | 75                                                            |
| 400                  | AXR 450MN12   | 4604123       | 593              | 94.3                 | 93.8               | 0.70                 | 0.63               | 84                          | 4.5                                                  | 51                          | 6438                         | 0.9                                                  | 2.2                                                    | 43.0                       | 5250                    | 75                                                            |
| 430                  | AXR 450MQ12   | 4604122       | 593              | 94.3                 | 93.8               | 0.70                 | 0.63               | 91                          | 4.6                                                  | 54                          | 6919                         | 0.9                                                  | 2.2                                                    | 47.0                       | 5500                    | 75                                                            |
| 480                  | AXR 450MQ12   | 4604121       | 595              | 94.8                 | 94.4               | 0.71                 | 0.66               | 98                          | 4.3                                                  | 54                          | 7698                         | 0.8                                                  | 1.8                                                    | 57.6                       | 5690                    | 75                                                            |
| 500                  | AXR 500MM12   | 5104125       | 595              | 94.5                 | 93.9               | 0.70                 | 0.64               | 105                         | 4.4                                                  | 61                          | 8026                         | 0.8                                                  | 1.9                                                    | 55.1                       | 6480                    | 75                                                            |
| 560                  | AXR 500MP12   | 5104124       | 595              | 94.7                 | 94.1               | 0.71                 | 0.64               | 116                         | 4.4                                                  | 66                          | 8990                         | 0.7                                                  | 1.9                                                    | 60.8                       | 6810                    | 75                                                            |
| 630                  | AXR 500MR12   | 5104123       | 595              | 94.8                 | 94.2               | 0.71                 | 0.65               | 129                         | 4.3                                                  | 72                          | 10115                        | 0.7                                                  | 1.9                                                    | 68.4                       | 7250                    | 75                                                            |
| 710                  | AXR 500MS12   | 5104122       | 595              | 94.8                 | 94.3               | 0.71                 | 0.65               | 146                         | 4.4                                                  | 81                          | 11399                        | 0.7                                                  | 1.9                                                    | 76.6                       | 7730                    | 75                                                            |
| 775                  | AXR 500MS12   | 5104121       | 596              | 95.3                 | 94.8               | 0.72                 | 0.67               | 156                         | 4.3                                                  | 83                          | 12411                        | 0.6                                                  | 1.9                                                    | 96.4                       | 8020                    | 75                                                            |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
6600 V, 60 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 3600 r/min = 2 poles |               |               |                      | 6600 V 60 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 160                  | AXR 315MB2    | 320629        | 3574                 | 94.0                 | 93.3               | 0.86                 | 0.83               | 17                              | 6.5                                                  | 6                               | 427                              | 0.8                                                  | 3.0                                                    | 2.1                            | 1710                        | 84                                                                |
| 200                  | AXR 315MB2    | 320628        | 3569                 | 94.4                 | 94.0               | 0.89                 | 0.86               | 21                              | 5.8                                                  | 6                               | 535                              | 0.7                                                  | 2.5                                                    | 2.0                            | 1710                        | 84                                                                |
| 224                  | AXR 315MB2    | 320627        | 3567                 | 94.5                 | 94.3               | 0.90                 | 0.88               | 23                              | 5.8                                                  | 6                               | 600                              | 0.7                                                  | 2.5                                                    | 2.0                            | 1700                        | 84                                                                |
| 250                  | AXR 315MB2    | 320626        | 3573                 | 94.8                 | 94.7               | 0.90                 | 0.89               | 25                              | 5.8                                                  | 6                               | 668                              | 0.6                                                  | 2.3                                                    | 1.9                            | 1700                        | 84                                                                |
| 280                  | AXR 315MB2    | 320625        | 3573                 | 95.2                 | 95.1               | 0.90                 | 0.88               | 28                              | 5.8                                                  | 7                               | 748                              | 0.6                                                  | 2.3                                                    | 2.0                            | 1730                        | 84                                                                |
| 315                  | AXR 315MC2    | 320624        | 3571                 | 95.4                 | 95.3               | 0.90                 | 0.89               | 32                              | 5.6                                                  | 7                               | 842                              | 0.6                                                  | 2.2                                                    | 2.1                            | 1760                        | 84                                                                |
| 355                  | AXR 315MD2    | 320623        | 3573                 | 95.7                 | 95.6               | 0.90                 | 0.89               | 36                              | 5.8                                                  | 8                               | 949                              | 0.7                                                  | 2.3                                                    | 2.3                            | 1850                        | 84                                                                |
| 420                  | AXR 315ME2    | 320622        | 3575                 | 96.0                 | 96.0               | 0.90                 | 0.89               | 42                              | 5.9                                                  | 9                               | 1122                             | 0.6                                                  | 2.3                                                    | 2.6                            | 1950                        | 84                                                                |
| 430                  | AXR 315ME2    | 320621        | 3582                 | 96.2                 | 96.2               | 0.90                 | 0.90               | 43                              | 5.9                                                  | 9                               | 1146                             | 0.6                                                  | 2.2                                                    | 3.6                            | 2010                        | 84                                                                |
| 450                  | AXR 355MF2    | 360624        | 3570                 | 95.7                 | 95.7               | 0.91                 | 0.91               | 45                              | 5.8                                                  | 8                               | 1204                             | 0.8                                                  | 2.2                                                    | 4.2                            | 2340                        | 84                                                                |
| 500                  | AXR 355MF2    | 360623        | 3573                 | 95.9                 | 95.9               | 0.92                 | 0.91               | 50                              | 5.9                                                  | 9                               | 1336                             | 0.7                                                  | 2.3                                                    | 4.3                            | 2410                        | 84                                                                |
| 550                  | AXR 355MH2    | 360622        | 3576                 | 96.1                 | 96.1               | 0.92                 | 0.91               | 54                              | 6.0                                                  | 10                              | 1469                             | 0.7                                                  | 2.3                                                    | 4.6                            | 2510                        | 84                                                                |
| 570                  | AXR 355MH2    | 360621        | 3582                 | 96.3                 | 96.3               | 0.92                 | 0.92               | 56                              | 6.1                                                  | 10                              | 1520                             | 0.6                                                  | 2.2                                                    | 6.2                            | 2600                        | 84                                                                |
| 630                  | AXR 400MF2    | 410625        | 3576                 | 96.2                 | 96.1               | 0.91                 | 0.91               | 62                              | 6.1                                                  | 11                              | 1682                             | 0.7                                                  | 2.4                                                    | 7.7                            | 3120                        | 85                                                                |
| 710                  | AXR 400MH2    | 410624        | 3576                 | 96.3                 | 96.3               | 0.92                 | 0.91               | 70                              | 6.1                                                  | 12                              | 1896                             | 0.7                                                  | 2.3                                                    | 8.4                            | 3280                        | 85                                                                |
| 800                  | AXR 400MK2    | 410623        | 3578                 | 96.5                 | 96.5               | 0.92                 | 0.92               | 78                              | 6.3                                                  | 13                              | 2135                             | 0.7                                                  | 2.4                                                    | 9.3                            | 3530                        | 85                                                                |
| 860                  | AXR 400MK2    | 410622        | 3579                 | 96.6                 | 96.6               | 0.91                 | 0.91               | 85                              | 6.4                                                  | 16                              | 2295                             | 0.7                                                  | 2.4                                                    | 9.6                            | 3580                        | 85                                                                |
| 890                  | AXR 400MK2    | 410621        | 3584                 | 96.8                 | 96.7               | 0.91                 | 0.91               | 88                              | 6.5                                                  | 15                              | 2372                             | 0.7                                                  | 2.3                                                    | 12.4                           | 3700                        | 85                                                                |
| 950                  | AXR 450MK2    | 460624        | 3579                 | 96.4                 | 96.3               | 0.91                 | 0.91               | 94                              | 6.0                                                  | 17                              | 2535                             | 0.6                                                  | 2.4                                                    | 14.9                           | 4980                        | 85                                                                |
| 1050                 | AXR 450ML2    | 460623        | 3581                 | 96.6                 | 96.4               | 0.90                 | 0.90               | 105                             | 6.1                                                  | 20                              | 2800                             | 0.6                                                  | 2.4                                                    | 16.2                           | 5230                        | 85                                                                |
| 1140                 | AXR 450MN2    | 460622        | 3581                 | 96.7                 | 96.5               | 0.91                 | 0.91               | 112                             | 6.3                                                  | 21                              | 3040                             | 0.6                                                  | 2.5                                                    | 17.9                           | 5450                        | 85                                                                |
| 1180                 | AXR 450MN2    | 460621        | 3586                 | 96.8                 | 96.7               | 0.91                 | 0.91               | 116                             | 6.3                                                  | 21                              | 3143                             | 0.6                                                  | 2.4                                                    | 22.7                           | 5610                        | 85                                                                |
| 1250                 | AXR 500MM2    | 510624        | 3583                 | 96.5                 | 96.2               | 0.92                 | 0.92               | 122                             | 6.0                                                  | 21                              | 3332                             | 0.6                                                  | 2.3                                                    | 24.7                           | 6540                        | 85                                                                |
| 1400                 | AXR 500MP2    | 510623        | 3584                 | 96.7                 | 96.4               | 0.93                 | 0.93               | 136                             | 6.2                                                  | 23                              | 3730                             | 0.6                                                  | 2.3                                                    | 26.7                           | 6880                        | 85                                                                |
| 1500                 | AXR 500MR2    | 510622        | 3583                 | 96.7                 | 96.5               | 0.92                 | 0.92               | 146                             | 6.1                                                  | 24                              | 3998                             | 0.6                                                  | 2.2                                                    | 30.8                           | 7390                        | 85                                                                |
| 1580                 | AXR 500MR2    | 510621        | 3587                 | 96.9                 | 96.7               | 0.92                 | 0.93               | 153                             | 6.1                                                  | 24                              | 4206                             | 0.6                                                  | 2.2                                                    | 39.0                           | 7580                        | 85                                                                |

# Rib cooled motors, type AXR and HXR 560

## Technical data

—  
IP55, IC411, insulation class F, temperature rise class B  
6600 V, 60 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>$L_p$<br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|----------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_S$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_S$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                    |
| 1800 r/min = 4 poles |               |               |                      | 6600 V 60 Hz         |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                    |
| 160                  | AXR 315MB4    | 320649        | 1783                 | 93.8                 | 93.2               | 0.78                 | 0.72               | 19               | 6.1                    | 10               | 857               | 1.0                    | 2.7                        | 3.1                            | 1660                        | 81                                                 |
| 200                  | AXR 315MB4    | 320648        | 1783                 | 94.4                 | 94.0               | 0.81                 | 0.77               | 23               | 5.9                    | 10               | 1071              | 1.0                    | 2.3                        | 3.0                            | 1660                        | 81                                                 |
| 224                  | AXR 315MB4    | 320647        | 1782                 | 94.5                 | 94.3               | 0.83                 | 0.79               | 25               | 5.8                    | 10               | 1200              | 0.9                    | 2.3                        | 3.0                            | 1660                        | 81                                                 |
| 250                  | AXR 315MB4    | 320646        | 1782                 | 94.8                 | 94.6               | 0.82                 | 0.78               | 28               | 5.7                    | 12               | 1340              | 1.0                    | 2.2                        | 3.0                            | 1680                        | 81                                                 |
| 280                  | AXR 315MC4    | 320645        | 1783                 | 95.1                 | 95.0               | 0.82                 | 0.78               | 31               | 5.7                    | 13               | 1500              | 0.9                    | 2.2                        | 3.5                            | 1770                        | 81                                                 |
| 315                  | AXR 315MD4    | 320644        | 1784                 | 95.4                 | 95.2               | 0.81                 | 0.77               | 36               | 5.8                    | 15               | 1686              | 0.9                    | 2.2                        | 3.9                            | 1860                        | 81                                                 |
| 355                  | AXR 315ME4    | 320643        | 1784                 | 95.5                 | 95.4               | 0.82                 | 0.77               | 40               | 5.9                    | 17               | 1901              | 0.9                    | 2.3                        | 4.1                            | 1910                        | 81                                                 |
| 400                  | AXR 315ME4    | 320642        | 1786                 | 95.8                 | 95.6               | 0.81                 | 0.75               | 45               | 6.0                    | 21               | 2138              | 0.9                    | 2.4                        | 4.2                            | 1950                        | 81                                                 |
| 435                  | AXR 315ME4    | 320641        | 1790                 | 96.0                 | 95.8               | 0.83                 | 0.79               | 48               | 6.1                    | 19               | 2320              | 0.8                    | 2.3                        | 5.6                            | 2020                        | 81                                                 |
| 450                  | AXR 355MF4    | 360643        | 1784                 | 95.7                 | 95.6               | 0.85                 | 0.82               | 48               | 6.0                    | 17               | 2408              | 1.0                    | 2.2                        | 6.1                            | 2330                        | 81                                                 |
| 500                  | AXR 355MG4    | 360653        | 1785                 | 95.9                 | 95.8               | 0.85                 | 0.82               | 53               | 5.8                    | 18               | 2675              | 0.9                    | 2.1                        | 6.7                            | 2460                        | 81                                                 |
| 550                  | AXR 355MH4    | 360642        | 1785                 | 96.0                 | 95.9               | 0.85                 | 0.82               | 59               | 5.8                    | 20               | 2942              | 0.9                    | 2.1                        | 7.2                            | 2550                        | 81                                                 |
| 600                  | AXR 355MH4    | 360641        | 1791                 | 96.1                 | 95.9               | 0.82                 | 0.78               | 67               | 6.0                    | 27               | 3199              | 0.7                    | 2.2                        | 9.2                            | 2640                        | 81                                                 |
| 630                  | AXR 400MG4    | 410645        | 1787                 | 96.1                 | 96.0               | 0.88                 | 0.86               | 65               | 5.9                    | 19               | 3366              | 0.7                    | 2.2                        | 11.3                           | 3140                        | 83                                                 |
| 710                  | AXR 400MH4    | 410644        | 1787                 | 96.3                 | 96.2               | 0.89                 | 0.87               | 72               | 6.0                    | 20               | 3794              | 0.8                    | 2.2                        | 12.6                           | 3320                        | 83                                                 |
| 770                  | AXR 400MJ4    | 410643        | 1787                 | 96.4                 | 96.3               | 0.89                 | 0.87               | 79               | 5.9                    | 21               | 4114              | 0.7                    | 2.2                        | 13.4                           | 3450                        | 83                                                 |
| 860                  | AXR 400ML4    | 410642        | 1788                 | 96.5                 | 96.4               | 0.89                 | 0.87               | 88               | 5.9                    | 24               | 4594              | 0.7                    | 2.2                        | 15.1                           | 3680                        | 83                                                 |
| 920                  | AXR 400ML4    | 420101        | 1792                 | 96.7                 | 96.5               | 0.89                 | 0.88               | 93               | 6.1                    | 24               | 4902              | 0.6                    | 2.1                        | 20.2                           | 3840                        | 83                                                 |
| 1000                 | AXR 450MK4    | 460644        | 1790                 | 96.5                 | 96.2               | 0.86                 | 0.83               | 106              | 5.9                    | 35               | 5335              | 0.7                    | 2.2                        | 25.4                           | 4940                        | 83                                                 |
| 1100                 | AXR 450MM4    | 460643        | 1791                 | 96.6                 | 96.4               | 0.86                 | 0.83               | 116              | 6.0                    | 39               | 5866              | 0.7                    | 2.2                        | 26.9                           | 5140                        | 83                                                 |
| 1200                 | AXR 450MN4    | 460642        | 1791                 | 96.7                 | 96.5               | 0.86                 | 0.83               | 126              | 6.0                    | 42               | 6399              | 0.7                    | 2.2                        | 29.0                           | 5390                        | 83                                                 |
| 1250                 | AXR 450MN4    | 460641        | 1794                 | 96.8                 | 96.5               | 0.87                 | 0.85               | 129              | 6.2                    | 39               | 6655              | 0.7                    | 2.2                        | 38.0                           | 5600                        | 83                                                 |
| 1400                 | AXR 500ML4    | 510644        | 1790                 | 96.7                 | 96.5               | 0.88                 | 0.85               | 144              | 6.0                    | 44               | 7469              | 0.7                    | 2.3                        | 37.1                           | 6500                        | 84                                                 |
| 1600                 | AXR 500MP4    | 510643        | 1790                 | 96.9                 | 96.8               | 0.88                 | 0.86               | 163              | 5.9                    | 47               | 8534              | 0.6                    | 2.3                        | 42.5                           | 7000                        | 84                                                 |
| 1700                 | AXR 500MR4    | 510642        | 1791                 | 96.9                 | 96.8               | 0.88                 | 0.86               | 174              | 6.2                    | 54               | 9063              | 0.7                    | 2.4                        | 47.2                           | 7360                        | 84                                                 |
| 1750                 | AXR 500MR4    | 510641        | 1794                 | 96.9                 | 96.7               | 0.88                 | 0.86               | 180              | 6.3                    | 51               | 9315              | 0.6                    | 2.2                        | 62.7                           | 7640                        | 84                                                 |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
6600 V, 60 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|----------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_S$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_S$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                    |
| 1200 r/min = 6 poles |               |               |                      | 6600 V 60 Hz         |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                    |
| 160                  | AXR 315MC6    | 320666        | 1188                 | 94.3                 | 93.9               | 0.73                 | 0.65               | 20               | 6.0                    | 12               | 1286              | 1.0                    | 2.9                        | 3.5                            | 1770                        | 76                                                 |
| 200                  | AXR 315MD6    | 320665        | 1186                 | 94.6                 | 94.4               | 0.78                 | 0.71               | 24               | 6.1                    | 12               | 1610              | 1.1                    | 2.7                        | 3.7                            | 1810                        | 76                                                 |
| 224                  | AXR 315MD6    | 320664        | 1189                 | 94.9                 | 94.7               | 0.76                 | 0.70               | 27               | 5.9                    | 14               | 1800              | 1.1                    | 2.5                        | 3.8                            | 1830                        | 76                                                 |
| 250                  | AXR 315MD6    | 320663        | 1188                 | 95.1                 | 94.9               | 0.76                 | 0.69               | 30               | 5.9                    | 16               | 2009              | 1.1                    | 2.5                        | 4.0                            | 1870                        | 76                                                 |
| 280                  | AXR 315ME6    | 320662        | 1188                 | 95.2                 | 95.1               | 0.78                 | 0.72               | 33               | 5.7                    | 17               | 2251              | 1.1                    | 2.4                        | 4.3                            | 1940                        | 76                                                 |
| 315                  | AXR 315ME6    | 320661        | 1192                 | 95.6                 | 95.6               | 0.79                 | 0.74               | 36               | 5.5                    | 17               | 2523              | 0.8                    | 2.1                        | 5.7                            | 2000                        | 76                                                 |
| 355                  | AXR 355MG6    | 360663        | 1188                 | 95.2                 | 95.0               | 0.80                 | 0.75               | 41               | 5.6                    | 19               | 2854              | 0.9                    | 2.3                        | 6.6                            | 2420                        | 79                                                 |
| 410                  | AXR 355MH6    | 360662        | 1189                 | 95.4                 | 95.1               | 0.78                 | 0.72               | 48               | 6.0                    | 24               | 3293              | 1.1                    | 2.5                        | 7.3                            | 2550                        | 79                                                 |
| 460                  | AXR 355MH6    | 360661        | 1193                 | 95.8                 | 95.6               | 0.80                 | 0.75               | 53               | 5.9                    | 24               | 3682              | 0.8                    | 2.3                        | 9.5                            | 2640                        | 79                                                 |
| 500                  | AXR 400MJ6    | 420020        | 1190                 | 95.7                 | 95.5               | 0.83                 | 0.78               | 55               | 5.7                    | 22               | 4013              | 0.9                    | 2.3                        | 12.5                           | 3240                        | 79                                                 |
| 560                  | AXR 400ML6    | 420022        | 1189                 | 95.8                 | 95.7               | 0.84                 | 0.81               | 61               | 5.4                    | 22               | 4497              | 0.8                    | 2.1                        | 14.4                           | 3500                        | 79                                                 |
| 630                  | AXR 400MM6    | 420110        | 1193                 | 96.0                 | 95.6               | 0.78                 | 0.71               | 74               | 6.1                    | 37               | 5044              | 1.0                    | 2.5                        | 15.4                           | 3690                        | 79                                                 |
| 675                  | AXR 400MM6    | 420109        | 1195                 | 96.2                 | 95.8               | 0.81                 | 0.76               | 76               | 6.3                    | 34               | 5395              | 0.8                    | 2.4                        | 20.3                           | 3840                        | 79                                                 |
| 710                  | AXR 450MH6    | 460665        | 1191                 | 96.1                 | 96.1               | 0.87                 | 0.85               | 74               | 5.9                    | 24               | 5691              | 0.8                    | 2.3                        | 30.0                           | 4460                        | 82                                                 |
| 800                  | AXR 450MK6    | 460664        | 1192                 | 96.3                 | 96.2               | 0.87                 | 0.85               | 83               | 5.8                    | 27               | 6411              | 0.7                    | 2.3                        | 34.0                           | 4750                        | 82                                                 |
| 900                  | AXR 450MM6    | 460663        | 1192                 | 96.4                 | 96.3               | 0.86                 | 0.83               | 95               | 5.9                    | 32               | 7208              | 0.7                    | 2.3                        | 38.4                           | 5070                        | 82                                                 |
| 1000                 | AXR 450MP6    | 460662        | 1192                 | 96.5                 | 96.4               | 0.88                 | 0.85               | 104              | 5.9                    | 32               | 8011              | 0.7                    | 2.3                        | 43.4                           | 5400                        | 82                                                 |
| 1050                 | AXR 450MP6    | 460661        | 1194                 | 96.6                 | 96.5               | 0.88                 | 0.86               | 108              | 6.0                    | 31               | 8395              | 0.8                    | 2.1                        | 56.0                           | 5630                        | 82                                                 |
| 1120                 | AXR 500ML6    | 510665        | 1192                 | 96.5                 | 96.4               | 0.85                 | 0.82               | 119              | 5.8                    | 42               | 8970              | 0.7                    | 2.3                        | 50.7                           | 6300                        | 82                                                 |
| 1250                 | AXR 500MN6    | 510664        | 1193                 | 96.7                 | 96.6               | 0.85                 | 0.82               | 132              | 5.9                    | 47               | 10006             | 0.7                    | 2.4                        | 55.5                           | 6650                        | 82                                                 |
| 1400                 | AXR 500MQ6    | 510663        | 1193                 | 96.8                 | 96.7               | 0.86                 | 0.83               | 147              | 5.9                    | 51               | 11207             | 0.7                    | 2.4                        | 62.8                           | 7090                        | 82                                                 |
| 1550                 | AXR 500MS6    | 510662        | 1193                 | 96.9                 | 96.8               | 0.86                 | 0.83               | 163              | 6.1                    | 58               | 12405             | 0.7                    | 2.4                        | 70.3                           | 7540                        | 82                                                 |
| 1650                 | AXR 500MS6    | 510661        | 1196                 | 97.0                 | 96.9               | 0.86                 | 0.84               | 172              | 6.1                    | 56               | 13176             | 0.7                    | 2.2                        | 92.6                           | 7880                        | 82                                                 |

# Rib cooled motors, type AXR and HXR 560

## Technical data

IP55, IC411, insulation class F, temperature rise class B  
6600 V, 60 Hz

| Output<br><br>(kW)  | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>$L_p$<br><br>(dB(A)) |
|---------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|----------------------------------------------------|
|                     |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_S$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_S$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                    |
|                     |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                    |
| 900 r/min = 8 poles |               |               |                      | 6600 V 60 Hz         |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                    |
| 160                 | AXR 400MC8    | 410689        | 891                  | 93.8                 | 93.3               | 0.76                 | 0.70               | 20               | 4.6                    | 10               | 1716              | 0.7                    | 2.1                        | 9.3                            | 2750                        | 77                                                 |
| 200                 | AXR 400MD8    | 410688        | 890                  | 94.1                 | 93.7               | 0.76                 | 0.70               | 25               | 4.5                    | 12               | 2145              | 0.7                    | 2.0                        | 9.7                            | 2800                        | 77                                                 |
| 250                 | AXR 400ME8    | 410687        | 890                  | 94.4                 | 94.2               | 0.77                 | 0.72               | 30               | 4.3                    | 14               | 2684              | 0.7                    | 1.9                        | 10.7                           | 2940                        | 77                                                 |
| 280                 | AXR 400MF8    | 410686        | 889                  | 94.5                 | 94.3               | 0.77                 | 0.72               | 34               | 4.2                    | 15               | 3006              | 0.7                    | 1.8                        | 11.2                           | 3020                        | 77                                                 |
| 315                 | AXR 400MG8    | 410685        | 889                  | 94.6                 | 94.5               | 0.77                 | 0.73               | 38               | 4.2                    | 17               | 3383              | 0.7                    | 1.8                        | 11.9                           | 3110                        | 77                                                 |
| 355                 | AXR 400MJ8    | 410684        | 889                  | 94.8                 | 94.7               | 0.78                 | 0.74               | 42               | 4.0                    | 17               | 3815              | 0.6                    | 1.7                        | 13.3                           | 3290                        | 77                                                 |
| 400                 | AXR 400MK8    | 410683        | 889                  | 94.9                 | 94.8               | 0.78                 | 0.74               | 47               | 4.0                    | 20               | 4298              | 0.7                    | 1.7                        | 14.2                           | 3410                        | 77                                                 |
| 440                 | AXR 400ML8    | 410682        | 889                  | 95.0                 | 95.0               | 0.78                 | 0.75               | 52               | 4.0                    | 21               | 4728              | 0.7                    | 1.7                        | 15.9                           | 3640                        | 77                                                 |
| 520                 | AXR 400ML8    | 410681        | 894                  | 95.6                 | 95.3               | 0.78                 | 0.72               | 61               | 4.9                    | 29               | 5555              | 0.7                    | 2.1                        | 19.9                           | 3760                        | 77                                                 |
| 560                 | AXR 450MH8    | 460685        | 892                  | 95.6                 | 95.4               | 0.82                 | 0.78               | 62               | 5.5                    | 26               | 5993              | 0.9                    | 2.3                        | 32.5                           | 4570                        | 79                                                 |
| 630                 | AXR 450ML8    | 460684        | 892                  | 95.8                 | 95.6               | 0.83                 | 0.79               | 69               | 5.5                    | 27               | 6742              | 0.9                    | 2.2                        | 37.2                           | 4890                        | 79                                                 |
| 710                 | AXR 450MP8    | 460683        | 893                  | 95.8                 | 95.5               | 0.81                 | 0.76               | 80               | 5.8                    | 36               | 7589              | 0.9                    | 2.4                        | 43.4                           | 5300                        | 79                                                 |
| 750                 | AXR 450MQ8    | 460682        | 894                  | 95.8                 | 95.5               | 0.79                 | 0.74               | 86               | 6.0                    | 41               | 8013              | 0.9                    | 2.5                        | 45.5                           | 5450                        | 79                                                 |
| 830                 | AXR 450MQ8    | 460681        | 896                  | 96.1                 | 95.8               | 0.82                 | 0.77               | 92               | 6.0                    | 40               | 8849              | 0.7                    | 2.4                        | 57.4                           | 5670                        | 79                                                 |
| 900                 | AXR 500MM8    | 501685        | 894                  | 96.3                 | 96.1               | 0.81                 | 0.76               | 101              | 5.9                    | 44               | 9611              | 0.8                    | 2.4                        | 52.7                           | 6380                        | 76                                                 |
| 1000                | AXR 500MP8    | 501684        | 894                  | 96.4                 | 96.3               | 0.83                 | 0.78               | 110              | 5.9                    | 45               | 10680             | 0.8                    | 2.3                        | 60.1                           | 6820                        | 76                                                 |
| 1100                | AXR 500MR8    | 501683        | 894                  | 96.5                 | 96.3               | 0.83                 | 0.79               | 120              | 5.9                    | 49               | 11747             | 0.8                    | 2.4                        | 67.4                           | 7250                        | 76                                                 |
| 1150                | AXR 500MS8    | 501682        | 895                  | 96.5                 | 96.3               | 0.80                 | 0.75               | 130              | 5.9                    | 60               | 12272             | 0.8                    | 2.5                        | 72.6                           | 7570                        | 76                                                 |
| 1300                | AXR 500MS8    | 501681        | 897                  | 96.8                 | 96.6               | 0.82                 | 0.78               | 143              | 6.0                    | 59               | 13843             | 0.6                    | 2.3                        | 94.9                           | 7900                        | 76                                                 |

# Rib cooled motors, type AXR and HXR 560

## Technical data

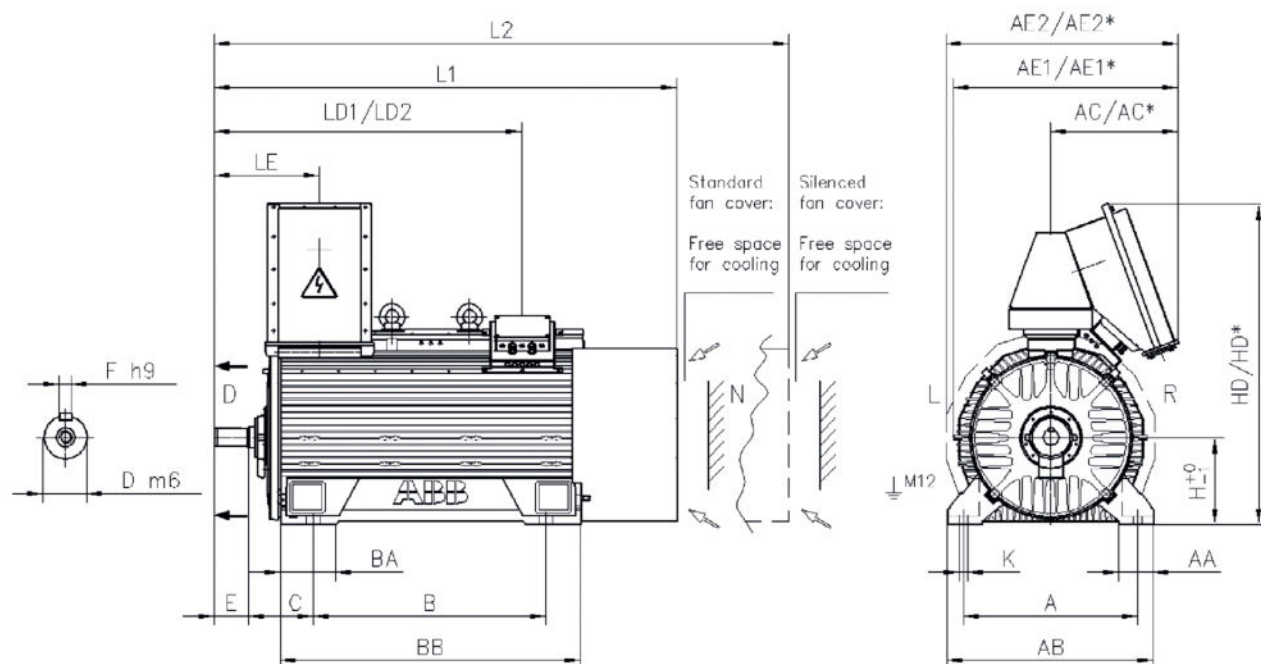
IP55, IC411, insulation class F, temperature rise class B  
6600 V, 60 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 720 r/min = 10 poles |               |               |                      | 6600 V 60 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 160                  | AXR 400ME10   | 4106107       | 709                  | 92.6                 | 91.9               | 0.68                 | 0.61               | 22                              | 4.2                                                  | 13                              | 2155                             | 0.8                                                  | 2.1                                                    | 11.0                           | 2950                        | 75                                                                |
| 200                  | AXR 400MF10   | 4106106       | 707                  | 92.8                 | 92.6               | 0.71                 | 0.66               | 26                              | 3.7                                                  | 14                              | 2702                             | 0.7                                                  | 1.8                                                    | 11.4                           | 3000                        | 75                                                                |
| 224                  | AXR 400MG10   | 4106105       | 710                  | 93.3                 | 92.9               | 0.70                 | 0.64               | 30                              | 3.8                                                  | 16                              | 3014                             | 0.7                                                  | 1.8                                                    | 11.8                           | 3090                        | 75                                                                |
| 250                  | AXR 400MJ10   | 4106104       | 710                  | 93.5                 | 93.1               | 0.71                 | 0.65               | 33                              | 3.8                                                  | 18                              | 3364                             | 0.7                                                  | 1.8                                                    | 13.4                           | 3300                        | 75                                                                |
| 280                  | AXR 400MK10   | 4106103       | 710                  | 93.6                 | 93.2               | 0.70                 | 0.64               | 37                              | 3.9                                                  | 20                              | 3765                             | 0.8                                                  | 1.9                                                    | 15.0                           | 3510                        | 75                                                                |
| 315                  | AXR 400MM10   | 4106102       | 711                  | 93.9                 | 93.5               | 0.70                 | 0.64               | 42                              | 3.9                                                  | 23                              | 4234                             | 0.7                                                  | 1.9                                                    | 15.8                           | 3650                        | 75                                                                |
| 355                  | AXR 400MM10   | 4106101       | 715                  | 94.4                 | 93.9               | 0.68                 | 0.61               | 48                              | 4.2                                                  | 28                              | 4741                             | 0.6                                                  | 2.0                                                    | 20.0                           | 3770                        | 75                                                                |
| 355                  | AXR 450MF10   | 4606107       | 713                  | 95.0                 | 95.0               | 0.75                 | 0.70               | 43                              | 4.2                                                  | 21                              | 4754                             | 0.7                                                  | 1.8                                                    | 26.2                           | 4120                        | 76                                                                |
| 400                  | AXR 450MG10   | 4606106       | 713                  | 95.1                 | 95.2               | 0.76                 | 0.71               | 48                              | 4.2                                                  | 23                              | 5358                             | 0.7                                                  | 1.8                                                    | 28.7                           | 4300                        | 76                                                                |
| 440                  | AXR 450MH10   | 4606105       | 713                  | 95.3                 | 95.3               | 0.77                 | 0.72               | 53                              | 4.2                                                  | 24                              | 5893                             | 0.7                                                  | 1.8                                                    | 32.0                           | 4530                        | 76                                                                |
| 500                  | AXR 450MK10   | 4606104       | 713                  | 95.4                 | 95.5               | 0.77                 | 0.73               | 60                              | 4.2                                                  | 27                              | 6696                             | 0.7                                                  | 1.8                                                    | 35.8                           | 4790                        | 76                                                                |
| 560                  | AXR 450MN10   | 4606103       | 713                  | 95.6                 | 95.6               | 0.77                 | 0.73               | 66                              | 4.3                                                  | 29                              | 7498                             | 0.7                                                  | 1.8                                                    | 41.2                           | 5170                        | 76                                                                |
| 630                  | AXR 450MP10   | 4606102       | 714                  | 95.7                 | 95.6               | 0.75                 | 0.69               | 77                              | 4.7                                                  | 38                              | 8426                             | 0.8                                                  | 2.0                                                    | 44.6                           | 5400                        | 76                                                                |
| 670                  | AXR 450MP10   | 4606101       | 716                  | 95.9                 | 95.8               | 0.77                 | 0.72               | 79                              | 4.6                                                  | 36                              | 8939                             | 0.7                                                  | 1.8                                                    | 57.4                           | 5630                        | 76                                                                |
| 710                  | AXR 500ML10   | 5106105       | 714                  | 95.6                 | 95.4               | 0.76                 | 0.70               | 86                              | 5.0                                                  | 43                              | 9496                             | 0.9                                                  | 2.1                                                    | 52.6                           | 6270                        | 78                                                                |
| 800                  | AXR 500MN10   | 5106104       | 714                  | 95.7                 | 95.6               | 0.77                 | 0.72               | 95                              | 4.8                                                  | 44                              | 10705                            | 0.8                                                  | 1.9                                                    | 59.1                           | 6630                        | 78                                                                |
| 900                  | AXR 500MR10   | 5106103       | 715                  | 95.9                 | 95.6               | 0.75                 | 0.68               | 110                             | 5.4                                                  | 57                              | 12028                            | 1.0                                                  | 2.2                                                    | 69.4                           | 7220                        | 78                                                                |
| 1000                 | AXR 500MS10   | 5106102       | 715                  | 95.9                 | 95.6               | 0.74                 | 0.67               | 124                             | 5.6                                                  | 68                              | 13359                            | 1.0                                                  | 2.3                                                    | 75.8                           | 7590                        | 78                                                                |
| 1120                 | AXR 500MS10   | 5106101       | 717                  | 96.3                 | 96.0               | 0.76                 | 0.71               | 134                             | 5.4                                                  | 65                              | 14924                            | 0.7                                                  | 2.1                                                    | 94.1                           | 7860                        | 78                                                                |
| 600 r/min = 12 poles |               |               |                      | 6600 V 60 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 200                  | AXR 400MH12   | 4106124       | 593                  | 92.7                 | 92.1               | 0.68                 | 0.60               | 28                              | 4.6                                                  | 17                              | 3223                             | 1.0                                                  | 2.2                                                    | 19.9                           | 3250                        | 74                                                                |
| 224                  | AXR 400MK12   | 4106123       | 592                  | 92.9                 | 92.4               | 0.69                 | 0.61               | 31                              | 4.5                                                  | 18                              | 3612                             | 1.0                                                  | 2.1                                                    | 21.2                           | 3370                        | 74                                                                |
| 260                  | AXR 400MM12   | 4106122       | 593                  | 93.1                 | 92.6               | 0.68                 | 0.61               | 36                              | 4.6                                                  | 22                              | 4190                             | 1.0                                                  | 2.2                                                    | 24.2                           | 3630                        | 74                                                                |
| 290                  | AXR 400MM12   | 4106121       | 596                  | 93.8                 | 93.3               | 0.69                 | 0.62               | 39                              | 4.6                                                  | 23                              | 4649                             | 0.8                                                  | 2.0                                                    | 30.3                           | 3760                        | 74                                                                |
| 315                  | AXR 450MJ12   | 4606124       | 593                  | 93.9                 | 93.5               | 0.71                 | 0.65               | 41                              | 4.2                                                  | 22                              | 5076                             | 0.8                                                  | 2.0                                                    | 34.6                           | 4660                        | 75                                                                |
| 355                  | AXR 450ML12   | 4606123       | 593                  | 94.0                 | 93.6               | 0.70                 | 0.64               | 47                              | 4.4                                                  | 27                              | 5715                             | 0.9                                                  | 2.1                                                    | 39.9                           | 5020                        | 75                                                                |
| 410                  | AXR 450MP12   | 4606122       | 592                  | 94.2                 | 94.0               | 0.73                 | 0.67               | 52                              | 4.1                                                  | 27                              | 6609                             | 0.8                                                  | 1.9                                                    | 46.1                           | 5430                        | 75                                                                |
| 450                  | AXR 450MP12   | 4606121       | 596                  | 94.6                 | 94.0               | 0.69                 | 0.63               | 60                              | 4.6                                                  | 34                              | 7211                             | 0.8                                                  | 2.0                                                    | 56.6                           | 5620                        | 75                                                                |
| 500                  | AXR 500MK12   | 5106125       | 594                  | 94.5                 | 94.1               | 0.72                 | 0.66               | 65                              | 4.1                                                  | 34                              | 8035                             | 0.7                                                  | 1.8                                                    | 50.0                           | 6180                        | 75                                                                |
| 550                  | AXR 500MN12   | 5106124       | 594                  | 94.6                 | 94.2               | 0.72                 | 0.67               | 70                              | 4.1                                                  | 36                              | 8839                             | 0.7                                                  | 1.8                                                    | 57.0                           | 6580                        | 75                                                                |
| 600                  | AXR 500MQ12   | 5106123       | 594                  | 94.7                 | 94.3               | 0.72                 | 0.67               | 77                              | 4.2                                                  | 40                              | 9639                             | 0.7                                                  | 1.8                                                    | 64.6                           | 7020                        | 75                                                                |
| 680                  | AXR 500MS12   | 5106122       | 594                  | 94.8                 | 94.4               | 0.73                 | 0.67               | 86                              | 4.2                                                  | 44                              | 10924                            | 0.7                                                  | 1.8                                                    | 75.3                           | 7640                        | 75                                                                |
| 740                  | AXR 500MS12   | 5106121       | 597                  | 95.1                 | 94.5               | 0.71                 | 0.65               | 96                              | 4.5                                                  | 53                              | 11833                            | 0.6                                                  | 1.9                                                    | 95.7                           | 7910                        | 75                                                                |

# Rib cooled motors, type AXR

## Dimension drawings

IEC, antifriction bearings,  $1 < U_N \leq 11$  kV, IM 1001, IC411



| AXR  | Poles    | A    | B    | C   | D   | E   | F  | H   | K  | AA  | AB   | BA  | BB   | L1   | L2   | LD1  | LD2  | LE  |
|------|----------|------|------|-----|-----|-----|----|-----|----|-----|------|-----|------|------|------|------|------|-----|
| 315M | 2        | 710  | 800  | 280 | 70  | 140 | 20 | 315 | 35 | 140 | 800  | 236 | 1070 | 1755 | 2215 | 1175 | 925  | 445 |
| 315M | $\geq 4$ | 710  | 800  | 280 | 80  | 170 | 22 | 315 | 35 | 140 | 800  | 236 | 1070 | 1785 | 2245 | 1205 | 955  | 475 |
| 355M | 2        | 710  | 950  | 265 | 70  | 140 | 20 | 355 | 35 | 140 | 840  | 226 | 1225 | 1895 | 2355 | 1260 | 960  | 430 |
| 355M | $\geq 4$ | 710  | 950  | 265 | 90  | 170 | 25 | 355 | 35 | 140 | 840  | 226 | 1225 | 1925 | 2385 | 1290 | 990  | 460 |
| 400M | 2        | 800  | 1250 | 224 | 80  | 170 | 22 | 400 | 35 | 160 | 900  | 229 | 1430 | 2145 | 2670 | 1525 | 1075 | 470 |
| 400M | $\geq 4$ | 800  | 1250 | 224 | 110 | 210 | 28 | 400 | 35 | 160 | 900  | 229 | 1430 | 2185 | 2710 | 1565 | 1115 | 510 |
| 450M | 2        | 900  | 1250 | 355 | 90  | 170 | 25 | 450 | 42 | 170 | 1050 | 285 | 1610 | 2365 | 2935 | 1705 | 1405 | 500 |
| 450M | $\geq 4$ | 900  | 1250 | 355 | 110 | 210 | 28 | 450 | 42 | 170 | 1050 | 285 | 1610 | 2405 | 2975 | 1745 | 1445 | 540 |
| 500M | 2        | NA   | NA   | NA  | NA  | NA  | NA | NA  | NA | NA  | NA   | NA  | NA   | NA   | NA   | NA   | NA   | NA  |
| 500M | $\geq 4$ | 1120 | 1500 | 315 | 140 | 250 | 36 | 500 | 42 | 200 | 1250 | 266 | 1780 | 2720 | 3325 | 1985 | 1535 | 590 |

| AXR  | Poles    | AC  | AC <sup>*)</sup> | AE1  | AE1 <sup>*)</sup> | AE2  | AE2 <sup>*)</sup> | HD   | HD <sup>*)</sup> |
|------|----------|-----|------------------|------|-------------------|------|-------------------|------|------------------|
| 315M | 2        | 525 | NA               | 910  | NA                | 940  | NA                | 1260 | NA               |
| 315M | $\geq 4$ | 525 | NA               | 910  | NA                | 940  | NA                | 1260 | NA               |
| 355M | 2        | 525 | NA               | 920  | NA                | 960  | NA                | 1310 | NA               |
| 355M | $\geq 4$ | 525 | NA               | 920  | NA                | 960  | NA                | 1310 | NA               |
| 400M | 2        | 525 | 685              | 970  | 1130              | 1000 | 1160              | 1425 | 1610             |
| 400M | $\geq 4$ | 525 | 685              | 970  | 1130              | 1000 | 1160              | 1425 | 1610             |
| 450M | 2        | 525 | 685              | 1030 | 1190              | 1065 | 1220              | 1555 | 1745             |
| 450M | $\geq 4$ | 525 | 685              | 1030 | 1190              | 1065 | 1220              | 1555 | 1745             |
| 500M | 2        | NA  | NA               | NA   | NA                | NA   | NA                | NA   | NA               |
| 500M | $\geq 4$ | 525 | 685              | 1085 | 1245              | 1115 | 1275              | 1680 | 1870             |

<sup>\*)</sup> Dimension for 6.6 kV  $< U_N \leq 11$  kV

1) Standard fan cover

2) Silenced fan cover

Note: 450 2p antifriction bearing only available for 50 Hz

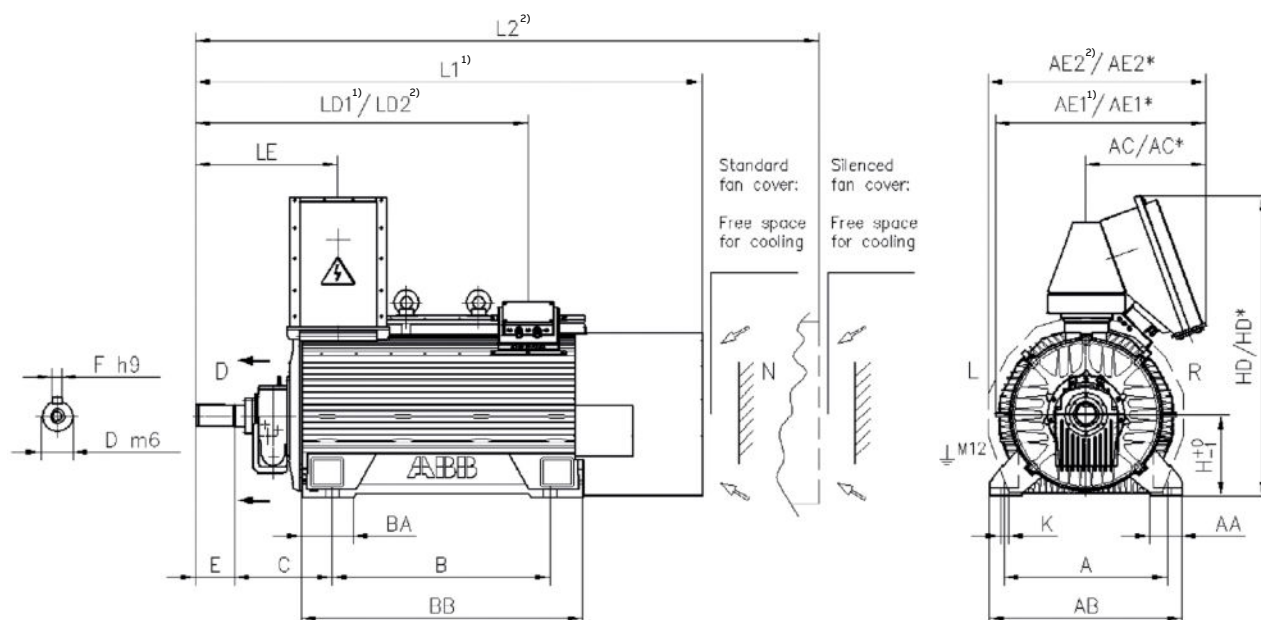
Note: 500 only available with  $\geq 4$ p

Table gives main dimensions in mm.

# Rib cooled motors, type AXR

## Dimension drawings

IEC, sleeve bearings, 1 < UN ≤ 11 kV, IM 1001, IC411



| AXR  | Poles | A    | B    | C   | D   | E   | F  | H   | K  | AA  | AB   | BA  | BB   | L1   | L2   | LD1  | LD2  | LE  |
|------|-------|------|------|-----|-----|-----|----|-----|----|-----|------|-----|------|------|------|------|------|-----|
| 315M | 2     | NA   | NA   | NA  | NA  | NA  | NA | NA  | NA | NA  | NA   | NA  | NA   | NA   | NA   | NA   | NA   | NA  |
| 315M | ≥4    | NA   | NA   | NA  | NA  | NA  | NA | NA  | NA | NA  | NA   | NA  | NA   | NA   | NA   | NA   | NA   | NA  |
| 355M | 2     | 710  | 950  | 425 | 70  | 140 | 20 | 355 | 35 | 140 | 840  | 226 | 1225 | 2180 | 2640 | 1420 | 1120 | 590 |
| 355M | ≥4    | 710  | 950  | 425 | 90  | 170 | 25 | 355 | 35 | 140 | 840  | 226 | 1225 | 2210 | 2670 | 1450 | 1150 | 620 |
| 400M | 2     | 800  | 1250 | 375 | 80  | 170 | 22 | 400 | 35 | 160 | 900  | 229 | 1430 | 2405 | 2930 | 1680 | 1225 | 625 |
| 400M | ≥4    | 800  | 1250 | 375 | 110 | 210 | 28 | 400 | 35 | 160 | 900  | 229 | 1430 | 2445 | 2970 | 1720 | 1270 | 660 |
| 450M | 2     | 900  | 1250 | 450 | 90  | 170 | 25 | 450 | 42 | 170 | 1050 | 285 | 1610 | 2520 | 3090 | 1800 | 1500 | 590 |
| 450M | ≥4    | 900  | 1250 | 450 | 110 | 210 | 28 | 450 | 42 | 170 | 1050 | 285 | 1610 | 2560 | 3130 | 1840 | 1540 | 630 |
| 500M | 2     | 1120 | 1500 | 425 | 100 | 210 | 28 | 500 | 42 | 200 | 1250 | 266 | 1780 | 2760 | 3365 | 2055 | 1605 | 660 |
| 500M | ≥4    | 1120 | 1500 | 560 | 140 | 250 | 36 | 500 | 42 | 200 | 1250 | 266 | 1780 | 3130 | 3735 | 2230 | 1780 | 830 |

| AXR  | Poles | AC  | AC <sup>*)</sup> | AE1  | AE1 <sup>*)</sup> | AE2  | AE2 <sup>*)</sup> | HD   | HD <sup>*)</sup> |
|------|-------|-----|------------------|------|-------------------|------|-------------------|------|------------------|
| 315M | 2     | NA  | NA               | NA   | NA                | NA   | NA                | NA   | NA               |
| 315M | ≥4    | NA  | NA               | NA   | NA                | NA   | NA                | NA   | NA               |
| 355M | 2     | 525 | NA               | 920  | NA                | 960  | NA                | 1310 | NA               |
| 355M | ≥4    | 525 | NA               | 920  | NA                | 960  | NA                | 1310 | NA               |
| 400M | 2     | 525 | 685              | 970  | 1130              | 1000 | 1160              | 1425 | 1610             |
| 400M | ≥4    | 525 | 685              | 970  | 1130              | 1000 | 1160              | 1425 | 1610             |
| 450M | 2     | 525 | 685              | 1030 | 1190              | 1065 | 1220              | 1555 | 1745             |
| 450M | ≥4    | 525 | 685              | 1030 | 1190              | 1065 | 1220              | 1555 | 1745             |
| 500M | 2     | 525 | 685              | 1085 | 1245              | 1115 | 1275              | 1680 | 1870             |
| 500M | ≥4    | 525 | 685              | 1085 | 1245              | 1115 | 1275              | 1680 | 1870             |

<sup>\*)</sup> Dimension for 6.6 kV < UN ≤ 11 kV

<sup>1)</sup> Standard fan cover

<sup>2)</sup> Silenced fan cover

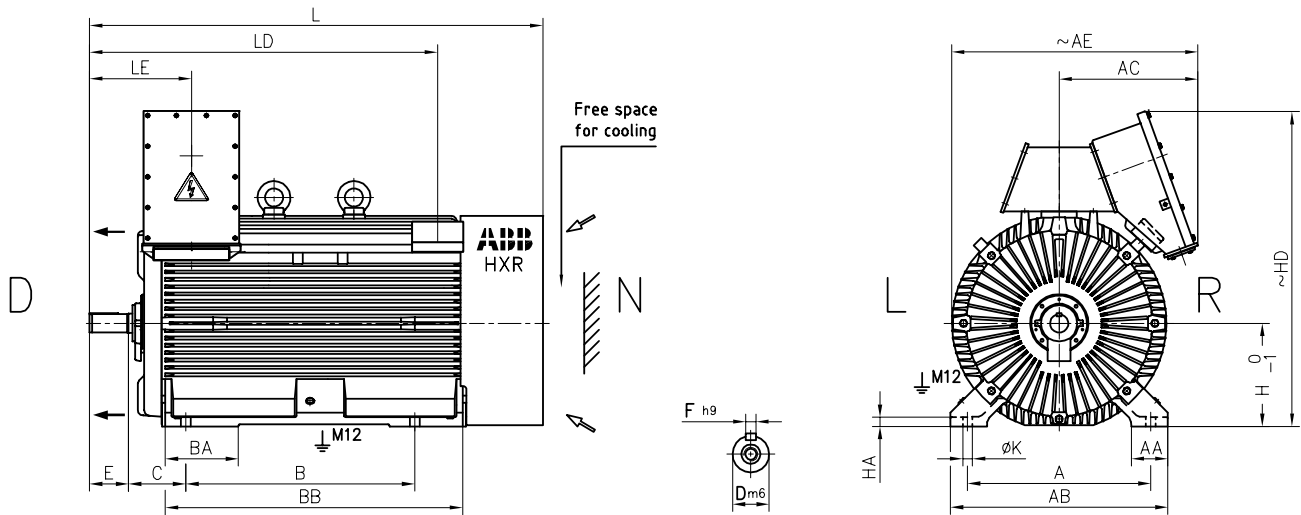
Note: Shaft height 315 not available

Table gives main dimensions in mm.

# Rib cooled motors, type HXR

## Dimension drawings

Antifriction bearings,  $1 < U_N \leq 6.6 \text{ kV}$ , IM 1001, IC411



| HXR  | Poles    | A    | B    | C   | D   | E   | F  | H   | AE   | HD   | L    | K  | LD   | LE  |
|------|----------|------|------|-----|-----|-----|----|-----|------|------|------|----|------|-----|
| 560L | $\geq 4$ | 1000 | 1600 | 400 | 160 | 300 | 40 | 560 | 1285 | 1655 | 3025 | 48 | 2355 | 630 |

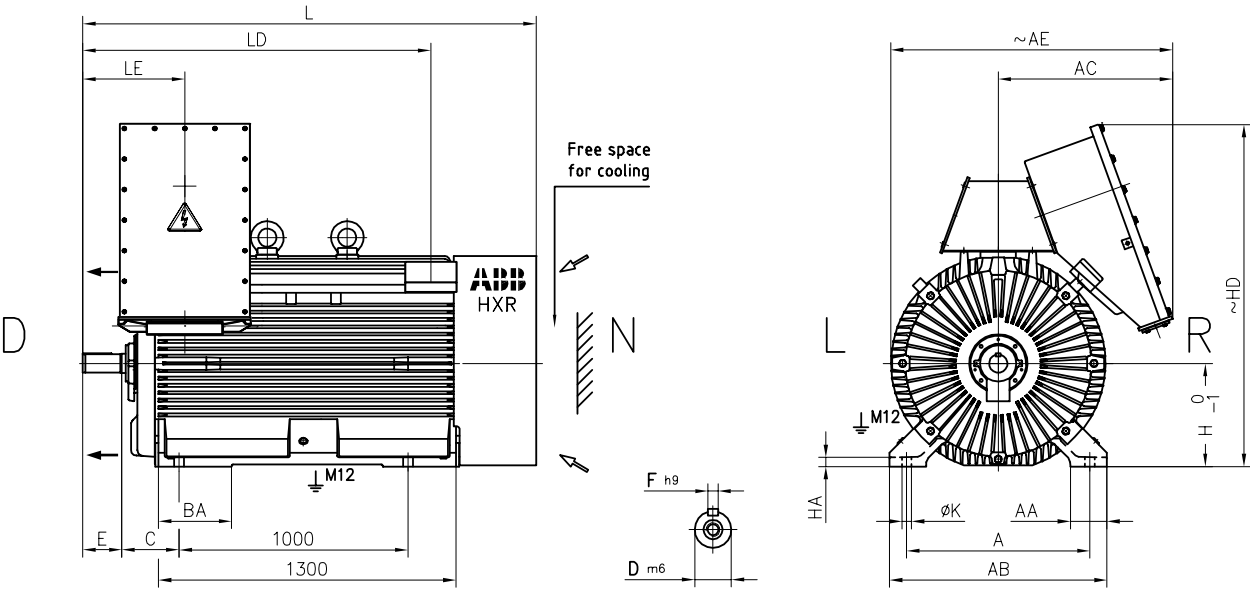
| HXR  | Poles    | AA  | AB   | AC   | BA  | BB   | HA | D-end bearing       | N-end bearing |
|------|----------|-----|------|------|-----|------|----|---------------------|---------------|
| 560L | $\geq 4$ | 230 | 1170 | 1190 | 620 | 1940 | 50 | 6034/C3 + NU1034/C3 | NU322/C3      |

Table gives main dimensions in mm.

# Rib cooled motors, type HXR 560

## Dimension drawings

Antifriction bearings, 6.6 < UN ≤ 11 kV, IM1001, IC411



| HXR  | Poles | A    | B    | C   | D   | E   | F  | H   | AE   | HD   | L    | K  | LD   | LE  |
|------|-------|------|------|-----|-----|-----|----|-----|------|------|------|----|------|-----|
| 560L | ≥ 4   | 1000 | 1600 | 400 | 160 | 300 | 40 | 560 | 1365 | 1780 | 3025 | 48 | 2355 | 630 |

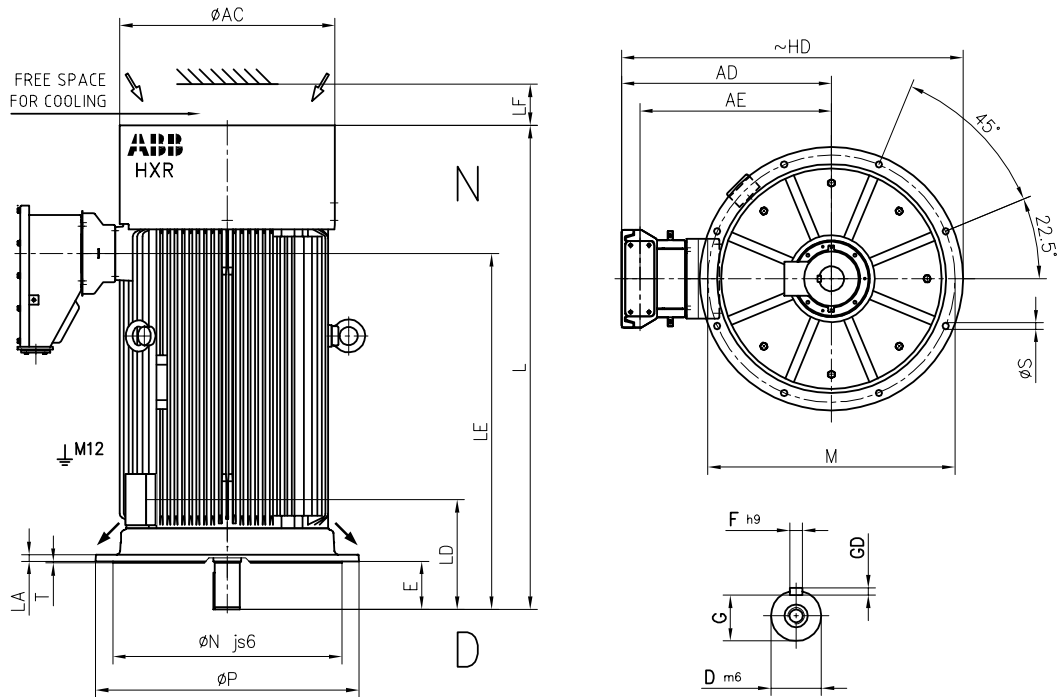
| HXR  | Poles | AA  | AB   | AC   | BA  | BB   | HA | D-end bearing       |  | N-end bearing |  |
|------|-------|-----|------|------|-----|------|----|---------------------|--|---------------|--|
| 560L | ≥ 4   | 230 | 1170 | 1190 | 620 | 1940 | 50 | 6034/C3 + NU1034/C3 |  | NU322/C3      |  |

Table gives main dimensions in mm.

# Rib cooled motors, type HXR 560

## Dimension drawings

Antifriction bearings,  $1 < UN \leq 6.6$  kV, IM3011, IC411



| HXR  | Poles    | M    | N    | P    | S  | D   | E   | F  | G   | GD | HD   | L    | LA |
|------|----------|------|------|------|----|-----|-----|----|-----|----|------|------|----|
| 560L | $\geq 6$ | 1320 | 1250 | 1400 | 28 | 160 | 300 | 40 | 147 | 22 | 1780 | 3005 | 40 |

| HXR  | Poles    | LD  | LE   | LF  | T | AC   | AD   | AE   | D-end bearing | N-end bearing |
|------|----------|-----|------|-----|---|------|------|------|---------------|---------------|
| 560L | $\geq 6$ | 630 | 2350 | 250 | 6 | 1190 | 1077 | 1000 | 6034/C3       | 7334 BM       |

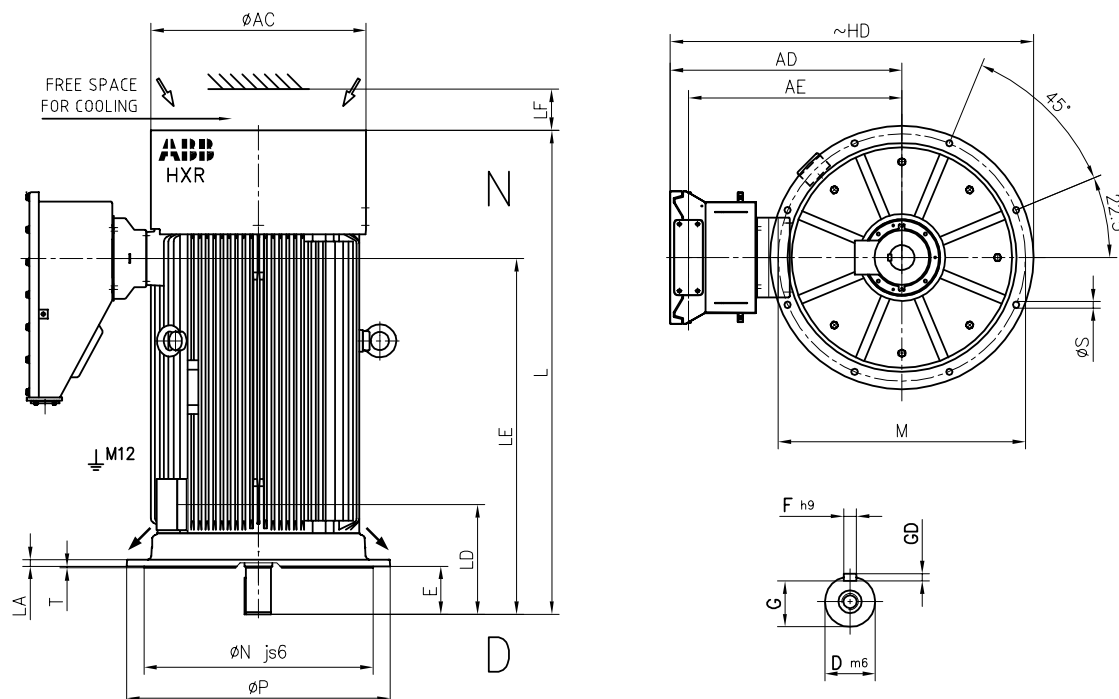
Note: Rain canopy is recommended for outdoor location.

Table gives main dimensions in mm.

# Rib cooled motors, type HXR 560

## Dimension drawings

Antifriction bearings,  $6.6 < U_N \leq 11$  kV, IM 3011, IC411



| HXR  | Poles    | M    | N    | P    | S  | D   | E   | F  | G   | GD | HD   | L    | LA |
|------|----------|------|------|------|----|-----|-----|----|-----|----|------|------|----|
| 560L | $\geq 6$ | 1320 | 1250 | 1400 | 28 | 160 | 300 | 40 | 147 | 22 | 1875 | 3005 | 40 |

| HXR  | Poles    | LD  | LE   | LF  | T | AC   | AD   | AE   | D-end bearing | N-end bearing |
|------|----------|-----|------|-----|---|------|------|------|---------------|---------------|
| 560L | $\geq 6$ | 630 | 2350 | 250 | 6 | 1190 | 1172 | 1095 | 6034/C3       | 7334 BM       |

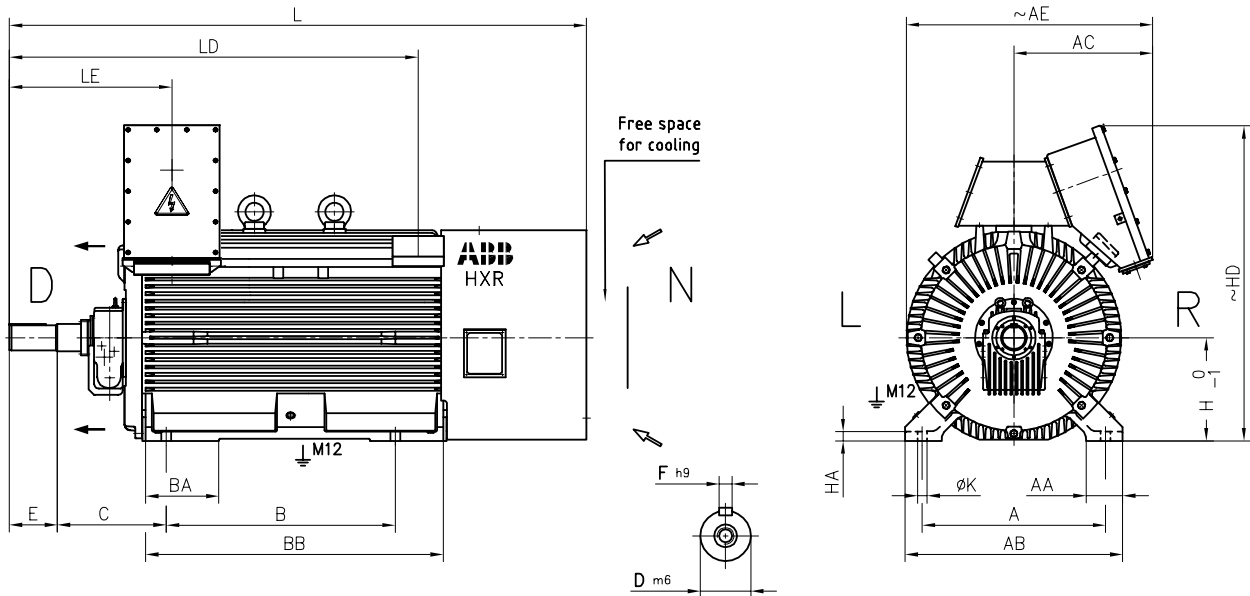
Note: Rain canopy is recommended for outdoor location.

Table gives main dimensions in mm.

# Rib cooled motors, type HXR 560

## Dimension drawings

Sleeve bearings, 1 < UN ≤ 6.6 kV, IM 1001, IC411



| HXR  | Poles | A    | B    | C   | D   | E   | F  | H   | AE   | HD   | L    | K  | LD   | LE  |
|------|-------|------|------|-----|-----|-----|----|-----|------|------|------|----|------|-----|
| 560L | 2     | 1000 | 1600 | 670 | 120 | 210 | 32 | 560 | 1285 | 1655 | 3280 | 48 | 2535 | 810 |
| 560L | ≥ 4   | 1000 | 1600 | 670 | 160 | 300 | 40 | 560 | 1285 | 1655 | 3465 | 48 | 2625 | 900 |

| HXR  | Poles | AA  | AB   | AC   | BA  | BB   | HA | D-end bearing              | N-end bearing              |
|------|-------|-----|------|------|-----|------|----|----------------------------|----------------------------|
| 560L | 2     | 230 | 1170 | 1190 | 620 | 1940 | 50 | EFZLB 14-125 <sup>1)</sup> | EFZLQ 14-125 <sup>1)</sup> |
| 560L | 4, 6  | 230 | 1170 | 1190 | 620 | 1940 | 50 | EFZLB 14-125 <sup>2)</sup> | EFZLQ 14-125 <sup>2)</sup> |
| 560L | ≥ 8   | 230 | 1170 | 1190 | 620 | 1940 | 50 | EFZLB 14-140               | EFZLQ 14-140               |

<sup>1)</sup> With oil circulation as standard.

<sup>2)</sup> With oil circulation as standard for 4 poles.

Note: Axial float of rotor ±8 mm as standard.

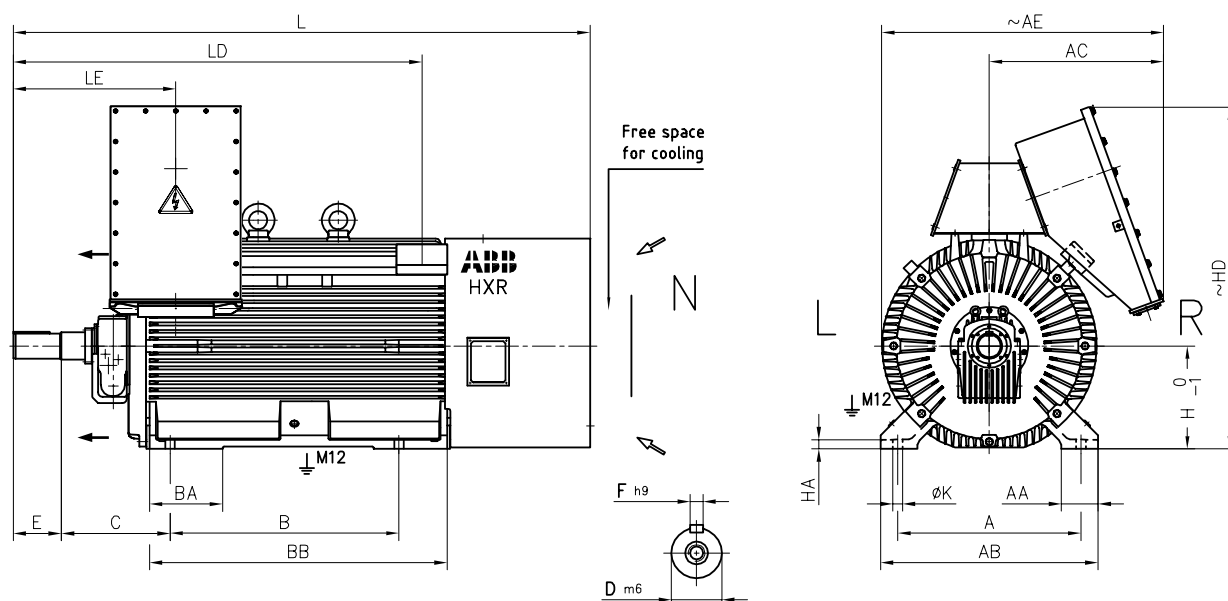
Note: The bearing cannot withstand continuous axial forces.

Table gives main dimensions in mm.

# Rib cooled motors, type HXR 560

## Dimension drawings

Sleeve bearings,  $6.6 < U_N \leq 11$  kV, IM 1001, IC411



| HXR  | Poles    | A    | B    | C   | D   | E   | F  | H   | AE   | HD   | L    | K  | LD   | LE  |
|------|----------|------|------|-----|-----|-----|----|-----|------|------|------|----|------|-----|
| 560L | 2        | 1000 | 1600 | 670 | 120 | 210 | 32 | 560 | 1365 | 1780 | 3280 | 48 | 2535 | 810 |
| 560L | $\geq 4$ | 1000 | 1600 | 670 | 160 | 300 | 40 | 560 | 1365 | 1780 | 3465 | 48 | 2625 | 900 |

| HXR  | Poles    | AA  | AB   | AC   | BA  | BB   | HA | D-end bearing              | N-end bearing              |
|------|----------|-----|------|------|-----|------|----|----------------------------|----------------------------|
| 560L | 2        | 230 | 1170 | 1190 | 620 | 1940 | 50 | EFZLB 14-125 <sup>1)</sup> | EFZLQ 14-125 <sup>1)</sup> |
| 560L | 4, 6     | 230 | 1170 | 1190 | 620 | 1940 | 50 | EFZLB 14-125 <sup>2)</sup> | EFZLQ 14-125 <sup>2)</sup> |
| 560L | $\geq 4$ | 230 | 1170 | 1190 | 620 | 1940 | 50 | EFZLB 14-140               | EFZLQ 14-140               |

<sup>1)</sup> With oil circulation as standard.

<sup>2)</sup> With oil circulation as standard for 4 poles.

Note: Axial float of rotor  $\pm 8$  mm as standard.

Note: The bearing cannot withstand continuous axial forces.

Table gives main dimensions in mm.



## Modular induction motors, type AMI

### High reliability and availability

When you want to make your operations more reliable, productive and energy efficient, you can count on ABB's high voltage modular induction motors.

High voltage modular induction motors (AMI) provide reliability and availability in the toughest and most demanding applications.

AMI modular induction motors are fine-tuned to the customer's precise needs and offer a high degree of flexibility. Built from the motor industry's most successful modular platform, they match a broad variety of demanding application requirements while having the flexibility to be adapted to highly specific configurations.

ABB's modular induction motors comply with all relevant international standards. Versions are available for both direct-on-line (DOL) and variable speed drive (VSD) operation.

AMI modular induction motors have a welded steel frame. They are available with the following cooling methods and protection types as standard: IC01/IP24W, IC611/IP55 and IC81W/IP55. The standard shaft heights are 400 to 630 mm. The motors can be mounted horizontally or vertically.

For AMI motors this catalog shows the technical data at 50 Hz only, but these motors are operating at both 50 Hz and 60 Hz, with synchronous speed from 500 to 3600 rpm. Output powers for AMI motors covered in this catalogue are up to 8,000 kW, while the complete range goes up to 23,000 kW.

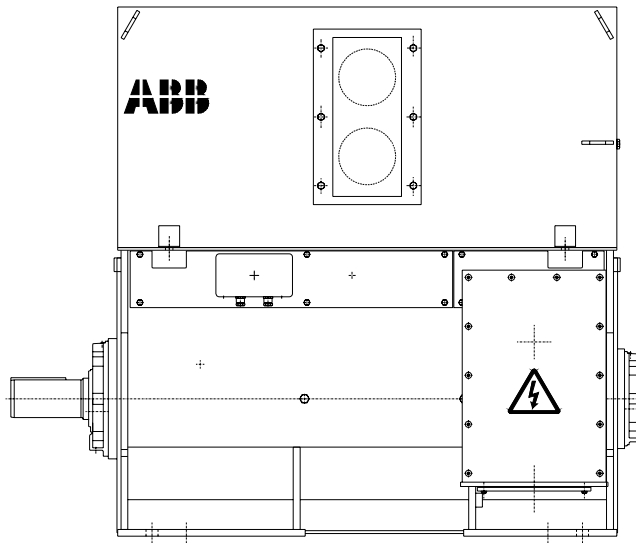


# Modular induction motors, type AMI

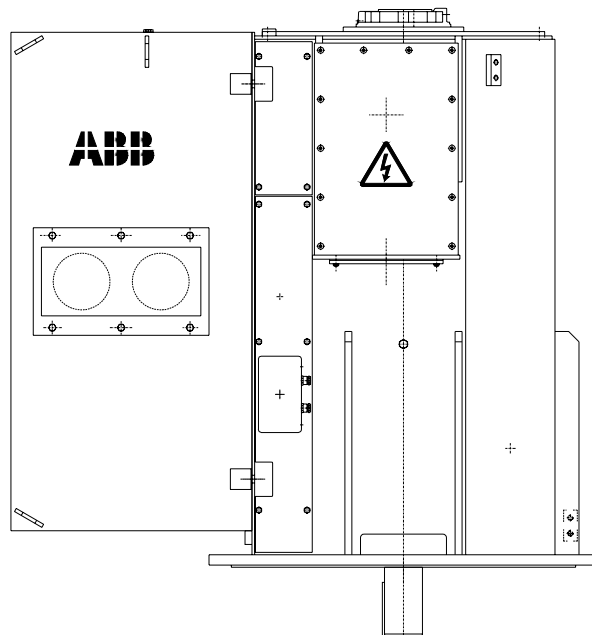
## Mounting arrangements

Standard mounting arrangements for AMI motors. Other mountings available on request.

19  
Code I: IM B3  
Code II: IM 1001  
Horizontal foot mounted



20  
Code I: IM V1  
Code II: IM 4011  
Vertical flange mounted  
(free shaft end facing downwards)



# Modular induction motors, type AMI

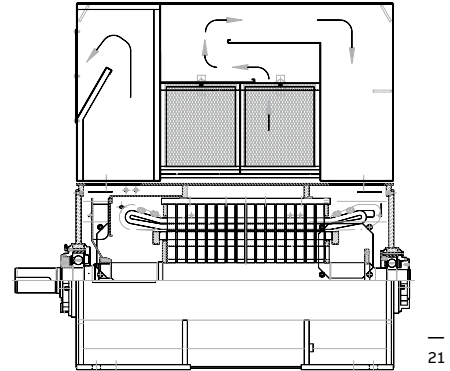
## Enclosure and cooling

—  
21  
IC01 / IP24  
—  
22  
IC611 / IP55  
—  
23  
IC81W / IP55  
—  
24  
IC31 / IP55  
—  
25  
IC01

Standard combinations for AMI motors:

### IC01 / IP24

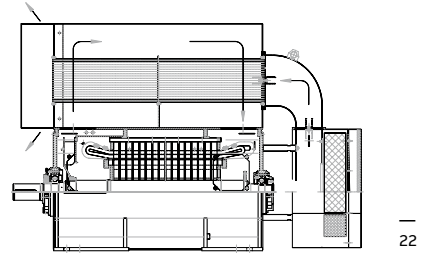
This weather protected motor has a shaft mounted cooling fan inside the housing. The design of the motor reduces the ingress of rain, snow and airborne particles into the electrical parts. On the air intake path this is achieved by ensuring that the average velocity does not exceed 3 m/s, allowing any heavier particles to settle. The design of the air intake path includes three acute direction changes in excess of 90 degrees to further reduce the flow rate to the optimal level. The motor is protected against splashing water from any direction.



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### IC611 / IP55

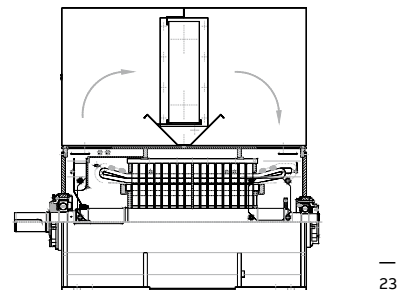
This design has an air-to-air heat exchanger mounted on the motor, which is fully enclosed. Shaft mounted fans are fitted both inside and outside of the casing to supply the inside and outside cooling circuits respectively. The motor is protected against dust and splashing water from any direction.



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### IC81W / IP55

This fully enclosed motor is fitted with an air-to-water heat exchanger. A shaft mounted fan is fitted inside the casing to supply the internal cooling circuit. The motor is protected against dust and splashing water from any direction.

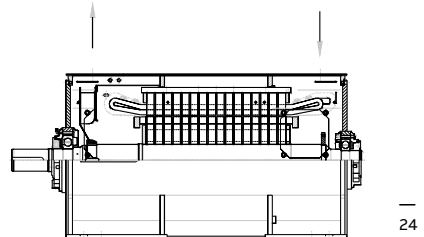


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23

The terminal boxes have a protection rating of at least IP55.

### IC31 / IP55

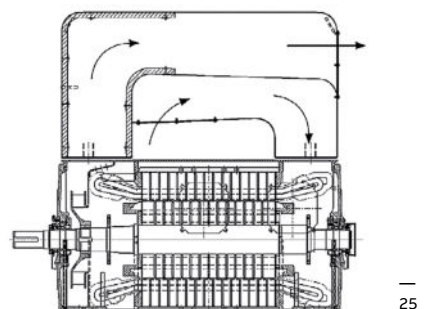
This version is fitted with inlet and outlet pipes to use remote cooling air. Essentially this is the AMI motor frame without an upper cover. The motor is protected against dust and splashing water from any direction.



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### IC01

IC01 with asymmetric inside air circulation.



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25

# Modular induction motors, type AMI

## Type designation

The type designation of the AMI motor follows the coding principle shown below.

Example: AMI 450L4A BATH

|    |     |                                                                                                                                                                                                                                                                                                       |
|----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | AM  | General type designations                                                                                                                                                                                                                                                                             |
| 2  | I   | Indicates the type of motor, A, I = SCIM, K, L = WRIM                                                                                                                                                                                                                                                 |
| 3  | 450 | Shaft centre height in mm; 355, 400, 450, 500, 560, 630                                                                                                                                                                                                                                               |
| 4  | L   | Frame length, S = small, M = medium or L = long                                                                                                                                                                                                                                                       |
| 5  | 4   | Number of poles                                                                                                                                                                                                                                                                                       |
| 6  | A   | Stands for the IC/IP combination<br>A = IC611 / IP54 (55) [TEAAC] air-to-air cooled<br>D = IC01 / IP23 [WP I] open ("drip proof")<br>L = IC81W / IP54 (55) [TEWAC] air-to-water cooled<br>P = IC11, 21, 31 / IP23, 54, (55) [OPV, TEPV] pipe ventilated<br>W = IC01 / IPW24 [WP II] weather protected |
| 7  | B   | Mounting arrangement, B = IM1001 (horizontal), V = IM4011 (vertical)                                                                                                                                                                                                                                  |
| 8  | A   | Bearing type, A = antifriction, S = sleeve                                                                                                                                                                                                                                                            |
| 9  | T   | Indication of special construction<br>T = separate ventilation      M = marine application      Y = mechanically special<br>F = frequency converter drive      X = electrically special      Z = special material specs                                                                               |
| 10 | H   | Location of manufacture                                                                                                                                                                                                                                                                               |

# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
690 V, 50 Hz

| Output<br>(kW)       | Motor<br>type | Product<br>ID | Speed<br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                     |                                                      |                             | Torque                       |                                                      |                                                        | Rotor<br>inertia<br>(kgm²) | Motor<br>weight<br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|------------------|----------------------|--------------------|----------------------|--------------------|-----------------------------|------------------------------------------------------|-----------------------------|------------------------------|------------------------------------------------------|--------------------------------------------------------|----------------------------|-------------------------|---------------------------------------------------------------|
|                      |               |               |                  | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br>(A) | <i>T<sub>N</sub></i><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                            |                         |                                                               |
| 3000 r/min = 2 poles |               |               |                  | 690 V 50 Hz          |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 630                  | AMI 400L2W    | 19038         | 2981             | 96.2                 | 96.1               | 0.86                 | 0.83               | 636                         | 5.7                                                  | 204                         | 2018                         | 0.5                                                  | 2.5                                                    | 6.0                        | 2910                    | 82                                                            |
| 710                  | AMI 400L2W    | 19039         | 2978             | 96.2                 | 96.2               | 0.87                 | 0.85               | 711                         | 5.1                                                  | 204                         | 2277                         | 0.4                                                  | 2.3                                                    | 6.0                        | 2910                    | 82                                                            |
| 800                  | AMI 400L2W    | 19040         | 2974             | 96.0                 | 96.3               | 0.87                 | 0.86               | 799                         | 4.5                                                  | 204                         | 2569                         | 0.4                                                  | 2.0                                                    | 6.0                        | 2910                    | 82                                                            |
| 900                  | AMI 400L2W    | 19041         | 2980             | 96.5                 | 96.6               | 0.87                 | 0.85               | 892                         | 5.7                                                  | 258                         | 2884                         | 0.5                                                  | 2.5                                                    | 6.9                        | 3140                    | 82                                                            |
| 1000                 | AMI 400L2W    | 19042         | 2977             | 96.5                 | 96.7               | 0.88                 | 0.86               | 986                         | 5.2                                                  | 258                         | 3208                         | 0.4                                                  | 2.3                                                    | 6.9                        | 3140                    | 82                                                            |
| 1200                 | AMI 400L2W    | 16117         | 2974             | 96.3                 | 96.7               | 0.89                 | 0.89               | 1169                        | 4.6                                                  | 218                         | 3854                         | 0.5                                                  | 1.9                                                    | 7.8                        | 3330                    | 82                                                            |
| 1400                 | AMI 450L2W    | 16118         | 2976             | 96.5                 | 96.8               | 0.89                 | 0.88               | 1370                        | 4.6                                                  | 297                         | 4493                         | 0.4                                                  | 2.0                                                    | 11.8                       | 4140                    | 83                                                            |
| 1600                 | AMI 450L2W    | 16119         | 2977             | 96.7                 | 96.9               | 0.89                 | 0.88               | 1561                        | 5.0                                                  | 343                         | 5132                         | 0.6                                                  | 2.1                                                    | 13.5                       | 4400                    | 83                                                            |
| 1800                 | AMI 500L2W    | 16120         | 2981             | 96.6                 | 96.7               | 0.89                 | 0.88               | 1758                        | 4.9                                                  | 424                         | 5767                         | 0.4                                                  | 2.1                                                    | 20.3                       | 5150                    | 84                                                            |
| 2000                 | AMI 500L2W    | 16121         | 2979             | 96.8                 | 96.9               | 0.90                 | 0.89               | 1911                        | 5.3                                                  | 433                         | 6410                         | 0.4                                                  | 2.3                                                    | 21.5                       | 5400                    | 84                                                            |
| 2240                 | AMI 500L2W    | 16122         | 2982             | 97.0                 | 97.1               | 0.90                 | 0.90               | 2137                        | 5.3                                                  | 456                         | 7174                         | 0.5                                                  | 2.2                                                    | 24.0                       | 5740                    | 84                                                            |
| 2500                 | AMI 500L2W    | 16123         | 2983             | 97.1                 | 97.2               | 0.88                 | 0.86               | 2452                        | 5.4                                                  | 637                         | 8002                         | 0.5                                                  | 2.3                                                    | 25.4                       | 5910                    | 84                                                            |
| 1500 r/min = 4 poles |               |               |                  | 690 V 50 Hz          |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 630                  | AMI 400L4W    | 19043         | 1487             | 96.0                 | 96.1               | 0.88                 | 0.86               | 624                         | 5.9                                                  | 192                         | 4046                         | 0.7                                                  | 2.5                                                    | 15.0                       | 3010                    | 79                                                            |
| 710                  | AMI 400L4W    | 19044         | 1486             | 96.0                 | 96.2               | 0.88                 | 0.87               | 700                         | 5.3                                                  | 194                         | 4562                         | 0.6                                                  | 2.2                                                    | 15.1                       | 3010                    | 79                                                            |
| 800                  | AMI 400L4W    | 19045         | 1485             | 96.1                 | 96.3               | 0.89                 | 0.87               | 787                         | 5.5                                                  | 220                         | 5144                         | 0.7                                                  | 2.3                                                    | 16.0                       | 3110                    | 79                                                            |
| 900                  | AMI 400L4W    | 19046         | 1484             | 96.0                 | 96.3               | 0.88                 | 0.87               | 887                         | 4.9                                                  | 222                         | 5790                         | 0.6                                                  | 2.0                                                    | 16.1                       | 3120                    | 79                                                            |
| 1000                 | AMI 400L4W    | 19047         | 1484             | 96.2                 | 96.5               | 0.88                 | 0.86               | 991                         | 5.2                                                  | 269                         | 6433                         | 0.7                                                  | 2.1                                                    | 17.1                       | 3230                    | 79                                                            |
| 1120                 | AMI 400L4W    | 16128         | 1484             | 96.1                 | 96.5               | 0.87                 | 0.86               | 1116                        | 4.7                                                  | 288                         | 7207                         | 0.6                                                  | 1.8                                                    | 17.2                       | 3230                    | 79                                                            |
| 1250                 | AMI 400L4W    | 16129         | 1484             | 96.0                 | 96.5               | 0.88                 | 0.87               | 1241                        | 4.7                                                  | 302                         | 8046                         | 0.6                                                  | 1.8                                                    | 18.2                       | 3300                    | 79                                                            |
| 1300                 | AMI 400L4W    | 16130         | 1483             | 96.0                 | 96.5               | 0.88                 | 0.89               | 1286                        | 4.1                                                  | 248                         | 8371                         | 0.5                                                  | 1.6                                                    | 19.4                       | 3420                    | 79                                                            |
| 1600                 | AMI 450L4W    | 16131         | 1487             | 96.2                 | 96.5               | 0.88                 | 0.87               | 1585                        | 4.7                                                  | 402                         | 10277                        | 0.6                                                  | 1.8                                                    | 31.4                       | 4180                    | 80                                                            |
| 1800                 | AMI 450L4W    | 16132         | 1488             | 96.5                 | 96.8               | 0.89                 | 0.88               | 1753                        | 5.3                                                  | 434                         | 11555                        | 0.7                                                  | 2.1                                                    | 35.1                       | 4460                    | 80                                                            |
| 2000                 | AMI 450L4W    | 16133         | 1486             | 96.3                 | 96.7               | 0.89                 | 0.88               | 1958                        | 4.6                                                  | 436                         | 12854                        | 0.6                                                  | 1.8                                                    | 35.0                       | 4470                    | 80                                                            |
| 2240                 | AMI 500L4W    | 16134         | 1489             | 96.4                 | 96.7               | 0.88                 | 0.88               | 2200                        | 4.8                                                  | 501                         | 14363                        | 0.6                                                  | 1.8                                                    | 56.7                       | 5520                    | 81                                                            |
| 2500                 | AMI 500L4W    | 16135         | 1490             | 96.8                 | 97.0               | 0.89                 | 0.88               | 2435                        | 5.3                                                  | 576                         | 16021                        | 0.7                                                  | 2.0                                                    | 62.6                       | 5900                    | 81                                                            |
| 1000 r/min = 6 poles |               |               |                  | 690 V 50 Hz          |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 450                  | AMI 400L6W    | 19048         | 990              | 95.8                 | 95.9               | 0.85                 | 0.82               | 463                         | 5.5                                                  | 166                         | 4339                         | 0.7                                                  | 2.2                                                    | 16.9                       | 2930                    | 77                                                            |
| 500                  | AMI 400L6W    | 19049         | 991              | 95.8                 | 95.7               | 0.79                 | 0.73               | 554                         | 5.8                                                  | 264                         | 4816                         | 0.9                                                  | 2.4                                                    | 16.9                       | 2930                    | 77                                                            |
| 560                  | AMI 400L6W    | 19050         | 990              | 95.8                 | 95.9               | 0.83                 | 0.78               | 591                         | 5.8                                                  | 243                         | 5402                         | 0.9                                                  | 2.4                                                    | 18.0                       | 3020                    | 77                                                            |
| 630                  | AMI 400L6W    | 19051         | 990              | 95.8                 | 96.0               | 0.83                 | 0.79               | 664                         | 5.2                                                  | 256                         | 6079                         | 0.8                                                  | 2.1                                                    | 18.2                       | 3020                    | 77                                                            |
| 710                  | AMI 400L6W    | 19052         | 990              | 95.8                 | 95.9               | 0.80                 | 0.75               | 776                         | 5.6                                                  | 350                         | 6846                         | 0.9                                                  | 2.3                                                    | 19.3                       | 3100                    | 77                                                            |
| 800                  | AMI 400L6W    | 19053         | 989              | 95.8                 | 96.1               | 0.84                 | 0.82               | 827                         | 5.0                                                  | 285                         | 7723                         | 0.7                                                  | 2.0                                                    | 20.8                       | 3200                    | 77                                                            |
| 900                  | AMI 400L6W    | 19054         | 988              | 95.8                 | 96.1               | 0.82                 | 0.78               | 964                         | 5.0                                                  | 381                         | 8696                         | 0.8                                                  | 2.0                                                    | 20.6                       | 3230                    | 77                                                            |
| 1000                 | AMI 400L6W    | 19055         | 988              | 95.8                 | 96.2               | 0.85                 | 0.82               | 1033                        | 4.9                                                  | 346                         | 9668                         | 0.7                                                  | 2.0                                                    | 23.1                       | 3410                    | 77                                                            |
| 1120                 | AMI 450L6W    | 16147         | 988              | 95.9                 | 96.4               | 0.87                 | 0.86               | 1119                        | 4.7                                                  | 299                         | 10822                        | 0.7                                                  | 1.9                                                    | 35.5                       | 3950                    | 78                                                            |
| 1250                 | AMI 450L6W    | 16148         | 989              | 96.1                 | 96.5               | 0.87                 | 0.85               | 1255                        | 5.0                                                  | 370                         | 12064                        | 0.7                                                  | 2.0                                                    | 37.9                       | 4080                    | 78                                                            |
| 1400                 | AMI 450L6W    | 16149         | 989              | 96.1                 | 96.6               | 0.87                 | 0.86               | 1393                        | 5.0                                                  | 377                         | 13518                        | 0.7                                                  | 2.0                                                    | 42.2                       | 4330                    | 78                                                            |
| 1600                 | AMI 450L6W    | 16150         | 989              | 96.3                 | 96.7               | 0.87                 | 0.85               | 1605                        | 4.9                                                  | 462                         | 15441                        | 0.7                                                  | 1.9                                                    | 44.4                       | 4490                    | 78                                                            |
| 1800                 | AMI 500L6W    | 16151         | 991              | 96.4                 | 96.8               | 0.87                 | 0.86               | 1785                        | 5.2                                                  | 485                         | 17343                        | 0.7                                                  | 2.0                                                    | 69.2                       | 5530                    | 79                                                            |
| 2000                 | AMI 500L6W    | 16152         | 991              | 96.6                 | 96.9               | 0.88                 | 0.87               | 1971                        | 5.4                                                  | 522                         | 19265                        | 0.8                                                  | 2.0                                                    | 76.4                       | 5840                    | 79                                                            |
| 2240                 | AMI 500L6W    | 16153         | 991              | 96.5                 | 96.9               | 0.89                 | 0.88               | 2193                        | 5.2                                                  | 522                         | 21592                        | 0.8                                                  | 1.9                                                    | 80.5                       | 5980                    | 79                                                            |

# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
690 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                   |                                          |                           | Torque                     |                                          |                                            | Rotor<br>inertia<br>(kgm²) | Motor<br>weight<br>(kg) | Sound<br>pressure<br>level<br>L <sub>p</sub><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------|------------------------------------------|---------------------------|----------------------------|------------------------------------------|--------------------------------------------|----------------------------|-------------------------|---------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | I <sub>N</sub><br><br>(A) | I <sub>S</sub><br>I <sub>N</sub><br>(pu) | I <sub>0</sub><br><br>(A) | T <sub>N</sub><br><br>(Nm) | T <sub>S</sub><br>T <sub>N</sub><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br>(pu) |                            |                         |                                                         |
| 750 r/min = 8 poles  |               |               |                      | 690 V 50 Hz          |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                            |                         |                                                         |
| 280                  | AMI 400L8W    | 19056         | 739                  | 95.0                 | 95.3               | 0.82                 | 0.79               | 301                       | 4.6                                      | 111                       | 3617                       | 1.0                                      | 1.8                                        | 17.4                       | 2800                    | 75                                                      |
| 315                  | AMI 400L8W    | 19057         | 739                  | 95.0                 | 95.5               | 0.83                 | 0.81               | 333                       | 4.4                                      | 113                       | 4070                       | 0.8                                      | 1.7                                        | 17.6                       | 2800                    | 75                                                      |
| 355                  | AMI 400L8W    | 19058         | 737                  | 94.7                 | 95.4               | 0.84                 | 0.83               | 373                       | 4.0                                      | 113                       | 4600                       | 0.7                                      | 1.6                                        | 17.6                       | 2800                    | 75                                                      |
| 400                  | AMI 400L8W    | 19059         | 738                  | 95.1                 | 95.6               | 0.83                 | 0.81               | 425                       | 4.2                                      | 145                       | 5173                       | 0.8                                      | 1.7                                        | 17.7                       | 2820                    | 75                                                      |
| 450                  | AMI 400L8W    | 19060         | 737                  | 94.8                 | 95.5               | 0.84                 | 0.82               | 474                       | 4.1                                      | 148                       | 5832                       | 0.7                                      | 1.6                                        | 19.0                       | 2900                    | 75                                                      |
| 500                  | AMI 400L8W    | 19061         | 737                  | 94.9                 | 95.6               | 0.84                 | 0.82               | 525                       | 4.2                                      | 163                       | 6479                       | 0.8                                      | 1.6                                        | 20.4                       | 3000                    | 75                                                      |
| 560                  | AMI 400L8W    | 19062         | 739                  | 95.3                 | 95.8               | 0.83                 | 0.80               | 591                       | 4.5                                      | 211                       | 7232                       | 0.7                                      | 1.8                                        | 22.2                       | 3110                    | 75                                                      |
| 630                  | AMI 400L8W    | 19063         | 741                  | 95.4                 | 95.8               | 0.81                 | 0.78               | 684                       | 4.4                                      | 266                       | 8115                       | 0.7                                      | 1.7                                        | 22.7                       | 3100                    | 75                                                      |
| 710                  | AMI 400L8W    | 19064         | 739                  | 95.2                 | 95.8               | 0.83                 | 0.80               | 750                       | 4.5                                      | 270                       | 9176                       | 0.7                                      | 1.8                                        | 25.1                       | 3290                    | 75                                                      |
| 800                  | AMI 450L8W    | 19065         | 740                  | 95.6                 | 96.0               | 0.83                 | 0.80               | 844                       | 4.6                                      | 307                       | 10323                      | 0.7                                      | 1.9                                        | 37.9                       | 3810                    | 76                                                      |
| 900                  | AMI 450L8W    | 19066         | 738                  | 95.3                 | 95.9               | 0.84                 | 0.82               | 938                       | 4.3                                      | 304                       | 11639                      | 0.7                                      | 1.7                                        | 40.4                       | 3910                    | 76                                                      |
| 1000                 | AMI 450L8W    | 19067         | 739                  | 95.6                 | 96.2               | 0.84                 | 0.83               | 1042                      | 4.2                                      | 315                       | 12918                      | 0.6                                      | 1.6                                        | 43.5                       | 4070                    | 76                                                      |
| 1120                 | AMI 500L8W    | 16171         | 742                  | 96.0                 | 96.2               | 0.86                 | 0.84               | 1141                      | 4.9                                      | 353                       | 14414                      | 0.7                                      | 1.9                                        | 76.2                       | 5330                    | 77                                                      |
| 1250                 | AMI 500L8W    | 16172         | 742                  | 96.0                 | 96.3               | 0.85                 | 0.83               | 1277                      | 5.0                                      | 405                       | 16086                      | 0.7                                      | 1.9                                        | 80.6                       | 5490                    | 77                                                      |
| 1400                 | AMI 500L8W    | 16173         | 742                  | 96.1                 | 96.4               | 0.86                 | 0.84               | 1417                      | 4.9                                      | 414                       | 18021                      | 0.7                                      | 1.9                                        | 89.5                       | 5800                    | 77                                                      |
| 1600                 | AMI 500L8W    | 16174         | 742                  | 96.1                 | 96.5               | 0.86                 | 0.85               | 1614                      | 4.8                                      | 456                       | 20599                      | 0.7                                      | 1.8                                        | 98.4                       | 6120                    | 77                                                      |
| 600 r/min = 10 poles |               |               |                      | 690 V 50 Hz          |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                            |                         |                                                         |
| 224                  | AMI 400L10W   | 16183         | 592                  | 94.2                 | 94.3               | 0.75                 | 0.70               | 265                       | 4.2                                      | 126                       | 3615                       | 0.7                                      | 1.8                                        | 17.7                       | 2800                    | 75                                                      |
| 250                  | AMI 400L10W   | 16184         | 592                  | 94.4                 | 94.4               | 0.75                 | 0.70               | 296                       | 4.3                                      | 145                       | 4032                       | 0.8                                      | 1.8                                        | 19.1                       | 2900                    | 75                                                      |
| 280                  | AMI 400L10W   | 16185         | 593                  | 94.5                 | 94.5               | 0.73                 | 0.67               | 338                       | 4.6                                      | 177                       | 4511                       | 0.9                                      | 1.9                                        | 20.6                       | 3000                    | 75                                                      |
| 315                  | AMI 400L10W   | 16186         | 593                  | 94.7                 | 94.6               | 0.73                 | 0.67               | 381                       | 4.8                                      | 202                       | 5071                       | 0.9                                      | 2.0                                        | 23.4                       | 3210                    | 75                                                      |
| 355                  | AMI 400L10W   | 16187         | 592                  | 94.7                 | 94.7               | 0.75                 | 0.70               | 419                       | 4.3                                      | 202                       | 5725                       | 0.8                                      | 1.8                                        | 23.4                       | 3200                    | 75                                                      |
| 400                  | AMI 400L10W   | 16188         | 592                  | 94.6                 | 94.8               | 0.76                 | 0.71               | 467                       | 4.2                                      | 215                       | 6455                       | 0.8                                      | 1.7                                        | 24.9                       | 3280                    | 75                                                      |
| 450                  | AMI 400L10W   | 16189         | 592                  | 94.7                 | 94.9               | 0.76                 | 0.72               | 521                       | 4.2                                      | 233                       | 7263                       | 0.8                                      | 1.7                                        | 27.7                       | 3490                    | 75                                                      |
| 500                  | AMI 450L10W   | 16190         | 592                  | 95.3                 | 95.6               | 0.81                 | 0.77               | 542                       | 4.5                                      | 214                       | 8066                       | 0.8                                      | 1.8                                        | 40.7                       | 3910                    | 76                                                      |
| 560                  | AMI 450L10W   | 16191         | 592                  | 95.2                 | 95.6               | 0.82                 | 0.79               | 599                       | 4.5                                      | 224                       | 9035                       | 0.8                                      | 1.8                                        | 46.1                       | 4170                    | 76                                                      |
| 630                  | AMI 450L10W   | 16192         | 592                  | 95.3                 | 95.7               | 0.83                 | 0.80               | 668                       | 4.4                                      | 238                       | 10168                      | 0.8                                      | 1.8                                        | 51.5                       | 4420                    | 76                                                      |
| 710                  | AMI 500L10W   | 16193         | 593                  | 95.6                 | 95.9               | 0.84                 | 0.81               | 744                       | 4.8                                      | 266                       | 11432                      | 0.8                                      | 1.9                                        | 72.2                       | 5160                    | 77                                                      |
| 800                  | AMI 500L10W   | 16194         | 593                  | 95.6                 | 96.0               | 0.84                 | 0.82               | 833                       | 4.6                                      | 280                       | 12890                      | 0.7                                      | 1.8                                        | 76.6                       | 5320                    | 77                                                      |
| 900                  | AMI 500L10W   | 16195         | 592                  | 95.8                 | 96.2               | 0.84                 | 0.82               | 933                       | 4.5                                      | 301                       | 14508                      | 0.7                                      | 1.8                                        | 81.1                       | 5480                    | 77                                                      |
| 1000                 | AMI 500L10W   | 16196         | 593                  | 95.9                 | 96.2               | 0.85                 | 0.82               | 1031                      | 4.7                                      | 336                       | 16109                      | 0.8                                      | 1.8                                        | 94.6                       | 5930                    | 77                                                      |
| 1120                 | AMI 500L10W   | 16197         | 593                  | 95.9                 | 96.3               | 0.85                 | 0.83               | 1150                      | 4.6                                      | 355                       | 18050                      | 0.7                                      | 1.8                                        | 103.5                      | 6250                    | 77                                                      |
| 500 r/min = 12 poles |               |               |                      | 690 V 50 Hz          |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                            |                         |                                                         |
| 160                  | AMI 400L12W   | 16198         | 492                  | 92.7                 | 92.7               | 0.70                 | 0.64               | 205                       | 3.7                                      | 111                       | 3106                       | 0.7                                      | 1.7                                        | 16.3                       | 2710                    | 75                                                      |
| 180                  | AMI 400L12W   | 16199         | 492                  | 92.9                 | 92.9               | 0.71                 | 0.65               | 229                       | 3.7                                      | 122                       | 3494                       | 0.7                                      | 1.7                                        | 17.7                       | 2810                    | 75                                                      |
| 200                  | AMI 400L12W   | 16200         | 492                  | 93.0                 | 93.0               | 0.71                 | 0.65               | 254                       | 3.7                                      | 136                       | 3881                       | 0.7                                      | 1.7                                        | 19.2                       | 2900                    | 75                                                      |
| 224                  | AMI 400L12W   | 16201         | 492                  | 93.4                 | 93.3               | 0.71                 | 0.66               | 281                       | 3.8                                      | 148                       | 4344                       | 0.8                                      | 1.8                                        | 22.1                       | 3110                    | 75                                                      |
| 250                  | AMI 400L12W   | 16202         | 493                  | 93.4                 | 93.3               | 0.71                 | 0.65               | 315                       | 3.9                                      | 169                       | 4847                       | 0.8                                      | 1.8                                        | 23.5                       | 3200                    | 75                                                      |
| 280                  | AMI 400L12W   | 16203         | 493                  | 93.5                 | 93.4               | 0.71                 | 0.65               | 355                       | 3.9                                      | 192                       | 5427                       | 0.8                                      | 1.8                                        | 25.0                       | 3300                    | 75                                                      |
| 315                  | AMI 400L12W   | 16204         | 494                  | 93.7                 | 93.5               | 0.68                 | 0.61               | 414                       | 4.1                                      | 247                       | 6090                       | 0.8                                      | 1.9                                        | 26.7                       | 3400                    | 75                                                      |
| 355                  | AMI 450L12W   | 16205         | 493                  | 94.7                 | 94.9               | 0.76                 | 0.71               | 414                       | 4.1                                      | 197                       | 6875                       | 0.7                                      | 1.8                                        | 40.8                       | 3920                    | 76                                                      |
| 400                  | AMI 450L12W   | 16206         | 493                  | 94.9                 | 95.1               | 0.76                 | 0.71               | 463                       | 4.2                                      | 218                       | 7744                       | 0.8                                      | 1.8                                        | 46.2                       | 4170                    | 76                                                      |
| 450                  | AMI 450L12W   | 16207         | 493                  | 94.9                 | 95.1               | 0.76                 | 0.70               | 525                       | 4.2                                      | 252                       | 8710                       | 0.8                                      | 1.8                                        | 48.9                       | 4280                    | 76                                                      |
| 500                  | AMI 450L12W   | 16208         | 493                  | 95.0                 | 95.2               | 0.77                 | 0.72               | 575                       | 4.2                                      | 264                       | 9680                       | 0.8                                      | 1.8                                        | 54.4                       | 4530                    | 76                                                      |
| 630                  | AMI 500L12W   | 16209         | 494                  | 95.3                 | 95.5               | 0.78                 | 0.74               | 709                       | 4.3                                      | 313                       | 12175                      | 0.7                                      | 1.8                                        | 81.3                       | 5480                    | 77                                                      |
| 710                  | AMI 500L12W   | 16210         | 494                  | 95.5                 | 95.7               | 0.79                 | 0.75               | 788                       | 4.3                                      | 332                       | 13725                      | 0.7                                      | 1.8                                        | 90.3                       | 5790                    | 77                                                      |
| 800                  | AMI 500L12W   | 16211         | 494                  | 95.4                 | 95.7               | 0.80                 | 0.76               | 881                       | 4.2                                      | 352                       | 15469                      | 0.7                                      | 1.7                                        | 103.8                      | 6270                    | 77                                                      |

# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
690 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>S</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>S</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 3000 r/min = 2 poles |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 690 V 50 Hz          |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 630                  | AMI 400L2A    | 19010         | 2982                 | 95.8                 | 95.5               | 0.87                 | 0.85               | 633                             | 5.9                                                  | 182                             | 2017                             | 0.5                                                  | 2.5                                                    | 8.4                            | 3420                        | 85                                                                |
| 710                  | AMI 400L2A    | 19011         | 2981                 | 95.8                 | 95.5               | 0.84                 | 0.80               | 741                             | 5.9                                                  | 254                             | 2274                             | 0.5                                                  | 2.6                                                    | 8.1                            | 3300                        | 85                                                                |
| 800                  | AMI 400L2A    | 19012         | 2980                 | 95.9                 | 95.8               | 0.86                 | 0.83               | 812                             | 5.9                                                  | 251                             | 2564                             | 0.6                                                  | 2.6                                                    | 8.1                            | 3300                        | 85                                                                |
| 900                  | AMI 400L2A    | 19013         | 2979                 | 96.0                 | 96.0               | 0.87                 | 0.85               | 896                             | 5.7                                                  | 259                             | 2885                             | 0.5                                                  | 2.5                                                    | 7.9                            | 3300                        | 85                                                                |
| 1000                 | AMI 400L2A    | 19014         | 2975                 | 95.9                 | 96.0               | 0.88                 | 0.86               | 992                             | 5.1                                                  | 259                             | 3210                             | 0.4                                                  | 2.3                                                    | 7.9                            | 3300                        | 85                                                                |
| 1120                 | AMI 450L2A    | 16005         | 2977                 | 95.8                 | 95.8               | 0.88                 | 0.88               | 1109                            | 4.7                                                  | 239                             | 3593                             | 0.5                                                  | 2.0                                                    | 11.6                           | 4280                        | 86                                                                |
| 1250                 | AMI 450L2A    | 16006         | 2980                 | 96.2                 | 96.2               | 0.88                 | 0.87               | 1233                            | 5.1                                                  | 294                             | 4006                             | 0.5                                                  | 2.2                                                    | 12.1                           | 4450                        | 86                                                                |
| 1400                 | AMI 450L2A    | 16007         | 2979                 | 96.3                 | 96.3               | 0.88                 | 0.87               | 1380                            | 5.0                                                  | 299                             | 4488                             | 0.5                                                  | 2.1                                                    | 13.8                           | 4740                        | 86                                                                |
| 1600                 | AMI 500L2A    | 16008         | 2983                 | 96.2                 | 96.1               | 0.88                 | 0.87               | 1575                            | 5.4                                                  | 423                             | 5122                             | 0.5                                                  | 2.3                                                    | 21.6                           | 5370                        | 87                                                                |
| 1800                 | AMI 500L2A    | 16009         | 2981                 | 96.4                 | 96.4               | 0.89                 | 0.88               | 1750                            | 5.3                                                  | 438                             | 5765                             | 0.4                                                  | 2.3                                                    | 22.6                           | 5620                        | 87                                                                |
| 2000                 | AMI 500L2A    | 16010         | 2984                 | 96.6                 | 96.6               | 0.89                 | 0.88               | 1940                            | 5.4                                                  | 460                             | 6401                             | 0.4                                                  | 2.3                                                    | 25.2                           | 5960                        | 87                                                                |
| 2240                 | AMI 500L2A    | 16011         | 2985                 | 96.8                 | 96.7               | 0.87                 | 0.85               | 2234                            | 5.7                                                  | 643                             | 7166                             | 0.5                                                  | 2.4                                                    | 26.6                           | 6130                        | 87                                                                |
| 1500 r/min = 4 poles |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 690 V 50 Hz          |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 800                  | AMI 400L4A    | 19015         | 1489                 | 96.0                 | 95.9               | 0.88                 | 0.86               | 794                             | 5.8                                                  | 242                             | 5129                             | 0.7                                                  | 2.3                                                    | 19.7                           | 3510                        | 79                                                                |
| 900                  | AMI 400L4A    | 19016         | 1488                 | 96.0                 | 96.1               | 0.89                 | 0.88               | 881                             | 5.6                                                  | 236                             | 5777                             | 0.7                                                  | 2.2                                                    | 19.9                           | 3510                        | 79                                                                |
| 1000                 | AMI 450L4A    | 19017         | 1491                 | 96.0                 | 95.9               | 0.89                 | 0.86               | 984                             | 5.8                                                  | 289                             | 6405                             | 0.6                                                  | 2.3                                                    | 30.5                           | 4190                        | 81                                                                |
| 1100                 | AMI 400L4A    | 16017         | 1486                 | 95.9                 | 96.2               | 0.89                 | 0.88               | 1077                            | 4.9                                                  | 254                             | 7068                             | 0.6                                                  | 1.9                                                    | 20.9                           | 3580                        | 79                                                                |
| 1250                 | AMI 450L4A    | 16018         | 1486                 | 95.8                 | 96.0               | 0.89                 | 0.89               | 1226                            | 4.7                                                  | 280                             | 8032                             | 0.6                                                  | 1.8                                                    | 30.1                           | 4180                        | 81                                                                |
| 1400                 | AMI 450L4A    | 16019         | 1489                 | 96.0                 | 96.1               | 0.88                 | 0.86               | 1392                            | 5.4                                                  | 402                             | 8981                             | 0.6                                                  | 2.1                                                    | 33.5                           | 4390                        | 81                                                                |
| 1600                 | AMI 450L4A    | 16020         | 1489                 | 96.3                 | 96.3               | 0.88                 | 0.86               | 1576                            | 5.6                                                  | 446                             | 10261                            | 0.7                                                  | 2.2                                                    | 37.0                           | 4670                        | 81                                                                |
| 1800                 | AMI 500L4A    | 16021         | 1490                 | 96.1                 | 96.2               | 0.88                 | 0.87               | 1773                            | 5.3                                                  | 455                             | 11540                            | 0.6                                                  | 2.1                                                    | 52.6                           | 5490                        | 82                                                                |
| 2000                 | AMI 500L4A    | 16022         | 1490                 | 96.3                 | 96.4               | 0.91                 | 0.90               | 1920                            | 5.2                                                  | 396                             | 12821                            | 0.6                                                  | 2.0                                                    | 59.2                           | 5780                        | 82                                                                |
| 2240                 | AMI 500L4A    | 16023         | 1491                 | 96.6                 | 96.6               | 0.90                 | 0.89               | 2162                            | 5.5                                                  | 501                             | 14349                            | 0.6                                                  | 2.1                                                    | 64.8                           | 6160                        | 82                                                                |
| 1000 r/min = 6 poles |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 690 V 50 Hz          |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 450                  | AMI 400L6A    | 19018         | 992                  | 95.8                 | 95.7               | 0.86                 | 0.83               | 459                             | 5.6                                                  | 160                             | 4330                             | 0.7                                                  | 2.2                                                    | 22.5                           | 3400                        | 78                                                                |
| 500                  | AMI 400L6A    | 19019         | 993                  | 95.9                 | 95.7               | 0.83                 | 0.79               | 528                             | 5.6                                                  | 212                             | 4808                             | 0.8                                                  | 2.1                                                    | 22.7                           | 3400                        | 78                                                                |
| 560                  | AMI 400L6A    | 19020         | 992                  | 95.8                 | 95.8               | 0.84                 | 0.80               | 583                             | 5.8                                                  | 226                             | 5391                             | 0.8                                                  | 2.3                                                    | 22.3                           | 3400                        | 78                                                                |
| 630                  | AMI 400L6A    | 19021         | 992                  | 95.8                 | 95.6               | 0.79                 | 0.74               | 693                             | 5.8                                                  | 327                             | 6065                             | 0.9                                                  | 2.3                                                    | 23.0                           | 3490                        | 78                                                                |
| 710                  | AMI 400L6A    | 19022         | 991                  | 95.8                 | 95.8               | 0.83                 | 0.78               | 749                             | 5.8                                                  | 306                             | 6844                             | 0.8                                                  | 2.4                                                    | 23.3                           | 3490                        | 78                                                                |
| 800                  | AMI 400L6A    | 19023         | 990                  | 95.8                 | 96.0               | 0.84                 | 0.80               | 834                             | 5.5                                                  | 315                             | 7716                             | 0.7                                                  | 2.3                                                    | 23.6                           | 3500                        | 78                                                                |
| 900                  | AMI 450L6A    | 19024         | 990                  | 95.8                 | 96.1               | 0.87                 | 0.85               | 904                             | 5.2                                                  | 272                             | 8681                             | 0.7                                                  | 2.1                                                    | 35.7                           | 4040                        | 79                                                                |
| 1000                 | AMI 450L6A    | 19025         | 990                  | 95.9                 | 96.1               | 0.86                 | 0.83               | 1018                            | 5.2                                                  | 329                             | 9648                             | 0.7                                                  | 2.1                                                    | 35.7                           | 4060                        | 79                                                                |
| 1120                 | AMI 450L6A    | 16038         | 989                  | 95.9                 | 96.3               | 0.87                 | 0.86               | 1118                            | 4.9                                                  | 305                             | 10813                            | 0.7                                                  | 1.9                                                    | 39.8                           | 4300                        | 79                                                                |
| 1250                 | AMI 450L6A    | 16039         | 989                  | 96.1                 | 96.4               | 0.88                 | 0.87               | 1237                            | 5.0                                                  | 324                             | 12065                            | 0.7                                                  | 1.9                                                    | 44.3                           | 4550                        | 79                                                                |
| 1400                 | AMI 450L6A    | 16040         | 991                  | 96.3                 | 96.5               | 0.86                 | 0.83               | 1413                            | 5.6                                                  | 462                             | 13491                            | 0.8                                                  | 2.2                                                    | 46.6                           | 4690                        | 79                                                                |
| 1600                 | AMI 500L6A    | 16041         | 992                  | 96.3                 | 96.6               | 0.88                 | 0.87               | 1570                            | 5.5                                                  | 412                             | 15403                            | 0.8                                                  | 2.0                                                    | 75.3                           | 5930                        | 79                                                                |
| 1800                 | AMI 500L6A    | 16042         | 992                  | 96.5                 | 96.7               | 0.89                 | 0.87               | 1763                            | 5.5                                                  | 455                             | 17327                            | 0.8                                                  | 2.0                                                    | 82.3                           | 6230                        | 79                                                                |
| 2000                 | AMI 500L6A    | 16043         | 994                  | 96.5                 | 96.6               | 0.87                 | 0.84               | 2001                            | 7.2                                                  | 674                             | 19217                            | 1.1                                                  | 2.8                                                    | 100.3                          | 6340                        | 79                                                                |

# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
690 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_s$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_s$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                |
| 750 r/min = 8 poles  |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                |
| 690 V 50 Hz          |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                |
| 280                  | AMI 400L8A    | 19026         | 739                  | 94.7                 | 95.0               | 0.82                 | 0.79               | 302              | 4.6                    | 111              | 3619              | 1.0                    | 1.8                        | 18.9                           | 2960                        | 77                                             |
| 315                  | AMI 400L8A    | 19027         | 739                  | 94.7                 | 95.1               | 0.83                 | 0.81               | 334              | 4.4                    | 113              | 4073              | 0.8                    | 1.7                        | 19.1                           | 2970                        | 77                                             |
| 355                  | AMI 400L8A    | 19028         | 740                  | 95.1                 | 95.3               | 0.82                 | 0.79               | 380              | 4.7                    | 145              | 4582              | 0.9                    | 1.9                        | 19.2                           | 2990                        | 77                                             |
| 400                  | AMI 400L8A    | 19029         | 738                  | 94.8                 | 95.3               | 0.83                 | 0.81               | 426              | 4.2                    | 145              | 5176              | 0.8                    | 1.7                        | 19.2                           | 2990                        | 77                                             |
| 450                  | AMI 400L8A    | 19030         | 737                  | 94.7                 | 95.3               | 0.83                 | 0.82               | 477              | 4.1                    | 153              | 5828              | 0.7                    | 1.6                        | 20.6                           | 3070                        | 77                                             |
| 500                  | AMI 400L8A    | 19031         | 737                  | 94.8                 | 95.4               | 0.84                 | 0.82               | 528              | 4.1                    | 168              | 6476              | 0.8                    | 1.6                        | 22.0                           | 3170                        | 77                                             |
| 560                  | AMI 400L8A    | 19032         | 738                  | 95.0                 | 95.5               | 0.83                 | 0.81               | 594              | 4.2                    | 197              | 7241              | 0.8                    | 1.6                        | 23.6                           | 3270                        | 77                                             |
| 630                  | AMI 400L8A    | 19033         | 741                  | 95.4                 | 95.7               | 0.82                 | 0.79               | 672              | 4.9                    | 261              | 8122              | 0.8                    | 1.9                        | 26.7                           | 3460                        | 77                                             |
| 710                  | AMI 450L8A    | 19034         | 737                  | 95.0                 | 95.6               | 0.85                 | 0.84               | 733              | 4.0                    | 207              | 9194              | 0.6                    | 1.6                        | 39.9                           | 4010                        | 77                                             |
| 800                  | AMI 450L8A    | 19035         | 741                  | 95.5                 | 95.9               | 0.82                 | 0.80               | 852              | 4.4                    | 294              | 10312             | 0.7                    | 1.7                        | 40.6                           | 4030                        | 77                                             |
| 900                  | AMI 450L8A    | 19036         | 741                  | 95.6                 | 96.0               | 0.84                 | 0.82               | 941              | 4.6                    | 303              | 11605             | 0.7                    | 1.7                        | 45.8                           | 4280                        | 77                                             |
| 1000                 | AMI 450L8A    | 19037         | 742                  | 95.9                 | 96.2               | 0.83                 | 0.80               | 1055             | 4.9                    | 369              | 12874             | 0.9                    | 1.8                        | 51.3                           | 4530                        | 77                                             |
| 1120                 | AMI 500L8A    | 16062         | 742                  | 95.9                 | 96.1               | 0.86                 | 0.84               | 1142             | 4.9                    | 354              | 14414             | 0.7                    | 1.9                        | 79.6                           | 5580                        | 77                                             |
| 1250                 | AMI 500L8A    | 16063         | 742                  | 95.9                 | 96.2               | 0.85                 | 0.83               | 1278             | 5.0                    | 405              | 16086             | 0.7                    | 1.9                        | 84.0                           | 5740                        | 77                                             |
| 1400                 | AMI 500L8A    | 16064         | 743                  | 96.2                 | 96.3               | 0.86                 | 0.84               | 1418             | 5.5                    | 456              | 17996             | 0.8                    | 2.1                        | 101.8                          | 6360                        | 77                                             |
| 600 r/min = 10 poles |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                |
| 690 V 50 Hz          |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                |
| 200                  | AMI 400L10A   | 16072         | 592                  | 93.8                 | 93.8               | 0.73                 | 0.68               | 243              | 4.3                    | 125              | 3226              | 0.8                    | 1.9                        | 17.7                           | 2860                        | 76                                             |
| 224                  | AMI 400L10A   | 16073         | 592                  | 94.0                 | 94.1               | 0.75                 | 0.70               | 265              | 4.2                    | 126              | 3615              | 0.7                    | 1.8                        | 19.2                           | 2970                        | 76                                             |
| 250                  | AMI 400L10A   | 16074         | 592                  | 94.2                 | 94.3               | 0.75                 | 0.70               | 297              | 4.3                    | 145              | 4032              | 0.8                    | 1.8                        | 20.6                           | 3070                        | 76                                             |
| 280                  | AMI 400L10A   | 16075         | 593                  | 94.4                 | 94.3               | 0.73                 | 0.67               | 339              | 4.6                    | 177              | 4511              | 0.9                    | 1.9                        | 22.1                           | 3170                        | 76                                             |
| 315                  | AMI 400L10A   | 16076         | 593                  | 94.6                 | 94.4               | 0.73                 | 0.67               | 381              | 4.8                    | 202              | 5071              | 0.9                    | 2.0                        | 24.9                           | 3370                        | 76                                             |
| 355                  | AMI 400L10A   | 16077         | 592                  | 94.6                 | 94.6               | 0.75                 | 0.70               | 419              | 4.3                    | 202              | 5725              | 0.8                    | 1.8                        | 24.9                           | 3370                        | 76                                             |
| 400                  | AMI 400L10A   | 16078         | 593                  | 94.7                 | 94.7               | 0.75                 | 0.69               | 474              | 4.5                    | 234              | 6444              | 0.8                    | 1.8                        | 29.2                           | 3650                        | 76                                             |
| 450                  | AMI 450L10A   | 16079         | 592                  | 95.1                 | 95.4               | 0.81                 | 0.77               | 490              | 4.5                    | 197              | 7259              | 0.8                    | 1.9                        | 40.2                           | 3990                        | 76                                             |
| 500                  | AMI 450L10A   | 16080         | 592                  | 95.2                 | 95.5               | 0.81                 | 0.77               | 542              | 4.5                    | 214              | 8066              | 0.8                    | 1.8                        | 42.9                           | 4110                        | 76                                             |
| 560                  | AMI 450L10A   | 16081         | 592                  | 95.2                 | 95.5               | 0.82                 | 0.79               | 599              | 4.5                    | 224              | 9036              | 0.8                    | 1.8                        | 48.3                           | 4380                        | 76                                             |
| 630                  | AMI 450L10A   | 16082         | 592                  | 95.2                 | 95.6               | 0.83                 | 0.80               | 669              | 4.4                    | 238              | 10168             | 0.8                    | 1.8                        | 53.7                           | 4630                        | 76                                             |
| 710                  | AMI 500L10A   | 16083         | 593                  | 95.5                 | 95.8               | 0.84                 | 0.81               | 744              | 4.8                    | 266              | 11432             | 0.8                    | 1.9                        | 75.6                           | 5410                        | 76                                             |
| 800                  | AMI 500L10A   | 16084         | 593                  | 95.6                 | 95.9               | 0.84                 | 0.82               | 834              | 4.6                    | 280              | 12890             | 0.7                    | 1.8                        | 80.0                           | 5570                        | 76                                             |
| 900                  | AMI 500L10A   | 16085         | 592                  | 95.7                 | 96.1               | 0.84                 | 0.82               | 933              | 4.5                    | 301              | 14508             | 0.7                    | 1.8                        | 84.5                           | 5730                        | 76                                             |
| 1000                 | AMI 500L10A   | 16086         | 593                  | 95.8                 | 96.1               | 0.85                 | 0.82               | 1032             | 4.7                    | 336              | 16109             | 0.8                    | 1.8                        | 98.0                           | 6180                        | 76                                             |
| 500 r/min = 12 poles |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                |
| 690 V 50 Hz          |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                |
| 160                  | AMI 400L12A   | 16087         | 492                  | 92.6                 | 92.6               | 0.70                 | 0.64               | 206              | 3.7                    | 111              | 3106              | 0.7                    | 1.7                        | 17.8                           | 2880                        | 76                                             |
| 180                  | AMI 400L12A   | 16088         | 492                  | 92.8                 | 92.8               | 0.71                 | 0.65               | 229              | 3.7                    | 122              | 3494              | 0.7                    | 1.7                        | 19.2                           | 2970                        | 76                                             |
| 200                  | AMI 400L12A   | 16089         | 492                  | 92.9                 | 92.8               | 0.71                 | 0.65               | 254              | 3.7                    | 136              | 3881              | 0.7                    | 1.7                        | 20.7                           | 3060                        | 76                                             |
| 224                  | AMI 400L12A   | 16090         | 492                  | 93.3                 | 93.2               | 0.71                 | 0.66               | 281              | 3.8                    | 148              | 4344              | 0.8                    | 1.8                        | 23.6                           | 3280                        | 76                                             |
| 250                  | AMI 400L12A   | 16091         | 493                  | 93.3                 | 93.2               | 0.71                 | 0.65               | 315              | 3.9                    | 169              | 4847              | 0.8                    | 1.8                        | 25.0                           | 3360                        | 76                                             |
| 280                  | AMI 400L12A   | 16092         | 492                  | 93.4                 | 93.5               | 0.73                 | 0.68               | 345              | 3.7                    | 172              | 5433              | 0.7                    | 1.7                        | 27.9                           | 3560                        | 76                                             |
| 315                  | AMI 450L12A   | 16093         | 493                  | 94.5                 | 94.7               | 0.75                 | 0.69               | 372              | 4.2                    | 184              | 6097              | 0.8                    | 1.9                        | 40.3                           | 3990                        | 76                                             |
| 355                  | AMI 450L12A   | 16094         | 493                  | 94.6                 | 94.8               | 0.76                 | 0.71               | 414              | 4.1                    | 197              | 6875              | 0.7                    | 1.8                        | 43.0                           | 4120                        | 76                                             |
| 400                  | AMI 450L12A   | 16095         | 493                  | 94.8                 | 95.0               | 0.76                 | 0.71               | 464              | 4.2                    | 218              | 7744              | 0.8                    | 1.8                        | 48.4                           | 4380                        | 76                                             |
| 450                  | AMI 450L12A   | 16096         | 493                  | 94.8                 | 95.0               | 0.76                 | 0.70               | 525              | 4.2                    | 252              | 8710              | 0.8                    | 1.8                        | 51.1                           | 4490                        | 76                                             |
| 500                  | AMI 450L12A   | 16097         | 493                  | 94.9                 | 95.1               | 0.77                 | 0.72               | 575              | 4.2                    | 264              | 9680              | 0.8                    | 1.8                        | 56.6                           | 4740                        | 76                                             |
| 630                  | AMI 500L12A   | 16098         | 494                  | 95.2                 | 95.4               | 0.78                 | 0.74               | 710              | 4.3                    | 313              | 12175             | 0.7                    | 1.8                        | 84.7                           | 5730                        | 76                                             |
| 710                  | AMI 500L12A   | 16099         | 494                  | 95.4                 | 95.6               | 0.79                 | 0.75               | 789              | 4.3                    | 332              | 13725             | 0.7                    | 1.8                        | 93.7                           | 6040                        | 76                                             |
| 800                  | AMI 500L12A   | 16100         | 494                  | 95.4                 | 95.7               | 0.80                 | 0.76               | 881              | 4.2                    | 352              | 15469             | 0.7                    | 1.7                        | 107.2                          | 6520                        | 76                                             |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
690 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 3000 r/min = 2 poles |               |               |                      | 690 V 50 Hz          |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 630                  | AMI 400L2L    | 19038         | 2981                 | 96.2                 | 96.1               | 0.86                 | 0.83               | 636                             | 5.7                                                  | 204                             | 2018                             | 0.5                                                  | 2.5                                                    | 6.0                            | 2910                        | 82                                                                |
| 710                  | AMI 400L2L    | 19039         | 2978                 | 96.2                 | 96.2               | 0.87                 | 0.85               | 711                             | 5.1                                                  | 204                             | 2277                             | 0.4                                                  | 2.3                                                    | 6.0                            | 2910                        | 82                                                                |
| 800                  | AMI 400L2L    | 19040         | 2974                 | 96.0                 | 96.3               | 0.87                 | 0.86               | 799                             | 4.5                                                  | 204                             | 2569                             | 0.4                                                  | 2.0                                                    | 6.0                            | 2910                        | 82                                                                |
| 900                  | AMI 400L2L    | 19041         | 2980                 | 96.5                 | 96.6               | 0.87                 | 0.85               | 892                             | 5.7                                                  | 258                             | 2884                             | 0.5                                                  | 2.5                                                    | 6.9                            | 3140                        | 82                                                                |
| 1000                 | AMI 400L2L    | 19042         | 2977                 | 96.5                 | 96.7               | 0.88                 | 0.86               | 986                             | 5.2                                                  | 258                             | 3208                             | 0.4                                                  | 2.3                                                    | 6.9                            | 3140                        | 82                                                                |
| 1200                 | AMI 400L2L    | 16117         | 2974                 | 96.3                 | 96.7               | 0.89                 | 0.89               | 1169                            | 4.6                                                  | 218                             | 3854                             | 0.5                                                  | 1.9                                                    | 7.8                            | 3330                        | 82                                                                |
| 1400                 | AMI 450L2L    | 16118         | 2976                 | 96.5                 | 96.8               | 0.89                 | 0.88               | 1370                            | 4.6                                                  | 297                             | 4493                             | 0.4                                                  | 2.0                                                    | 11.8                           | 4140                        | 83                                                                |
| 1600                 | AMI 450L2L    | 16119         | 2977                 | 96.7                 | 96.9               | 0.89                 | 0.88               | 1561                            | 5.0                                                  | 343                             | 5132                             | 0.6                                                  | 2.1                                                    | 13.5                           | 4400                        | 83                                                                |
| 1800                 | AMI 500L2L    | 16120         | 2981                 | 96.6                 | 96.7               | 0.89                 | 0.88               | 1758                            | 4.9                                                  | 424                             | 5767                             | 0.4                                                  | 2.1                                                    | 20.3                           | 5150                        | 84                                                                |
| 2000                 | AMI 500L2L    | 16121         | 2979                 | 96.8                 | 96.9               | 0.90                 | 0.89               | 1911                            | 5.3                                                  | 433                             | 6410                             | 0.4                                                  | 2.3                                                    | 21.5                           | 5400                        | 84                                                                |
| 2240                 | AMI 500L2L    | 16122         | 2982                 | 97.0                 | 97.1               | 0.90                 | 0.90               | 2137                            | 5.3                                                  | 456                             | 7174                             | 0.5                                                  | 2.2                                                    | 24.0                           | 5740                        | 84                                                                |
| 2500                 | AMI 500L2L    | 16123         | 2983                 | 97.1                 | 97.2               | 0.88                 | 0.86               | 2452                            | 5.4                                                  | 637                             | 8002                             | 0.5                                                  | 2.3                                                    | 25.4                           | 5910                        | 84                                                                |
| 1500 r/min = 4 poles |               |               |                      | 690 V 50 Hz          |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 630                  | AMI 400L4L    | 19043         | 1487                 | 96.0                 | 96.1               | 0.88                 | 0.86               | 624                             | 5.9                                                  | 192                             | 4046                             | 0.7                                                  | 2.5                                                    | 15.0                           | 3010                        | 79                                                                |
| 710                  | AMI 400L4L    | 19044         | 1486                 | 96.0                 | 96.2               | 0.88                 | 0.87               | 700                             | 5.3                                                  | 194                             | 4562                             | 0.6                                                  | 2.2                                                    | 15.1                           | 3010                        | 79                                                                |
| 800                  | AMI 400L4L    | 19045         | 1485                 | 96.1                 | 96.3               | 0.89                 | 0.87               | 787                             | 5.5                                                  | 220                             | 5144                             | 0.7                                                  | 2.3                                                    | 16.0                           | 3110                        | 79                                                                |
| 900                  | AMI 400L4L    | 19046         | 1484                 | 96.0                 | 96.3               | 0.88                 | 0.87               | 887                             | 4.9                                                  | 222                             | 5790                             | 0.6                                                  | 2.0                                                    | 16.1                           | 3120                        | 79                                                                |
| 1000                 | AMI 400L4L    | 19047         | 1484                 | 96.2                 | 96.5               | 0.88                 | 0.86               | 991                             | 5.2                                                  | 269                             | 6433                             | 0.7                                                  | 2.1                                                    | 17.1                           | 3230                        | 79                                                                |
| 1120                 | AMI 400L4L    | 16128         | 1484                 | 96.1                 | 96.5               | 0.87                 | 0.86               | 1116                            | 4.7                                                  | 288                             | 7207                             | 0.6                                                  | 1.8                                                    | 17.2                           | 3230                        | 79                                                                |
| 1250                 | AMI 400L4L    | 16129         | 1484                 | 96.0                 | 96.5               | 0.88                 | 0.87               | 1241                            | 4.7                                                  | 302                             | 8046                             | 0.6                                                  | 1.8                                                    | 18.2                           | 3300                        | 79                                                                |
| 1300                 | AMI 400L4L    | 16130         | 1483                 | 96.0                 | 96.5               | 0.88                 | 0.89               | 1286                            | 4.1                                                  | 248                             | 8371                             | 0.5                                                  | 1.6                                                    | 19.4                           | 3420                        | 79                                                                |
| 1600                 | AMI 450L4L    | 16131         | 1487                 | 96.2                 | 96.5               | 0.88                 | 0.87               | 1585                            | 4.7                                                  | 402                             | 10277                            | 0.6                                                  | 1.8                                                    | 31.4                           | 4180                        | 80                                                                |
| 1800                 | AMI 450L4L    | 16132         | 1488                 | 96.5                 | 96.8               | 0.89                 | 0.88               | 1753                            | 5.3                                                  | 434                             | 11555                            | 0.7                                                  | 2.1                                                    | 35.1                           | 4460                        | 80                                                                |
| 2000                 | AMI 450L4L    | 16133         | 1486                 | 96.3                 | 96.7               | 0.89                 | 0.88               | 1958                            | 4.6                                                  | 436                             | 12854                            | 0.6                                                  | 1.8                                                    | 35.0                           | 4470                        | 80                                                                |
| 2240                 | AMI 500L4L    | 16134         | 1489                 | 96.4                 | 96.7               | 0.88                 | 0.88               | 2200                            | 4.8                                                  | 501                             | 14363                            | 0.6                                                  | 1.8                                                    | 56.7                           | 5520                        | 81                                                                |
| 2500                 | AMI 500L4L    | 16135         | 1490                 | 96.8                 | 97.0               | 0.89                 | 0.88               | 2435                            | 5.3                                                  | 576                             | 16021                            | 0.7                                                  | 2.0                                                    | 62.6                           | 5900                        | 81                                                                |
| 1000 r/min = 6 poles |               |               |                      | 690 V 50 Hz          |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 450                  | AMI 400L6L    | 19048         | 990                  | 95.8                 | 95.9               | 0.85                 | 0.82               | 463                             | 5.5                                                  | 166                             | 4339                             | 0.7                                                  | 2.2                                                    | 16.9                           | 2930                        | 77                                                                |
| 500                  | AMI 400L6L    | 19049         | 991                  | 95.8                 | 95.7               | 0.79                 | 0.73               | 554                             | 5.8                                                  | 264                             | 4816                             | 0.9                                                  | 2.4                                                    | 16.9                           | 2930                        | 77                                                                |
| 560                  | AMI 400L6L    | 19050         | 990                  | 95.8                 | 95.9               | 0.83                 | 0.78               | 591                             | 5.8                                                  | 243                             | 5402                             | 0.9                                                  | 2.4                                                    | 18.0                           | 3020                        | 77                                                                |
| 630                  | AMI 400L6L    | 19051         | 990                  | 95.8                 | 96.0               | 0.83                 | 0.79               | 664                             | 5.2                                                  | 256                             | 6079                             | 0.8                                                  | 2.1                                                    | 18.2                           | 3020                        | 77                                                                |
| 710                  | AMI 400L6L    | 19052         | 990                  | 95.8                 | 95.9               | 0.80                 | 0.75               | 776                             | 5.6                                                  | 350                             | 6846                             | 0.9                                                  | 2.3                                                    | 19.3                           | 3100                        | 77                                                                |
| 800                  | AMI 400L6L    | 19053         | 989                  | 95.8                 | 96.1               | 0.84                 | 0.82               | 827                             | 5.0                                                  | 285                             | 7723                             | 0.7                                                  | 2.0                                                    | 20.8                           | 3200                        | 77                                                                |
| 900                  | AMI 400L6L    | 19054         | 988                  | 95.8                 | 96.1               | 0.82                 | 0.78               | 964                             | 5.0                                                  | 381                             | 8696                             | 0.8                                                  | 2.0                                                    | 20.6                           | 3230                        | 77                                                                |
| 1000                 | AMI 400L6L    | 19055         | 988                  | 95.8                 | 96.2               | 0.85                 | 0.82               | 1033                            | 4.9                                                  | 346                             | 9668                             | 0.7                                                  | 2.0                                                    | 23.1                           | 3410                        | 77                                                                |
| 1120                 | AMI 450L6L    | 16147         | 988                  | 95.9                 | 96.4               | 0.87                 | 0.86               | 1119                            | 4.7                                                  | 299                             | 10822                            | 0.7                                                  | 1.9                                                    | 35.5                           | 3950                        | 78                                                                |
| 1250                 | AMI 450L6L    | 16148         | 989                  | 96.1                 | 96.5               | 0.87                 | 0.85               | 1255                            | 5.0                                                  | 370                             | 12064                            | 0.7                                                  | 2.0                                                    | 37.9                           | 4080                        | 78                                                                |
| 1400                 | AMI 450L6L    | 16149         | 989                  | 96.1                 | 96.6               | 0.87                 | 0.86               | 1393                            | 5.0                                                  | 377                             | 13518                            | 0.7                                                  | 2.0                                                    | 42.2                           | 4330                        | 78                                                                |
| 1600                 | AMI 450L6L    | 16150         | 989                  | 96.3                 | 96.7               | 0.87                 | 0.85               | 1605                            | 4.9                                                  | 462                             | 15441                            | 0.7                                                  | 1.9                                                    | 44.4                           | 4490                        | 78                                                                |
| 1800                 | AMI 500L6L    | 16151         | 991                  | 96.4                 | 96.8               | 0.87                 | 0.86               | 1785                            | 5.2                                                  | 485                             | 17343                            | 0.7                                                  | 2.0                                                    | 69.2                           | 5530                        | 79                                                                |
| 2000                 | AMI 500L6L    | 16152         | 991                  | 96.6                 | 96.9               | 0.88                 | 0.87               | 1971                            | 5.4                                                  | 522                             | 19265                            | 0.8                                                  | 2.0                                                    | 76.4                           | 5840                        | 79                                                                |
| 2240                 | AMI 500L6L    | 16153         | 991                  | 96.5                 | 96.9               | 0.89                 | 0.88               | 2193                            | 5.2                                                  | 522                             | 21592                            | 0.8                                                  | 1.9                                                    | 80.5                           | 5980                        | 79                                                                |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
690 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|---------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                               |
| 750 r/min = 8 poles  |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 690 V 50 Hz          |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 280                  | AMI 400L8L    | 19056         | 739                  | 95.0                 | 95.3               | 0.82                 | 0.79               | 301                             | 4.6                                                  | 111                             | 3617                             | 1.0                                                  | 1.8                                                    | 17.4                           | 2800                        | 75                                                            |
| 315                  | AMI 400L8L    | 19057         | 739                  | 95.0                 | 95.5               | 0.83                 | 0.81               | 333                             | 4.4                                                  | 113                             | 4070                             | 0.8                                                  | 1.7                                                    | 17.6                           | 2800                        | 75                                                            |
| 355                  | AMI 400L8L    | 19058         | 737                  | 94.7                 | 95.4               | 0.84                 | 0.83               | 373                             | 4.0                                                  | 113                             | 4600                             | 0.7                                                  | 1.6                                                    | 17.6                           | 2800                        | 75                                                            |
| 400                  | AMI 400L8L    | 19059         | 738                  | 95.1                 | 95.6               | 0.83                 | 0.81               | 425                             | 4.2                                                  | 145                             | 5173                             | 0.8                                                  | 1.7                                                    | 17.7                           | 2820                        | 75                                                            |
| 450                  | AMI 400L8L    | 19060         | 737                  | 94.8                 | 95.5               | 0.84                 | 0.82               | 474                             | 4.1                                                  | 148                             | 5832                             | 0.7                                                  | 1.6                                                    | 19.0                           | 2900                        | 75                                                            |
| 500                  | AMI 400L8L    | 19061         | 737                  | 94.9                 | 95.6               | 0.84                 | 0.82               | 525                             | 4.2                                                  | 163                             | 6479                             | 0.8                                                  | 1.6                                                    | 20.4                           | 3000                        | 75                                                            |
| 560                  | AMI 400L8L    | 19062         | 739                  | 95.3                 | 95.8               | 0.83                 | 0.80               | 591                             | 4.5                                                  | 211                             | 7232                             | 0.7                                                  | 1.8                                                    | 22.2                           | 3110                        | 75                                                            |
| 630                  | AMI 400L8L    | 19063         | 741                  | 95.4                 | 95.8               | 0.81                 | 0.78               | 684                             | 4.4                                                  | 266                             | 8115                             | 0.7                                                  | 1.7                                                    | 22.7                           | 3100                        | 75                                                            |
| 710                  | AMI 400L8L    | 19064         | 739                  | 95.2                 | 95.8               | 0.83                 | 0.80               | 750                             | 4.5                                                  | 270                             | 9176                             | 0.7                                                  | 1.8                                                    | 25.1                           | 3290                        | 75                                                            |
| 800                  | AMI 450L8L    | 19065         | 740                  | 95.6                 | 96.0               | 0.83                 | 0.80               | 844                             | 4.6                                                  | 307                             | 10323                            | 0.7                                                  | 1.9                                                    | 37.9                           | 3810                        | 76                                                            |
| 900                  | AMI 450L8L    | 19066         | 738                  | 95.3                 | 95.9               | 0.84                 | 0.82               | 938                             | 4.3                                                  | 304                             | 11639                            | 0.7                                                  | 1.7                                                    | 40.4                           | 3910                        | 76                                                            |
| 1000                 | AMI 450L8L    | 19067         | 739                  | 95.6                 | 96.2               | 0.84                 | 0.83               | 1042                            | 4.2                                                  | 315                             | 12918                            | 0.6                                                  | 1.6                                                    | 43.5                           | 4070                        | 76                                                            |
| 1120                 | AMI 500L8L    | 16171         | 742                  | 96.0                 | 96.2               | 0.86                 | 0.84               | 1141                            | 4.9                                                  | 353                             | 14414                            | 0.7                                                  | 1.9                                                    | 76.2                           | 5330                        | 77                                                            |
| 1250                 | AMI 500L8L    | 16172         | 742                  | 96.0                 | 96.3               | 0.85                 | 0.83               | 1277                            | 5.0                                                  | 405                             | 16086                            | 0.7                                                  | 1.9                                                    | 80.6                           | 5490                        | 77                                                            |
| 1400                 | AMI 500L8L    | 16173         | 742                  | 96.1                 | 96.4               | 0.86                 | 0.84               | 1417                            | 4.9                                                  | 414                             | 18021                            | 0.7                                                  | 1.9                                                    | 89.5                           | 5800                        | 77                                                            |
| 1600                 | AMI 500L8L    | 16174         | 742                  | 96.1                 | 96.5               | 0.86                 | 0.85               | 1614                            | 4.8                                                  | 456                             | 20599                            | 0.7                                                  | 1.8                                                    | 98.4                           | 6120                        | 77                                                            |
| 600 r/min = 10 poles |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 690 V 50 Hz          |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 224                  | AMI 400L10L   | 16183         | 592                  | 94.2                 | 94.3               | 0.75                 | 0.70               | 265                             | 4.2                                                  | 126                             | 3615                             | 0.7                                                  | 1.8                                                    | 17.7                           | 2800                        | 75                                                            |
| 250                  | AMI 400L10L   | 16184         | 592                  | 94.4                 | 94.4               | 0.75                 | 0.70               | 296                             | 4.3                                                  | 145                             | 4032                             | 0.8                                                  | 1.8                                                    | 19.1                           | 2900                        | 75                                                            |
| 280                  | AMI 400L10L   | 16185         | 593                  | 94.5                 | 94.5               | 0.73                 | 0.67               | 338                             | 4.6                                                  | 177                             | 4511                             | 0.9                                                  | 1.9                                                    | 20.6                           | 3000                        | 75                                                            |
| 315                  | AMI 400L10L   | 16186         | 593                  | 94.7                 | 94.6               | 0.73                 | 0.67               | 381                             | 4.8                                                  | 202                             | 5071                             | 0.9                                                  | 2.0                                                    | 23.4                           | 3210                        | 75                                                            |
| 355                  | AMI 400L10L   | 16187         | 592                  | 94.7                 | 94.7               | 0.75                 | 0.70               | 419                             | 4.3                                                  | 202                             | 5725                             | 0.8                                                  | 1.8                                                    | 23.4                           | 3200                        | 75                                                            |
| 400                  | AMI 400L10L   | 16188         | 592                  | 94.6                 | 94.8               | 0.76                 | 0.71               | 467                             | 4.2                                                  | 215                             | 6455                             | 0.8                                                  | 1.7                                                    | 24.9                           | 3280                        | 75                                                            |
| 450                  | AMI 400L10L   | 16189         | 592                  | 94.7                 | 94.9               | 0.76                 | 0.72               | 521                             | 4.2                                                  | 233                             | 7263                             | 0.8                                                  | 1.7                                                    | 27.7                           | 3490                        | 75                                                            |
| 500                  | AMI 450L10L   | 16190         | 592                  | 95.3                 | 95.6               | 0.81                 | 0.77               | 542                             | 4.5                                                  | 214                             | 8066                             | 0.8                                                  | 1.8                                                    | 40.7                           | 3910                        | 76                                                            |
| 560                  | AMI 450L10L   | 16191         | 592                  | 95.2                 | 95.6               | 0.82                 | 0.79               | 599                             | 4.5                                                  | 224                             | 9035                             | 0.8                                                  | 1.8                                                    | 46.1                           | 4170                        | 76                                                            |
| 630                  | AMI 450L10L   | 16192         | 592                  | 95.3                 | 95.7               | 0.83                 | 0.80               | 668                             | 4.4                                                  | 238                             | 10168                            | 0.8                                                  | 1.8                                                    | 51.5                           | 4420                        | 76                                                            |
| 710                  | AMI 500L10L   | 16193         | 593                  | 95.6                 | 95.9               | 0.84                 | 0.81               | 744                             | 4.8                                                  | 266                             | 11432                            | 0.8                                                  | 1.9                                                    | 72.2                           | 5160                        | 77                                                            |
| 800                  | AMI 500L10L   | 16194         | 593                  | 95.6                 | 96.0               | 0.84                 | 0.82               | 833                             | 4.6                                                  | 280                             | 12890                            | 0.7                                                  | 1.8                                                    | 76.6                           | 5320                        | 77                                                            |
| 900                  | AMI 500L10L   | 16195         | 592                  | 95.8                 | 96.2               | 0.84                 | 0.82               | 933                             | 4.5                                                  | 301                             | 14508                            | 0.7                                                  | 1.8                                                    | 81.1                           | 5480                        | 77                                                            |
| 1000                 | AMI 500L10L   | 16196         | 593                  | 95.9                 | 96.2               | 0.85                 | 0.82               | 1031                            | 4.7                                                  | 336                             | 16109                            | 0.8                                                  | 1.8                                                    | 94.6                           | 5930                        | 77                                                            |
| 1120                 | AMI 500L10L   | 16197         | 593                  | 95.9                 | 96.3               | 0.85                 | 0.83               | 1150                            | 4.6                                                  | 355                             | 18050                            | 0.7                                                  | 1.8                                                    | 103.5                          | 6250                        | 77                                                            |
| 500 r/min = 12 poles |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 690 V 50 Hz          |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 160                  | AMI 400L12L   | 16198         | 492                  | 92.7                 | 92.7               | 0.70                 | 0.64               | 205                             | 3.7                                                  | 111                             | 3106                             | 0.7                                                  | 1.7                                                    | 16.3                           | 2710                        | 75                                                            |
| 180                  | AMI 400L12L   | 16199         | 492                  | 92.9                 | 92.9               | 0.71                 | 0.65               | 229                             | 3.7                                                  | 122                             | 3494                             | 0.7                                                  | 1.7                                                    | 17.7                           | 2810                        | 75                                                            |
| 200                  | AMI 400L12L   | 16200         | 492                  | 93.0                 | 93.0               | 0.71                 | 0.65               | 254                             | 3.7                                                  | 136                             | 3881                             | 0.7                                                  | 1.7                                                    | 19.2                           | 2900                        | 75                                                            |
| 224                  | AMI 400L12L   | 16201         | 492                  | 93.4                 | 93.3               | 0.71                 | 0.66               | 281                             | 3.8                                                  | 148                             | 4344                             | 0.8                                                  | 1.8                                                    | 22.1                           | 3110                        | 75                                                            |
| 250                  | AMI 400L12L   | 16202         | 493                  | 93.4                 | 93.3               | 0.71                 | 0.65               | 315                             | 3.9                                                  | 169                             | 4847                             | 0.8                                                  | 1.8                                                    | 23.5                           | 3200                        | 75                                                            |
| 280                  | AMI 400L12L   | 16203         | 493                  | 93.5                 | 93.4               | 0.71                 | 0.65               | 355                             | 3.9                                                  | 192                             | 5427                             | 0.8                                                  | 1.8                                                    | 25.0                           | 3300                        | 75                                                            |
| 315                  | AMI 400L12L   | 16204         | 494                  | 93.7                 | 93.5               | 0.68                 | 0.61               | 414                             | 4.1                                                  | 247                             | 6090                             | 0.8                                                  | 1.9                                                    | 26.7                           | 3400                        | 75                                                            |
| 355                  | AMI 450L12L   | 16205         | 493                  | 94.7                 | 94.9               | 0.76                 | 0.71               | 414                             | 4.1                                                  | 197                             | 6875                             | 0.7                                                  | 1.8                                                    | 40.8                           | 3920                        | 76                                                            |
| 400                  | AMI 450L12L   | 16206         | 493                  | 94.9                 | 95.1               | 0.76                 | 0.71               | 463                             | 4.2                                                  | 218                             | 7744                             | 0.8                                                  | 1.8                                                    | 46.2                           | 4170                        | 76                                                            |
| 450                  | AMI 450L12L   | 16207         | 493                  | 94.9                 | 95.1               | 0.76                 | 0.70               | 525                             | 4.2                                                  | 252                             | 8710                             | 0.8                                                  | 1.8                                                    | 48.9                           | 4280                        | 76                                                            |
| 500                  | AMI 450L12L   | 16208         | 493                  | 95.0                 | 95.2               | 0.77                 | 0.72               | 575                             | 4.2                                                  | 264                             | 9680                             | 0.8                                                  | 1.8                                                    | 54.4                           | 4530                        | 76                                                            |
| 630                  | AMI 500L12L   | 16209         | 494                  | 95.3                 | 95.5               | 0.78                 | 0.74               | 709                             | 4.3                                                  | 313                             | 12175                            | 0.7                                                  | 1.8                                                    | 81.3                           | 5480                        | 77                                                            |
| 710                  | AMI 500L12L   | 16210         | 494                  | 95.5                 | 95.7               | 0.79                 | 0.75               | 788                             | 4.3                                                  | 332                             | 13725                            | 0.7                                                  | 1.8                                                    | 90.3                           | 5790                        | 77                                                            |
| 800                  | AMI 500L12L   | 16211         | 494                  | 95.4                 | 95.7               | 0.80                 | 0.76               | 881                             | 4.2                                                  | 352                             | 15469                            | 0.7                                                  | 1.7                                                    | 103.8                          | 6270                        | 77                                                            |

# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|----------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_S$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_S$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                    |
| 3000 r/min = 2 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                    |
| 630                  | AMI 400L2A    | 10000         | 2976                 | 95.1                 | 95.0               | 0.86                 | 0.83               | 149              | 5.6                    | 44               | 2022              | 0.6                    | 2.4                        | 7.2                            | 3030                        | 85                                                 |
| 710                  | AMI 400L2A    | 10001         | 2974                 | 95.2                 | 95.2               | 0.86                 | 0.84               | 167              | 5.0                    | 46               | 2280              | 0.5                    | 2.2                        | 7.1                            | 3030                        | 85                                                 |
| 800                  | AMI 400L2A    | 10002         | 2974                 | 95.4                 | 95.5               | 0.88                 | 0.86               | 184              | 5.0                    | 45               | 2569              | 0.5                    | 2.1                        | 7.6                            | 3140                        | 85                                                 |
| 900                  | AMI 400L2A    | 10003         | 2975                 | 95.7                 | 95.7               | 0.87                 | 0.85               | 209              | 5.2                    | 54               | 2889              | 0.6                    | 2.2                        | 7.8                            | 3210                        | 85                                                 |
| 1000                 | AMI 400L2A    | 10004         | 2976                 | 95.9                 | 96.0               | 0.87                 | 0.86               | 230              | 5.4                    | 59               | 3209              | 0.6                    | 2.3                        | 8.3                            | 3320                        | 85                                                 |
| 1170                 | AMI 400L2A    | 10005         | 2975                 | 96.1                 | 96.2               | 0.89                 | 0.88               | 263              | 5.3                    | 57               | 3756              | 0.6                    | 2.2                        | 9.1                            | 3520                        | 85                                                 |
| 1200                 | AMI 400L2A    | 10006         | 2979                 | 96.2                 | 96.4               | 0.90                 | 0.89               | 268              | 5.4                    | 55               | 3846              | 0.6                    | 2.1                        | 11.9                           | 3640                        | 85                                                 |
| 1250                 | AMI 450L2A    | 10007         | 2970                 | 95.6                 | 95.8               | 0.87                 | 0.86               | 291              | 4.0                    | 66               | 4019              | 0.4                    | 1.8                        | 10.3                           | 4030                        | 86                                                 |
| 1400                 | AMI 450L2A    | 10008         | 2973                 | 96.0                 | 96.1               | 0.88                 | 0.87               | 319              | 4.3                    | 70               | 4496              | 0.4                    | 1.9                        | 11.2                           | 4250                        | 86                                                 |
| 1600                 | AMI 450L2A    | 10009         | 2976                 | 96.2                 | 96.3               | 0.87                 | 0.86               | 367              | 4.7                    | 90               | 5134              | 0.4                    | 2.0                        | 11.9                           | 4370                        | 86                                                 |
| 1800                 | AMI 450L2A    | 10010         | 2978                 | 96.5                 | 96.5               | 0.88                 | 0.86               | 409              | 5.2                    | 105              | 5771              | 0.5                    | 2.2                        | 13.3                           | 4670                        | 86                                                 |
| 1900                 | AMI 450L2A    | 10011         | 2985                 | 96.7                 | 96.8               | 0.89                 | 0.88               | 425              | 5.5                    | 104              | 6077              | 0.4                    | 2.3                        | 18.0                           | 4820                        | 86                                                 |
| 2000                 | AMI 500L2A    | 10012         | 2977                 | 96.2                 | 96.3               | 0.89                 | 0.88               | 451              | 4.3                    | 99               | 6416              | 0.4                    | 1.9                        | 19.8                           | 5210                        | 87                                                 |
| 2240                 | AMI 500L2A    | 10013         | 2979                 | 96.5                 | 96.6               | 0.90                 | 0.89               | 499              | 4.9                    | 113              | 7180              | 0.4                    | 2.1                        | 22.4                           | 5590                        | 87                                                 |
| 2650                 | AMI 500L2A    | 10014         | 2981                 | 96.8                 | 96.9               | 0.90                 | 0.90               | 582              | 5.4                    | 128              | 8489              | 0.5                    | 2.3                        | 26.3                           | 6180                        | 87                                                 |
| 2800                 | AMI 500L2A    | 10015         | 2987                 | 97.0                 | 97.1               | 0.91                 | 0.90               | 613              | 5.3                    | 127              | 8953              | 0.4                    | 2.2                        | 35.3                           | 6390                        | 87                                                 |
| 3150                 | AMI 560L2A B  | 10016         | 2979                 | 96.7                 | 96.8               | 0.92                 | 0.91               | 683              | 5.4                    | 125              | 10098             | 0.4                    | 2.6                        | 40.8                           | 9150                        | 80                                                 |
| 3550                 | AMI 560L2A B  | 10017         | 2981                 | 96.9                 | 96.9               | 0.90                 | 0.89               | 783              | 5.8                    | 174              | 11372             | 0.5                    | 2.8                        | 44.0                           | 9580                        | 80                                                 |
| 4000                 | AMI 560L2A B  | 10018         | 2982                 | 97.0                 | 97.1               | 0.91                 | 0.91               | 869              | 5.8                    | 169              | 12810             | 0.6                    | 2.8                        | 47.4                           | 10000                       | 80                                                 |
| 4200                 | AMI 560L2A B  | 10019         | 2982                 | 97.0                 | 97.1               | 0.91                 | 0.90               | 916              | 5.9                    | 181              | 13451             | 0.5                    | 2.8                        | 52.8                           | 10610                       | 80                                                 |
| 4500                 | AMI 560L2A B  | 10020         | 2988                 | 97.3                 | 97.4               | 0.92                 | 0.92               | 962              | 5.8                    | 152              | 14379             | 0.4                    | 2.6                        | 70.1                           | 10950                       | 80                                                 |
| 5000                 | AMI 630L2A B  | 10021         | 2985                 | 96.8                 | 96.7               | 0.90                 | 0.89               | 1108             | 5.7                    | 215              | 15998             | 0.4                    | 2.8                        | 91.7                           | 12630                       | 81                                                 |
| 5600                 | AMI 630L2A B  | 10022         | 2984                 | 96.9                 | 96.9               | 0.91                 | 0.91               | 1223             | 5.9                    | 188              | 17919             | 0.6                    | 2.8                        | 101.5                          | 13570                       | 81                                                 |
| 6200                 | AMI 630L2A B  | 10023         | 2989                 | 97.2                 | 97.1               | 0.93                 | 0.93               | 1326             | 5.9                    | 189              | 19808             | 0.4                    | 2.7                        | 135.5                          | 14200                       | 81                                                 |

# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|---------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>S</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>S</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                               |
|                      |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 1500 r/min = 4 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 630                  | AMI 400L4A    | 10024         | 1482                 | 94.6                 | 94.8               | 0.87                 | 0.86               | 146                             | 4.3                                                  | 38                              | 4058                             | 0.5                                                  | 1.8                                                    | 14.6                           | 2930                        | 79                                                            |
| 710                  | AMI 400L4A    | 10025         | 1484                 | 95.0                 | 95.2               | 0.87                 | 0.86               | 165                             | 4.8                                                  | 46                              | 4569                             | 0.6                                                  | 2.0                                                    | 15.6                           | 3030                        | 79                                                            |
| 800                  | AMI 400L4A    | 10026         | 1486                 | 95.2                 | 95.3               | 0.86                 | 0.83               | 188                             | 5.4                                                  | 62                              | 5142                             | 0.7                                                  | 2.2                                                    | 16.6                           | 3110                        | 79                                                            |
| 900                  | AMI 400L4A    | 10027         | 1486                 | 95.4                 | 95.5               | 0.86                 | 0.84               | 210                             | 5.4                                                  | 66                              | 5785                             | 0.7                                                  | 2.2                                                    | 17.6                           | 3210                        | 79                                                            |
| 1000                 | AMI 400L4A    | 10028         | 1486                 | 95.6                 | 95.7               | 0.86                 | 0.83               | 234                             | 5.5                                                  | 76                              | 6426                             | 0.7                                                  | 2.2                                                    | 18.6                           | 3320                        | 79                                                            |
| 1120                 | AMI 400L4A    | 10029         | 1486                 | 95.8                 | 96.0               | 0.88                 | 0.86               | 256                             | 5.5                                                  | 73                              | 7198                             | 0.8                                                  | 2.2                                                    | 20.6                           | 3520                        | 79                                                            |
| 1250                 | AMI 450L4A    | 10030         | 1486                 | 95.6                 | 95.7               | 0.88                 | 0.87               | 286                             | 5.3                                                  | 77                              | 8033                             | 0.7                                                  | 2.1                                                    | 30.9                           | 4190                        | 81                                                            |
| 1400                 | AMI 450L4A    | 10031         | 1487                 | 95.8                 | 95.9               | 0.87                 | 0.85               | 323                             | 5.7                                                  | 97                              | 8992                             | 0.7                                                  | 2.3                                                    | 32.6                           | 4310                        | 81                                                            |
| 1600                 | AMI 450L4A    | 10032         | 1487                 | 96.0                 | 96.1               | 0.87                 | 0.85               | 367                             | 5.9                                                  | 108                             | 10274                            | 0.8                                                  | 2.4                                                    | 36.1                           | 4540                        | 81                                                            |
| 1750                 | AMI 450L4A    | 10033         | 1489                 | 96.2                 | 96.2               | 0.87                 | 0.85               | 403                             | 5.8                                                  | 124                             | 11224                            | 0.7                                                  | 2.4                                                    | 38.3                           | 4680                        | 81                                                            |
| 1800                 | AMI 500L4A    | 10034         | 1489                 | 95.8                 | 95.9               | 0.88                 | 0.87               | 411                             | 4.8                                                  | 102                             | 11545                            | 0.5                                                  | 1.9                                                    | 50.0                           | 5220                        | 82                                                            |
| 2000                 | AMI 500L4A    | 10035         | 1490                 | 96.1                 | 96.2               | 0.89                 | 0.87               | 452                             | 5.4                                                  | 116                             | 12817                            | 0.6                                                  | 2.1                                                    | 56.1                           | 5540                        | 82                                                            |
| 2240                 | AMI 500L4A    | 10036         | 1490                 | 96.3                 | 96.4               | 0.88                 | 0.87               | 507                             | 5.5                                                  | 131                             | 14354                            | 0.7                                                  | 2.1                                                    | 59.1                           | 5710                        | 82                                                            |
| 2500                 | AMI 500L4A    | 10037         | 1490                 | 96.4                 | 96.5               | 0.90                 | 0.89               | 558                             | 5.5                                                  | 131                             | 16020                            | 0.7                                                  | 2.1                                                    | 65.1                           | 6020                        | 82                                                            |
| 2750                 | AMI 500L4A    | 10038         | 1491                 | 96.6                 | 96.7               | 0.90                 | 0.89               | 609                             | 5.8                                                  | 141                             | 17618                            | 0.7                                                  | 2.2                                                    | 71.1                           | 6360                        | 82                                                            |
| 3250                 | AMI 560L4A B  | 10039         | 1490                 | 96.3                 | 96.4               | 0.87                 | 0.87               | 742                             | 4.8                                                  | 163                             | 20833                            | 0.5                                                  | 2.1                                                    | 104.3                          | 8090                        | 86                                                            |
| 3750                 | AMI 560L4A B  | 10040         | 1490                 | 96.5                 | 96.7               | 0.89                 | 0.90               | 836                             | 4.9                                                  | 154                             | 24037                            | 0.5                                                  | 2.1                                                    | 118.4                          | 8660                        | 86                                                            |
| 4250                 | AMI 560L4A B  | 10041         | 1491                 | 96.7                 | 96.9               | 0.89                 | 0.88               | 954                             | 5.5                                                  | 207                             | 27222                            | 0.6                                                  | 2.4                                                    | 127.8                          | 9070                        | 86                                                            |
| 4750                 | AMI 560L4A B  | 10042         | 1491                 | 96.9                 | 97.0               | 0.88                 | 0.86               | 1077                            | 5.8                                                  | 263                             | 30422                            | 0.7                                                  | 2.6                                                    | 140.2                          | 9670                        | 86                                                            |
| 5000                 | AMI 630L4A B  | 10043         | 1489                 | 96.7                 | 96.8               | 0.89                 | 0.89               | 1121                            | 4.8                                                  | 216                             | 32055                            | 0.5                                                  | 2.1                                                    | 183.2                          | 11360                       | 87                                                            |
| 5600                 | AMI 630L4A B  | 10044         | 1491                 | 97.0                 | 97.1               | 0.89                 | 0.89               | 1244                            | 5.4                                                  | 259                             | 35855                            | 0.6                                                  | 2.4                                                    | 206.7                          | 12180                       | 87                                                            |
| 6100                 | AMI 630L4A B  | 10045         | 1491                 | 97.0                 | 97.2               | 0.90                 | 0.90               | 1348                            | 4.9                                                  | 222                             | 39067                            | 0.5                                                  | 2.1                                                    | 222.6                          | 12660                       | 87                                                            |
| 7100                 | AMI 630L4A B  | 10046         | 1492                 | 97.2                 | 97.3               | 0.88                 | 0.87               | 1591                            | 5.6                                                  | 363                             | 45428                            | 0.6                                                  | 2.5                                                    | 243.8                          | 13390                       | 87                                                            |

# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                   |                                          |                           | Torque                     |                                          |                                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>L <sub>p</sub><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------|------------------------------------------|---------------------------|----------------------------|------------------------------------------|--------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | I <sub>N</sub><br><br>(A) | I <sub>S</sub><br>I <sub>N</sub><br>(pu) | I <sub>0</sub><br><br>(A) | T <sub>N</sub><br><br>(Nm) | T <sub>S</sub><br>T <sub>N</sub><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br>(pu) |                                |                             |                                                             |
| 1000 r/min = 6 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |
| 450                  | AMI 400L6A    | 10047         | 988                  | 94.7                 | 94.8               | 0.84                 | 0.81               | 109                       | 5.0                                      | 40                        | 4349                       | 0.8                                      | 2.0                                        | 17.0                           | 2950                        | 78                                                          |
| 500                  | AMI 400L6A    | 10048         | 987                  | 94.6                 | 94.9               | 0.85                 | 0.82               | 120                       | 4.6                                      | 40                        | 4839                       | 0.7                                      | 1.8                                        | 17.0                           | 2950                        | 78                                                          |
| 560                  | AMI 400L6A    | 10049         | 988                  | 94.8                 | 95.0               | 0.84                 | 0.81               | 136                       | 4.9                                      | 49                        | 5414                       | 0.8                                      | 2.0                                        | 18.2                           | 3030                        | 78                                                          |
| 630                  | AMI 400L6A    | 10050         | 988                  | 94.8                 | 95.0               | 0.81                 | 0.77               | 158                       | 5.0                                      | 65                        | 6089                       | 0.8                                      | 2.0                                        | 18.2                           | 3030                        | 78                                                          |
| 710                  | AMI 400L6A    | 10051         | 989                  | 95.2                 | 95.3               | 0.81                 | 0.77               | 177                       | 5.4                                      | 74                        | 6855                       | 0.9                                      | 2.2                                        | 20.7                           | 3220                        | 78                                                          |
| 830                  | AMI 400L6A    | 10052         | 990                  | 95.5                 | 95.5               | 0.82                 | 0.77               | 205                       | 5.9                                      | 85                        | 8006                       | 1.0                                      | 2.4                                        | 24.3                           | 3510                        | 78                                                          |
| 900                  | AMI 450L6A    | 10053         | 990                  | 95.6                 | 95.8               | 0.84                 | 0.82               | 214                       | 5.1                                      | 72                        | 8680                       | 0.7                                      | 2.1                                        | 35.4                           | 3970                        | 79                                                          |
| 1000                 | AMI 450L6A    | 10054         | 990                  | 95.7                 | 95.9               | 0.84                 | 0.82               | 238                       | 5.3                                      | 81                        | 9642                       | 0.7                                      | 2.1                                        | 37.7                           | 4090                        | 79                                                          |
| 1120                 | AMI 450L6A    | 10055         | 991                  | 95.9                 | 96.0               | 0.85                 | 0.82               | 265                       | 5.6                                      | 92                        | 10792                      | 0.8                                      | 2.2                                        | 42.2                           | 4320                        | 79                                                          |
| 1250                 | AMI 450L6A    | 10056         | 991                  | 95.9                 | 96.2               | 0.87                 | 0.85               | 290                       | 5.4                                      | 88                        | 12050                      | 0.7                                      | 2.1                                        | 46.7                           | 4570                        | 79                                                          |
| 1380                 | AMI 450L6A    | 10057         | 992                  | 96.2                 | 96.3               | 0.83                 | 0.80               | 331                       | 5.6                                      | 124                       | 13284                      | 0.7                                      | 2.3                                        | 49.3                           | 4720                        | 79                                                          |
| 1500                 | AMI 500L6A    | 10058         | 991                  | 96.0                 | 96.2               | 0.86                 | 0.84               | 349                       | 5.3                                      | 106                       | 14450                      | 0.8                                      | 2.0                                        | 61.6                           | 5240                        | 79                                                          |
| 1700                 | AMI 500L6A    | 10059         | 992                  | 96.2                 | 96.5               | 0.88                 | 0.86               | 388                       | 5.3                                      | 109                       | 16366                      | 0.7                                      | 2.0                                        | 69.6                           | 5550                        | 79                                                          |
| 1800                 | AMI 500L6A    | 10060         | 993                  | 96.3                 | 96.5               | 0.85                 | 0.82               | 424                       | 5.7                                      | 148                       | 17313                      | 0.8                                      | 2.2                                        | 75.5                           | 5810                        | 79                                                          |
| 2000                 | AMI 500L6A    | 10061         | 993                  | 96.5                 | 96.6               | 0.87                 | 0.84               | 460                       | 5.7                                      | 144                       | 19230                      | 0.7                                      | 2.2                                        | 83.8                           | 6120                        | 79                                                          |
| 2250                 | AMI 500L6A    | 10062         | 994                  | 96.6                 | 96.7               | 0.84                 | 0.81               | 533                       | 5.7                                      | 190                       | 21625                      | 0.7                                      | 2.2                                        | 90.9                           | 6450                        | 79                                                          |
| 2500                 | AMI 560L6A B  | 10063         | 992                  | 96.3                 | 96.5               | 0.87                 | 0.85               | 576                       | 5.3                                      | 154                       | 24060                      | 0.7                                      | 2.3                                        | 133.4                          | 7770                        | 83                                                          |
| 2800                 | AMI 560L6A B  | 10064         | 993                  | 96.5                 | 96.7               | 0.86                 | 0.84               | 649                       | 5.6                                      | 186                       | 26931                      | 0.7                                      | 2.4                                        | 145.4                          | 8160                        | 83                                                          |
| 3150                 | AMI 560L6A B  | 10065         | 994                  | 96.7                 | 96.9               | 0.86                 | 0.84               | 731                       | 5.9                                      | 218                       | 30277                      | 0.7                                      | 2.5                                        | 163.5                          | 8760                        | 83                                                          |
| 3550                 | AMI 560L6A B  | 10066         | 993                  | 96.8                 | 97.0               | 0.88                 | 0.87               | 805                       | 5.8                                      | 207                       | 34130                      | 0.7                                      | 2.4                                        | 182.2                          | 9340                        | 83                                                          |
| 3900                 | AMI 560L6A B  | 10067         | 994                  | 97.0                 | 97.2               | 0.87                 | 0.86               | 890                       | 5.6                                      | 234                       | 37455                      | 0.7                                      | 2.2                                        | 203.4                          | 9950                        | 83                                                          |
| 4500                 | AMI 630L6A B  | 10068         | 993                  | 96.9                 | 97.1               | 0.87                 | 0.86               | 1032                      | 5.0                                      | 254                       | 43279                      | 0.6                                      | 2.2                                        | 251.0                          | 11570                       | 84                                                          |
| 5000                 | AMI 630L6A B  | 10069         | 994                  | 97.1                 | 97.2               | 0.87                 | 0.85               | 1140                      | 5.8                                      | 310                       | 48030                      | 0.7                                      | 2.5                                        | 297.9                          | 12720                       | 84                                                          |
| 5700                 | AMI 630L6A B  | 10070         | 994                  | 97.2                 | 97.3               | 0.89                 | 0.88               | 1273                      | 5.8                                      | 303                       | 54756                      | 0.8                                      | 2.4                                        | 345.5                          | 13930                       | 84                                                          |

# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br>(kW)      | Motor<br>type | Product<br>ID | Speed<br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                     |                                                      |                             | Torque                       |                                                      |                                                        | Rotor<br>inertia<br>(kgm²) | Motor<br>weight<br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|---------------------|---------------|---------------|------------------|----------------------|--------------------|----------------------|--------------------|-----------------------------|------------------------------------------------------|-----------------------------|------------------------------|------------------------------------------------------|--------------------------------------------------------|----------------------------|-------------------------|---------------------------------------------------------------|
|                     |               |               |                  | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br>(A) | <i>I<sub>S</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br>(A) | <i>T<sub>N</sub></i><br>(Nm) | <i>T<sub>S</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                            |                         |                                                               |
| 750 r/min = 8 poles |               |               |                  |                      |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 3000 V 50 Hz        |               |               |                  |                      |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 280                 | AMI 400L8A    | 10071         | 742              | 94.6                 | 94.7               | 0.82                 | 0.78               | 70                          | 5.1                                                  | 29                          | 3604                         | 0.8                                                  | 2.1                                                    | 19.3                       | 2910                    | 77                                                            |
| 315                 | AMI 400L8A    | 10072         | 742              | 94.7                 | 94.8               | 0.81                 | 0.76               | 80                          | 5.1                                                  | 35                          | 4054                         | 0.8                                                  | 2.1                                                    | 19.3                       | 2920                    | 77                                                            |
| 355                 | AMI 400L8A    | 10073         | 741              | 94.5                 | 94.8               | 0.82                 | 0.78               | 88                          | 4.6                                                  | 35                          | 4576                         | 0.7                                                  | 1.8                                                    | 19.3                       | 2920                    | 77                                                            |
| 400                 | AMI 400L8A    | 10074         | 742              | 94.8                 | 95.0               | 0.80                 | 0.76               | 101                         | 5.0                                                  | 44                          | 5150                         | 0.8                                                  | 2.0                                                    | 20.7                       | 3020                    | 77                                                            |
| 450                 | AMI 400L8A    | 10075         | 741              | 94.9                 | 95.2               | 0.81                 | 0.77               | 112                         | 4.9                                                  | 46                          | 5796                         | 0.8                                                  | 1.9                                                    | 22.2                       | 3110                    | 77                                                            |
| 500                 | AMI 400L8A    | 10076         | 741              | 95.0                 | 95.3               | 0.82                 | 0.78               | 124                         | 4.9                                                  | 51                          | 6440                         | 0.8                                                  | 1.9                                                    | 23.6                       | 3210                    | 77                                                            |
| 560                 | AMI 400L8A    | 10077         | 742              | 95.1                 | 95.4               | 0.81                 | 0.77               | 139                         | 5.0                                                  | 58                          | 7211                         | 0.8                                                  | 2.0                                                    | 25.1                       | 3300                    | 77                                                            |
| 620                 | AMI 400L8A    | 10078         | 742              | 95.3                 | 95.5               | 0.82                 | 0.79               | 152                         | 5.0                                                  | 59                          | 7984                         | 0.8                                                  | 1.9                                                    | 28.0                       | 3490                    | 77                                                            |
| 630                 | AMI 450L8A    | 10079         | 743              | 95.5                 | 95.5               | 0.80                 | 0.74               | 159                         | 5.6                                                  | 74                          | 8096                         | 0.9                                                  | 2.3                                                    | 40.3                       | 3940                    | 77                                                            |
| 710                 | AMI 450L8A    | 10080         | 743              | 95.6                 | 95.6               | 0.79                 | 0.73               | 181                         | 5.8                                                  | 86                          | 9122                         | 0.9                                                  | 2.4                                                    | 43.0                       | 4060                    | 77                                                            |
| 800                 | AMI 450L8A    | 10081         | 743              | 95.6                 | 95.7               | 0.81                 | 0.76               | 199                         | 5.8                                                  | 88                          | 10277                        | 0.9                                                  | 2.4                                                    | 48.3                       | 4280                    | 77                                                            |
| 900                 | AMI 450L8A    | 10082         | 743              | 95.7                 | 95.9               | 0.82                 | 0.77               | 221                         | 5.6                                                  | 94                          | 11567                        | 0.9                                                  | 2.3                                                    | 51.0                       | 4400                    | 77                                                            |
| 1000                | AMI 450L8A    | 10083         | 743              | 95.8                 | 96.1               | 0.84                 | 0.81               | 239                         | 5.3                                                  | 88                          | 12861                        | 0.8                                                  | 2.1                                                    | 56.4                       | 4670                    | 77                                                            |
| 1120                | AMI 500L8A    | 10084         | 742              | 95.5                 | 95.7               | 0.83                 | 0.80               | 270                         | 5.1                                                  | 98                          | 14411                        | 0.8                                                  | 2.1                                                    | 74.5                       | 5320                    | 77                                                            |
| 1200                | AMI 500L8A    | 10085         | 742              | 95.6                 | 95.9               | 0.86                 | 0.84               | 282                         | 4.9                                                  | 87                          | 15446                        | 0.7                                                  | 1.9                                                    | 83.3                       | 5620                    | 77                                                            |
| 1350                | AMI 500L8A    | 10086         | 743              | 95.9                 | 96.1               | 0.84                 | 0.81               | 321                         | 5.5                                                  | 114                         | 17342                        | 0.8                                                  | 2.2                                                    | 92.9                       | 5940                    | 77                                                            |
| 1500                | AMI 500L8A    | 10087         | 745              | 96.2                 | 96.2               | 0.83                 | 0.79               | 363                         | 5.9                                                  | 140                         | 19234                        | 0.9                                                  | 2.2                                                    | 106.8                      | 6410                    | 77                                                            |
| 1800                | AMI 560L8A B  | 10088         | 744              | 96.3                 | 96.5               | 0.83                 | 0.81               | 435                         | 4.7                                                  | 141                         | 23102                        | 0.6                                                  | 1.9                                                    | 146.2                      | 7780                    | 78                                                            |
| 2000                | AMI 560L8A B  | 10089         | 743              | 96.3                 | 96.6               | 0.84                 | 0.83               | 473                         | 4.6                                                  | 135                         | 25698                        | 0.6                                                  | 1.8                                                    | 159.8                      | 8160                    | 78                                                            |
| 2240                | AMI 560L8A B  | 10090         | 744              | 96.4                 | 96.7               | 0.83                 | 0.81               | 540                         | 4.5                                                  | 164                         | 28751                        | 0.6                                                  | 1.8                                                    | 167.1                      | 8370                    | 78                                                            |
| 2500                | AMI 560L8A B  | 10091         | 744              | 96.5                 | 96.7               | 0.84                 | 0.82               | 594                         | 5.0                                                  | 184                         | 32075                        | 0.7                                                  | 1.9                                                    | 201.0                      | 9240                    | 78                                                            |
| 2900                | AMI 560L8A B  | 10092         | 746              | 96.8                 | 96.8               | 0.82                 | 0.79               | 701                         | 5.7                                                  | 259                         | 37144                        | 0.8                                                  | 2.2                                                    | 231.1                      | 10050                   | 78                                                            |
| 3150                | AMI 630L8A B  | 10093         | 744              | 96.6                 | 96.8               | 0.85                 | 0.85               | 736                         | 4.8                                                  | 190                         | 40433                        | 0.7                                                  | 1.8                                                    | 315.0                      | 11690                   | 79                                                            |
| 3550                | AMI 630L8A B  | 10094         | 745              | 96.8                 | 97.0               | 0.86                 | 0.85               | 824                         | 5.0                                                  | 218                         | 45519                        | 0.7                                                  | 1.9                                                    | 353.5                      | 12440                   | 79                                                            |
| 4000                | AMI 630L8A B  | 10095         | 746              | 97.0                 | 97.1               | 0.85                 | 0.84               | 929                         | 5.3                                                  | 255                         | 51236                        | 0.7                                                  | 2.0                                                    | 403.8                      | 13430                   | 79                                                            |
| 4200                | AMI 630L8A B  | 10096         | 746              | 97.0                 | 97.2               | 0.86                 | 0.85               | 970                         | 5.4                                                  | 264                         | 53783                        | 0.7                                                  | 2.0                                                    | 440.4                      | 14160                   | 79                                                            |

# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                   |                                          |                           | Torque                     |                                          |                                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>L <sub>p</sub><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------|------------------------------------------|---------------------------|----------------------------|------------------------------------------|--------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | I <sub>N</sub><br><br>(A) | I <sub>S</sub><br>I <sub>N</sub><br>(pu) | I <sub>0</sub><br><br>(A) | T <sub>N</sub><br><br>(Nm) | T <sub>S</sub><br>T <sub>N</sub><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br>(pu) |                                |                             |                                                             |
| 600 r/min = 10 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |
| 250                  | AMI 400L10A   | 10097         | 590                  | 93.4                 | 93.7               | 0.76                 | 0.72               | 67                        | 4.0                                      | 31                        | 4043                       | 0.7                                      | 1.7                                        | 19.0                           | 2920                        | 76                                                          |
| 280                  | AMI 400L10A   | 10098         | 590                  | 93.6                 | 93.9               | 0.77                 | 0.72               | 75                        | 3.9                                      | 33                        | 4529                       | 0.7                                      | 1.7                                        | 20.4                           | 3010                        | 76                                                          |
| 315                  | AMI 400L10A   | 10099         | 591                  | 93.7                 | 94.0               | 0.77                 | 0.72               | 84                        | 4.0                                      | 38                        | 5094                       | 0.7                                      | 1.7                                        | 21.9                           | 3110                        | 76                                                          |
| 355                  | AMI 400L10A   | 10100         | 592                  | 94.0                 | 94.1               | 0.76                 | 0.70               | 96                        | 4.4                                      | 47                        | 5730                       | 0.8                                      | 1.9                                        | 24.7                           | 3280                        | 76                                                          |
| 400                  | AMI 400L10A   | 10101         | 592                  | 94.2                 | 94.2               | 0.75                 | 0.70               | 109                       | 4.6                                      | 54                        | 6451                       | 0.8                                      | 1.9                                        | 27.6                           | 3470                        | 76                                                          |
| 450                  | AMI 450L10A   | 10102         | 591                  | 94.4                 | 94.9               | 0.82                 | 0.80               | 111                       | 4.2                                      | 40                        | 7268                       | 0.7                                      | 1.7                                        | 40.0                           | 3920                        | 76                                                          |
| 500                  | AMI 450L10A   | 10103         | 591                  | 94.6                 | 95.1               | 0.82                 | 0.79               | 123                       | 4.3                                      | 45                        | 8074                       | 0.7                                      | 1.7                                        | 42.7                           | 4040                        | 76                                                          |
| 560                  | AMI 450L10A   | 10104         | 592                  | 94.7                 | 95.2               | 0.82                 | 0.79               | 139                       | 4.4                                      | 52                        | 9038                       | 0.8                                      | 1.8                                        | 45.4                           | 4160                        | 76                                                          |
| 630                  | AMI 450L10A   | 10105         | 592                  | 94.9                 | 95.3               | 0.83                 | 0.80               | 155                       | 4.4                                      | 56                        | 10167                      | 0.8                                      | 1.8                                        | 50.8                           | 4400                        | 76                                                          |
| 710                  | AMI 450L10A   | 10106         | 592                  | 95.1                 | 95.4               | 0.82                 | 0.79               | 174                       | 4.6                                      | 66                        | 11451                      | 0.8                                      | 1.8                                        | 56.2                           | 4640                        | 76                                                          |
| 800                  | AMI 500L10A   | 10107         | 593                  | 95.5                 | 95.8               | 0.84                 | 0.81               | 193                       | 4.6                                      | 67                        | 12882                      | 0.7                                      | 1.8                                        | 75.7                           | 5340                        | 76                                                          |
| 900                  | AMI 500L10A   | 10108         | 593                  | 95.6                 | 96.0               | 0.84                 | 0.81               | 216                       | 4.7                                      | 75                        | 14485                      | 0.7                                      | 1.9                                        | 84.7                           | 5640                        | 76                                                          |
| 1000                 | AMI 500L10A   | 10109         | 594                  | 95.8                 | 96.0               | 0.83                 | 0.79               | 243                       | 5.1                                      | 93                        | 16076                      | 0.8                                      | 2.0                                        | 93.5                           | 5920                        | 76                                                          |
| 1150                 | AMI 500L10A   | 10110         | 595                  | 96.0                 | 96.1               | 0.82                 | 0.78               | 281                       | 5.5                                      | 116                       | 18470                      | 0.8                                      | 2.2                                        | 107.0                          | 6370                        | 76                                                          |
| 1250                 | AMI 560L10A B | 10112         | 593                  | 95.8                 | 96.1               | 0.84                 | 0.82               | 299                       | 4.9                                      | 98                        | 20133                      | 0.8                                      | 2.1                                        | 159.8                          | 7710                        | 75                                                          |
| 1400                 | AMI 560L10A B | 10113         | 593                  | 95.8                 | 96.1               | 0.84                 | 0.82               | 334                       | 4.8                                      | 105                       | 22559                      | 0.8                                      | 2.0                                        | 167.8                          | 7890                        | 75                                                          |
| 1600                 | AMI 560L10A B | 10114         | 593                  | 96.0                 | 96.3               | 0.85                 | 0.83               | 378                       | 4.8                                      | 119                       | 25762                      | 0.7                                      | 2.0                                        | 184.2                          | 8290                        | 75                                                          |
| 1800                 | AMI 560L10A B | 10115         | 594                  | 96.2                 | 96.5               | 0.84                 | 0.82               | 427                       | 5.1                                      | 145                       | 28945                      | 0.8                                      | 2.2                                        | 200.6                          | 8660                        | 75                                                          |
| 2000                 | AMI 560L10A B | 10116         | 595                  | 96.4                 | 96.7               | 0.85                 | 0.83               | 472                       | 4.8                                      | 148                       | 32111                      | 0.7                                      | 1.9                                        | 226.6                          | 9270                        | 75                                                          |
| 2300                 | AMI 560L10A B | 10117         | 596                  | 96.6                 | 96.8               | 0.83                 | 0.80               | 552                       | 5.7                                      | 208                       | 36874                      | 0.9                                      | 2.3                                        | 259.1                          | 10030                       | 75                                                          |
| 2500                 | AMI 630L10A B | 10118         | 595                  | 96.6                 | 96.8               | 0.85                 | 0.83               | 586                       | 5.4                                      | 187                       | 40123                      | 0.8                                      | 2.1                                        | 376.9                          | 11910                       | 76                                                          |
| 2800                 | AMI 630L10A B | 10119         | 595                  | 96.7                 | 96.9               | 0.85                 | 0.83               | 653                       | 5.4                                      | 203                       | 44933                      | 0.8                                      | 2.1                                        | 419.7                          | 12640                       | 76                                                          |
| 3000                 | AMI 630L10A B | 10120         | 596                  | 96.8                 | 97.0               | 0.85                 | 0.84               | 698                       | 5.5                                      | 211                       | 48105                      | 0.9                                      | 2.0                                        | 450.5                          | 13130                       | 76                                                          |
| 3300                 | AMI 630L10A B | 10121         | 597                  | 96.9                 | 97.1               | 0.85                 | 0.82               | 774                       | 5.7                                      | 253                       | 52819                      | 0.8                                      | 2.0                                        | 512.8                          | 14050                       | 76                                                          |

# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br>(kW)       | Motor<br>type | Product<br>ID | Speed<br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                     |                                                      |                             | Torque                       |                                                      |                                                        | Rotor<br>inertia<br>(kgm²) | Motor<br>weight<br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|------------------|----------------------|--------------------|----------------------|--------------------|-----------------------------|------------------------------------------------------|-----------------------------|------------------------------|------------------------------------------------------|--------------------------------------------------------|----------------------------|-------------------------|---------------------------------------------------------------|
|                      |               |               |                  | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br>(A) | <i>I<sub>S</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br>(A) | <i>T<sub>N</sub></i><br>(Nm) | <i>T<sub>S</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                            |                         |                                                               |
| 500 r/min = 12 poles |               |               |                  | 3000 V 50 Hz         |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 160                  | AMI 400L12A   | 10122         | 493              | 92.4                 | 92.3               | 0.72                 | 0.66               | 47                          | 3.8                                                  | 25                          | 3099                         | 0.7                                                  | 1.7                                                    | 19.3                       | 2920                    | 76                                                            |
| 180                  | AMI 400L12A   | 10123         | 492              | 92.3                 | 92.2               | 0.70                 | 0.64               | 53                          | 3.8                                                  | 29                          | 3492                         | 0.8                                                  | 1.8                                                    | 19.1                       | 2920                    | 76                                                            |
| 200                  | AMI 400L12A   | 10124         | 492              | 92.5                 | 92.4               | 0.71                 | 0.65               | 59                          | 3.8                                                  | 32                          | 3879                         | 0.8                                                  | 1.8                                                    | 20.5                       | 3010                    | 76                                                            |
| 224                  | AMI 400L12A   | 10125         | 492              | 92.7                 | 92.6               | 0.71                 | 0.65               | 66                          | 3.9                                                  | 36                          | 4343                         | 0.8                                                  | 1.8                                                    | 21.9                       | 3110                    | 76                                                            |
| 250                  | AMI 400L12A   | 10126         | 492              | 92.9                 | 92.8               | 0.72                 | 0.66               | 72                          | 3.8                                                  | 37                          | 4848                         | 0.8                                                  | 1.7                                                    | 24.8                       | 3300                    | 76                                                            |
| 290                  | AMI 400L12A   | 10127         | 492              | 93.1                 | 93.0               | 0.73                 | 0.67               | 83                          | 3.8                                                  | 42                          | 5624                         | 0.8                                                  | 1.7                                                    | 27.7                       | 3490                    | 76                                                            |
| 315                  | AMI 450L12A   | 10128         | 493              | 94.1                 | 94.1               | 0.74                 | 0.68               | 87                          | 4.4                                                  | 45                          | 6099                         | 0.9                                                  | 1.9                                                    | 39.7                       | 3900                    | 76                                                            |
| 355                  | AMI 450L12A   | 10129         | 493              | 94.0                 | 94.2               | 0.76                 | 0.71               | 96                          | 4.1                                                  | 45                          | 6882                         | 0.8                                                  | 1.8                                                    | 42.3                       | 4000                    | 76                                                            |
| 400                  | AMI 450L12A   | 10130         | 493              | 94.1                 | 94.4               | 0.77                 | 0.72               | 106                         | 4.0                                                  | 48                          | 7752                         | 0.7                                                  | 1.7                                                    | 45.2                       | 4130                    | 76                                                            |
| 450                  | AMI 450L12A   | 10131         | 493              | 94.2                 | 94.5               | 0.75                 | 0.70               | 122                         | 4.2                                                  | 59                          | 8721                         | 0.8                                                  | 1.8                                                    | 47.7                       | 4250                    | 76                                                            |
| 500                  | AMI 450L12A   | 10132         | 493              | 94.4                 | 94.7               | 0.77                 | 0.73               | 132                         | 4.0                                                  | 59                          | 9687                         | 0.7                                                  | 1.7                                                    | 53.3                       | 4490                    | 76                                                            |
| 530                  | AMI 450L12A   | 10133         | 493              | 94.6                 | 94.8               | 0.76                 | 0.71               | 141                         | 4.2                                                  | 66                          | 10260                        | 0.8                                                  | 1.8                                                    | 56.0                       | 4630                    | 76                                                            |
| 560                  | AMI 500L12A   | 10134         | 493              | 94.8                 | 95.1               | 0.78                 | 0.74               | 146                         | 4.0                                                  | 64                          | 10839                        | 0.6                                                  | 1.8                                                    | 70.7                       | 5170                    | 76                                                            |
| 630                  | AMI 500L12A   | 10135         | 494              | 95.0                 | 95.2               | 0.78                 | 0.74               | 163                         | 4.2                                                  | 72                          | 12186                        | 0.6                                                  | 1.9                                                    | 79.6                       | 5460                    | 76                                                            |
| 710                  | AMI 500L12A   | 10136         | 494              | 95.1                 | 95.3               | 0.78                 | 0.73               | 184                         | 4.5                                                  | 84                          | 13734                        | 0.7                                                  | 1.9                                                    | 88.0                       | 5760                    | 76                                                            |
| 800                  | AMI 500L12A   | 10137         | 494              | 95.3                 | 95.5               | 0.79                 | 0.75               | 206                         | 4.3                                                  | 87                          | 15458                        | 0.7                                                  | 1.8                                                    | 97.8                       | 6070                    | 76                                                            |
| 850                  | AMI 500L12A   | 10138         | 494              | 95.3                 | 95.4               | 0.78                 | 0.74               | 219                         | 4.6                                                  | 98                          | 16435                        | 0.7                                                  | 1.9                                                    | 105.9                      | 6370                    | 76                                                            |
| 1000                 | AMI 560L12A B | 10139         | 493              | 95.4                 | 96.0               | 0.83                 | 0.80               | 244                         | 4.1                                                  | 87                          | 19371                        | 0.6                                                  | 1.9                                                    | 160.8                      | 7680                    | 74                                                            |
| 1120                 | AMI 560L12A B | 10140         | 493              | 95.6                 | 96.0               | 0.81                 | 0.77               | 278                         | 4.3                                                  | 111                         | 21682                        | 0.6                                                  | 2.0                                                    | 160.8                      | 7700                    | 74                                                            |
| 1250                 | AMI 560L12A B | 10141         | 493              | 95.7                 | 96.2               | 0.81                 | 0.78               | 309                         | 4.4                                                  | 121                         | 24191                        | 0.6                                                  | 2.0                                                    | 176.9                      | 8080                    | 74                                                            |
| 1400                 | AMI 560L12A B | 10142         | 495              | 96.0                 | 96.4               | 0.80                 | 0.76               | 350                         | 4.6                                                  | 146                         | 27033                        | 0.7                                                  | 2.1                                                    | 194.1                      | 8470                    | 74                                                            |
| 1600                 | AMI 560L12A B | 10143         | 495              | 96.2                 | 96.6               | 0.81                 | 0.78               | 394                         | 4.4                                                  | 146                         | 30865                        | 0.7                                                  | 1.9                                                    | 227.1                      | 9240                    | 74                                                            |
| 1800                 | AMI 560L12A B | 10144         | 496              | 96.5                 | 96.7               | 0.79                 | 0.74               | 454                         | 4.9                                                  | 202                         | 34649                        | 0.7                                                  | 2.1                                                    | 262.1                      | 10000                   | 74                                                            |
| 2000                 | AMI 630L12A B | 10145         | 495              | 96.3                 | 96.8               | 0.84                 | 0.82               | 477                         | 4.6                                                  | 153                         | 38566                        | 0.7                                                  | 1.9                                                    | 351.9                      | 11390                   | 75                                                            |
| 2240                 | AMI 630L12A B | 10146         | 496              | 96.5                 | 96.9               | 0.84                 | 0.82               | 529                         | 4.8                                                  | 168                         | 43165                        | 0.7                                                  | 1.9                                                    | 424.3                      | 12570                   | 75                                                            |
| 2500                 | AMI 630L12A B | 10147         | 496              | 96.7                 | 96.9               | 0.83                 | 0.80               | 600                         | 5.5                                                  | 224                         | 48135                        | 0.9                                                  | 2.2                                                    | 478.5                      | 13520                   | 75                                                            |
| 2650                 | AMI 630L12A B | 10148         | 496              | 96.8                 | 97.0               | 0.82                 | 0.79               | 639                         | 5.7                                                  | 251                         | 50969                        | 0.9                                                  | 2.3                                                    | 510.5                      | 14000                   | 75                                                            |

# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 3000 r/min = 2 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 630                  | AMI 400L2A    | 10149         | 2975                 | 94.9                 | 94.8               | 0.87                 | 0.84               | 74                              | 5.6                                                  | 22                              | 2022                             | 0.6                                                  | 2.4                                                    | 7.3                            | 3000                        | 85                                                                |
| 710                  | AMI 400L2A    | 10150         | 2972                 | 94.9                 | 95.0               | 0.87                 | 0.85               | 83                              | 5.0                                                  | 22                              | 2282                             | 0.5                                                  | 2.1                                                    | 7.3                            | 3000                        | 85                                                                |
| 800                  | AMI 400L2A    | 10151         | 2971                 | 95.1                 | 95.3               | 0.88                 | 0.87               | 92                              | 5.0                                                  | 22                              | 2571                             | 0.5                                                  | 2.1                                                    | 7.7                            | 3110                        | 85                                                                |
| 900                  | AMI 400L2A    | 10152         | 2976                 | 95.6                 | 95.6               | 0.88                 | 0.86               | 103                             | 5.9                                                  | 28                              | 2888                             | 0.7                                                  | 2.5                                                    | 8.5                            | 3290                        | 85                                                                |
| 1000                 | AMI 400L2A    | 10153         | 2975                 | 95.8                 | 95.8               | 0.88                 | 0.86               | 115                             | 5.7                                                  | 30                              | 3210                             | 0.7                                                  | 2.4                                                    | 9.2                            | 3460                        | 85                                                                |
| 1150                 | AMI 400L2A    | 10155         | 2984                 | 96.3                 | 96.3               | 0.87                 | 0.86               | 132                             | 5.8                                                  | 33                              | 3680                             | 0.6                                                  | 2.4                                                    | 12.4                           | 3730                        | 85                                                                |
| 1250                 | AMI 450L2A    | 10156         | 2977                 | 95.7                 | 95.8               | 0.88                 | 0.87               | 143                             | 4.8                                                  | 35                              | 4009                             | 0.4                                                  | 2.1                                                    | 11.2                           | 4160                        | 86                                                                |
| 1400                 | AMI 450L2A    | 10157         | 2979                 | 96.1                 | 96.1               | 0.88                 | 0.87               | 159                             | 5.3                                                  | 40                              | 4487                             | 0.5                                                  | 2.2                                                    | 12.3                           | 4380                        | 86                                                                |
| 1600                 | AMI 450L2A    | 10158         | 2980                 | 96.3                 | 96.3               | 0.88                 | 0.87               | 181                             | 5.6                                                  | 46                              | 5128                             | 0.6                                                  | 2.4                                                    | 13.9                           | 4680                        | 86                                                                |
| 1700                 | AMI 450L2A    | 10159         | 2981                 | 96.4                 | 96.4               | 0.86                 | 0.84               | 198                             | 5.6                                                  | 56                              | 5446                             | 0.6                                                  | 2.4                                                    | 14.4                           | 4780                        | 86                                                                |
| 1800                 | AMI 450L2A    | 10160         | 2988                 | 96.7                 | 96.7               | 0.87                 | 0.85               | 205                             | 5.9                                                  | 58                              | 5752                             | 0.5                                                  | 2.4                                                    | 18.6                           | 4930                        | 86                                                                |
| 1800                 | AMI 500L2A    | 10161         | 2982                 | 96.2                 | 96.2               | 0.89                 | 0.88               | 202                             | 5.3                                                  | 52                              | 5764                             | 0.5                                                  | 2.3                                                    | 21.1                           | 5350                        | 87                                                                |
| 2000                 | AMI 500L2A    | 10162         | 2982                 | 96.4                 | 96.4               | 0.89                 | 0.88               | 224                             | 5.3                                                  | 57                              | 6404                             | 0.5                                                  | 2.3                                                    | 22.4                           | 5530                        | 87                                                                |
| 2240                 | AMI 500L2A    | 10163         | 2982                 | 96.5                 | 96.6               | 0.90                 | 0.90               | 247                             | 5.3                                                  | 54                              | 7174                             | 0.5                                                  | 2.2                                                    | 25.0                           | 5910                        | 87                                                                |
| 2360                 | AMI 500L2A    | 10164         | 2983                 | 96.7                 | 96.7               | 0.89                 | 0.88               | 264                             | 5.4                                                  | 65                              | 7554                             | 0.5                                                  | 2.3                                                    | 26.2                           | 6090                        | 87                                                                |
| 2600                 | AMI 500L2A    | 10165         | 2984                 | 96.8                 | 96.9               | 0.89                 | 0.88               | 290                             | 5.7                                                  | 72                              | 8320                             | 0.5                                                  | 2.4                                                    | 28.5                           | 6430                        | 87                                                                |
| 2700                 | AMI 500L2A    | 10166         | 2989                 | 97.0                 | 97.0               | 0.90                 | 0.89               | 298                             | 5.8                                                  | 70                              | 8626                             | 0.4                                                  | 2.4                                                    | 38.0                           | 6660                        | 87                                                                |
| 2900                 | AMI 560L2A B  | 10167         | 2979                 | 96.5                 | 96.6               | 0.90                 | 0.90               | 321                             | 4.9                                                  | 65                              | 9297                             | 0.4                                                  | 2.4                                                    | 38.8                           | 8850                        | 80                                                                |
| 3300                 | AMI 560L2A B  | 10168         | 2981                 | 96.7                 | 96.8               | 0.91                 | 0.90               | 363                             | 5.3                                                  | 74                              | 10572                            | 0.4                                                  | 2.5                                                    | 42.1                           | 9270                        | 80                                                                |
| 3700                 | AMI 560L2A B  | 10169         | 2984                 | 96.9                 | 97.0               | 0.91                 | 0.90               | 405                             | 5.6                                                  | 82                              | 11843                            | 0.5                                                  | 2.7                                                    | 46.9                           | 9900                        | 80                                                                |
| 4200                 | AMI 560L2A B  | 10170         | 2984                 | 97.1                 | 97.1               | 0.91                 | 0.91               | 456                             | 5.8                                                  | 86                              | 13443                            | 0.5                                                  | 2.7                                                    | 52.2                           | 10560                       | 80                                                                |
| 4550                 | AMI 560L2A B  | 10171         | 2988                 | 97.3                 | 97.3               | 0.91                 | 0.90               | 495                             | 5.9                                                  | 102                             | 14543                            | 0.4                                                  | 2.7                                                    | 67.6                           | 10790                       | 80                                                                |
| 4800                 | AMI 630L2A B  | 10172         | 2983                 | 96.7                 | 96.6               | 0.91                 | 0.90               | 526                             | 5.6                                                  | 99                              | 15365                            | 0.4                                                  | 2.7                                                    | 89.1                           | 12380                       | 81                                                                |
| 5200                 | AMI 630L2A B  | 10173         | 2983                 | 96.8                 | 96.8               | 0.92                 | 0.92               | 560                             | 5.8                                                  | 75                              | 16644                            | 0.5                                                  | 2.7                                                    | 98.6                           | 13210                       | 81                                                                |
| 5600                 | AMI 630L2A B  | 10174         | 2984                 | 96.8                 | 96.7               | 0.90                 | 0.90               | 615                             | 5.9                                                  | 116                             | 17920                            | 0.5                                                  | 2.8                                                    | 108.7                          | 13940                       | 81                                                                |
| 6200                 | AMI 630L2A B  | 10175         | 2990                 | 97.1                 | 97.1               | 0.91                 | 0.91               | 672                             | 5.8                                                  | 117                             | 19800                            | 0.4                                                  | 2.6                                                    | 141.2                          | 14360                       | 81                                                                |

# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                          |                                                        |                                  | Torque                            |                                                        |                                                          | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L</i> <sub>p</sub><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|----------------------------------|--------------------------------------------------------|----------------------------------|-----------------------------------|--------------------------------------------------------|----------------------------------------------------------|--------------------------------|-----------------------------|--------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I</i> <sub>N</sub><br><br>(A) | <i>I</i> <sub>s</sub><br><i>I</i> <sub>N</sub><br>(pu) | <i>I</i> <sub>0</sub><br><br>(A) | <i>T</i> <sub>N</sub><br><br>(Nm) | <i>T</i> <sub>s</sub><br><i>T</i> <sub>N</sub><br>(pu) | <i>T</i> <sub>max</sub><br><i>T</i> <sub>N</sub><br>(pu) |                                |                             |                                                                    |
| 1500 r/min = 4 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                                  |                                                        |                                  |                                   |                                                        |                                                          |                                |                             |                                                                    |
| 630                  | AMI 400L4A    | 10176         | 1486                 | 94.4                 | 94.6               | 0.87                 | 0.85               | 73                               | 5.1                                                    | 22                               | 4049                              | 0.6                                                    | 2.1                                                      | 15.6                           | 2960                        | 79                                                                 |
| 710                  | AMI 400L4A    | 10177         | 1485                 | 94.6                 | 94.9               | 0.89                 | 0.87               | 82                               | 5.0                                                    | 22                               | 4565                              | 0.6                                                    | 2.0                                                      | 16.6                           | 3060                        | 79                                                                 |
| 800                  | AMI 400L4A    | 10178         | 1486                 | 95.2                 | 95.2               | 0.86                 | 0.83               | 94                               | 5.9                                                    | 32                               | 5140                              | 0.8                                                    | 2.4                                                      | 17.5                           | 3170                        | 79                                                                 |
| 900                  | AMI 400L4A    | 10179         | 1487                 | 95.4                 | 95.4               | 0.86                 | 0.83               | 106                              | 6.0                                                    | 37                               | 5781                              | 0.9                                                    | 2.4                                                      | 18.5                           | 3270                        | 79                                                                 |
| 1000                 | AMI 400L4A    | 10180         | 1486                 | 95.5                 | 95.7               | 0.87                 | 0.85               | 116                              | 5.5                                                    | 36                               | 6427                              | 0.7                                                    | 2.2                                                      | 20.3                           | 3460                        | 79                                                                 |
| 1100                 | AMI 400L4A    | 10181         | 1487                 | 95.7                 | 95.8               | 0.85                 | 0.81               | 130                              | 5.9                                                    | 47                               | 7064                              | 0.8                                                    | 2.4                                                      | 21.3                           | 3560                        | 79                                                                 |
| 1120                 | AMI 450L4A    | 10182         | 1488                 | 95.3                 | 95.4               | 0.88                 | 0.87               | 128                              | 5.3                                                    | 35                               | 7190                              | 0.7                                                    | 2.0                                                      | 29.8                           | 4020                        | 81                                                                 |
| 1250                 | AMI 450L4A    | 10183         | 1488                 | 95.5                 | 95.6               | 0.88                 | 0.86               | 144                              | 5.5                                                    | 42                               | 8021                              | 0.7                                                    | 2.1                                                      | 31.5                           | 4140                        | 81                                                                 |
| 1400                 | AMI 450L4A    | 10184         | 1489                 | 95.8                 | 95.9               | 0.86                 | 0.84               | 163                              | 5.9                                                    | 52                               | 8979                              | 0.8                                                    | 2.3                                                      | 33.3                           | 4290                        | 81                                                                 |
| 1600                 | AMI 450L4A    | 10185         | 1488                 | 96.0                 | 96.1               | 0.89                 | 0.87               | 180                              | 5.7                                                    | 49                               | 10266                             | 0.7                                                    | 2.3                                                      | 36.8                           | 4550                        | 81                                                                 |
| 1720                 | AMI 450L4A    | 10186         | 1490                 | 96.2                 | 96.2               | 0.84                 | 0.81               | 204                              | 6.0                                                    | 75                               | 11021                             | 0.7                                                    | 2.5                                                      | 39.7                           | 4780                        | 81                                                                 |
| 1800                 | AMI 500L4A    | 10187         | 1491                 | 95.9                 | 96.0               | 0.90                 | 0.88               | 201                              | 5.7                                                    | 51                               | 11531                             | 0.6                                                    | 2.2                                                      | 56.2                           | 5480                        | 82                                                                 |
| 2000                 | AMI 500L4A    | 10188         | 1491                 | 96.1                 | 96.2               | 0.89                 | 0.88               | 224                              | 5.9                                                    | 58                               | 12811                             | 0.6                                                    | 2.3                                                      | 59.2                           | 5640                        | 82                                                                 |
| 2240                 | AMI 500L4A    | 10189         | 1490                 | 96.2                 | 96.3               | 0.89                 | 0.87               | 252                              | 5.9                                                    | 68                               | 14353                             | 0.7                                                    | 2.3                                                      | 61.5                           | 5810                        | 82                                                                 |
| 2500                 | AMI 500L4A    | 10190         | 1492                 | 96.5                 | 96.6               | 0.88                 | 0.87               | 282                              | 5.9                                                    | 79                               | 15997                             | 0.7                                                    | 2.2                                                      | 69.3                           | 6160                        | 82                                                                 |
| 2700                 | AMI 500L4A    | 10191         | 1493                 | 96.6                 | 96.7               | 0.87                 | 0.85               | 310                              | 5.9                                                    | 95                               | 17271                             | 0.7                                                    | 2.2                                                      | 74.9                           | 6480                        | 82                                                                 |
| 3150                 | AMI 560L4A B  | 10192         | 1490                 | 96.2                 | 96.3               | 0.89                 | 0.88               | 354                              | 5.5                                                    | 80                               | 20186                             | 0.6                                                    | 2.4                                                      | 108.5                          | 8140                        | 86                                                                 |
| 3550                 | AMI 560L4A B  | 10193         | 1491                 | 96.4                 | 96.6               | 0.89                 | 0.88               | 398                              | 5.6                                                    | 92                               | 22742                             | 0.6                                                    | 2.5                                                      | 117.5                          | 8560                        | 86                                                                 |
| 4000                 | AMI 560L4A B  | 10194         | 1491                 | 96.7                 | 96.8               | 0.88                 | 0.87               | 451                              | 5.8                                                    | 109                              | 25615                             | 0.7                                                    | 2.6                                                      | 131.1                          | 9160                        | 86                                                                 |
| 4500                 | AMI 560L4A B  | 10195         | 1491                 | 96.8                 | 96.9               | 0.90                 | 0.90               | 496                              | 5.8                                                    | 100                              | 28821                             | 0.6                                                    | 2.5                                                      | 149.5                          | 9940                        | 86                                                                 |
| 5000                 | AMI 630L4A B  | 10196         | 1490                 | 96.7                 | 96.8               | 0.89                 | 0.89               | 556                              | 5.2                                                    | 110                              | 32051                             | 0.6                                                    | 2.3                                                      | 197.2                          | 11770                       | 87                                                                 |
| 5600                 | AMI 630L4A B  | 10197         | 1491                 | 96.9                 | 97.0               | 0.90                 | 0.90               | 620                              | 5.4                                                    | 121                              | 35874                             | 0.5                                                    | 2.4                                                      | 213.3                          | 12290                       | 87                                                                 |
| 6300                 | AMI 630L4A B  | 10198         | 1492                 | 97.1                 | 97.2               | 0.89                 | 0.88               | 701                              | 5.5                                                    | 148                              | 40330                             | 0.6                                                    | 2.4                                                      | 228.9                          | 12800                       | 87                                                                 |
| 6900                 | AMI 630L4A B  | 10199         | 1492                 | 97.2                 | 97.3               | 0.90                 | 0.89               | 762                              | 5.5                                                    | 151                              | 44151                             | 0.6                                                    | 2.3                                                      | 260.1                          | 13780                       | 87                                                                 |

# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                   |                                          |                           | Torque                     |                                          |                                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>L <sub>p</sub><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------|------------------------------------------|---------------------------|----------------------------|------------------------------------------|--------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | I <sub>N</sub><br><br>(A) | I <sub>S</sub><br>I <sub>N</sub><br>(pu) | I <sub>0</sub><br><br>(A) | T <sub>N</sub><br><br>(Nm) | T <sub>S</sub><br>T <sub>N</sub><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br>(pu) |                                |                             |                                                             |
| 1000 r/min = 6 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |
| 450                  | AMI 400L6A    | 10200         | 988                  | 94.5                 | 94.7               | 0.84                 | 0.81               | 55                        | 4.7                                      | 19                        | 4350                       | 0.7                                      | 1.9                                        | 16.2                           | 3040                        | 78                                                          |
| 500                  | AMI 400L6A    | 10201         | 989                  | 94.5                 | 94.6               | 0.83                 | 0.79               | 61                        | 5.4                                      | 24                        | 4827                       | 0.9                                      | 2.2                                        | 18.2                           | 2990                        | 78                                                          |
| 560                  | AMI 400L6A    | 10202         | 989                  | 94.7                 | 94.8               | 0.84                 | 0.81               | 68                        | 5.3                                      | 25                        | 5408                       | 0.8                                      | 2.1                                        | 19.5                           | 3080                        | 78                                                          |
| 630                  | AMI 400L6A    | 10203         | 989                  | 94.8                 | 95.0               | 0.85                 | 0.82               | 76                        | 5.2                                      | 27                        | 6086                       | 0.8                                      | 2.0                                        | 20.7                           | 3170                        | 78                                                          |
| 750                  | AMI 400L6A    | 10204         | 991                  | 95.2                 | 95.2               | 0.79                 | 0.74               | 95                        | 5.8                                      | 44                        | 7227                       | 1.0                                      | 2.3                                        | 24.2                           | 3460                        | 78                                                          |
| 800                  | AMI 450L6A    | 10205         | 991                  | 95.3                 | 95.4               | 0.84                 | 0.81               | 96                        | 5.6                                      | 35                        | 7712                       | 0.8                                      | 2.2                                        | 35.2                           | 3920                        | 79                                                          |
| 900                  | AMI 450L6A    | 10206         | 991                  | 95.5                 | 95.6               | 0.84                 | 0.81               | 108                       | 5.7                                      | 39                        | 8676                       | 0.8                                      | 2.3                                        | 37.4                           | 4040                        | 79                                                          |
| 1000                 | AMI 450L6A    | 10207         | 991                  | 95.6                 | 95.7               | 0.83                 | 0.79               | 121                       | 5.8                                      | 47                        | 9635                       | 0.9                                      | 2.3                                        | 39.6                           | 4170                        | 79                                                          |
| 1120                 | AMI 450L6A    | 10208         | 991                  | 95.8                 | 95.9               | 0.84                 | 0.80               | 134                       | 5.8                                      | 50                        | 10790                      | 0.8                                      | 2.2                                        | 43.9                           | 4410                        | 79                                                          |
| 1280                 | AMI 450L6A    | 10209         | 993                  | 96.1                 | 96.1               | 0.83                 | 0.79               | 155                       | 6.0                                      | 62                        | 12314                      | 0.8                                      | 2.5                                        | 49.3                           | 4670                        | 79                                                          |
| 1400                 | AMI 500L6A    | 10210         | 992                  | 95.9                 | 96.1               | 0.87                 | 0.84               | 162                       | 5.7                                      | 52                        | 13475                      | 0.7                                      | 2.3                                        | 68.1                           | 5450                        | 79                                                          |
| 1600                 | AMI 500L6A    | 10211         | 992                  | 96.0                 | 96.1               | 0.84                 | 0.81               | 190                       | 5.9                                      | 71                        | 15397                      | 0.8                                      | 2.3                                        | 73.9                           | 5710                        | 79                                                          |
| 1800                 | AMI 500L6A    | 10212         | 993                  | 96.2                 | 96.3               | 0.86                 | 0.84               | 208                       | 5.9                                      | 67                        | 17317                      | 0.7                                      | 2.3                                        | 82.4                           | 6020                        | 79                                                          |
| 2050                 | AMI 500L6A    | 10213         | 994                  | 96.5                 | 96.5               | 0.83                 | 0.79               | 246                       | 6.0                                      | 95                        | 19691                      | 0.8                                      | 2.4                                        | 90.8                           | 6370                        | 79                                                          |
| 2240                 | AMI 560L6A B  | 10214         | 992                  | 96.2                 | 96.4               | 0.86                 | 0.84               | 261                       | 5.5                                      | 77                        | 21553                      | 0.7                                      | 2.3                                        | 131.6                          | 7720                        | 83                                                          |
| 2550                 | AMI 560L6A B  | 10215         | 992                  | 96.3                 | 96.5               | 0.87                 | 0.86               | 293                       | 5.4                                      | 79                        | 24538                      | 0.7                                      | 2.3                                        | 143.7                          | 8100                        | 83                                                          |
| 2800                 | AMI 560L6A B  | 10216         | 993                  | 96.5                 | 96.7               | 0.86                 | 0.85               | 323                       | 5.5                                      | 91                        | 26933                      | 0.7                                      | 2.2                                        | 155.2                          | 8480                        | 83                                                          |
| 3150                 | AMI 560L6A B  | 10217         | 993                  | 96.6                 | 96.8               | 0.84                 | 0.82               | 373                       | 5.4                                      | 118                       | 30283                      | 0.7                                      | 2.2                                        | 172.9                          | 9020                        | 83                                                          |
| 3350                 | AMI 560L6A B  | 10218         | 994                  | 96.7                 | 96.8               | 0.83                 | 0.80               | 401                       | 5.7                                      | 138                       | 32189                      | 0.7                                      | 2.3                                        | 184.8                          | 9400                        | 83                                                          |
| 3700                 | AMI 560L6A B  | 10219         | 994                  | 96.8                 | 96.9               | 0.83                 | 0.80               | 442                       | 5.9                                      | 154                       | 35543                      | 0.7                                      | 2.4                                        | 202.8                          | 9970                        | 83                                                          |
| 4150                 | AMI 630L6A B  | 10220         | 993                  | 96.8                 | 97.0               | 0.86                 | 0.85               | 479                       | 5.2                                      | 128                       | 39890                      | 0.6                                      | 2.2                                        | 250.2                          | 11470                       | 84                                                          |
| 4500                 | AMI 630L6A B  | 10221         | 994                  | 96.9                 | 97.1               | 0.86                 | 0.84               | 520                       | 5.5                                      | 145                       | 43237                      | 0.7                                      | 2.4                                        | 269.0                          | 11950                       | 84                                                          |
| 4750                 | AMI 630L6A B  | 10222         | 994                  | 97.0                 | 97.1               | 0.86                 | 0.84               | 551                       | 5.6                                      | 158                       | 45617                      | 0.7                                      | 2.3                                        | 295.9                          | 12550                       | 84                                                          |
| 5150                 | AMI 630L6A B  | 10223         | 995                  | 97.1                 | 97.2               | 0.83                 | 0.81               | 613                       | 5.5                                      | 200                       | 49436                      | 0.6                                      | 2.2                                        | 321.4                          | 13270                       | 84                                                          |
| 5600                 | AMI 630L6A B  | 10224         | 995                  | 97.2                 | 97.3               | 0.85                 | 0.82               | 655                       | 5.7                                      | 211                       | 53740                      | 0.6                                      | 2.5                                        | 344.1                          | 13810                       | 84                                                          |



# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)  | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|---------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|---------------------------------------------------------------|
|                     |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>S</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>S</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                               |
|                     |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 750 r/min = 8 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 280                 | AMI 400L8A    | 10225         | 742                  | 94.0                 | 94.3               | 0.82                 | 0.78               | 35                              | 5.1                                                  | 14                              | 3604                             | 0.8                                                  | 2.1                                                    | 19.3                           | 2870                        | 77                                                            |
| 315                 | AMI 400L8A    | 10226         | 742                  | 94.1                 | 94.3               | 0.81                 | 0.76               | 40                              | 5.2                                                  | 17                              | 4054                             | 0.8                                                  | 2.1                                                    | 19.3                           | 2880                        | 77                                                            |
| 355                 | AMI 400L8A    | 10227         | 741                  | 94.2                 | 94.6               | 0.83                 | 0.79               | 44                              | 4.9                                                  | 17                              | 4572                             | 0.8                                                  | 1.9                                                    | 20.8                           | 2970                        | 77                                                            |
| 400                 | AMI 400L8A    | 10228         | 742                  | 94.3                 | 94.6               | 0.81                 | 0.76               | 50                              | 5.1                                                  | 22                              | 5150                             | 0.8                                                  | 2.0                                                    | 20.8                           | 2970                        | 77                                                            |
| 450                 | AMI 400L8A    | 10229         | 741                  | 94.4                 | 94.8               | 0.82                 | 0.78               | 56                              | 5.0                                                  | 23                              | 5796                             | 0.8                                                  | 2.0                                                    | 22.2                           | 3070                        | 77                                                            |
| 530                 | AMI 400L8A    | 10230         | 742                  | 94.8                 | 95.1               | 0.83                 | 0.80               | 65                              | 5.0                                                  | 25                              | 6825                             | 0.8                                                  | 1.9                                                    | 26.6                           | 3340                        | 77                                                            |
| 560                 | AMI 450L8A    | 10231         | 741                  | 94.8                 | 95.1               | 0.84                 | 0.81               | 67                              | 5.2                                                  | 25                              | 7220                             | 0.8                                                  | 2.1                                                    | 39.7                           | 3880                        | 77                                                            |
| 630                 | AMI 450L8A    | 10232         | 743                  | 95.2                 | 95.3               | 0.80                 | 0.75               | 80                              | 5.5                                                  | 37                              | 8096                             | 0.8                                                  | 2.3                                                    | 40.2                           | 3890                        | 77                                                            |
| 710                 | AMI 450L8A    | 10233         | 743                  | 95.3                 | 95.4               | 0.79                 | 0.74               | 90                              | 5.7                                                  | 43                              | 9122                             | 0.9                                                  | 2.4                                                    | 43.0                           | 4010                        | 77                                                            |
| 800                 | AMI 450L8A    | 10234         | 743                  | 95.5                 | 95.6               | 0.81                 | 0.76               | 100                             | 5.4                                                  | 45                              | 10278                            | 0.8                                                  | 2.1                                                    | 48.1                           | 4250                        | 77                                                            |
| 900                 | AMI 450L8A    | 10235         | 742                  | 95.6                 | 95.8               | 0.84                 | 0.81               | 108                             | 5.6                                                  | 40                              | 11576                            | 0.9                                                  | 2.2                                                    | 56.1                           | 4600                        | 77                                                            |
| 1000                | AMI 500L8A    | 10236         | 744                  | 95.5                 | 95.7               | 0.84                 | 0.81               | 120                             | 5.0                                                  | 41                              | 12835                            | 0.7                                                  | 1.9                                                    | 76.2                           | 5270                        | 77                                                            |
| 1120                | AMI 500L8A    | 10237         | 744                  | 95.7                 | 95.8               | 0.84                 | 0.82               | 134                             | 5.2                                                  | 46                              | 14369                            | 0.7                                                  | 1.9                                                    | 85.3                           | 5580                        | 77                                                            |
| 1250                | AMI 500L8A    | 10238         | 745                  | 95.8                 | 95.9               | 0.83                 | 0.80               | 150                             | 5.5                                                  | 57                              | 16028                            | 0.8                                                  | 2.1                                                    | 94.3                           | 5880                        | 77                                                            |
| 1400                | AMI 500L8A    | 10239         | 745                  | 96.0                 | 96.0               | 0.82                 | 0.77               | 172                             | 5.9                                                  | 72                              | 17936                            | 0.8                                                  | 2.3                                                    | 107.6                          | 6330                        | 77                                                            |
| 1600                | AMI 560L8A B  | 10240         | 744                  | 96.2                 | 96.4               | 0.85                 | 0.82               | 189                             | 5.0                                                  | 60                              | 20523                            | 0.6                                                  | 2.1                                                    | 153.8                          | 7900                        | 78                                                            |
| 1800                | AMI 560L8A B  | 10241         | 745                  | 96.3                 | 96.5               | 0.84                 | 0.82               | 214                             | 5.1                                                  | 70                              | 23087                            | 0.6                                                  | 2.1                                                    | 161.0                          | 8090                        | 78                                                            |
| 2000                | AMI 560L8A B  | 10242         | 745                  | 96.4                 | 96.6               | 0.84                 | 0.82               | 237                             | 5.0                                                  | 74                              | 25635                            | 0.6                                                  | 2.0                                                    | 176.2                          | 8480                        | 78                                                            |
| 2240                | AMI 560L8A B  | 10243         | 745                  | 96.5                 | 96.7               | 0.84                 | 0.82               | 265                             | 5.0                                                  | 83                              | 28708                            | 0.6                                                  | 2.0                                                    | 190.6                          | 8870                        | 78                                                            |
| 2500                | AMI 560L8A B  | 10244         | 745                  | 96.6                 | 96.8               | 0.84                 | 0.81               | 297                             | 5.3                                                  | 99                              | 32029                            | 0.7                                                  | 2.1                                                    | 204.9                          | 9260                        | 78                                                            |
| 2750                | AMI 560L8A B  | 10245         | 746                  | 96.7                 | 96.9               | 0.85                 | 0.82               | 323                             | 5.4                                                  | 104                             | 35223                            | 0.7                                                  | 2.1                                                    | 233.7                          | 10020                       | 78                                                            |
| 3150                | AMI 630L8A B  | 10246         | 745                  | 96.7                 | 96.8               | 0.85                 | 0.83               | 370                             | 5.3                                                  | 109                             | 40351                            | 0.7                                                  | 2.0                                                    | 330.6                          | 11840                       | 79                                                            |
| 3500                | AMI 630L8A B  | 10247         | 746                  | 96.8                 | 97.0               | 0.86                 | 0.84               | 407                             | 5.4                                                  | 116                             | 44820                            | 0.7                                                  | 2.0                                                    | 379.4                          | 12810                       | 79                                                            |
| 3900                | AMI 630L8A B  | 10248         | 746                  | 96.9                 | 97.0               | 0.86                 | 0.84               | 451                             | 5.8                                                  | 132                             | 49918                            | 0.8                                                  | 2.1                                                    | 440.4                          | 14010                       | 79                                                            |

# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>S</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>S</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 600 r/min = 10 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 200                  | AMI 400L10A   | 10249         | 592                  | 92.9                 | 92.8               | 0.70                 | 0.63               | 30                              | 4.0                                                  | 17                              | 3225                             | 0.6                                                  | 1.9                                                    | 16.1                           | 3010                        | 76                                                                |
| 224                  | AMI 400L10A   | 10250         | 592                  | 93.0                 | 92.9               | 0.69                 | 0.62               | 34                              | 3.9                                                  | 20                              | 3614                             | 0.6                                                  | 1.9                                                    | 16.1                           | 3010                        | 76                                                                |
| 250                  | AMI 400L10A   | 10251         | 593                  | 93.2                 | 93.1               | 0.72                 | 0.66               | 36                              | 4.4                                                  | 20                              | 4029                             | 0.7                                                  | 2.0                                                    | 19.5                           | 3050                        | 76                                                                |
| 280                  | AMI 400L10A   | 10252         | 592                  | 93.3                 | 93.4               | 0.74                 | 0.68               | 39                              | 4.2                                                  | 20                              | 4517                             | 0.7                                                  | 1.9                                                    | 20.7                           | 3150                        | 76                                                                |
| 315                  | AMI 400L10A   | 10253         | 594                  | 93.7                 | 93.6               | 0.74                 | 0.68               | 44                              | 4.7                                                  | 23                              | 5068                             | 0.8                                                  | 2.0                                                    | 25.0                           | 3250                        | 76                                                                |
| 355                  | AMI 400L10A   | 10254         | 593                  | 93.8                 | 93.8               | 0.75                 | 0.69               | 49                              | 4.6                                                  | 25                              | 5715                             | 0.8                                                  | 1.9                                                    | 26.4                           | 3340                        | 76                                                                |
| 400                  | AMI 450L10A   | 10255         | 592                  | 94.0                 | 94.4               | 0.82                 | 0.78               | 50                              | 4.5                                                  | 20                              | 6457                             | 0.8                                                  | 1.8                                                    | 39.8                           | 3860                        | 76                                                                |
| 450                  | AMI 450L10A   | 10256         | 592                  | 94.2                 | 94.6               | 0.82                 | 0.78               | 56                              | 4.6                                                  | 22                              | 7264                             | 0.8                                                  | 1.8                                                    | 42.5                           | 3980                        | 76                                                                |
| 500                  | AMI 450L10A   | 10257         | 592                  | 94.4                 | 94.7               | 0.81                 | 0.78               | 63                              | 4.7                                                  | 25                              | 8066                             | 0.9                                                  | 1.9                                                    | 45.2                           | 4090                        | 76                                                                |
| 560                  | AMI 450L10A   | 10258         | 592                  | 94.5                 | 94.9               | 0.82                 | 0.78               | 70                              | 4.8                                                  | 27                              | 9033                             | 0.9                                                  | 1.9                                                    | 50.5                           | 4330                        | 76                                                                |
| 650                  | AMI 450L10A   | 10259         | 593                  | 94.9                 | 95.1               | 0.80                 | 0.75               | 82                              | 5.2                                                  | 37                              | 10464                            | 1.0                                                  | 2.1                                                    | 53.5                           | 4460                        | 76                                                                |
| 710                  | AMI 500L10A   | 10260         | 594                  | 95.2                 | 95.5               | 0.83                 | 0.80               | 86                              | 5.0                                                  | 32                              | 11423                            | 0.8                                                  | 1.9                                                    | 75.4                           | 5270                        | 76                                                                |
| 800                  | AMI 500L10A   | 10261         | 594                  | 95.1                 | 95.5               | 0.84                 | 0.81               | 97                              | 4.8                                                  | 35                              | 12871                            | 0.7                                                  | 1.9                                                    | 80.2                           | 5390                        | 76                                                                |
| 900                  | AMI 500L10A   | 10262         | 594                  | 95.4                 | 95.7               | 0.83                 | 0.80               | 109                             | 5.1                                                  | 41                              | 14469                            | 0.8                                                  | 2.0                                                    | 89.2                           | 5690                        | 76                                                                |
| 1000                 | AMI 500L10A   | 10263         | 595                  | 95.7                 | 95.9               | 0.82                 | 0.79               | 122                             | 5.0                                                  | 46                              | 16056                            | 0.8                                                  | 1.9                                                    | 94.4                           | 5880                        | 76                                                                |
| 1100                 | AMI 500L10A   | 10264         | 595                  | 95.8                 | 95.9               | 0.81                 | 0.77               | 136                             | 5.6                                                  | 58                              | 17640                            | 0.9                                                  | 2.1                                                    | 107.9                          | 6300                        | 76                                                                |
| 1250                 | AMI 560L10A B | 10265         | 593                  | 95.6                 | 96.0               | 0.85                 | 0.82               | 148                             | 5.2                                                  | 51                              | 20116                            | 0.8                                                  | 2.3                                                    | 160.6                          | 7630                        | 75                                                                |
| 1400                 | AMI 560L10A B | 10266         | 593                  | 95.7                 | 96.1               | 0.85                 | 0.83               | 164                             | 5.0                                                  | 52                              | 22527                            | 0.7                                                  | 2.1                                                    | 177.1                          | 8010                        | 75                                                                |
| 1600                 | AMI 560L10A B | 10267         | 593                  | 95.9                 | 96.2               | 0.86                 | 0.84               | 187                             | 5.2                                                  | 57                              | 25755                            | 0.8                                                  | 2.2                                                    | 208.3                          | 8760                        | 75                                                                |
| 1800                 | AMI 560L10A B | 10268         | 595                  | 96.1                 | 96.3               | 0.84                 | 0.81               | 214                             | 5.5                                                  | 74                              | 28884                            | 0.9                                                  | 2.1                                                    | 233.1                          | 9250                        | 75                                                                |
| 2050                 | AMI 560L10A B | 10269         | 596                  | 96.3                 | 96.4               | 0.82                 | 0.78               | 249                             | 5.7                                                  | 98                              | 32867                            | 0.9                                                  | 2.2                                                    | 256.3                          | 9820                        | 75                                                                |
| 2240                 | AMI 630L10A B | 10270         | 595                  | 96.4                 | 96.6               | 0.85                 | 0.83               | 262                             | 5.5                                                  | 83                              | 35956                            | 0.9                                                  | 2.1                                                    | 349.2                          | 11340                       | 76                                                                |
| 2500                 | AMI 630L10A B | 10271         | 595                  | 96.5                 | 96.7               | 0.85                 | 0.83               | 292                             | 5.4                                                  | 92                              | 40117                            | 0.8                                                  | 2.1                                                    | 391.2                          | 12050                       | 76                                                                |
| 2800                 | AMI 630L10A B | 10272         | 596                  | 96.7                 | 96.8               | 0.84                 | 0.81               | 333                             | 5.7                                                  | 119                             | 44833                            | 0.8                                                  | 2.1                                                    | 437.3                          | 12730                       | 76                                                                |
| 3150                 | AMI 630L10A B | 10273         | 597                  | 96.9                 | 97.0               | 0.82                 | 0.79               | 381                             | 5.7                                                  | 147                             | 50371                            | 0.7                                                  | 2.2                                                    | 516.2                          | 13980                       | 76                                                                |



# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|---------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>S</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>S</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                               |
|                      |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 500 r/min = 12 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 180                  | AMI 400L12A   | 10274         | 494                  | 91.4                 | 90.9               | 0.65                 | 0.57               | 29                              | 3.9                                                  | 19                              | 3483                             | 0.8                                                  | 2.0                                                    | 18.2                           | 2960                        | 76                                                            |
| 200                  | AMI 400L12A   | 10275         | 492                  | 91.6                 | 91.3               | 0.68                 | 0.62               | 31                              | 3.7                                                  | 18                              | 3879                             | 0.7                                                  | 1.7                                                    | 19.4                           | 3050                        | 76                                                            |
| 224                  | AMI 400L12A   | 10276         | 492                  | 91.7                 | 91.7               | 0.70                 | 0.64               | 33                              | 3.5                                                  | 18                              | 4350                             | 0.7                                                  | 1.6                                                    | 20.6                           | 3140                        | 76                                                            |
| 245                  | AMI 400L12A   | 10277         | 493                  | 92.2                 | 92.0               | 0.71                 | 0.65               | 36                              | 4.0                                                  | 20                              | 4745                             | 0.8                                                  | 1.8                                                    | 26.2                           | 3320                        | 76                                                            |
| 280                  | AMI 450L12A   | 10278         | 493                  | 93.5                 | 93.7               | 0.76                 | 0.71               | 38                              | 4.3                                                  | 19                              | 5418                             | 0.8                                                  | 1.9                                                    | 39.9                           | 3850                        | 76                                                            |
| 315                  | AMI 450L12A   | 10279         | 493                  | 93.6                 | 93.8               | 0.77                 | 0.72               | 42                              | 4.2                                                  | 20                              | 6098                             | 0.7                                                  | 1.8                                                    | 42.6                           | 3960                        | 76                                                            |
| 355                  | AMI 450L12A   | 10280         | 493                  | 93.7                 | 94.0               | 0.77                 | 0.72               | 47                              | 4.1                                                  | 22                              | 6874                             | 0.7                                                  | 1.8                                                    | 45.2                           | 4080                        | 76                                                            |
| 400                  | AMI 450L12A   | 10281         | 493                  | 93.9                 | 94.1               | 0.77                 | 0.72               | 53                              | 4.2                                                  | 25                              | 7744                             | 0.7                                                  | 1.8                                                    | 47.9                           | 4200                        | 76                                                            |
| 450                  | AMI 450L12A   | 10282         | 494                  | 93.9                 | 94.0               | 0.75                 | 0.69               | 61                              | 4.5                                                  | 31                              | 8700                             | 0.8                                                  | 1.9                                                    | 53.3                           | 4410                        | 76                                                            |
| 500                  | AMI 500L12A   | 10283         | 493                  | 94.5                 | 94.7               | 0.78                 | 0.74               | 65                              | 4.3                                                  | 29                              | 9677                             | 0.7                                                  | 1.9                                                    | 70.2                           | 5100                        | 76                                                            |
| 560                  | AMI 500L12A   | 10284         | 494                  | 94.6                 | 94.8               | 0.78                 | 0.73               | 73                              | 4.4                                                  | 34                              | 10833                            | 0.7                                                  | 1.9                                                    | 74.6                           | 5250                        | 76                                                            |
| 630                  | AMI 500L12A   | 10285         | 494                  | 94.8                 | 95.0               | 0.78                 | 0.74               | 82                              | 4.4                                                  | 37                              | 12187                            | 0.7                                                  | 1.9                                                    | 83.5                           | 5550                        | 76                                                            |
| 710                  | AMI 500L12A   | 10286         | 494                  | 94.9                 | 95.1               | 0.78                 | 0.73               | 92                              | 4.6                                                  | 43                              | 13726                            | 0.7                                                  | 2.0                                                    | 92.5                           | 5850                        | 76                                                            |
| 800                  | AMI 500L12A   | 10287         | 494                  | 95.1                 | 95.2               | 0.78                 | 0.73               | 104                             | 4.8                                                  | 49                              | 15456                            | 0.8                                                  | 2.0                                                    | 105.9                          | 6290                        | 76                                                            |
| 900                  | AMI 560L12A B | 10288         | 493                  | 95.1                 | 95.5               | 0.82                 | 0.78               | 111                             | 4.6                                                  | 44                              | 17422                            | 0.7                                                  | 2.1                                                    | 159.7                          | 7550                        | 74                                                            |
| 1000                 | AMI 560L12A B | 10289         | 494                  | 95.3                 | 95.7               | 0.81                 | 0.77               | 125                             | 4.9                                                  | 53                              | 19341                            | 0.8                                                  | 2.2                                                    | 167.8                          | 7750                        | 74                                                            |
| 1120                 | AMI 560L12A B | 10290         | 494                  | 95.5                 | 95.9               | 0.82                 | 0.78               | 137                             | 4.8                                                  | 54                              | 21663                            | 0.7                                                  | 2.2                                                    | 191.9                          | 8340                        | 74                                                            |
| 1250                 | AMI 560L12A B | 10291         | 494                  | 95.7                 | 96.0               | 0.81                 | 0.76               | 155                             | 5.2                                                  | 67                              | 24149                            | 0.8                                                  | 2.4                                                    | 208.0                          | 8680                        | 74                                                            |
| 1400                 | AMI 560L12A B | 10292         | 495                  | 95.8                 | 96.1               | 0.80                 | 0.75               | 175                             | 5.4                                                  | 78                              | 27029                            | 0.9                                                  | 2.5                                                    | 232.2                          | 9220                        | 74                                                            |
| 1600                 | AMI 560L12A B | 10293         | 495                  | 95.9                 | 96.2               | 0.81                 | 0.76               | 199                             | 5.4                                                  | 87                              | 30891                            | 0.9                                                  | 2.4                                                    | 256.3                          | 9810                        | 74                                                            |
| 1800                 | AMI 630L12A B | 10294         | 495                  | 96.2                 | 96.5               | 0.83                 | 0.80               | 218                             | 5.2                                                  | 80                              | 34696                            | 0.9                                                  | 2.1                                                    | 335.1                          | 11030                       | 75                                                            |
| 2000                 | AMI 630L12A B | 10295         | 496                  | 96.3                 | 96.6               | 0.83                 | 0.80               | 241                             | 5.3                                                  | 88                              | 38537                            | 0.9                                                  | 2.1                                                    | 378.2                          | 11730                       | 75                                                            |
| 2240                 | AMI 630L12A B | 10296         | 496                  | 96.5                 | 96.7               | 0.83                 | 0.79               | 270                             | 5.6                                                  | 105                             | 43097                            | 0.9                                                  | 2.3                                                    | 438.8                          | 12680                       | 75                                                            |
| 2500                 | AMI 630L12A B | 10297         | 497                  | 96.7                 | 96.8               | 0.81                 | 0.77               | 306                             | 5.6                                                  | 128                             | 48045                            | 0.8                                                  | 2.4                                                    | 514.8                          | 13860                       | 75                                                            |

# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
10000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 3000 r/min = 2 poles |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 10000 V 50 Hz        |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 630                  | AMI 450L2A    | 10298         | 2973                 | 93.5                 | 93.4               | 0.87                 | 0.85               | 45                              | 4.9                                                  | 13                              | 2023                             | 0.5                                                  | 2.2                                                    | 9.9                            | 3710                        | 86                                                                |
| 710                  | AMI 450L2A    | 10299         | 2973                 | 93.8                 | 93.7               | 0.86                 | 0.84               | 51                              | 4.9                                                  | 16                              | 2281                             | 0.5                                                  | 2.2                                                    | 9.9                            | 3720                        | 86                                                                |
| 800                  | AMI 450L2A    | 10300         | 2975                 | 94.2                 | 94.2               | 0.88                 | 0.86               | 56                              | 4.7                                                  | 15                              | 2568                             | 0.4                                                  | 2.0                                                    | 10.5                           | 3860                        | 86                                                                |
| 900                  | AMI 450L2A    | 10301         | 2978                 | 94.6                 | 94.6               | 0.86                 | 0.84               | 63                              | 5.2                                                  | 19                              | 2886                             | 0.5                                                  | 2.2                                                    | 11.0                           | 3950                        | 86                                                                |
| 1000                 | AMI 450L2A    | 10302         | 2980                 | 95.1                 | 95.0               | 0.88                 | 0.85               | 69                              | 5.7                                                  | 20                              | 3205                             | 0.6                                                  | 2.5                                                    | 12.4                           | 4230                        | 86                                                                |
| 1120                 | AMI 450L2A    | 10303         | 2980                 | 95.6                 | 95.5               | 0.88                 | 0.86               | 77                              | 5.7                                                  | 21                              | 3588                             | 0.6                                                  | 2.4                                                    | 12.4                           | 4320                        | 86                                                                |
| 1250                 | AMI 450L2A    | 10304         | 2982                 | 95.8                 | 95.8               | 0.89                 | 0.87               | 85                              | 5.8                                                  | 22                              | 4003                             | 0.6                                                  | 2.4                                                    | 13.1                           | 4460                        | 86                                                                |
| 1280                 | AMI 450L2A    | 10305         | 2989                 | 96.0                 | 96.0               | 0.89                 | 0.87               | 87                              | 5.8                                                  | 22                              | 4090                             | 0.4                                                  | 2.4                                                    | 17.6                           | 4610                        | 86                                                                |
| 1400                 | AMI 500L2A    | 10306         | 2980                 | 95.6                 | 95.5               | 0.89                 | 0.88               | 95                              | 5.4                                                  | 25                              | 4486                             | 0.5                                                  | 2.4                                                    | 19.6                           | 5010                        | 87                                                                |
| 1600                 | AMI 500L2A    | 10307         | 2981                 | 95.9                 | 95.8               | 0.90                 | 0.88               | 108                             | 5.4                                                  | 27                              | 5125                             | 0.5                                                  | 2.3                                                    | 20.8                           | 5190                        | 87                                                                |
| 1800                 | AMI 500L2A    | 10308         | 2982                 | 96.1                 | 96.1               | 0.90                 | 0.88               | 121                             | 5.6                                                  | 31                              | 5765                             | 0.5                                                  | 2.4                                                    | 22.1                           | 5380                        | 87                                                                |
| 2000                 | AMI 500L2A    | 10309         | 2982                 | 96.3                 | 96.3               | 0.90                 | 0.89               | 132                             | 5.7                                                  | 31                              | 6404                             | 0.5                                                  | 2.4                                                    | 24.7                           | 5750                        | 87                                                                |
| 2150                 | AMI 500L2A    | 10310         | 2984                 | 96.5                 | 96.4               | 0.88                 | 0.86               | 146                             | 5.8                                                  | 43                              | 6880                             | 0.5                                                  | 2.5                                                    | 25.3                           | 5880                        | 87                                                                |
| 2200                 | AMI 500L2A    | 10311         | 2990                 | 96.7                 | 96.6               | 0.88                 | 0.86               | 150                             | 5.8                                                  | 43                              | 7027                             | 0.4                                                  | 2.4                                                    | 33.2                           | 6070                        | 87                                                                |
| 2500                 | AMI 560L2A B  | 10312         | 2982                 | 96.3                 | 96.3               | 0.90                 | 0.89               | 167                             | 5.6                                                  | 39                              | 8007                             | 0.5                                                  | 2.7                                                    | 38.6                           | 8680                        | 80                                                                |
| 2800                 | AMI 560L2A B  | 10313         | 2982                 | 96.5                 | 96.5               | 0.90                 | 0.89               | 186                             | 5.7                                                  | 41                              | 8967                             | 0.5                                                  | 2.7                                                    | 42.1                           | 9120                        | 80                                                                |
| 3150                 | AMI 560L2A B  | 10314         | 2981                 | 96.7                 | 96.7               | 0.91                 | 0.90               | 207                             | 5.7                                                  | 41                              | 10089                            | 0.5                                                  | 2.7                                                    | 45.8                           | 9530                        | 80                                                                |
| 3550                 | AMI 560L2A B  | 10315         | 2984                 | 96.8                 | 96.8               | 0.91                 | 0.90               | 234                             | 5.9                                                  | 48                              | 11361                            | 0.5                                                  | 2.7                                                    | 50.9                           | 10130                       | 80                                                                |
| 4000                 | AMI 560L2A B  | 10317         | 2987                 | 97.1                 | 97.1               | 0.91                 | 0.90               | 263                             | 5.9                                                  | 57                              | 12787                            | 0.4                                                  | 2.8                                                    | 65.2                           | 10420                       | 80                                                                |
| 4400                 | AMI 630L2A B  | 10318         | 2984                 | 96.5                 | 96.4               | 0.92                 | 0.93               | 285                             | 5.8                                                  | 40                              | 14080                            | 0.5                                                  | 2.7                                                    | 95.3                           | 12580                       | 81                                                                |
| 4800                 | AMI 630L2A B  | 10319         | 2985                 | 96.6                 | 96.5               | 0.92                 | 0.92               | 311                             | 5.8                                                  | 45                              | 15358                            | 0.5                                                  | 2.7                                                    | 104.5                          | 13350                       | 81                                                                |
| 5150                 | AMI 630L2A B  | 10320         | 2989                 | 96.8                 | 96.7               | 0.93                 | 0.93               | 331                             | 5.9                                                  | 44                              | 16451                            | 0.4                                                  | 2.6                                                    | 135.9                          | 13760                       | 81                                                                |
| 1500 r/min = 4 poles |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 10000 V 50 Hz        |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 800                  | AMI 450L4A    | 10321         | 1486                 | 94.5                 | 94.4               | 0.86                 | 0.83               | 57                              | 5.4                                                  | 20                              | 5141                             | 0.6                                                  | 2.2                                                    | 24.1                           | 3920                        | 81                                                                |
| 900                  | AMI 450L4A    | 10322         | 1484                 | 94.5                 | 94.5               | 0.87                 | 0.85               | 63                              | 5.0                                                  | 19                              | 5791                             | 0.6                                                  | 2.1                                                    | 24.2                           | 3920                        | 81                                                                |
| 1000                 | AMI 450L4A    | 10323         | 1487                 | 95.0                 | 95.0               | 0.85                 | 0.82               | 71                              | 5.5                                                  | 26                              | 6422                             | 0.6                                                  | 2.3                                                    | 24.6                           | 3950                        | 81                                                                |
| 1120                 | AMI 450L4A    | 10324         | 1486                 | 95.1                 | 95.2               | 0.86                 | 0.84               | 79                              | 5.3                                                  | 26                              | 7195                             | 0.6                                                  | 2.3                                                    | 25.9                           | 4070                        | 81                                                                |
| 1250                 | AMI 450L4A    | 10325         | 1486                 | 95.3                 | 95.4               | 0.87                 | 0.85               | 87                              | 5.3                                                  | 27                              | 8032                             | 0.6                                                  | 2.2                                                    | 27.3                           | 4200                        | 81                                                                |
| 1400                 | AMI 450L4A    | 10326         | 1487                 | 95.6                 | 95.7               | 0.87                 | 0.84               | 98                              | 5.8                                                  | 33                              | 8988                             | 0.7                                                  | 2.5                                                    | 30.0                           | 4450                        | 81                                                                |
| 1600                 | AMI 500L4A    | 10327         | 1489                 | 95.4                 | 95.5               | 0.88                 | 0.87               | 110                             | 5.5                                                  | 30                              | 10261                            | 0.6                                                  | 2.2                                                    | 54.7                           | 5400                        | 82                                                                |
| 1800                 | AMI 500L4A    | 10328         | 1491                 | 95.7                 | 95.8               | 0.88                 | 0.86               | 123                             | 5.6                                                  | 35                              | 11528                            | 0.6                                                  | 2.2                                                    | 61.3                           | 5710                        | 82                                                                |
| 2100                 | AMI 500L4A    | 10329         | 1493                 | 96.1                 | 96.1               | 0.88                 | 0.86               | 144                             | 5.9                                                  | 42                              | 13432                            | 0.6                                                  | 2.2                                                    | 69.2                           | 6050                        | 82                                                                |
| 2240                 | AMI 560L4A B  | 10330         | 1488                 | 95.7                 | 95.7               | 0.90                 | 0.90               | 149                             | 5.4                                                  | 31                              | 14372                            | 0.6                                                  | 2.5                                                    | 102.5                          | 7900                        | 86                                                                |
| 2500                 | AMI 560L4A B  | 10331         | 1490                 | 96.0                 | 95.9               | 0.88                 | 0.87               | 171                             | 5.6                                                  | 42                              | 16021                            | 0.6                                                  | 2.5                                                    | 106.7                          | 8100                        | 86                                                                |
| 2800                 | AMI 560L4A B  | 10332         | 1490                 | 96.2                 | 96.2               | 0.89                 | 0.88               | 190                             | 5.6                                                  | 45                              | 17942                            | 0.6                                                  | 2.4                                                    | 115.6                          | 8510                        | 86                                                                |
| 3150                 | AMI 560L4A B  | 10333         | 1490                 | 96.2                 | 96.3               | 0.89                 | 0.88               | 212                             | 5.7                                                  | 49                              | 20184                            | 0.7                                                  | 2.5                                                    | 124.7                          | 8810                        | 86                                                                |
| 3550                 | AMI 560L4A B  | 10334         | 1491                 | 96.4                 | 96.5               | 0.87                 | 0.86               | 244                             | 5.6                                                  | 63                              | 22741                            | 0.7                                                  | 2.5                                                    | 133.6                          | 9230                        | 86                                                                |
| 3900                 | AMI 560L4A B  | 10335         | 1491                 | 96.6                 | 96.6               | 0.85                 | 0.83               | 274                             | 5.9                                                  | 81                              | 24971                            | 0.7                                                  | 2.7                                                    | 142.2                          | 9610                        | 86                                                                |
| 4500                 | AMI 630L4A B  | 10336         | 1491                 | 96.6                 | 96.6               | 0.89                 | 0.89               | 301                             | 5.6                                                  | 64                              | 28816                            | 0.6                                                  | 2.5                                                    | 197.4                          | 11570                       | 87                                                                |
| 5000                 | AMI 630L4A B  | 10337         | 1491                 | 96.7                 | 96.8               | 0.90                 | 0.89               | 333                             | 5.7                                                  | 70                              | 32014                            | 0.6                                                  | 2.5                                                    | 212.1                          | 12070                       | 87                                                                |
| 5400                 | AMI 630L4A B  | 10338         | 1492                 | 96.8                 | 96.9               | 0.89                 | 0.88               | 363                             | 5.8                                                  | 83                              | 34562                            | 0.6                                                  | 2.6                                                    | 225.8                          | 12570                       | 87                                                                |
| 5900                 | AMI 630L4A B  | 10339         | 1492                 | 97.0                 | 97.0               | 0.88                 | 0.87               | 400                             | 5.8                                                  | 95                              | 37751                            | 0.6                                                  | 2.5                                                    | 246.4                          | 13300                       | 87                                                                |

# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
10000 V, 50 Hz

| Output<br>(kW)       | Motor<br>type | Product<br>ID | Speed<br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                     |                                                      |                             | Torque                       |                                                      |                                                        | Rotor<br>inertia<br>(kgm²) | Motor<br>weight<br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|------------------|----------------------|--------------------|----------------------|--------------------|-----------------------------|------------------------------------------------------|-----------------------------|------------------------------|------------------------------------------------------|--------------------------------------------------------|----------------------------|-------------------------|---------------------------------------------------------------|
|                      |               |               |                  | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br>(A) | <i>I<sub>S</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br>(A) | <i>T<sub>N</sub></i><br>(Nm) | <i>T<sub>S</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                            |                         |                                                               |
|                      |               |               |                  |                      |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 1000 r/min = 6 poles |               |               |                  | 10000 V 50 Hz        |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 560                  | AMI 450L6A    | 10340         | 989              | 94.6                 | 94.5               | 0.82                 | 0.78               | 42                          | 5.3                                                  | 17                          | 5405                         | 0.9                                                  | 2.1                                                    | 30.0                       | 4010                    | 79                                                            |
| 630                  | AMI 450L6A    | 10341         | 989              | 94.7                 | 94.7               | 0.84                 | 0.80               | 46                          | 5.3                                                  | 17                          | 6082                         | 0.8                                                  | 2.1                                                    | 30.3                       | 4010                    | 79                                                            |
| 710                  | AMI 450L6A    | 10342         | 989              | 94.8                 | 94.9               | 0.85                 | 0.82               | 51                          | 4.9                                                  | 18                          | 6855                         | 0.7                                                  | 2.0                                                    | 30.5                       | 4010                    | 79                                                            |
| 800                  | AMI 450L6A    | 10343         | 989              | 94.7                 | 95.1               | 0.85                 | 0.83               | 57                          | 4.4                                                  | 18                          | 7726                         | 0.6                                                  | 1.8                                                    | 30.7                       | 4020                    | 79                                                            |
| 900                  | AMI 450L6A    | 10344         | 990              | 95.1                 | 95.4               | 0.84                 | 0.81               | 65                          | 4.7                                                  | 23                          | 8677                         | 0.6                                                  | 1.9                                                    | 32.8                       | 4150                    | 79                                                            |
| 980                  | AMI 450L6A    | 10345         | 992              | 95.4                 | 95.5               | 0.82                 | 0.77               | 73                          | 5.3                                                  | 30                          | 9437                         | 0.7                                                  | 2.2                                                    | 34.6                       | 4280                    | 79                                                            |
| 1120                 | AMI 500L6A    | 10346         | 994              | 95.4                 | 95.5               | 0.86                 | 0.83               | 79                          | 5.5                                                  | 27                          | 10763                        | 0.6                                                  | 2.2                                                    | 64.8                       | 5230                    | 79                                                            |
| 1250                 | AMI 500L6A    | 10347         | 994              | 95.6                 | 95.7               | 0.85                 | 0.82               | 89                          | 5.6                                                  | 32                          | 12011                        | 0.6                                                  | 2.2                                                    | 68.4                       | 5380                    | 79                                                            |
| 1400                 | AMI 500L6A    | 10348         | 994              | 95.7                 | 95.8               | 0.83                 | 0.79               | 101                         | 5.8                                                  | 40                          | 13448                        | 0.7                                                  | 2.3                                                    | 72.0                       | 5530                    | 79                                                            |
| 1500                 | AMI 500L6A    | 10349         | 994              | 95.9                 | 95.9               | 0.81                 | 0.77               | 111                         | 5.9                                                  | 48                          | 14403                        | 0.7                                                  | 2.3                                                    | 75.5                       | 5690                    | 79                                                            |
| 1750                 | AMI 560L6A B  | 10350         | 992              | 95.7                 | 95.9               | 0.87                 | 0.85               | 121                         | 5.5                                                  | 35                          | 16839                        | 0.7                                                  | 2.3                                                    | 129.3                      | 7610                    | 83                                                            |
| 2000                 | AMI 560L6A B  | 10351         | 992              | 95.9                 | 96.1               | 0.88                 | 0.86               | 137                         | 5.5                                                  | 38                          | 19244                        | 0.7                                                  | 2.3                                                    | 141.3                      | 7980                    | 83                                                            |
| 2240                 | AMI 560L6A B  | 10352         | 993              | 96.2                 | 96.3               | 0.87                 | 0.85               | 155                         | 5.7                                                  | 46                          | 21542                        | 0.8                                                  | 2.4                                                    | 152.9                      | 8360                    | 83                                                            |
| 2500                 | AMI 560L6A B  | 10353         | 994              | 96.2                 | 96.4               | 0.89                 | 0.88               | 169                         | 5.6                                                  | 42                          | 24023                        | 0.7                                                  | 2.1                                                    | 173.7                      | 8870                    | 83                                                            |
| 2850                 | AMI 560L6A B  | 10354         | 995              | 96.5                 | 96.6               | 0.86                 | 0.83               | 199                         | 5.8                                                  | 65                          | 27347                        | 0.6                                                  | 2.3                                                    | 187.9                      | 9280                    | 83                                                            |
| 3150                 | AMI 630L6A B  | 10355         | 993              | 96.5                 | 96.6               | 0.86                 | 0.84               | 219                         | 5.7                                                  | 66                          | 30281                        | 0.7                                                  | 2.5                                                    | 236.0                      | 11040                   | 84                                                            |
| 3550                 | AMI 630L6A B  | 10356         | 993              | 96.6                 | 96.7               | 0.87                 | 0.85               | 244                         | 5.7                                                  | 68                          | 34131                        | 0.7                                                  | 2.5                                                    | 255.1                      | 11520                   | 84                                                            |
| 4000                 | AMI 630L6A B  | 10357         | 993              | 96.7                 | 96.9               | 0.88                 | 0.87               | 270                         | 5.6                                                  | 66                          | 38467                        | 0.7                                                  | 2.4                                                    | 283.1                      | 12230                   | 84                                                            |
| 4500                 | AMI 630L6A B  | 10358         | 994              | 96.9                 | 97.0               | 0.87                 | 0.86               | 307                         | 5.8                                                  | 82                          | 43215                        | 0.7                                                  | 2.4                                                    | 305.0                      | 12730                   | 84                                                            |
| 4900                 | AMI 630L6A B  | 10359         | 995              | 97.0                 | 97.1               | 0.86                 | 0.83               | 341                         | 5.8                                                  | 105                         | 47025                        | 0.6                                                  | 2.5                                                    | 324.6                      | 13220                   | 84                                                            |
| 750 r/min = 8 poles  |               |               |                  | 10000 V 50 Hz        |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 630                  | AMI 500L8A    | 10360         | 743              | 94.5                 | 94.4               | 0.83                 | 0.78               | 46                          | 5.5                                                  | 19                          | 8095                         | 0.7                                                  | 2.2                                                    | 72.5                       | 5160                    | 77                                                            |
| 710                  | AMI 500L8A    | 10361         | 742              | 94.5                 | 94.6               | 0.85                 | 0.81               | 51                          | 5.5                                                  | 19                          | 9134                         | 0.8                                                  | 2.2                                                    | 73.0                       | 5160                    | 77                                                            |
| 800                  | AMI 500L8A    | 10362         | 743              | 94.7                 | 94.9               | 0.85                 | 0.82               | 58                          | 5.4                                                  | 20                          | 10284                        | 0.8                                                  | 2.1                                                    | 78.0                       | 5320                    | 77                                                            |
| 900                  | AMI 500L8A    | 10363         | 743              | 94.8                 | 95.0               | 0.85                 | 0.82               | 64                          | 5.5                                                  | 22                          | 11570                        | 0.8                                                  | 2.1                                                    | 82.5                       | 5470                    | 77                                                            |
| 1000                 | AMI 500L8A    | 10364         | 745              | 95.2                 | 95.4               | 0.85                 | 0.82               | 71                          | 5.5                                                  | 25                          | 12825                        | 0.8                                                  | 2.0                                                    | 92.8                       | 5780                    | 77                                                            |
| 1100                 | AMI 500L8A    | 10365         | 745              | 95.4                 | 95.5               | 0.84                 | 0.81               | 79                          | 5.8                                                  | 29                          | 14096                        | 0.8                                                  | 2.2                                                    | 98.5                       | 5940                    | 77                                                            |
| 1250                 | AMI 560L8A B  | 10366         | 744              | 95.7                 | 95.8               | 0.85                 | 0.83               | 89                          | 5.0                                                  | 29                          | 16035                        | 0.6                                                  | 2.1                                                    | 145.6                      | 7600                    | 78                                                            |
| 1500                 | AMI 560L8A B  | 10367         | 744              | 95.8                 | 96.0               | 0.85                 | 0.83               | 107                         | 4.8                                                  | 34                          | 19251                        | 0.6                                                  | 2.0                                                    | 152.7                      | 7790                    | 78                                                            |
| 1700                 | AMI 560L8A B  | 10368         | 744              | 95.9                 | 96.1               | 0.83                 | 0.81               | 123                         | 5.0                                                  | 42                          | 21811                        | 0.6                                                  | 2.1                                                    | 159.8                      | 7980                    | 78                                                            |
| 1900                 | AMI 560L8A B  | 10369         | 744              | 96.1                 | 96.2               | 0.83                 | 0.81               | 137                         | 5.2                                                  | 47                          | 24371                        | 0.7                                                  | 2.1                                                    | 174.0                      | 8360                    | 78                                                            |
| 2120                 | AMI 560L8A B  | 10370         | 745              | 96.2                 | 96.4               | 0.84                 | 0.82               | 151                         | 5.3                                                  | 51                          | 27184                        | 0.7                                                  | 2.2                                                    | 195.2                      | 8920                    | 78                                                            |
| 2240                 | AMI 560L8A B  | 10371         | 745              | 96.3                 | 96.3               | 0.83                 | 0.79               | 163                         | 5.9                                                  | 63                          | 28694                        | 0.8                                                  | 2.5                                                    | 216.3                      | 9410                    | 78                                                            |
| 2500                 | AMI 630L8A B  | 10372         | 746              | 96.5                 | 96.6               | 0.85                 | 0.83               | 176                         | 5.4                                                  | 56                          | 32018                        | 0.6                                                  | 2.2                                                    | 305.4                      | 11310                   | 79                                                            |
| 2800                 | AMI 630L8A B  | 10373         | 746              | 96.6                 | 96.6               | 0.84                 | 0.82               | 199                         | 5.5                                                  | 67                          | 35844                        | 0.6                                                  | 2.2                                                    | 340.9                      | 11940                   | 79                                                            |
| 3150                 | AMI 630L8A B  | 10374         | 746              | 96.6                 | 96.7               | 0.86                 | 0.84               | 219                         | 5.5                                                  | 66                          | 40333                        | 0.6                                                  | 2.2                                                    | 378.6                      | 12650                   | 79                                                            |
| 3550                 | AMI 630L8A B  | 10375         | 746              | 96.8                 | 96.8               | 0.83                 | 0.80               | 255                         | 5.7                                                  | 93                          | 45417                        | 0.6                                                  | 2.3                                                    | 424.5                      | 13600                   | 79                                                            |

# Modular induction motors, type AMI

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
10000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>$L_p$<br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|----------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_S$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_S$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                    |
| 600 r/min = 10 poles |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                    |
| 10000 V 50 Hz        |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                    |
| 530                  | AMI 500L10A   | 10376         | 593                  | 93.9                 | 94.2               | 0.83                 | 0.79               | 39               | 5.2                    | 16               | 8529              | 0.7                    | 2.1                        | 70.1                           | 5000                        | 76                                                 |
| 600                  | AMI 500L10A   | 10377         | 595                  | 94.1                 | 94.4               | 0.81                 | 0.76               | 45               | 5.3                    | 20               | 9637              | 0.7                    | 2.1                        | 70.9                           | 5020                        | 76                                                 |
| 650                  | AMI 500L10A   | 10378         | 595                  | 94.4                 | 94.6               | 0.82                 | 0.77               | 49               | 5.3                    | 21               | 10439             | 0.8                    | 2.1                        | 75.4                           | 5170                        | 76                                                 |
| 710                  | AMI 500L10A   | 10379         | 595                  | 94.6                 | 94.8               | 0.81                 | 0.76               | 54               | 5.3                    | 24               | 11388             | 0.8                    | 2.0                        | 80.6                           | 5330                        | 76                                                 |
| 770                  | AMI 500L10A   | 10380         | 595                  | 94.7                 | 95.0               | 0.83                 | 0.78               | 57               | 5.4                    | 23               | 12365             | 0.8                    | 2.1                        | 88.9                           | 5600                        | 76                                                 |
| 900                  | AMI 560L10A B | 10381         | 593                  | 94.7                 | 95.2               | 0.87                 | 0.85               | 63               | 4.7                    | 19               | 14502             | 0.6                    | 2.1                        | 160.4                          | 7520                        | 75                                                 |
| 1000                 | AMI 560L10A B | 10382         | 593                  | 95.0                 | 95.4               | 0.86                 | 0.83               | 71               | 5.2                    | 24               | 16098             | 0.7                    | 2.2                        | 160.4                          | 7530                        | 75                                                 |
| 1120                 | AMI 560L10A B | 10383         | 594                  | 95.3                 | 95.5               | 0.84                 | 0.80               | 81               | 5.5                    | 31               | 17993             | 0.8                    | 2.3                        | 160.7                          | 7550                        | 75                                                 |
| 1250                 | AMI 560L10A B | 10384         | 594                  | 95.4                 | 95.7               | 0.84                 | 0.81               | 90               | 5.5                    | 33               | 20081             | 0.8                    | 2.3                        | 176.8                          | 7910                        | 75                                                 |
| 1400                 | AMI 560L10A B | 10385         | 596                  | 95.7                 | 96.0               | 0.83                 | 0.80               | 101              | 5.5                    | 38               | 22448             | 0.8                    | 2.2                        | 194.1                          | 8300                        | 75                                                 |
| 1600                 | AMI 560L10A B | 10386         | 596                  | 96.0                 | 96.2               | 0.84                 | 0.80               | 115              | 5.5                    | 42               | 25633             | 0.8                    | 2.2                        | 219.9                          | 8870                        | 75                                                 |
| 1700                 | AMI 560L10A B | 10387         | 597                  | 96.1                 | 96.1               | 0.80                 | 0.75               | 128              | 5.7                    | 57               | 27213             | 0.7                    | 2.4                        | 236.0                          | 9240                        | 75                                                 |
| 1800                 | AMI 630L10A B | 10388         | 594                  | 96.0                 | 96.2               | 0.85                 | 0.83               | 127              | 5.4                    | 43               | 28915             | 0.8                    | 2.2                        | 344.1                          | 11180                       | 76                                                 |
| 2000                 | AMI 630L10A B | 10389         | 595                  | 96.0                 | 96.3               | 0.87                 | 0.85               | 139              | 5.5                    | 41               | 32093             | 0.8                    | 2.1                        | 391.5                          | 11820                       | 76                                                 |
| 2240                 | AMI 630L10A B | 10390         | 596                  | 96.2                 | 96.4               | 0.84                 | 0.82               | 159              | 5.6                    | 56               | 35902             | 0.8                    | 2.2                        | 416.2                          | 12280                       | 76                                                 |
| 2600                 | AMI 630L10A B | 10391         | 597                  | 96.5                 | 96.5               | 0.82                 | 0.79               | 189              | 5.8                    | 75               | 41621             | 0.7                    | 2.3                        | 476.4                          | 13250                       | 76                                                 |
| 500 r/min = 12 poles |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                    |
| 10000 V 50 Hz        |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                    |
| 355                  | AMI 500L12A   | 10392         | 494                  | 93.3                 | 93.4               | 0.76                 | 0.70               | 29               | 4.2                    | 15               | 6857              | 0.6                    | 2.0                        | 60.8                           | 5010                        | 76                                                 |
| 400                  | AMI 500L12A   | 10393         | 494                  | 93.3                 | 93.5               | 0.75                 | 0.69               | 33               | 4.2                    | 17               | 7727              | 0.6                    | 2.0                        | 60.8                           | 5010                        | 76                                                 |
| 450                  | AMI 500L12A   | 10394         | 495                  | 93.4                 | 93.4               | 0.75                 | 0.68               | 37               | 5.0                    | 20               | 8683              | 0.8                    | 2.2                        | 74.7                           | 5150                        | 76                                                 |
| 500                  | AMI 500L12A   | 10395         | 495                  | 93.6                 | 93.6               | 0.76                 | 0.69               | 41               | 4.9                    | 22               | 9650              | 0.8                    | 2.2                        | 79.2                           | 5290                        | 76                                                 |
| 560                  | AMI 500L12A   | 10396         | 494                  | 93.8                 | 94.0               | 0.78                 | 0.73               | 44               | 4.7                    | 21               | 10818             | 0.7                    | 2.0                        | 88.1                           | 5580                        | 76                                                 |
| 630                  | AMI 560L12A B | 10397         | 493                  | 93.9                 | 94.7               | 0.84                 | 0.82               | 46               | 4.1                    | 15               | 12210             | 0.6                    | 2.0                        | 159.5                          | 7490                        | 74                                                 |
| 710                  | AMI 560L12A B | 10398         | 493                  | 94.1                 | 94.8               | 0.83                 | 0.81               | 52               | 4.2                    | 19               | 13752             | 0.6                    | 2.0                        | 159.5                          | 7490                        | 74                                                 |
| 800                  | AMI 560L12A B | 10399         | 493                  | 94.3                 | 94.9               | 0.82                 | 0.79               | 59               | 4.5                    | 23               | 15482             | 0.7                    | 2.1                        | 159.5                          | 7500                        | 74                                                 |
| 900                  | AMI 560L12A B | 10400         | 495                  | 94.7                 | 95.2               | 0.81                 | 0.77               | 67               | 4.6                    | 28               | 17374             | 0.7                    | 2.1                        | 169.0                          | 7700                        | 74                                                 |
| 1000                 | AMI 560L12A B | 10401         | 495                  | 94.9                 | 95.4               | 0.82                 | 0.78               | 74               | 4.6                    | 30               | 19303             | 0.6                    | 2.1                        | 185.2                          | 8060                        | 74                                                 |
| 1120                 | AMI 560L12A B | 10402         | 495                  | 95.1                 | 95.6               | 0.82                 | 0.78               | 83               | 4.7                    | 34               | 21611             | 0.7                    | 2.1                        | 201.5                          | 8430                        | 74                                                 |
| 1250                 | AMI 560L12A B | 10403         | 495                  | 95.4                 | 95.7               | 0.81                 | 0.76               | 93               | 4.9                    | 40               | 24095             | 0.7                    | 2.3                        | 226.5                          | 8990                        | 74                                                 |
| 1400                 | AMI 630L12A B | 10404         | 495                  | 95.6                 | 95.9               | 0.83                 | 0.79               | 102              | 5.3                    | 41               | 27018             | 0.8                    | 2.3                        | 329.8                          | 10870                       | 75                                                 |
| 1600                 | AMI 630L12A B | 10405         | 495                  | 95.8                 | 96.0               | 0.82                 | 0.78               | 117              | 5.5                    | 48               | 30864             | 0.8                    | 2.4                        | 372.3                          | 11560                       | 75                                                 |
| 1800                 | AMI 630L12A B | 10406         | 496                  | 96.0                 | 96.1               | 0.81                 | 0.76               | 134              | 5.7                    | 58               | 34653             | 0.8                    | 2.3                        | 430.2                          | 12440                       | 75                                                 |
| 2000                 | AMI 630L12A B | 10407         | 497                  | 96.1                 | 96.3               | 0.80                 | 0.75               | 149              | 5.7                    | 68               | 38464             | 0.7                    | 2.6                        | 472.1                          | 13120                       | 75                                                 |



# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>S</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>S</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
|                      |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 3000 r/min = 2 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 710                  | AMI 400L2W    | 10500         | 2972                 | 95.7                 | 95.9               | 0.86                 | 0.84               | 166                             | 5.0                                                  | 44                              | 2281                             | 0.6                                                  | 2.1                                                    | 6.2                            | 2880                        | 82                                                                |
| 800                  | AMI 400L2W    | 10501         | 2968                 | 95.6                 | 95.9               | 0.86                 | 0.85               | 187                             | 4.4                                                  | 44                              | 2574                             | 0.5                                                  | 1.9                                                    | 6.2                            | 2880                        | 82                                                                |
| 900                  | AMI 400L2W    | 10502         | 2964                 | 95.4                 | 95.9               | 0.86                 | 0.86               | 210                             | 3.9                                                  | 44                              | 2900                             | 0.4                                                  | 1.7                                                    | 6.2                            | 2880                        | 82                                                                |
| 1000                 | AMI 400L2W    | 10503         | 2964                 | 95.5                 | 96.1               | 0.87                 | 0.87               | 231                             | 4.0                                                  | 44                              | 3222                             | 0.5                                                  | 1.7                                                    | 6.7                            | 2990                        | 82                                                                |
| 1120                 | AMI 400L2W    | 10504         | 2967                 | 95.8                 | 96.3               | 0.87                 | 0.87               | 259                             | 4.2                                                  | 54                              | 3604                             | 0.4                                                  | 1.8                                                    | 6.8                            | 3060                        | 82                                                                |
| 1250                 | AMI 400L2W    | 10505         | 2968                 | 96.0                 | 96.5               | 0.88                 | 0.89               | 284                             | 4.2                                                  | 52                              | 4022                             | 0.5                                                  | 1.8                                                    | 7.5                            | 3230                        | 82                                                                |
| 1370                 | AMI 400L2W    | 10506         | 2970                 | 96.2                 | 96.7               | 0.89                 | 0.89               | 309                             | 4.5                                                  | 57                              | 4405                             | 0.5                                                  | 1.9                                                    | 8.1                            | 3370                        | 82                                                                |
| 1400                 | AMI 400L2W    | 10507         | 2977                 | 96.4                 | 96.8               | 0.89                 | 0.89               | 315                             | 4.6                                                  | 55                              | 4491                             | 0.5                                                  | 1.8                                                    | 11.0                           | 3490                        | 82                                                                |
| 1400                 | AMI 450L2W    | 10508         | 2974                 | 96.3                 | 96.6               | 0.88                 | 0.87               | 318                             | 4.3                                                  | 70                              | 4496                             | 0.4                                                  | 1.9                                                    | 11.6                           | 4050                        | 83                                                                |
| 1600                 | AMI 450L2W    | 10509         | 2963                 | 96.0                 | 96.5               | 0.87                 | 0.88               | 367                             | 3.7                                                  | 68                              | 5156                             | 0.4                                                  | 1.6                                                    | 11.9                           | 4060                        | 83                                                                |
| 1800                 | AMI 450L2W    | 10510         | 2972                 | 96.4                 | 96.8               | 0.87                 | 0.87               | 412                             | 4.2                                                  | 90                              | 5783                             | 0.4                                                  | 1.8                                                    | 12.3                           | 4180                        | 83                                                                |
| 2100                 | AMI 450L2W    | 10511         | 2974                 | 96.6                 | 97.0               | 0.88                 | 0.87               | 475                             | 4.5                                                  | 105                             | 6742                             | 0.4                                                  | 1.9                                                    | 13.7                           | 4470                        | 83                                                                |
| 2200                 | AMI 450L2W    | 10512         | 2983                 | 96.9                 | 97.2               | 0.89                 | 0.89               | 490                             | 4.7                                                  | 104                             | 7043                             | 0.4                                                  | 2.0                                                    | 18.4                           | 4630                        | 83                                                                |
| 2240                 | AMI 500L2W    | 10513         | 2966                 | 96.1                 | 96.6               | 0.89                 | 0.88               | 507                             | 4.0                                                  | 104                             | 7212                             | 0.4                                                  | 1.7                                                    | 19.6                           | 5250                        | 84                                                                |
| 2650                 | AMI 500L2W    | 10514         | 2972                 | 96.6                 | 96.9               | 0.90                 | 0.90               | 590                             | 4.1                                                  | 112                             | 8513                             | 0.4                                                  | 1.8                                                    | 21.5                           | 5380                        | 84                                                                |
| 3100                 | AMI 500L2W    | 10515         | 2977                 | 96.9                 | 97.3               | 0.90                 | 0.90               | 681                             | 4.6                                                  | 128                             | 9943                             | 0.4                                                  | 1.9                                                    | 25.0                           | 5960                        | 84                                                                |
| 3150                 | AMI 500L2W    | 10516         | 2984                 | 97.1                 | 97.4               | 0.90                 | 0.90               | 691                             | 4.7                                                  | 126                             | 10082                            | 0.4                                                  | 1.9                                                    | 33.7                           | 6160                        | 84                                                                |
| 3550                 | AMI 560L2W B  | 10517         | 2980                 | 97.0                 | 97.2               | 0.90                 | 0.90               | 781                             | 5.1                                                  | 156                             | 11377                            | 0.4                                                  | 2.4                                                    | 38.9                           | 8130                        | 87                                                                |
| 4000                 | AMI 560L2W B  | 10518         | 2978                 | 97.0                 | 97.3               | 0.91                 | 0.91               | 875                             | 4.7                                                  | 150                             | 12828                            | 0.4                                                  | 2.3                                                    | 40.7                           | 8380                        | 87                                                                |
| 4500                 | AMI 560L2W B  | 10519         | 2979                 | 97.1                 | 97.4               | 0.91                 | 0.91               | 982                             | 5.0                                                  | 177                             | 14426                            | 0.4                                                  | 2.4                                                    | 44.4                           | 8780                        | 87                                                                |
| 4900                 | AMI 560L2W B  | 10520         | 2980                 | 97.2                 | 97.5               | 0.92                 | 0.92               | 1058                            | 5.1                                                  | 174                             | 15702                            | 0.5                                                  | 2.4                                                    | 47.6                           | 9190                        | 87                                                                |
| 5400                 | AMI 560L2W B  | 10521         | 2981                 | 97.3                 | 97.5               | 0.91                 | 0.91               | 1169                            | 5.5                                                  | 218                             | 17296                            | 0.5                                                  | 2.6                                                    | 51.3                           | 9590                        | 87                                                                |
| 5800                 | AMI 560L2W B  | 10522         | 2987                 | 97.5                 | 97.7               | 0.92                 | 0.92               | 1248                            | 5.3                                                  | 214                             | 18542                            | 0.4                                                  | 2.4                                                    | 69.0                           | 9910                        | 87                                                                |
| 6200                 | AMI 630L2W B  | 10523         | 2981                 | 97.0                 | 97.2               | 0.91                 | 0.91               | 1348                            | 5.0                                                  | 206                             | 19863                            | 0.4                                                  | 2.4                                                    | 91.0                           | 11490                       | 88                                                                |
| 6900                 | AMI 630L2W B  | 10524         | 2982                 | 97.3                 | 97.4               | 0.92                 | 0.91               | 1490                            | 5.6                                                  | 238                             | 22095                            | 0.5                                                  | 2.7                                                    | 93.5                           | 11900                       | 88                                                                |
| 7500                 | AMI 630L2W B  | 10525         | 2983                 | 97.3                 | 97.4               | 0.91                 | 0.91               | 1632                            | 5.7                                                  | 279                             | 24009                            | 0.5                                                  | 2.7                                                    | 107.8                          | 12820                       | 88                                                                |
| 8000                 | AMI 630L2W B  | 10526         | 2987                 | 97.4                 | 97.5               | 0.92                 | 0.92               | 1720                            | 5.6                                                  | 268                             | 25573                            | 0.4                                                  | 2.6                                                    | 138.9                          | 13220                       | 88                                                                |

# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                   |                                          |                           | Torque                     |                                          |                                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>L <sub>p</sub><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------|------------------------------------------|---------------------------|----------------------------|------------------------------------------|--------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | I <sub>N</sub><br><br>(A) | I <sub>S</sub><br>I <sub>N</sub><br>(pu) | I <sub>0</sub><br><br>(A) | T <sub>N</sub><br><br>(Nm) | T <sub>S</sub><br>T <sub>N</sub><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br>(pu) |                                |                             |                                                             |
| 1500 r/min = 4 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |
| 710                  | AMI 400L4W    | 10527         | 1484                 | 95.3                 | 95.6               | 0.85                 | 0.82               | 169                       | 4.8                                      | 57                        | 4568                       | 0.6                                      | 2.0                                        | 13.1                           | 2770                        | 79                                                          |
| 800                  | AMI 400L4W    | 10528         | 1483                 | 95.3                 | 95.7               | 0.86                 | 0.84               | 188                       | 4.5                                      | 55                        | 5150                       | 0.6                                      | 1.9                                        | 14.1                           | 2850                        | 79                                                          |
| 900                  | AMI 400L4W    | 10529         | 1484                 | 95.5                 | 95.9               | 0.86                 | 0.85               | 210                       | 4.8                                      | 62                        | 5792                       | 0.6                                      | 1.9                                        | 15.1                           | 2940                        | 79                                                          |
| 1000                 | AMI 400L4W    | 10530         | 1484                 | 95.6                 | 96.0               | 0.87                 | 0.85               | 232                       | 4.9                                      | 66                        | 6435                       | 0.7                                      | 2.0                                        | 16.1                           | 3040                        | 79                                                          |
| 1120                 | AMI 400L4W    | 10531         | 1484                 | 95.8                 | 96.2               | 0.87                 | 0.85               | 260                       | 5.0                                      | 75                        | 7206                       | 0.7                                      | 2.0                                        | 17.1                           | 3150                        | 79                                                          |
| 1300                 | AMI 400L4W    | 10532         | 1483                 | 95.9                 | 96.3               | 0.88                 | 0.87               | 296                       | 4.8                                      | 73                        | 8369                       | 0.7                                      | 1.9                                        | 19.2                           | 3350                        | 79                                                          |
| 1400                 | AMI 450L4W    | 10533         | 1485                 | 95.8                 | 96.2               | 0.88                 | 0.88               | 321                       | 4.3                                      | 71                        | 9002                       | 0.5                                      | 1.7                                        | 27.9                           | 3870                        | 80                                                          |
| 1500                 | AMI 450L4W    | 10534         | 1487                 | 96.0                 | 96.4               | 0.88                 | 0.87               | 343                       | 4.7                                      | 84                        | 9636                       | 0.6                                      | 1.8                                        | 29.7                           | 4000                        | 80                                                          |
| 1700                 | AMI 450L4W    | 10535         | 1487                 | 96.2                 | 96.5               | 0.87                 | 0.86               | 392                       | 5.0                                      | 106                       | 10914                      | 0.6                                      | 2.0                                        | 31.5                           | 4130                        | 80                                                          |
| 1900                 | AMI 450L4W    | 10536         | 1488                 | 96.3                 | 96.6               | 0.87                 | 0.86               | 435                       | 5.4                                      | 118                       | 12192                      | 0.7                                      | 2.1                                        | 35.0                           | 4360                        | 80                                                          |
| 2100                 | AMI 450L4W    | 10537         | 1488                 | 96.4                 | 96.7               | 0.87                 | 0.86               | 481                       | 5.4                                      | 131                       | 13475                      | 0.7                                      | 2.1                                        | 36.8                           | 4490                        | 80                                                          |
| 2200                 | AMI 500L4W    | 10538         | 1487                 | 96.1                 | 96.5               | 0.88                 | 0.88               | 499                       | 4.4                                      | 106                       | 14124                      | 0.5                                      | 1.7                                        | 50.6                           | 5140                        | 81                                                          |
| 2360                 | AMI 500L4W    | 10539         | 1488                 | 96.2                 | 96.6               | 0.89                 | 0.88               | 533                       | 4.6                                      | 115                       | 15145                      | 0.5                                      | 1.7                                        | 53.7                           | 5300                        | 81                                                          |
| 2650                 | AMI 500L4W    | 10540         | 1488                 | 96.3                 | 96.7               | 0.88                 | 0.88               | 599                       | 4.7                                      | 131                       | 17005                      | 0.6                                      | 1.8                                        | 56.7                           | 5460                        | 81                                                          |
| 2900                 | AMI 500L4W    | 10541         | 1489                 | 96.5                 | 96.9               | 0.89                 | 0.89               | 646                       | 4.9                                      | 135                       | 18595                      | 0.6                                      | 1.8                                        | 63.4                           | 5790                        | 81                                                          |
| 3250                 | AMI 500L4W    | 10542         | 1490                 | 96.7                 | 97.0               | 0.90                 | 0.90               | 719                       | 5.0                                      | 145                       | 20836                      | 0.6                                      | 1.9                                        | 69.5                           | 6130                        | 81                                                          |
| 3550                 | AMI 560L4W B  | 10543         | 1489                 | 96.5                 | 96.9               | 0.87                 | 0.87               | 811                       | 4.4                                      | 163                       | 22773                      | 0.5                                      | 1.9                                        | 96.3                           | 7580                        | 83                                                          |
| 4100                 | AMI 560L4W B  | 10544         | 1489                 | 96.7                 | 97.1               | 0.89                 | 0.90               | 917                       | 4.5                                      | 154                       | 26300                      | 0.5                                      | 1.9                                        | 110.4                          | 8150                        | 83                                                          |
| 4750                 | AMI 560L4W B  | 10545         | 1489                 | 96.9                 | 97.3               | 0.90                 | 0.90               | 1054                      | 4.8                                      | 176                       | 30457                      | 0.6                                      | 2.0                                        | 124.5                          | 8760                        | 83                                                          |
| 5500                 | AMI 560L4W B  | 10546         | 1491                 | 97.2                 | 97.4               | 0.89                 | 0.88               | 1227                      | 5.7                                      | 265                       | 35229                      | 0.6                                      | 2.5                                        | 134.5                          | 9180                        | 83                                                          |
| 6300                 | AMI 630L4W B  | 10547         | 1491                 | 97.2                 | 97.5               | 0.89                 | 0.89               | 1405                      | 4.9                                      | 255                       | 40349                      | 0.5                                      | 2.1                                        | 207.7                          | 11860                       | 84                                                          |
| 7100                 | AMI 630L4W B  | 10548         | 1492                 | 97.4                 | 97.6               | 0.89                 | 0.87               | 1584                      | 5.8                                      | 366                       | 45429                      | 0.6                                      | 2.6                                        | 230.5                          | 12620                       | 84                                                          |
| 8000                 | AMI 630L4W B  | 10549         | 1491                 | 97.4                 | 97.6               | 0.89                 | 0.89               | 1771                      | 5.3                                      | 351                       | 51221                      | 0.5                                      | 2.3                                        | 237.9                          | 12850                       | 84                                                          |

# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current      |                        |              | Torque        |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|--------------|------------------------|--------------|---------------|------------------------|----------------------------|--------------------------------|-----------------------------|------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br>(A) | $I_S$<br>$I_N$<br>(pu) | $I_0$<br>(A) | $T_N$<br>(Nm) | $T_S$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                |
| 1000 r/min = 6 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |              |                        |              |               |                        |                            |                                |                             |                                                |
| 500                  | AMI 400L6W    | 10550         | 987                  | 94.9                 | 95.3               | 0.85                 | 0.82               | 120          | 4.6                    | 40           | 4839          | 0.7                    | 1.8                        | 15.5                           | 2780                        | 77                                             |
| 560                  | AMI 400L6W    | 10551         | 988                  | 95.2                 | 95.4               | 0.84                 | 0.81               | 135          | 4.9                    | 49           | 5414          | 0.8                    | 2.0                        | 16.7                           | 2880                        | 77                                             |
| 630                  | AMI 400L6W    | 10552         | 988                  | 95.1                 | 95.3               | 0.81                 | 0.77               | 158          | 5.0                    | 65           | 6089          | 0.8                    | 2.0                        | 16.7                           | 2860                        | 77                                             |
| 710                  | AMI 400L6W    | 10553         | 988                  | 95.1                 | 95.5               | 0.82                 | 0.78               | 175          | 4.9                    | 68           | 6865          | 0.8                    | 2.0                        | 18.0                           | 2960                        | 77                                             |
| 800                  | AMI 400L6W    | 10554         | 988                  | 95.2                 | 95.6               | 0.82                 | 0.79               | 197          | 4.9                    | 74           | 7736          | 0.8                    | 2.0                        | 19.2                           | 3060                        | 77                                             |
| 900                  | AMI 400L6W    | 10555         | 988                  | 95.3                 | 95.7               | 0.82                 | 0.78               | 222          | 4.9                    | 86           | 8702          | 0.9                    | 2.0                        | 20.4                           | 3150                        | 77                                             |
| 980                  | AMI 400L6W    | 10556         | 988                  | 95.5                 | 95.8               | 0.83                 | 0.80               | 237          | 5.0                    | 85           | 9472          | 0.9                    | 2.0                        | 22.8                           | 3340                        | 77                                             |
| 1000                 | AMI 450L6W    | 10557         | 989                  | 95.6                 | 96.1               | 0.85                 | 0.83               | 237          | 4.7                    | 72           | 9656          | 0.6                    | 1.9                        | 33.2                           | 3760                        | 78                                             |
| 1120                 | AMI 450L6W    | 10558         | 989                  | 95.7                 | 96.2               | 0.85                 | 0.83               | 265          | 4.7                    | 81           | 10813         | 0.6                    | 1.9                        | 35.5                           | 3890                        | 78                                             |
| 1250                 | AMI 450L6W    | 10559         | 990                  | 95.9                 | 96.3               | 0.85                 | 0.83               | 294          | 5.1                    | 92           | 12059         | 0.7                    | 2.0                        | 40.0                           | 4120                        | 78                                             |
| 1400                 | AMI 450L6W    | 10560         | 990                  | 96.0                 | 96.4               | 0.85                 | 0.83               | 330          | 5.1                    | 102          | 13507         | 0.7                    | 2.0                        | 42.2                           | 4240                        | 78                                             |
| 1600                 | AMI 450L6W    | 10561         | 990                  | 96.2                 | 96.5               | 0.85                 | 0.83               | 377          | 5.3                    | 121          | 15431         | 0.8                    | 2.1                        | 46.7                           | 4500                        | 78                                             |
| 1800                 | AMI 500L6W    | 10562         | 991                  | 96.2                 | 96.6               | 0.88                 | 0.87               | 410          | 4.9                    | 104          | 17353         | 0.7                    | 1.9                        | 65.5                           | 5290                        | 79                                             |
| 2000                 | AMI 500L6W    | 10563         | 991                  | 96.3                 | 96.7               | 0.87                 | 0.85               | 462          | 5.3                    | 135          | 19267         | 0.8                    | 2.0                        | 69.1                           | 5450                        | 79                                             |
| 2240                 | AMI 500L6W    | 10564         | 991                  | 96.3                 | 96.8               | 0.88                 | 0.87               | 508          | 5.0                    | 128          | 21576         | 0.7                    | 1.9                        | 77.2                           | 5730                        | 79                                             |
| 2500                 | AMI 500L6W    | 10565         | 992                  | 96.5                 | 96.9               | 0.87                 | 0.86               | 570          | 5.5                    | 162          | 24060         | 0.8                    | 2.1                        | 84.6                           | 6030                        | 79                                             |
| 2700                 | AMI 500L6W    | 10566         | 992                  | 96.6                 | 96.9               | 0.87                 | 0.85               | 618          | 5.7                    | 180          | 25997         | 0.9                    | 2.2                        | 87.6                           | 6200                        | 79                                             |
| 3150                 | AMI 560L6W B  | 10567         | 992                  | 96.6                 | 97.0               | 0.88                 | 0.87               | 716          | 5.0                    | 164          | 30314         | 0.6                    | 2.0                        | 141.2                          | 7840                        | 80                                             |
| 3550                 | AMI 560L6W B  | 10568         | 992                  | 96.8                 | 97.2               | 0.88                 | 0.87               | 804          | 5.4                    | 190          | 34159         | 0.8                    | 2.2                        | 158.4                          | 8430                        | 80                                             |
| 4000                 | AMI 560L6W B  | 10569         | 992                  | 96.9                 | 97.2               | 0.88                 | 0.87               | 905          | 5.3                    | 210          | 38491         | 0.8                    | 2.2                        | 170.7                          | 8820                        | 80                                             |
| 4400                 | AMI 560L6W B  | 10570         | 993                  | 97.0                 | 97.3               | 0.88                 | 0.88               | 988          | 5.4                    | 219          | 42333         | 0.8                    | 2.2                        | 189.2                          | 9400                        | 80                                             |
| 5000                 | AMI 630L6W B  | 10571         | 993                  | 97.1                 | 97.4               | 0.87                 | 0.86               | 1144         | 5.2                    | 287          | 48077         | 0.7                    | 2.2                        | 258.6                          | 11480                       | 81                                             |
| 5600                 | AMI 630L6W B  | 10572         | 993                  | 97.1                 | 97.4               | 0.88                 | 0.88               | 1260         | 5.1                    | 275          | 53849         | 0.7                    | 2.1                        | 296.4                          | 12400                       | 81                                             |
| 6500                 | AMI 630L6W B  | 10573         | 993                  | 97.2                 | 97.5               | 0.88                 | 0.88               | 1456         | 5.1                    | 303          | 62503         | 0.7                    | 2.1                        | 334.2                          | 13360                       | 81                                             |

# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)  | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                   |                                          |                           | Torque                     |                                          |                                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>L <sub>p</sub><br><br>(dB(A)) |
|---------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------|------------------------------------------|---------------------------|----------------------------|------------------------------------------|--------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------|
|                     |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | I <sub>N</sub><br><br>(A) | I <sub>S</sub><br>I <sub>N</sub><br>(pu) | I <sub>0</sub><br><br>(A) | T <sub>N</sub><br><br>(Nm) | T <sub>S</sub><br>T <sub>N</sub><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br>(pu) |                                |                             |                                                             |
|                     |               |               |                      |                      |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |
| 750 r/min = 8 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |
| 315                 | AMI 400L8W    | 10574         | 742                  | 94.9                 | 95.0               | 0.80                 | 0.76               | 79                        | 5.1                                      | 35                        | 4054                       | 0.8                                      | 2.1                                        | 17.8                           | 2750                        | 75                                                          |
| 355                 | AMI 400L8W    | 10575         | 741                  | 94.7                 | 95.1               | 0.82                 | 0.78               | 88                        | 4.6                                      | 35                        | 4576                       | 0.7                                      | 1.8                                        | 17.8                           | 2750                        | 75                                                          |
| 400                 | AMI 400L8W    | 10576         | 740                  | 94.5                 | 94.9               | 0.81                 | 0.77               | 101                       | 4.5                                      | 41                        | 5159                       | 0.7                                      | 1.8                                        | 17.8                           | 2750                        | 75                                                          |
| 450                 | AMI 400L8W    | 10577         | 740                  | 94.8                 | 95.2               | 0.82                 | 0.78               | 112                       | 4.5                                      | 44                        | 5803                       | 0.7                                      | 1.8                                        | 19.2                           | 2850                        | 75                                                          |
| 500                 | AMI 400L8W    | 10578         | 740                  | 94.9                 | 95.3               | 0.82                 | 0.79               | 123                       | 4.5                                      | 46                        | 6450                       | 0.7                                      | 1.7                                        | 20.7                           | 2940                        | 75                                                          |
| 560                 | AMI 400L8W    | 10579         | 740                  | 94.9                 | 95.4               | 0.82                 | 0.79               | 138                       | 4.4                                      | 51                        | 7224                       | 0.7                                      | 1.7                                        | 22.1                           | 3040                        | 75                                                          |
| 630                 | AMI 400L8W    | 10580         | 740                  | 95.1                 | 95.5               | 0.82                 | 0.79               | 155                       | 4.5                                      | 58                        | 8126                       | 0.7                                      | 1.7                                        | 23.6                           | 3140                        | 75                                                          |
| 680                 | AMI 400L8W    | 10581         | 741                  | 95.2                 | 95.7               | 0.83                 | 0.80               | 166                       | 4.6                                      | 59                        | 8768                       | 0.7                                      | 1.7                                        | 26.5                           | 3320                        | 75                                                          |
| 710                 | AMI 450L8W    | 10582         | 742                  | 95.5                 | 95.8               | 0.81                 | 0.77               | 176                       | 5.1                                      | 74                        | 9136                       | 0.8                                      | 2.1                                        | 38.1                           | 3740                        | 76                                                          |
| 800                 | AMI 450L8W    | 10583         | 742                  | 95.6                 | 95.8               | 0.81                 | 0.76               | 199                       | 5.2                                      | 86                        | 10291                      | 0.8                                      | 2.1                                        | 40.8                           | 3860                        | 76                                                          |
| 900                 | AMI 450L8W    | 10584         | 742                  | 95.6                 | 95.9               | 0.82                 | 0.78               | 220                       | 5.3                                      | 88                        | 11577                      | 0.8                                      | 2.1                                        | 46.1                           | 4070                        | 76                                                          |
| 1000                | AMI 450L8W    | 10585         | 742                  | 95.7                 | 96.0               | 0.83                 | 0.79               | 242                       | 5.1                                      | 94                        | 12868                      | 0.8                                      | 2.0                                        | 48.8                           | 4200                        | 76                                                          |
| 1150                | AMI 450L8W    | 10586         | 742                  | 95.8                 | 96.1               | 0.82                 | 0.78               | 281                       | 5.3                                      | 113                       | 14790                      | 0.8                                      | 2.1                                        | 54.2                           | 4440                        | 76                                                          |
| 1250                | AMI 500L8W    | 10587         | 741                  | 95.5                 | 95.9               | 0.84                 | 0.82               | 300                       | 4.6                                      | 98                        | 16107                      | 0.7                                      | 1.8                                        | 71.1                           | 5070                        | 77                                                          |
| 1400                | AMI 500L8W    | 10588         | 742                  | 95.7                 | 96.0               | 0.84                 | 0.81               | 335                       | 4.9                                      | 113                       | 18025                      | 0.7                                      | 1.9                                        | 79.9                           | 5380                        | 77                                                          |
| 1600                | AMI 500L8W    | 10589         | 742                  | 95.9                 | 96.2               | 0.84                 | 0.82               | 381                       | 5.2                                      | 129                       | 20585                      | 0.8                                      | 2.0                                        | 93.2                           | 5830                        | 77                                                          |
| 1800                | AMI 500L8W    | 10590         | 743                  | 96.1                 | 96.4               | 0.84                 | 0.82               | 429                       | 5.1                                      | 142                       | 23119                      | 0.8                                      | 1.9                                        | 103.3                          | 6150                        | 77                                                          |
| 2000                | AMI 560L8W B  | 10591         | 742                  | 96.2                 | 96.6               | 0.85                 | 0.84               | 471                       | 4.5                                      | 130                       | 25750                      | 0.6                                      | 1.9                                        | 147.2                          | 7630                        | 76                                                          |
| 2240                | AMI 560L8W B  | 10592         | 742                  | 96.2                 | 96.7               | 0.85                 | 0.85               | 524                       | 4.4                                      | 136                       | 28845                      | 0.6                                      | 1.9                                        | 161.2                          | 8010                        | 76                                                          |
| 2500                | AMI 560L8W B  | 10593         | 742                  | 96.3                 | 96.7               | 0.86                 | 0.85               | 582                       | 4.5                                      | 153                       | 32185                      | 0.6                                      | 1.9                                        | 175.0                          | 8400                        | 76                                                          |
| 2800                | AMI 560L8W B  | 10594         | 743                  | 96.4                 | 96.8               | 0.85                 | 0.84               | 660                       | 4.6                                      | 181                       | 35998                      | 0.7                                      | 1.8                                        | 189.1                          | 8710                        | 76                                                          |
| 3150                | AMI 560L8W B  | 10595         | 744                  | 96.6                 | 96.9               | 0.84                 | 0.83               | 745                       | 4.8                                      | 212                       | 40442                      | 0.7                                      | 1.8                                        | 211.1                          | 9310                        | 76                                                          |
| 3400                | AMI 560L8W B  | 10596         | 745                  | 96.8                 | 97.0               | 0.83                 | 0.81               | 812                       | 5.1                                      | 258                       | 43600                      | 0.7                                      | 2.0                                        | 220.1                          | 9520                        | 76                                                          |
| 3550                | AMI 630L8W B  | 10597         | 744                  | 96.7                 | 97.1               | 0.84                 | 0.83               | 845                       | 4.5                                      | 222                       | 45541                      | 0.6                                      | 1.7                                        | 294.9                          | 10910                       | 77                                                          |
| 4000                | AMI 630L8W B  | 10598         | 745                  | 96.9                 | 97.2               | 0.84                 | 0.84               | 946                       | 4.6                                      | 245                       | 51297                      | 0.6                                      | 1.8                                        | 331.5                          | 11650                       | 77                                                          |
| 4500                | AMI 630L8W B  | 10599         | 745                  | 96.9                 | 97.2               | 0.85                 | 0.84               | 1052                      | 4.9                                      | 275                       | 57719                      | 0.6                                      | 1.9                                        | 378.6                          | 12600                       | 77                                                          |
| 4800                | AMI 630L8W B  | 10600         | 745                  | 97.0                 | 97.3               | 0.86                 | 0.86               | 1113                      | 4.7                                      | 264                       | 61529                      | 0.6                                      | 1.8                                        | 429.1                          | 13590                       | 77                                                          |



# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|---------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                               |
|                      |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 600 r/min = 10 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 250                  | AMI 400L10W   | 10601         | 590                  | 93.5                 | 93.9               | 0.76                 | 0.72               | 67                              | 4.0                                                  | 31                              | 4043                             | 0.7                                                  | 1.7                                                    | 17.5                           | 2750                        | 75                                                            |
| 280                  | AMI 400L10W   | 10602         | 590                  | 93.7                 | 94.0               | 0.77                 | 0.72               | 75                              | 4.0                                                  | 33                              | 4529                             | 0.7                                                  | 1.7                                                    | 18.9                           | 2850                        | 75                                                            |
| 315                  | AMI 400L10W   | 10603         | 591                  | 93.8                 | 94.2               | 0.77                 | 0.72               | 84                              | 4.0                                                  | 38                              | 5093                             | 0.7                                                  | 1.7                                                    | 20.4                           | 2940                        | 75                                                            |
| 355                  | AMI 400L10W   | 10604         | 590                  | 94.0                 | 94.4               | 0.78                 | 0.74               | 93                              | 3.9                                                  | 39                              | 5742                             | 0.6                                                  | 1.7                                                    | 23.2                           | 3130                        | 75                                                            |
| 400                  | AMI 400L10W   | 10605         | 591                  | 94.2                 | 94.4               | 0.76                 | 0.71               | 107                             | 4.3                                                  | 50                              | 6460                             | 0.7                                                  | 1.8                                                    | 24.6                           | 3230                        | 75                                                            |
| 450                  | AMI 400L10W   | 10606         | 591                  | 94.1                 | 94.4               | 0.77                 | 0.72               | 120                             | 4.2                                                  | 54                              | 7272                             | 0.7                                                  | 1.7                                                    | 26.1                           | 3310                        | 75                                                            |
| 500                  | AMI 450L10W   | 10607         | 591                  | 94.7                 | 95.2               | 0.82                 | 0.79               | 123                             | 4.3                                                  | 45                              | 8073                             | 0.7                                                  | 1.7                                                    | 40.5                           | 3830                        | 76                                                            |
| 560                  | AMI 450L10W   | 10608         | 592                  | 94.8                 | 95.3               | 0.82                 | 0.79               | 138                             | 4.4                                                  | 52                              | 9038                             | 0.8                                                  | 1.8                                                    | 43.2                           | 3950                        | 76                                                            |
| 630                  | AMI 450L10W   | 10609         | 592                  | 95.0                 | 95.4               | 0.81                 | 0.77               | 157                             | 4.7                                                  | 64                              | 10159                            | 0.8                                                  | 1.9                                                    | 45.9                           | 4080                        | 76                                                            |
| 710                  | AMI 450L10W   | 10610         | 591                  | 94.7                 | 95.2               | 0.82                 | 0.79               | 176                             | 4.3                                                  | 65                              | 11463                            | 0.8                                                  | 1.7                                                    | 48.6                           | 4160                        | 76                                                            |
| 780                  | AMI 450L10W   | 10611         | 591                  | 95.0                 | 95.5               | 0.83                 | 0.80               | 191                             | 4.2                                                  | 65                              | 12599                            | 0.7                                                  | 1.7                                                    | 54.0                           | 4440                        | 76                                                            |
| 900                  | AMI 500L10W   | 10612         | 593                  | 95.3                 | 95.8               | 0.83                 | 0.80               | 219                             | 4.5                                                  | 78                              | 14496                            | 0.7                                                  | 1.8                                                    | 72.3                           | 5050                        | 77                                                            |
| 1000                 | AMI 500L10W   | 10613         | 593                  | 95.5                 | 95.9               | 0.84                 | 0.81               | 241                             | 4.5                                                  | 82                              | 16106                            | 0.7                                                  | 1.8                                                    | 81.3                           | 5350                        | 77                                                            |
| 1120                 | AMI 500L10W   | 10614         | 593                  | 95.7                 | 96.1               | 0.84                 | 0.81               | 269                             | 4.7                                                  | 93                              | 18030                            | 0.7                                                  | 1.8                                                    | 90.3                           | 5670                        | 77                                                            |
| 1200                 | AMI 500L10W   | 10615         | 593                  | 95.7                 | 96.1               | 0.84                 | 0.81               | 289                             | 4.8                                                  | 102                             | 19313                            | 0.7                                                  | 1.9                                                    | 94.8                           | 5810                        | 77                                                            |
| 1350                 | AMI 500L10W   | 10616         | 593                  | 95.8                 | 96.2               | 0.83                 | 0.80               | 325                             | 4.9                                                  | 116                             | 21722                            | 0.8                                                  | 1.9                                                    | 103.8                          | 6130                        | 77                                                            |
| 1600                 | AMI 560L10W B | 10617         | 592                  | 95.8                 | 96.3               | 0.85                 | 0.84               | 377                             | 4.5                                                  | 113                             | 25787                            | 0.7                                                  | 2.0                                                    | 157.4                          | 7370                        | 75                                                            |
| 1800                 | AMI 560L10W B | 10618         | 593                  | 96.0                 | 96.5               | 0.86                 | 0.84               | 422                             | 4.7                                                  | 124                             | 28991                            | 0.7                                                  | 2.0                                                    | 181.6                          | 7950                        | 75                                                            |
| 2000                 | AMI 560L10W B | 10619         | 593                  | 96.0                 | 96.5               | 0.86                 | 0.85               | 467                             | 4.6                                                  | 131                             | 32221                            | 0.7                                                  | 1.9                                                    | 197.7                          | 8330                        | 75                                                            |
| 2240                 | AMI 560L10W B | 10620         | 593                  | 96.2                 | 96.7               | 0.85                 | 0.84               | 524                             | 4.6                                                  | 147                             | 36044                            | 0.6                                                  | 1.9                                                    | 215.7                          | 8740                        | 75                                                            |
| 2600                 | AMI 560L10W B | 10621         | 595                  | 96.6                 | 96.9               | 0.84                 | 0.82               | 616                             | 5.3                                                  | 207                             | 41728                            | 0.8                                                  | 2.1                                                    | 248.3                          | 9510                        | 75                                                            |
| 2800                 | AMI 630L10W B | 10622         | 594                  | 96.5                 | 96.9               | 0.86                 | 0.84               | 651                             | 5.1                                                  | 187                             | 44989                            | 0.8                                                  | 2.0                                                    | 366.9                          | 11350                       | 75                                                            |
| 3150                 | AMI 630L10W B | 10623         | 594                  | 96.6                 | 97.0               | 0.86                 | 0.85               | 729                             | 5.1                                                  | 203                             | 50609                            | 0.8                                                  | 2.0                                                    | 409.9                          | 12080                       | 75                                                            |
| 3400                 | AMI 630L10W B | 10624         | 595                  | 96.8                 | 97.1               | 0.86                 | 0.85               | 787                             | 5.1                                                  | 216                             | 54532                            | 0.8                                                  | 1.9                                                    | 443.6                          | 12580                       | 75                                                            |
| 3700                 | AMI 630L10W B | 10625         | 596                  | 96.9                 | 97.1               | 0.86                 | 0.84               | 855                             | 5.5                                                  | 249                             | 59303                            | 0.8                                                  | 2.1                                                    | 501.6                          | 13470                       | 75                                                            |

# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 500 r/min = 12 poles |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 3000 V 50 Hz         |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 160                  | AMI 400L12W   | 10626         | 493                  | 92.3                 | 92.0               | 0.69                 | 0.62               | 48                              | 4.0                                                  | 28                              | 3101                             | 0.9                                                  | 1.9                                                    | 17.5                           | 2750                        | 75                                                                |
| 200                  | AMI 400L12W   | 10627         | 492                  | 92.6                 | 92.5               | 0.71                 | 0.65               | 59                              | 3.8                                                  | 32                              | 3879                             | 0.8                                                  | 1.8                                                    | 19.0                           | 2850                        | 75                                                                |
| 224                  | AMI 400L12W   | 10628         | 492                  | 92.8                 | 92.7               | 0.71                 | 0.65               | 66                              | 3.9                                                  | 36                              | 4343                             | 0.8                                                  | 1.8                                                    | 20.4                           | 2940                        | 75                                                                |
| 250                  | AMI 400L12W   | 10629         | 493                  | 92.8                 | 92.8               | 0.71                 | 0.65               | 73                              | 3.8                                                  | 39                              | 4842                             | 0.7                                                  | 1.7                                                    | 22.2                           | 3020                        | 75                                                                |
| 280                  | AMI 400L12W   | 10630         | 493                  | 93.1                 | 92.9               | 0.70                 | 0.63               | 83                              | 4.1                                                  | 47                              | 5422                             | 0.8                                                  | 1.9                                                    | 24.7                           | 3230                        | 75                                                                |
| 315                  | AMI 400L12W   | 10631         | 493                  | 93.1                 | 92.9               | 0.70                 | 0.64               | 93                              | 4.0                                                  | 51                              | 6103                             | 0.8                                                  | 1.8                                                    | 26.2                           | 3300                        | 75                                                                |
| 355                  | AMI 450L12W   | 10632         | 493                  | 94.2                 | 94.5               | 0.75                 | 0.70               | 96                              | 4.1                                                  | 46                              | 6878                             | 0.7                                                  | 1.8                                                    | 37.7                           | 3710                        | 76                                                                |
| 400                  | AMI 450L12W   | 10633         | 493                  | 94.2                 | 94.5               | 0.76                 | 0.71               | 108                             | 4.0                                                  | 51                              | 7752                             | 0.7                                                  | 1.7                                                    | 40.4                           | 3820                        | 76                                                                |
| 450                  | AMI 450L12W   | 10634         | 493                  | 94.3                 | 94.6               | 0.76                 | 0.71               | 121                             | 4.0                                                  | 57                              | 8720                             | 0.7                                                  | 1.7                                                    | 43.0                           | 3940                        | 76                                                                |
| 500                  | AMI 450L12W   | 10635         | 493                  | 94.4                 | 94.8               | 0.77                 | 0.72               | 133                             | 4.0                                                  | 60                              | 9691                             | 0.7                                                  | 1.7                                                    | 48.4                           | 4180                        | 76                                                                |
| 560                  | AMI 450L12W   | 10636         | 493                  | 94.6                 | 94.9               | 0.77                 | 0.72               | 148                             | 4.0                                                  | 66                              | 10851                            | 0.7                                                  | 1.7                                                    | 53.8                           | 4420                        | 76                                                                |
| 630                  | AMI 500L12W   | 10637         | 493                  | 94.7                 | 95.1               | 0.77                 | 0.73               | 165                             | 4.0                                                  | 74                              | 12198                            | 0.6                                                  | 1.7                                                    | 67.3                           | 4890                        | 77                                                                |
| 710                  | AMI 500L12W   | 10638         | 493                  | 94.8                 | 95.3               | 0.79                 | 0.75               | 183                             | 3.9                                                  | 76                              | 13752                            | 0.6                                                  | 1.7                                                    | 76.2                           | 5200                        | 77                                                                |
| 800                  | AMI 500L12W   | 10639         | 494                  | 95.1                 | 95.5               | 0.78                 | 0.74               | 207                             | 4.1                                                  | 91                              | 15479                            | 0.6                                                  | 1.8                                                    | 85.2                           | 5520                        | 77                                                                |
| 900                  | AMI 500L12W   | 10640         | 493                  | 95.2                 | 95.6               | 0.79                 | 0.75               | 231                             | 4.0                                                  | 96                              | 17421                            | 0.6                                                  | 1.7                                                    | 94.2                           | 5820                        | 77                                                                |
| 970                  | AMI 500L12W   | 10641         | 493                  | 95.1                 | 95.5               | 0.80                 | 0.76               | 246                             | 4.1                                                  | 98                              | 18794                            | 0.6                                                  | 1.7                                                    | 102.5                          | 6120                        | 77                                                                |
| 1120                 | AMI 560L12W B | 10642         | 493                  | 95.6                 | 96.1               | 0.81                 | 0.77               | 278                             | 4.3                                                  | 111                             | 21682                            | 0.6                                                  | 2.0                                                    | 149.2                          | 7170                        | 74                                                                |
| 1250                 | AMI 560L12W B | 10643         | 493                  | 95.7                 | 96.2               | 0.81                 | 0.77               | 311                             | 4.4                                                  | 125                             | 24196                            | 0.6                                                  | 2.0                                                    | 157.2                          | 7350                        | 74                                                                |
| 1400                 | AMI 560L12W B | 10644         | 493                  | 95.7                 | 96.2               | 0.82                 | 0.78               | 345                             | 4.2                                                  | 130                             | 27108                            | 0.6                                                  | 1.9                                                    | 173.4                          | 7730                        | 74                                                                |
| 1600                 | AMI 560L12W B | 10645         | 493                  | 95.8                 | 96.3               | 0.82                 | 0.79               | 391                             | 4.3                                                  | 145                             | 30971                            | 0.6                                                  | 1.9                                                    | 197.7                          | 8290                        | 74                                                                |
| 1800                 | AMI 560L12W B | 10646         | 494                  | 96.0                 | 96.5               | 0.81                 | 0.77               | 445                             | 4.7                                                  | 181                             | 34794                            | 0.7                                                  | 2.1                                                    | 222.0                          | 8860                        | 74                                                                |
| 2000                 | AMI 560L12W B | 10647         | 495                  | 96.2                 | 96.6               | 0.81                 | 0.78               | 492                             | 4.5                                                  | 192                             | 38614                            | 0.7                                                  | 2.0                                                    | 247.7                          | 9440                        | 74                                                                |
| 2240                 | AMI 630L12W B | 10648         | 495                  | 96.3                 | 96.8               | 0.84                 | 0.81               | 532                             | 5.0                                                  | 182                             | 43247                            | 0.8                                                  | 2.2                                                    | 366.6                          | 11280                       | 74                                                                |
| 2500                 | AMI 630L12W B | 10649         | 496                  | 96.6                 | 96.9               | 0.83                 | 0.79               | 601                             | 5.4                                                  | 229                             | 48171                            | 0.8                                                  | 2.4                                                    | 412.9                          | 12000                       | 74                                                                |
| 2800                 | AMI 630L12W B | 10650         | 495                  | 96.6                 | 96.9               | 0.83                 | 0.80               | 669                             | 5.4                                                  | 250                             | 53993                            | 0.8                                                  | 2.4                                                    | 452.6                          | 12710                       | 74                                                                |
| 3000                 | AMI 630L12W B | 10651         | 496                  | 96.7                 | 97.0               | 0.84                 | 0.81               | 714                             | 5.2                                                  | 251                             | 57762                            | 0.8                                                  | 2.1                                                    | 499.9                          | 13430                       | 74                                                                |



# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|---------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                               |
|                      |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 3000 r/min = 2 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 710                  | AMI 400L2W    | 10652         | 2975                 | 95.6                 | 95.8               | 0.86                 | 0.84               | 83                              | 5.0                                                  | 23                              | 2279                             | 0.5                                                  | 2.2                                                    | 6.1                            | 2840                        | 82                                                            |
| 800                  | AMI 400L2W    | 10653         | 2971                 | 95.4                 | 95.8               | 0.86                 | 0.85               | 93                              | 4.5                                                  | 23                              | 2571                             | 0.5                                                  | 1.9                                                    | 6.1                            | 2840                        | 82                                                            |
| 900                  | AMI 400L2W    | 10654         | 2971                 | 95.6                 | 96.0               | 0.88                 | 0.87               | 103                             | 4.5                                                  | 23                              | 2893                             | 0.5                                                  | 1.9                                                    | 6.6                            | 2950                        | 82                                                            |
| 1000                 | AMI 400L2W    | 10655         | 2972                 | 95.8                 | 96.2               | 0.87                 | 0.86               | 115                             | 4.6                                                  | 27                              | 3213                             | 0.5                                                  | 2.0                                                    | 6.8                            | 3010                        | 82                                                            |
| 1100                 | AMI 400L2W    | 10656         | 2974                 | 96.0                 | 96.3               | 0.88                 | 0.87               | 126                             | 4.9                                                  | 29                              | 3533                             | 0.5                                                  | 2.0                                                    | 7.3                            | 3130                        | 82                                                            |
| 1200                 | AMI 400L2W    | 10657         | 2975                 | 96.2                 | 96.5               | 0.89                 | 0.88               | 136                             | 5.2                                                  | 31                              | 3852                             | 0.6                                                  | 2.1                                                    | 8.0                            | 3300                        | 82                                                            |
| 1350                 | AMI 400L2W    | 10658         | 2976                 | 96.4                 | 96.7               | 0.89                 | 0.88               | 152                             | 5.5                                                  | 35                              | 4331                             | 0.6                                                  | 2.2                                                    | 8.7                            | 3460                        | 82                                                            |
| 1380                 | AMI 400L2W    | 10659         | 2982                 | 96.6                 | 96.9               | 0.89                 | 0.88               | 155                             | 5.6                                                  | 33                              | 4419                             | 0.6                                                  | 2.2                                                    | 11.7                           | 3590                        | 82                                                            |
| 1400                 | AMI 450L2W    | 10660         | 2974                 | 96.1                 | 96.4               | 0.88                 | 0.87               | 159                             | 4.3                                                  | 35                              | 4495                             | 0.4                                                  | 1.8                                                    | 11.6                           | 3960                        | 83                                                            |
| 1600                 | AMI 450L2W    | 10661         | 2973                 | 96.1                 | 96.5               | 0.88                 | 0.87               | 182                             | 4.2                                                  | 40                              | 5139                             | 0.4                                                  | 1.8                                                    | 11.9                           | 4040                        | 83                                                            |
| 1800                 | AMI 450L2W    | 10662         | 2976                 | 96.4                 | 96.7               | 0.88                 | 0.87               | 204                             | 4.7                                                  | 48                              | 5776                             | 0.4                                                  | 2.0                                                    | 13.0                           | 4260                        | 83                                                            |
| 2100                 | AMI 450L2W    | 10663         | 2978                 | 96.7                 | 96.9               | 0.88                 | 0.87               | 237                             | 5.1                                                  | 57                              | 6733                             | 0.5                                                  | 2.2                                                    | 14.6                           | 4580                        | 83                                                            |
| 2150                 | AMI 450L2W    | 10664         | 2986                 | 96.9                 | 97.1               | 0.89                 | 0.88               | 239                             | 5.5                                                  | 57                              | 6876                             | 0.4                                                  | 2.3                                                    | 19.5                           | 4740                        | 83                                                            |
| 2240                 | AMI 500L2W    | 10665         | 2980                 | 96.7                 | 96.9               | 0.90                 | 0.89               | 249                             | 4.8                                                  | 56                              | 7178                             | 0.4                                                  | 2.1                                                    | 21.1                           | 5310                        | 84                                                            |
| 2500                 | AMI 500L2W    | 10666         | 2980                 | 96.8                 | 97.0               | 0.90                 | 0.89               | 278                             | 5.0                                                  | 64                              | 8010                             | 0.5                                                  | 2.1                                                    | 22.4                           | 5510                        | 84                                                            |
| 2800                 | AMI 500L2W    | 10667         | 2981                 | 96.9                 | 97.1               | 0.90                 | 0.89               | 309                             | 5.1                                                  | 69                              | 8970                             | 0.5                                                  | 2.2                                                    | 24.4                           | 5790                        | 84                                                            |
| 3100                 | AMI 500L2W    | 10668         | 2981                 | 97.0                 | 97.3               | 0.91                 | 0.90               | 339                             | 5.3                                                  | 71                              | 9930                             | 0.5                                                  | 2.2                                                    | 27.4                           | 6220                        | 84                                                            |
| 3200                 | AMI 500L2W    | 10669         | 2987                 | 97.2                 | 97.4               | 0.91                 | 0.90               | 349                             | 5.4                                                  | 71                              | 10229                            | 0.4                                                  | 2.2                                                    | 37.0                           | 6450                        | 84                                                            |
| 3300                 | AMI 560L2W B  | 10670         | 2978                 | 96.9                 | 97.1               | 0.90                 | 0.90               | 363                             | 5.1                                                  | 74                              | 10581                            | 0.4                                                  | 2.4                                                    | 39.3                           | 8110                        | 87                                                            |
| 3700                 | AMI 560L2W B  | 10671         | 2979                 | 96.9                 | 97.2               | 0.91                 | 0.91               | 403                             | 4.9                                                  | 71                              | 11861                            | 0.4                                                  | 2.4                                                    | 40.7                           | 8230                        | 87                                                            |
| 4100                 | AMI 560L2W B  | 10672         | 2978                 | 97.1                 | 97.3               | 0.91                 | 0.91               | 446                             | 5.0                                                  | 77                              | 13145                            | 0.4                                                  | 2.4                                                    | 44.4                           | 8740                        | 87                                                            |
| 4500                 | AMI 560L2W B  | 10673         | 2979                 | 97.1                 | 97.3               | 0.92                 | 0.92               | 483                             | 5.0                                                  | 72                              | 14426                            | 0.5                                                  | 2.4                                                    | 48.2                           | 9080                        | 87                                                            |
| 5250                 | AMI 560L2W B  | 10674         | 2980                 | 97.3                 | 97.5               | 0.92                 | 0.92               | 566                             | 5.6                                                  | 100                             | 16822                            | 0.6                                                  | 2.7                                                    | 51.9                           | 9530                        | 87                                                            |
| 5700                 | AMI 560L2W B  | 10675         | 2985                 | 97.4                 | 97.6               | 0.92                 | 0.92               | 611                             | 5.3                                                  | 97                              | 18237                            | 0.4                                                  | 2.5                                                    | 67.9                           | 9810                        | 87                                                            |
| 6100                 | AMI 630L2W B  | 10676         | 2981                 | 97.1                 | 97.2               | 0.91                 | 0.91               | 666                             | 5.5                                                  | 113                             | 19538                            | 0.5                                                  | 2.7                                                    | 87.4                           | 11290                       | 88                                                            |
| 6500                 | AMI 630L2W B  | 10677         | 2982                 | 97.1                 | 97.2               | 0.91                 | 0.91               | 710                             | 5.5                                                  | 120                             | 20812                            | 0.4                                                  | 2.6                                                    | 97.4                           | 11970                       | 88                                                            |
| 7100                 | AMI 630L2W B  | 10678         | 2983                 | 97.2                 | 97.3               | 0.91                 | 0.92               | 769                             | 5.2                                                  | 115                             | 22730                            | 0.4                                                  | 2.5                                                    | 105.9                          | 12770                       | 88                                                            |
| 8000                 | AMI 630L2W B  | 10679         | 2988                 | 97.5                 | 97.6               | 0.92                 | 0.92               | 861                             | 5.9                                                  | 147                             | 25567                            | 0.4                                                  | 2.8                                                    | 134.9                          | 12950                       | 88                                                            |

# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia | Motor<br>weight | Sound<br>pressure<br>level<br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|------------------|-----------------|------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_S$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_S$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                  |                 |                                                |
| 1500 r/min = 4 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                  |                        |                  |                   |                        |                            |                  |                 |                                                |
| 710                  | AMI 400L4W    | 10680         | 1484                 | 94.8                 | 95.3               | 0.88                 | 0.86               | 82               | 4.6                    | 22               | 4570              | 0.6                    | 1.8                        | 14.1             | 2790            | 79                                             |
| 800                  | AMI 400L4W    | 10681         | 1486                 | 95.2                 | 95.5               | 0.86                 | 0.84               | 94               | 5.2                    | 30               | 5142              | 0.7                    | 2.1                        | 15.1             | 2890            | 79                                             |
| 900                  | AMI 400L4W    | 10682         | 1486                 | 95.5                 | 95.9               | 0.86                 | 0.84               | 105              | 5.4                    | 33               | 5785              | 0.7                    | 2.2                        | 16.1             | 3010            | 79                                             |
| 1000                 | AMI 400L4W    | 10683         | 1486                 | 95.7                 | 96.0               | 0.86                 | 0.84               | 116              | 5.5                    | 38               | 6426              | 0.8                    | 2.2                        | 17.1             | 3110            | 79                                             |
| 1120                 | AMI 400L4W    | 10684         | 1486                 | 95.9                 | 96.2               | 0.88                 | 0.86               | 128              | 5.6                    | 36               | 7198              | 0.8                    | 2.2                        | 19.2             | 3310            | 79                                             |
| 1300                 | AMI 400L4W    | 10685         | 1486                 | 96.0                 | 96.3               | 0.87                 | 0.84               | 150              | 5.8                    | 48               | 8352              | 0.8                    | 2.3                        | 20.2             | 3410            | 79                                             |
| 1400                 | AMI 450L4W    | 10686         | 1486                 | 95.8                 | 96.1               | 0.89                 | 0.88               | 158              | 4.8                    | 39               | 8997              | 0.5                    | 2.0                        | 29.4             | 3940            | 80                                             |
| 1600                 | AMI 450L4W    | 10687         | 1487                 | 96.0                 | 96.3               | 0.88                 | 0.86               | 183              | 5.0                    | 49               | 10278             | 0.6                    | 2.0                        | 31.1             | 4080            | 80                                             |
| 1800                 | AMI 450L4W    | 10688         | 1487                 | 96.2                 | 96.5               | 0.88                 | 0.87               | 205              | 5.3                    | 55               | 11557             | 0.6                    | 2.2                        | 34.6             | 4330            | 80                                             |
| 2100                 | AMI 450L4W    | 10689         | 1488                 | 96.4                 | 96.7               | 0.87                 | 0.85               | 240              | 5.7                    | 70               | 13476             | 0.7                    | 2.3                        | 38.1             | 4580            | 80                                             |
| 2150                 | AMI 500L4W    | 10690         | 1489                 | 96.1                 | 96.4               | 0.89                 | 0.88               | 242              | 5.1                    | 56               | 13787             | 0.5                    | 2.0                        | 53.8             | 5220            | 81                                             |
| 2360                 | AMI 500L4W    | 10691         | 1490                 | 96.3                 | 96.6               | 0.89                 | 0.88               | 265              | 5.3                    | 65               | 15130             | 0.6                    | 2.1                        | 56.8             | 5390            | 81                                             |
| 2650                 | AMI 500L4W    | 10692         | 1489                 | 96.4                 | 96.7               | 0.90                 | 0.89               | 294              | 5.2                    | 63               | 16990             | 0.6                    | 2.0                        | 62.9             | 5740            | 81                                             |
| 2950                 | AMI 500L4W    | 10693         | 1491                 | 96.6                 | 96.9               | 0.89                 | 0.88               | 332              | 5.0                    | 79               | 18897             | 0.6                    | 1.9                        | 66.9             | 5920            | 81                                             |
| 3250                 | AMI 500L4W    | 10694         | 1491                 | 96.7                 | 97.0               | 0.89                 | 0.88               | 365              | 5.6                    | 90               | 20816             | 0.7                    | 2.1                        | 72.3             | 6230            | 81                                             |
| 3550                 | AMI 560L4W B  | 10695         | 1490                 | 96.6                 | 96.9               | 0.89                 | 0.88               | 397              | 5.4                    | 87               | 22753             | 0.6                    | 2.3                        | 105.2            | 7830            | 83                                             |
| 4000                 | AMI 560L4W B  | 10696         | 1489                 | 96.7                 | 97.0               | 0.90                 | 0.90               | 441              | 5.2                    | 82               | 25646             | 0.6                    | 2.3                        | 114.5            | 8240            | 83                                             |
| 4500                 | AMI 560L4W B  | 10697         | 1490                 | 96.9                 | 97.2               | 0.88                 | 0.87               | 506              | 5.6                    | 117              | 28833             | 0.6                    | 2.5                        | 123.5            | 8640            | 83                                             |
| 5000                 | AMI 560L4W B  | 10698         | 1491                 | 97.0                 | 97.3               | 0.88                 | 0.87               | 564              | 5.5                    | 131              | 32034             | 0.6                    | 2.5                        | 132.4            | 9040            | 83                                             |
| 5500                 | AMI 560L4W B  | 10699         | 1491                 | 97.1                 | 97.3               | 0.87                 | 0.86               | 627              | 5.7                    | 157              | 35227             | 0.7                    | 2.6                        | 141.3            | 9440            | 83                                             |
| 6300                 | AMI 630L4W B  | 10700         | 1491                 | 97.1                 | 97.4               | 0.89                 | 0.89               | 703              | 4.9                    | 128              | 40350             | 0.5                    | 2.1                        | 207.7            | 11710           | 84                                             |
| 7100                 | AMI 630L4W B  | 10701         | 1490                 | 97.2                 | 97.5               | 0.89                 | 0.89               | 792              | 4.7                    | 136              | 45499             | 0.5                    | 2.0                        | 228.1            | 12490           | 84                                             |
| 7800                 | AMI 630L4W B  | 10702         | 1492                 | 97.3                 | 97.6               | 0.89                 | 0.89               | 863              | 5.1                    | 155              | 49937             | 0.6                    | 2.2                        | 252.4            | 13220           | 84                                             |



# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br>(kW)       | Motor type   | Product ID | Speed<br>(r/min) | Efficiency        |                 | Power factor      |                 | Current               |                                          |                       | Torque                 |                                          |                                            | Rotor inertia<br>(kgm²) | Motor weight<br>(kg) | Sound pressure level<br>L <sub>p</sub><br>(dB(A)) |
|----------------------|--------------|------------|------------------|-------------------|-----------------|-------------------|-----------------|-----------------------|------------------------------------------|-----------------------|------------------------|------------------------------------------|--------------------------------------------|-------------------------|----------------------|---------------------------------------------------|
|                      |              |            |                  | Full load<br>100% | 3/4 load<br>75% | Full load<br>100% | 3/4 load<br>75% | I <sub>N</sub><br>(A) | I <sub>s</sub><br>I <sub>N</sub><br>(pu) | I <sub>0</sub><br>(A) | T <sub>N</sub><br>(Nm) | T <sub>s</sub><br>T <sub>N</sub><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br>(pu) |                         |                      |                                                   |
| 1000 r/min = 6 poles |              |            |                  | 6000 V 50 Hz      |                 |                   |                 |                       |                                          |                       |                        |                                          |                                            |                         |                      |                                                   |
| 500                  | AMI 400L6W   | 10703      | 989              | 94.8              | 95.0            | 0.83              | 0.79            | 61                    | 5.4                                      | 24                    | 4827                   | 0.9                                      | 2.2                                        | 16.7                    | 2820                 | 77                                                |
| 560                  | AMI 400L6W   | 10704      | 989              | 94.8              | 95.0            | 0.80              | 0.75            | 71                    | 5.5                                      | 33                    | 5405                   | 0.9                                      | 2.3                                        | 16.7                    | 2820                 | 77                                                |
| 630                  | AMI 400L6W   | 10705      | 989              | 95.0              | 95.2            | 0.81              | 0.76            | 79                    | 5.4                                      | 34                    | 6082                   | 0.9                                      | 2.2                                        | 18.0                    | 2920                 | 77                                                |
| 710                  | AMI 400L6W   | 10706      | 989              | 95.1              | 95.3            | 0.81              | 0.77            | 88                    | 5.4                                      | 37                    | 6855                   | 0.9                                      | 2.2                                        | 19.2                    | 3010                 | 77                                                |
| 800                  | AMI 400L6W   | 10707      | 989              | 95.2              | 95.4            | 0.81              | 0.76            | 100                   | 5.4                                      | 43                    | 7723                   | 0.9                                      | 2.2                                        | 20.4                    | 3110                 | 77                                                |
| 900                  | AMI 400L6W   | 10708      | 989              | 95.3              | 95.6            | 0.83              | 0.79            | 110                   | 5.4                                      | 43                    | 8689                   | 0.9                                      | 2.2                                        | 22.8                    | 3290                 | 77                                                |
| 950                  | AMI 450L6W   | 10709      | 989              | 95.4              | 95.9            | 0.85              | 0.83            | 113                   | 4.8                                      | 35                    | 9169                   | 0.6                                      | 1.9                                        | 33.3                    | 3720                 | 78                                                |
| 1060                 | AMI 450L6W   | 10710      | 990              | 95.6              | 96.0            | 0.85              | 0.82            | 126                   | 4.9                                      | 40                    | 10228                  | 0.7                                      | 1.9                                        | 35.6                    | 3840                 | 78                                                |
| 1180                 | AMI 450L6W   | 10711      | 990              | 95.8              | 96.1            | 0.84              | 0.81            | 141                   | 5.1                                      | 48                    | 11380                  | 0.7                                      | 2.1                                        | 37.8                    | 3970                 | 78                                                |
| 1320                 | AMI 450L6W   | 10712      | 990              | 95.9              | 96.3            | 0.85              | 0.82            | 156                   | 5.3                                      | 50                    | 12728                  | 0.7                                      | 2.1                                        | 42.3                    | 4220                 | 78                                                |
| 1500                 | AMI 450L6W   | 10713      | 991              | 96.1              | 96.4            | 0.85              | 0.82            | 178                   | 5.5                                      | 59                    | 14457                  | 0.8                                      | 2.2                                        | 46.8                    | 4460                 | 78                                                |
| 1600                 | AMI 500L6W   | 10714      | 992              | 96.1              | 96.5            | 0.88              | 0.86            | 183                   | 5.6                                      | 54                    | 15395                  | 0.7                                      | 2.1                                        | 66.2                    | 5220                 | 79                                                |
| 1800                 | AMI 500L6W   | 10715      | 992              | 96.1              | 96.4            | 0.86              | 0.84            | 209                   | 5.8                                      | 66                    | 17324                  | 0.9                                      | 2.2                                        | 69.3                    | 5340                 | 79                                                |
| 2000                 | AMI 500L6W   | 10716      | 992              | 96.2              | 96.5            | 0.86              | 0.84            | 231                   | 5.5                                      | 72                    | 19244                  | 0.7                                      | 2.1                                        | 73.6                    | 5500                 | 79                                                |
| 2240                 | AMI 500L6W   | 10717      | 992              | 96.4              | 96.7            | 0.88              | 0.87            | 255                   | 5.1                                      | 68                    | 21560                  | 0.7                                      | 1.9                                        | 84.4                    | 5970                 | 79                                                |
| 2450                 | AMI 500L6W   | 10718      | 993              | 96.5              | 96.8            | 0.86              | 0.83            | 285                   | 5.5                                      | 92                    | 23562                  | 0.7                                      | 2.1                                        | 88.0                    | 6120                 | 79                                                |
| 2500                 | AMI 560L6W B | 10719      | 991              | 96.3              | 96.7            | 0.87              | 0.86            | 288                   | 5.1                                      | 75                    | 24078                  | 0.7                                      | 2.1                                        | 120.7                   | 7200                 | 80                                                |
| 2800                 | AMI 560L6W B | 10720      | 992              | 96.5              | 96.8            | 0.86              | 0.85            | 324                   | 5.5                                      | 92                    | 26947                  | 0.8                                      | 2.4                                        | 132.9                   | 7560                 | 80                                                |
| 3300                 | AMI 560L6W B | 10721      | 993              | 96.7              | 97.0            | 0.87              | 0.85            | 379                   | 5.7                                      | 104                   | 31750                  | 0.8                                      | 2.4                                        | 151.3                   | 8130                 | 80                                                |
| 3550                 | AMI 560L6W B | 10722      | 993              | 96.8              | 97.1            | 0.86              | 0.85            | 409                   | 5.8                                      | 114                   | 34145                  | 0.8                                      | 2.5                                        | 163.1                   | 8510                 | 80                                                |
| 4000                 | AMI 560L6W B | 10723      | 993              | 96.8              | 97.1            | 0.87              | 0.86            | 455                   | 5.7                                      | 122                   | 38473                  | 0.8                                      | 2.4                                        | 187.5                   | 9250                 | 80                                                |
| 4300                 | AMI 560L6W B | 10724      | 993              | 96.9              | 97.2            | 0.86              | 0.84            | 497                   | 5.8                                      | 147                   | 41346                  | 0.8                                      | 2.5                                        | 193.2                   | 9460                 | 80                                                |
| 4500                 | AMI 630L6W B | 10725      | 992              | 96.8              | 97.2            | 0.88              | 0.88            | 508                   | 4.8                                      | 105                   | 43325                  | 0.6                                      | 2.1                                        | 248.3                   | 11140                | 81                                                |
| 5000                 | AMI 630L6W B | 10726      | 993              | 97.0              | 97.3            | 0.88              | 0.88            | 566                   | 5.0                                      | 125                   | 48089                  | 0.6                                      | 2.1                                        | 268.1                   | 11620                | 81                                                |
| 5600                 | AMI 630L6W B | 10727      | 994              | 97.2              | 97.4            | 0.87              | 0.86            | 634                   | 5.5                                      | 158                   | 53811                  | 0.7                                      | 2.3                                        | 305.5                   | 12570                | 81                                                |
| 6500                 | AMI 630L6W B | 10728      | 994              | 97.3              | 97.5            | 0.87              | 0.85            | 742                   | 5.5                                      | 203                   | 62427                  | 0.7                                      | 2.4                                        | 336.0                   | 13260                | 81                                                |

# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)  | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                   |                                              |                           | Torque                     |                                              |                                                | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>L <sub>p</sub><br><br>(dB(A)) |
|---------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------|----------------------------------------------|---------------------------|----------------------------|----------------------------------------------|------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------|
|                     |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | I <sub>N</sub><br><br>(A) | I <sub>S</sub><br>I <sub>N</sub><br><br>(pu) | I <sub>0</sub><br><br>(A) | T <sub>N</sub><br><br>(Nm) | T <sub>S</sub><br>T <sub>N</sub><br><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br><br>(pu) |                                |                             |                                                             |
| 750 r/min = 8 poles |               |               |                      |                      |                    |                      |                    |                           |                                              |                           |                            |                                              |                                                |                                |                             |                                                             |

# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_s$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_s$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                |
| 600 r/min = 10 poles |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                |
| 6000 V 50 Hz         |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                |
| 250                  | AMI 400L10W   | 10753         | 591                  | 93.0                 | 93.2               | 0.71                 | 0.65               | 36               | 3.6                    | 20               | 4041              | 0.6                    | 1.7                        | 14.6                           | 2850                        | 75                                             |
| 280                  | AMI 400L10W   | 10754         | 591                  | 93.2                 | 93.4               | 0.74                 | 0.68               | 39               | 4.0                    | 20               | 4521              | 0.7                    | 1.8                        | 18.0                           | 2890                        | 75                                             |
| 315                  | AMI 400L10W   | 10755         | 591                  | 93.3                 | 93.6               | 0.76                 | 0.71               | 43               | 3.8                    | 20               | 5092              | 0.6                    | 1.7                        | 19.2                           | 2980                        | 75                                             |
| 355                  | AMI 400L10W   | 10756         | 593                  | 93.6                 | 93.8               | 0.75                 | 0.70               | 48               | 4.3                    | 23               | 5721              | 0.7                    | 1.8                        | 23.5                           | 3080                        | 75                                             |
| 400                  | AMI 400L10W   | 10757         | 592                  | 93.6                 | 94.0               | 0.76                 | 0.72               | 54               | 4.1                    | 25               | 6451              | 0.7                    | 1.7                        | 24.9                           | 3170                        | 75                                             |
| 450                  | AMI 450L10W   | 10758         | 591                  | 94.0                 | 94.6               | 0.83                 | 0.80               | 56               | 4.2                    | 20               | 7269              | 0.7                    | 1.7                        | 37.8                           | 3650                        | 76                                             |
| 500                  | AMI 450L10W   | 10759         | 591                  | 94.2                 | 94.8               | 0.83                 | 0.80               | 62               | 4.2                    | 22               | 8075              | 0.7                    | 1.7                        | 40.5                           | 3770                        | 76                                             |
| 560                  | AMI 450L10W   | 10760         | 591                  | 94.2                 | 94.8               | 0.82                 | 0.79               | 70               | 4.3                    | 25               | 9051              | 0.8                    | 1.7                        | 43.0                           | 3890                        | 76                                             |
| 650                  | AMI 450L10W   | 10761         | 592                  | 94.5                 | 95.0               | 0.82                 | 0.78               | 81               | 4.5                    | 32               | 10487             | 0.8                    | 1.8                        | 45.9                           | 4010                        | 76                                             |
| 740                  | AMI 450L10W   | 10762         | 592                  | 94.7                 | 95.2               | 0.82                 | 0.78               | 92               | 4.6                    | 37               | 11935             | 0.8                    | 1.8                        | 51.3                           | 4250                        | 76                                             |
| 800                  | AMI 500L10W   | 10763         | 593                  | 95.1                 | 95.6               | 0.84                 | 0.81               | 97               | 4.5                    | 35               | 12892             | 0.6                    | 1.8                        | 71.9                           | 5020                        | 77                                             |
| 900                  | AMI 500L10W   | 10764         | 594                  | 95.4                 | 95.8               | 0.82                 | 0.79               | 110              | 4.9                    | 43               | 14477             | 0.7                    | 2.0                        | 76.8                           | 5180                        | 77                                             |
| 1000                 | AMI 500L10W   | 10765         | 593                  | 95.2                 | 95.7               | 0.84                 | 0.81               | 120              | 4.6                    | 43               | 16110             | 0.7                    | 1.9                        | 85.3                           | 5430                        | 77                                             |
| 1120                 | AMI 500L10W   | 10766         | 593                  | 95.5                 | 95.9               | 0.84                 | 0.81               | 135              | 4.6                    | 46               | 18031             | 0.7                    | 1.8                        | 90.3                           | 5620                        | 77                                             |
| 1250                 | AMI 500L10W   | 10767         | 594                  | 95.7                 | 96.0               | 0.83                 | 0.79               | 151              | 5.2                    | 58               | 20095             | 0.8                    | 2.0                        | 103.8                          | 6040                        | 77                                             |
| 1400                 | AMI 560L10W B | 10768         | 592                  | 95.5                 | 96.0               | 0.85                 | 0.83               | 165              | 4.7                    | 52               | 22583             | 0.7                    | 2.1                        | 148.8                          | 7100                        | 75                                             |
| 1600                 | AMI 560L10W B | 10769         | 593                  | 95.8                 | 96.2               | 0.85                 | 0.83               | 188              | 5.1                    | 61               | 25780             | 0.8                    | 2.3                        | 172.8                          | 7660                        | 75                                             |
| 1800                 | AMI 560L10W B | 10770         | 593                  | 95.8                 | 96.3               | 0.86                 | 0.83               | 211              | 5.1                    | 67               | 29001             | 0.8                    | 2.2                        | 188.8                          | 8040                        | 75                                             |
| 2000                 | AMI 560L10W B | 10771         | 593                  | 96.0                 | 96.4               | 0.86                 | 0.84               | 233              | 5.0                    | 69               | 32197             | 0.8                    | 2.1                        | 213.3                          | 8610                        | 75                                             |
| 2240                 | AMI 560L10W B | 10772         | 594                  | 96.2                 | 96.5               | 0.85                 | 0.83               | 263              | 5.4                    | 87               | 36026             | 0.9                    | 2.3                        | 229.4                          | 8990                        | 75                                             |
| 2400                 | AMI 560L10W B | 10773         | 595                  | 96.4                 | 96.6               | 0.84                 | 0.81               | 286              | 5.6                    | 104              | 38491             | 0.9                    | 2.3                        | 248.3                          | 9320                        | 75                                             |
| 2500                 | AMI 630L10W B | 10774         | 594                  | 96.3                 | 96.7               | 0.86                 | 0.84               | 291              | 5.0                    | 83               | 40177             | 0.8                    | 2.0                        | 338.3                          | 10770                       | 75                                             |
| 2800                 | AMI 630L10W B | 10775         | 594                  | 96.4                 | 96.8               | 0.86                 | 0.85               | 325              | 5.2                    | 92               | 44981             | 0.8                    | 2.0                        | 381.2                          | 11490                       | 75                                             |
| 3150                 | AMI 630L10W B | 10776         | 596                  | 96.7                 | 97.0               | 0.85                 | 0.83               | 369              | 5.5                    | 118              | 50479             | 0.8                    | 2.1                        | 428.1                          | 12170                       | 75                                             |
| 3350                 | AMI 630L10W B | 10777         | 597                  | 96.8                 | 97.0               | 0.85                 | 0.83               | 393              | 5.5                    | 127              | 53628             | 0.8                    | 2.2                        | 464.5                          | 12670                       | 75                                             |
| 3700                 | AMI 630L10W B | 10778         | 597                  | 96.9                 | 97.1               | 0.85                 | 0.82               | 435              | 5.7                    | 145              | 59216             | 0.8                    | 2.2                        | 508.6                          | 13420                       | 75                                             |

# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 500 r/min = 12 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 180                  | AMI 400L12W   | 10779         | 494                  | 91.5                 | 91.0               | 0.65                 | 0.57               | 29                              | 3.9                                                  | 19                              | 3483                             | 0.8                                                  | 2.0                                                    | 16.7                           | 2790                        | 75                                                                |
| 200                  | AMI 400L12W   | 10780         | 492                  | 91.7                 | 91.5               | 0.68                 | 0.62               | 31                              | 3.7                                                  | 18                              | 3879                             | 0.7                                                  | 1.7                                                    | 17.9                           | 2880                        | 75                                                                |
| 224                  | AMI 400L12W   | 10781         | 492                  | 91.8                 | 91.8               | 0.70                 | 0.64               | 33                              | 3.5                                                  | 18                              | 4350                             | 0.7                                                  | 1.6                                                    | 19.1                           | 2980                        | 75                                                                |
| 250                  | AMI 400L12W   | 10782         | 492                  | 92.0                 | 92.1               | 0.73                 | 0.67               | 36                              | 3.8                                                  | 19                              | 4850                             | 0.7                                                  | 1.7                                                    | 23.3                           | 3060                        | 75                                                                |
| 280                  | AMI 400L12W   | 10783         | 492                  | 92.1                 | 92.3               | 0.73                 | 0.68               | 40                              | 3.6                                                  | 20                              | 5436                             | 0.7                                                  | 1.6                                                    | 24.7                           | 3150                        | 75                                                                |
| 315                  | AMI 450L12W   | 10784         | 493                  | 93.4                 | 93.7               | 0.75                 | 0.69               | 43                              | 4.1                                                  | 22                              | 6101                             | 0.7                                                  | 1.8                                                    | 35.0                           | 3530                        | 76                                                                |
| 355                  | AMI 450L12W   | 10785         | 493                  | 93.4                 | 93.8               | 0.76                 | 0.71               | 48                              | 4.0                                                  | 23                              | 6879                             | 0.7                                                  | 1.7                                                    | 37.7                           | 3640                        | 76                                                                |
| 400                  | AMI 450L12W   | 10786         | 494                  | 93.7                 | 94.1               | 0.75                 | 0.69               | 55                              | 4.0                                                  | 27                              | 7737                             | 0.7                                                  | 1.8                                                    | 40.8                           | 3770                        | 76                                                                |
| 450                  | AMI 450L12W   | 10787         | 493                  | 93.9                 | 94.4               | 0.77                 | 0.73               | 60                              | 3.9                                                  | 27                              | 8711                             | 0.6                                                  | 1.7                                                    | 46.3                           | 4010                        | 76                                                                |
| 500                  | AMI 450L12W   | 10788         | 493                  | 93.7                 | 94.1               | 0.77                 | 0.72               | 67                              | 4.1                                                  | 31                              | 9683                             | 0.7                                                  | 1.7                                                    | 51.1                           | 4200                        | 76                                                                |
| 560                  | AMI 500L12W   | 10789         | 492                  | 94.3                 | 94.8               | 0.79                 | 0.76               | 72                              | 3.9                                                  | 29                              | 10859                            | 0.6                                                  | 1.7                                                    | 66.8                           | 4850                        | 77                                                                |
| 630                  | AMI 500L12W   | 10790         | 493                  | 94.5                 | 94.9               | 0.79                 | 0.75               | 81                              | 4.0                                                  | 34                              | 12210                            | 0.6                                                  | 1.7                                                    | 71.2                           | 5000                        | 77                                                                |
| 710                  | AMI 500L12W   | 10791         | 493                  | 94.6                 | 95.1               | 0.80                 | 0.76               | 91                              | 4.0                                                  | 37                              | 13761                            | 0.6                                                  | 1.7                                                    | 80.1                           | 5300                        | 77                                                                |
| 800                  | AMI 500L12W   | 10792         | 493                  | 94.8                 | 95.2               | 0.79                 | 0.75               | 102                             | 4.2                                                  | 43                              | 15495                            | 0.6                                                  | 1.7                                                    | 89.1                           | 5600                        | 77                                                                |
| 930                  | AMI 500L12W   | 10793         | 493                  | 95.0                 | 95.3               | 0.79                 | 0.76               | 118                             | 4.2                                                  | 49                              | 18007                            | 0.7                                                  | 1.7                                                    | 102.5                          | 6040                        | 77                                                                |
| 1000                 | AMI 560L12W B | 10794         | 493                  | 95.1                 | 95.7               | 0.82                 | 0.79               | 123                             | 4.3                                                  | 47                              | 19358                            | 0.6                                                  | 2.0                                                    | 149.2                          | 7040                        | 74                                                                |
| 1120                 | AMI 560L12W B | 10795         | 494                  | 95.3                 | 95.8               | 0.81                 | 0.77               | 139                             | 4.5                                                  | 57                              | 21664                            | 0.6                                                  | 2.1                                                    | 157.2                          | 7230                        | 74                                                                |
| 1250                 | AMI 560L12W B | 10796         | 493                  | 95.4                 | 95.9               | 0.82                 | 0.78               | 154                             | 4.5                                                  | 60                              | 24204                            | 0.7                                                  | 2.0                                                    | 172.0                          | 7620                        | 74                                                                |
| 1400                 | AMI 560L12W B | 10797         | 493                  | 95.6                 | 96.0               | 0.82                 | 0.78               | 172                             | 4.7                                                  | 67                              | 27091                            | 0.7                                                  | 2.1                                                    | 196.4                          | 8160                        | 74                                                                |
| 1600                 | AMI 560L12W B | 10798         | 494                  | 95.7                 | 96.1               | 0.82                 | 0.78               | 196                             | 4.8                                                  | 78                              | 30945                            | 0.8                                                  | 2.2                                                    | 220.6                          | 8700                        | 74                                                                |
| 1800                 | AMI 560L12W B | 10799         | 495                  | 96.0                 | 96.4               | 0.82                 | 0.78               | 221                             | 4.8                                                  | 86                              | 34756                            | 0.8                                                  | 2.0                                                    | 246.3                          | 9300                        | 74                                                                |
| 2000                 | AMI 630L12W B | 10800         | 495                  | 96.2                 | 96.6               | 0.83                 | 0.80               | 241                             | 4.8                                                  | 85                              | 38551                            | 0.7                                                  | 2.0                                                    | 326.1                          | 10470                       | 74                                                                |
| 2240                 | AMI 630L12W B | 10801         | 495                  | 96.3                 | 96.7               | 0.84                 | 0.82               | 266                             | 4.7                                                  | 85                              | 43180                            | 0.7                                                  | 1.9                                                    | 384.0                          | 11410                       | 74                                                                |
| 2500                 | AMI 630L12W B | 10802         | 496                  | 96.4                 | 96.8               | 0.84                 | 0.82               | 296                             | 4.9                                                  | 97                              | 48162                            | 0.7                                                  | 2.0                                                    | 441.9                          | 12340                       | 74                                                                |
| 2800                 | AMI 630L12W B | 10803         | 496                  | 96.5                 | 96.8               | 0.84                 | 0.81               | 334                             | 5.4                                                  | 118                             | 53935                            | 0.9                                                  | 2.1                                                    | 496.5                          | 13250                       | 74                                                                |

# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
10000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 3000 r/min = 2 poles |               |               |                      | 10000 V 50 Hz        |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 630                  | AMI 450L2W    | 10804         | 2974                 | 94.4                 | 94.5               | 0.87                 | 0.85               | 44                              | 5.1                                                  | 13                              | 2023                             | 0.5                                                  | 2.2                                                    | 10.3                           | 3520                        | 83                                                                |
| 710                  | AMI 450L2W    | 10805         | 2976                 | 94.6                 | 94.7               | 0.86                 | 0.83               | 50                              | 5.0                                                  | 16                              | 2279                             | 0.5                                                  | 2.2                                                    | 10.2                           | 3520                        | 83                                                                |
| 800                  | AMI 450L2W    | 10806         | 2977                 | 95.0                 | 95.1               | 0.86                 | 0.83               | 56                              | 5.4                                                  | 18                              | 2566                             | 0.5                                                  | 2.3                                                    | 11.0                           | 3670                        | 83                                                                |
| 900                  | AMI 450L2W    | 10807         | 2976                 | 95.2                 | 95.3               | 0.87                 | 0.84               | 63                              | 5.3                                                  | 19                              | 2888                             | 0.6                                                  | 2.3                                                    | 11.5                           | 3760                        | 83                                                                |
| 1000                 | AMI 450L2W    | 10808         | 2978                 | 95.4                 | 95.6               | 0.88                 | 0.85               | 69                              | 5.3                                                  | 20                              | 3207                             | 0.5                                                  | 2.3                                                    | 12.1                           | 3890                        | 83                                                                |
| 1120                 | AMI 450L2W    | 10809         | 2978                 | 95.5                 | 95.7               | 0.88                 | 0.86               | 77                              | 5.3                                                  | 22                              | 3592                             | 0.5                                                  | 2.3                                                    | 12.6                           | 3990                        | 83                                                                |
| 1250                 | AMI 450L2W    | 10810         | 2979                 | 96.0                 | 96.2               | 0.88                 | 0.86               | 85                              | 5.5                                                  | 23                              | 4007                             | 0.6                                                  | 2.4                                                    | 12.5                           | 4050                        | 83                                                                |
| 1500                 | AMI 450L2W    | 10811         | 2981                 | 96.3                 | 96.4               | 0.88                 | 0.85               | 103                             | 5.8                                                  | 30                              | 4805                             | 0.6                                                  | 2.5                                                    | 13.4                           | 4270                        | 83                                                                |
| 1530                 | AMI 450L2W    | 10812         | 2988                 | 96.6                 | 96.6               | 0.88                 | 0.86               | 104                             | 5.8                                                  | 29                              | 4889                             | 0.4                                                  | 2.4                                                    | 18.1                           | 4420                        | 83                                                                |
| 1600                 | AMI 500L2W    | 10813         | 2979                 | 96.0                 | 96.2               | 0.88                 | 0.87               | 109                             | 4.8                                                  | 28                              | 5129                             | 0.4                                                  | 2.1                                                    | 17.4                           | 4690                        | 84                                                                |
| 1800                 | AMI 500L2W    | 10814         | 2981                 | 96.3                 | 96.5               | 0.89                 | 0.87               | 122                             | 4.9                                                  | 31                              | 5766                             | 0.4                                                  | 2.1                                                    | 18.5                           | 4870                        | 84                                                                |
| 2000                 | AMI 500L2W    | 10815         | 2982                 | 96.5                 | 96.6               | 0.89                 | 0.87               | 135                             | 5.1                                                  | 35                              | 6405                             | 0.5                                                  | 2.2                                                    | 19.8                           | 5060                        | 84                                                                |
| 2240                 | AMI 500L2W    | 10816         | 2982                 | 96.6                 | 96.8               | 0.89                 | 0.88               | 150                             | 5.3                                                  | 38                              | 7172                             | 0.5                                                  | 2.3                                                    | 21.7                           | 5340                        | 84                                                                |
| 2500                 | AMI 500L2W    | 10817         | 2983                 | 96.8                 | 97.0               | 0.90                 | 0.88               | 166                             | 5.7                                                  | 43                              | 8002                             | 0.5                                                  | 2.4                                                    | 24.0                           | 5660                        | 84                                                                |
| 2550                 | AMI 500L2W    | 10818         | 2988                 | 97.0                 | 97.1               | 0.90                 | 0.88               | 169                             | 5.7                                                  | 42                              | 8149                             | 0.4                                                  | 2.3                                                    | 32.6                           | 5860                        | 84                                                                |
| 2800                 | AMI 560L2W B  | 10819         | 2975                 | 96.4                 | 96.7               | 0.90                 | 0.90               | 186                             | 4.6                                                  | 36                              | 8987                             | 0.4                                                  | 2.3                                                    | 36.1                           | 7490                        | 87                                                                |
| 3250                 | AMI 560L2W B  | 10820         | 2978                 | 96.7                 | 96.9               | 0.90                 | 0.90               | 215                             | 4.9                                                  | 43                              | 10421                            | 0.4                                                  | 2.4                                                    | 39.3                           | 7900                        | 87                                                                |
| 3700                 | AMI 560L2W B  | 10821         | 2980                 | 96.9                 | 97.1               | 0.91                 | 0.90               | 243                             | 5.3                                                  | 48                              | 11856                            | 0.4                                                  | 2.5                                                    | 42.6                           | 8340                        | 87                                                                |
| 4100                 | AMI 560L2W B  | 10822         | 2980                 | 97.0                 | 97.2               | 0.91                 | 0.91               | 267                             | 5.5                                                  | 50                              | 13137                            | 0.5                                                  | 2.6                                                    | 46.3                           | 8760                        | 87                                                                |
| 4600                 | AMI 560L2W B  | 10823         | 2982                 | 97.2                 | 97.4               | 0.92                 | 0.91               | 299                             | 5.6                                                  | 58                              | 14731                            | 0.5                                                  | 2.7                                                    | 49.5                           | 9170                        | 87                                                                |
| 5000                 | AMI 560L2W B  | 10824         | 2987                 | 97.4                 | 97.6               | 0.91                 | 0.91               | 325                             | 5.2                                                  | 58                              | 15984                            | 0.4                                                  | 2.4                                                    | 66.5                           | 9480                        | 87                                                                |
| 5200                 | AMI 630L2W B  | 10825         | 2985                 | 96.9                 | 96.9               | 0.91                 | 0.90               | 342                             | 5.6                                                  | 63                              | 16637                            | 0.5                                                  | 2.7                                                    | 85.9                           | 10890                       | 88                                                                |
| 5800                 | AMI 630L2W B  | 10826         | 2985                 | 97.0                 | 97.1               | 0.91                 | 0.91               | 379                             | 5.7                                                  | 66                              | 18558                            | 0.5                                                  | 2.7                                                    | 92.4                           | 11440                       | 88                                                                |
| 6500                 | AMI 630L2W B  | 10827         | 2984                 | 97.1                 | 97.2               | 0.91                 | 0.90               | 427                             | 5.9                                                  | 79                              | 20802                            | 0.5                                                  | 2.8                                                    | 103.4                          | 12220                       | 88                                                                |
| 7100                 | AMI 630L2W B  | 10828         | 2989                 | 97.3                 | 97.4               | 0.92                 | 0.92               | 459                             | 5.8                                                  | 76                              | 22687                            | 0.4                                                  | 2.7                                                    | 134.8                          | 12630                       | 88                                                                |

# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
10000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                     |                                                |                             | Torque                       |                                                |                                                  | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|-----------------------------|------------------------------------------------|-----------------------------|------------------------------|------------------------------------------------|--------------------------------------------------|--------------------------------|-----------------------------|---------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br>(A) | <i>I<sub>s</sub><br/>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br>(A) | <i>T<sub>N</sub></i><br>(Nm) | <i>T<sub>s</sub><br/>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub><br/>T<sub>N</sub></i><br>(pu) |                                |                             |                                                               |
| 1500 r/min = 4 poles |               |               |                      | 10000 V 50 Hz        |                    |                      |                    |                             |                                                |                             |                              |                                                |                                                  |                                |                             |                                                               |
| 900                  | AMI 450L4W    | 10829         | 1487                 | 95.4                 | 95.4               | 0.84                 | 0.80               | 65                          | 6.0                                            | 25                          | 5778                         | 0.7                                            | 2.6                                              | 22.3                           | 3740                        | 80                                                            |
| 1000                 | AMI 450L4W    | 10830         | 1486                 | 95.3                 | 95.5               | 0.85                 | 0.82               | 71                          | 5.4                                            | 25                          | 6427                         | 0.7                                            | 2.3                                              | 22.3                           | 3740                        | 80                                                            |
| 1120                 | AMI 450L4W    | 10831         | 1485                 | 95.3                 | 95.6               | 0.86                 | 0.83               | 79                          | 4.9                                            | 26                          | 7201                         | 0.5                                            | 2.1                                              | 22.5                           | 3740                        | 80                                                            |
| 1250                 | AMI 450L4W    | 10832         | 1485                 | 95.4                 | 95.8               | 0.87                 | 0.85               | 87                          | 4.8                                            | 26                          | 8040                         | 0.5                                            | 2.0                                              | 23.8                           | 3870                        | 80                                                            |
| 1400                 | AMI 450L4W    | 10833         | 1484                 | 95.5                 | 95.9               | 0.87                 | 0.86               | 97                          | 4.7                                            | 27                          | 9008                         | 0.5                                            | 2.0                                              | 25.2                           | 3990                        | 80                                                            |
| 1600                 | AMI 450L4W    | 10834         | 1485                 | 95.8                 | 96.1               | 0.87                 | 0.85               | 110                         | 5.1                                            | 33                          | 10286                        | 0.6                                            | 2.1                                              | 27.9                           | 4250                        | 80                                                            |
| 1800                 | AMI 500L4W    | 10835         | 1488                 | 95.7                 | 96.0               | 0.90                 | 0.89               | 120                         | 5.3                                            | 28                          | 11553                        | 0.6                                            | 2.1                                              | 55.5                           | 5300                        | 81                                                            |
| 2100                 | AMI 500L4W    | 10836         | 1490                 | 96.0                 | 96.2               | 0.89                 | 0.88               | 142                         | 5.4                                            | 35                          | 13461                        | 0.6                                            | 2.1                                              | 59.3                           | 5470                        | 81                                                            |
| 2400                 | AMI 500L4W    | 10837         | 1492                 | 96.3                 | 96.5               | 0.89                 | 0.88               | 162                         | 5.6                                            | 41                          | 15365                        | 0.6                                            | 2.1                                              | 66.4                           | 5800                        | 81                                                            |
| 2800                 | AMI 560L4W B  | 10838         | 1490                 | 96.4                 | 96.6               | 0.89                 | 0.88               | 189                         | 5.3                                            | 42                          | 17947                        | 0.6                                            | 2.3                                              | 99.9                           | 7600                        | 83                                                            |
| 3150                 | AMI 560L4W B  | 10839         | 1491                 | 96.6                 | 96.8               | 0.89                 | 0.88               | 212                         | 5.6                                            | 50                          | 20181                        | 0.6                                            | 2.5                                              | 109.1                          | 8000                        | 83                                                            |
| 3550                 | AMI 560L4W B  | 10840         | 1491                 | 96.7                 | 96.9               | 0.88                 | 0.87               | 241                         | 5.8                                            | 60                          | 22737                        | 0.6                                            | 2.5                                              | 117.8                          | 8340                        | 83                                                            |
| 4000                 | AMI 560L4W B  | 10841         | 1491                 | 96.8                 | 97.0               | 0.88                 | 0.87               | 270                         | 5.7                                            | 63                          | 25621                        | 0.6                                            | 2.5                                              | 127.1                          | 8740                        | 83                                                            |
| 4500                 | AMI 560L4W B  | 10842         | 1492                 | 97.0                 | 97.2               | 0.86                 | 0.84               | 311                         | 5.7                                            | 85                          | 28794                        | 0.6                                            | 2.5                                              | 137.9                          | 9140                        | 83                                                            |
| 5000                 | AMI 630L4W B  | 10843         | 1491                 | 96.8                 | 97.0               | 0.89                 | 0.88               | 337                         | 5.3                                            | 72                          | 32029                        | 0.6                                            | 2.3                                              | 189.9                          | 10990                       | 84                                                            |
| 5500                 | AMI 630L4W B  | 10844         | 1491                 | 97.0                 | 97.2               | 0.89                 | 0.88               | 369                         | 5.4                                            | 78                          | 35225                        | 0.6                                            | 2.4                                              | 204.6                          | 11500                       | 84                                                            |
| 6000                 | AMI 630L4W B  | 10845         | 1491                 | 97.1                 | 97.3               | 0.89                 | 0.89               | 400                         | 5.5                                            | 81                          | 38426                        | 0.6                                            | 2.4                                              | 219.4                          | 12020                       | 84                                                            |
| 6700                 | AMI 630L4W B  | 10846         | 1491                 | 97.2                 | 97.4               | 0.90                 | 0.89               | 444                         | 5.7                                            | 90                          | 42898                        | 0.7                                            | 2.5                                              | 241.5                          | 12770                       | 84                                                            |

# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
10000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|---------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                               |
| 1000 r/min = 6 poles |               |               |                      | 10000 V 50 Hz        |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 630                  | AMI 450L6W    | 10847         | 989                  | 95.0                 | 95.2               | 0.84                 | 0.80               | 46                              | 5.3                                                  | 17                              | 6081                             | 0.8                                                  | 2.1                                                    | 28.1                           | 3800                        | 78                                                            |
| 710                  | AMI 450L6W    | 10848         | 988                  | 94.9                 | 95.2               | 0.85                 | 0.82               | 51                              | 4.8                                                  | 17                              | 6864                             | 0.7                                                  | 2.0                                                    | 28.1                           | 3800                        | 78                                                            |
| 800                  | AMI 450L6W    | 10849         | 989                  | 95.1                 | 95.4               | 0.84                 | 0.80               | 58                              | 5.0                                                  | 21                              | 7725                             | 0.7                                                  | 2.1                                                    | 28.3                           | 3810                        | 78                                                            |
| 900                  | AMI 450L6W    | 10850         | 988                  | 95.1                 | 95.5               | 0.85                 | 0.82               | 64                              | 4.7                                                  | 22                              | 8696                             | 0.6                                                  | 1.9                                                    | 30.1                           | 3940                        | 78                                                            |
| 1000                 | AMI 450L6W    | 10851         | 988                  | 95.2                 | 95.6               | 0.85                 | 0.83               | 71                              | 4.6                                                  | 23                              | 9667                             | 0.6                                                  | 1.9                                                    | 31.8                           | 4060                        | 78                                                            |
| 1100                 | AMI 450L6W    | 10852         | 991                  | 95.5                 | 95.8               | 0.83                 | 0.79               | 80                              | 4.8                                                  | 30                              | 10605                            | 0.6                                                  | 1.9                                                    | 32.4                           | 4080                        | 78                                                            |
| 1250                 | AMI 500L6W    | 10853         | 991                  | 95.4                 | 95.8               | 0.88                 | 0.86               | 86                              | 5.5                                                  | 26                              | 12045                            | 0.7                                                  | 2.1                                                    | 60.1                           | 4960                        | 79                                                            |
| 1400                 | AMI 500L6W    | 10854         | 991                  | 95.5                 | 95.9               | 0.87                 | 0.85               | 97                              | 5.5                                                  | 30                              | 13488                            | 0.7                                                  | 2.2                                                    | 63.6                           | 5110                        | 79                                                            |
| 1600                 | AMI 500L6W    | 10855         | 993                  | 95.8                 | 96.1               | 0.86                 | 0.83               | 113                             | 5.6                                                  | 39                              | 15383                            | 0.7                                                  | 2.2                                                    | 69.1                           | 5290                        | 79                                                            |
| 1750                 | AMI 500L6W    | 10856         | 994                  | 96.0                 | 96.2               | 0.84                 | 0.81               | 125                             | 5.6                                                  | 47                              | 16820                            | 0.7                                                  | 2.2                                                    | 72.6                           | 5450                        | 79                                                            |
| 2000                 | AMI 560L6W B  | 10857         | 992                  | 96.1                 | 96.4               | 0.88                 | 0.87               | 136                             | 5.4                                                  | 35                              | 19250                            | 0.7                                                  | 2.3                                                    | 119.9                          | 7100                        | 80                                                            |
| 2240                 | AMI 560L6W B  | 10858         | 992                  | 96.1                 | 96.4               | 0.88                 | 0.87               | 153                             | 5.6                                                  | 40                              | 21558                            | 0.8                                                  | 2.3                                                    | 136.3                          | 7580                        | 80                                                            |
| 2500                 | AMI 560L6W B  | 10859         | 993                  | 96.3                 | 96.6               | 0.87                 | 0.85               | 173                             | 5.8                                                  | 52                              | 24044                            | 0.8                                                  | 2.5                                                    | 147.5                          | 7950                        | 80                                                            |
| 2800                 | AMI 560L6W B  | 10860         | 993                  | 96.5                 | 96.8               | 0.87                 | 0.86               | 192                             | 5.7                                                  | 54                              | 26915                            | 0.7                                                  | 2.3                                                    | 160.8                          | 8340                        | 80                                                            |
| 3200                 | AMI 560L6W B  | 10861         | 995                  | 96.7                 | 96.9               | 0.86                 | 0.85               | 222                             | 5.6                                                  | 64                              | 30723                            | 0.7                                                  | 2.2                                                    | 177.8                          | 8760                        | 80                                                            |
| 3550                 | AMI 630L6W B  | 10862         | 993                  | 96.7                 | 97.0               | 0.87                 | 0.86               | 242                             | 5.7                                                  | 64                              | 34133                            | 0.7                                                  | 2.4                                                    | 228.6                          | 10500                       | 81                                                            |
| 4000                 | AMI 630L6W B  | 10863         | 993                  | 96.8                 | 97.1               | 0.88                 | 0.87               | 271                             | 5.6                                                  | 67                              | 38466                            | 0.7                                                  | 2.4                                                    | 247.4                          | 10970                       | 81                                                            |
| 4500                 | AMI 630L6W B  | 10864         | 993                  | 96.9                 | 97.2               | 0.88                 | 0.87               | 304                             | 5.6                                                  | 74                              | 43275                            | 0.7                                                  | 2.4                                                    | 266.2                          | 11450                       | 81                                                            |
| 5000                 | AMI 630L6W B  | 10865         | 994                  | 97.0                 | 97.3               | 0.87                 | 0.86               | 341                             | 5.7                                                  | 91                              | 48040                            | 0.7                                                  | 2.4                                                    | 285.7                          | 11940                       | 81                                                            |
| 5600                 | AMI 630L6W B  | 10866         | 994                  | 97.1                 | 97.4               | 0.87                 | 0.86               | 381                             | 5.6                                                  | 102                             | 53782                            | 0.7                                                  | 2.4                                                    | 316.0                          | 12660                       | 81                                                            |
| 750 r/min = 8 poles  |               |               |                      | 10000 V 50 Hz        |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 710                  | AMI 500L8W    | 10867         | 742                  | 94.6                 | 94.8               | 0.84                 | 0.81               | 51                              | 5.3                                                  | 19                              | 9134                             | 0.7                                                  | 2.1                                                    | 69.4                           | 4910                        | 77                                                            |
| 800                  | AMI 500L8W    | 10868         | 741                  | 94.5                 | 94.9               | 0.86                 | 0.83               | 57                              | 5.2                                                  | 19                              | 10307                            | 0.8                                                  | 2.1                                                    | 69.8                           | 4910                        | 77                                                            |
| 900                  | AMI 500L8W    | 10869         | 742                  | 94.8                 | 95.1               | 0.86                 | 0.83               | 64                              | 5.3                                                  | 21                              | 11583                            | 0.7                                                  | 2.0                                                    | 74.6                           | 5070                        | 77                                                            |
| 1000                 | AMI 500L8W    | 10870         | 742                  | 94.9                 | 95.2               | 0.86                 | 0.83               | 71                              | 5.3                                                  | 24                              | 12870                            | 0.7                                                  | 2.1                                                    | 79.0                           | 5220                        | 77                                                            |
| 1120                 | AMI 500L8W    | 10871         | 743                  | 95.1                 | 95.5               | 0.87                 | 0.85               | 78                              | 5.1                                                  | 24                              | 14403                            | 0.7                                                  | 1.9                                                    | 88.4                           | 5510                        | 77                                                            |
| 1250                 | AMI 500L8W    | 10872         | 744                  | 95.4                 | 95.7               | 0.85                 | 0.83               | 89                              | 5.3                                                  | 29                              | 16042                            | 0.7                                                  | 1.9                                                    | 94.0                           | 5680                        | 77                                                            |
| 1400                 | AMI 560L8W B  | 10873         | 744                  | 95.8                 | 96.1               | 0.85                 | 0.84               | 99                              | 4.8                                                  | 30                              | 17971                            | 0.6                                                  | 1.9                                                    | 134.0                          | 7070                        | 76                                                            |
| 1600                 | AMI 560L8W B  | 10874         | 744                  | 95.9                 | 96.2               | 0.85                 | 0.83               | 113                             | 4.9                                                  | 35                              | 20538                            | 0.6                                                  | 2.0                                                    | 141.1                          | 7260                        | 76                                                            |
| 1850                 | AMI 560L8W B  | 10875         | 744                  | 96.0                 | 96.3               | 0.84                 | 0.82               | 132                             | 4.9                                                  | 43                              | 23745                            | 0.6                                                  | 2.0                                                    | 148.2                          | 7450                        | 76                                                            |
| 2100                 | AMI 560L8W B  | 10876         | 745                  | 96.2                 | 96.5               | 0.84                 | 0.81               | 151                             | 5.0                                                  | 49                              | 26929                            | 0.7                                                  | 2.0                                                    | 163.1                          | 7840                        | 76                                                            |
| 2360                 | AMI 560L8W B  | 10877         | 744                  | 96.3                 | 96.6               | 0.84                 | 0.83               | 167                             | 5.0                                                  | 53                              | 30279                            | 0.7                                                  | 2.0                                                    | 183.3                          | 8390                        | 76                                                            |
| 2500                 | AMI 560L8W B  | 10878         | 745                  | 96.4                 | 96.5               | 0.83                 | 0.80               | 179                             | 5.7                                                  | 65                              | 32039                            | 0.8                                                  | 2.3                                                    | 204.5                          | 8890                        | 76                                                            |
| 2800                 | AMI 630L8W B  | 10879         | 744                  | 96.3                 | 96.6               | 0.85                 | 0.83               | 198                             | 5.5                                                  | 61                              | 35920                            | 0.8                                                  | 2.2                                                    | 301.9                          | 10840                       | 77                                                            |
| 3150                 | AMI 630L8W B  | 10880         | 744                  | 96.4                 | 96.7               | 0.85                 | 0.84               | 221                             | 5.3                                                  | 64                              | 40421                            | 0.7                                                  | 2.1                                                    | 325.9                          | 11340                       | 77                                                            |
| 3500                 | AMI 630L8W B  | 10881         | 745                  | 96.7                 | 96.9               | 0.85                 | 0.84               | 245                             | 5.2                                                  | 73                              | 44838                            | 0.6                                                  | 2.1                                                    | 355.5                          | 11850                       | 77                                                            |
| 4150                 | AMI 630L8W B  | 10882         | 746                  | 96.9                 | 97.0               | 0.85                 | 0.83               | 292                             | 5.5                                                  | 92                              | 53139                            | 0.7                                                  | 2.2                                                    | 416.0                          | 13050                       | 77                                                            |

# Modular induction motors, type AMI

## Technical data

IP24W, IC01, insulation class F, temperature rise class B  
10000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 600 r/min = 10 poles |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 10000 V 50 Hz        |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 560                  | AMI 500L10W   | 10883         | 594                  | 94.0                 | 94.5               | 0.84                 | 0.80               | 41                              | 4.9                                                  | 16                              | 9006                             | 0.7                                                  | 1.9                                                    | 67.3                           | 4760                        | 77                                                                |
| 630                  | AMI 500L10W   | 10884         | 593                  | 94.0                 | 94.4               | 0.83                 | 0.78               | 47                              | 5.0                                                  | 19                              | 10143                            | 0.7                                                  | 2.0                                                    | 66.7                           | 4760                        | 77                                                                |
| 710                  | AMI 500L10W   | 10885         | 593                  | 94.1                 | 94.6               | 0.83                 | 0.79               | 52                              | 4.9                                                  | 21                              | 11436                            | 0.7                                                  | 2.0                                                    | 71.1                           | 4910                        | 77                                                                |
| 800                  | AMI 500L10W   | 10886         | 594                  | 94.5                 | 95.0               | 0.83                 | 0.81               | 59                              | 4.5                                                  | 21                              | 12853                            | 0.7                                                  | 1.7                                                    | 81.7                           | 5220                        | 77                                                                |
| 850                  | AMI 500L10W   | 10887         | 594                  | 94.6                 | 95.1               | 0.84                 | 0.80               | 62                              | 4.9                                                  | 23                              | 13665                            | 0.7                                                  | 1.9                                                    | 85.5                           | 5350                        | 77                                                                |
| 900                  | AMI 560L10W B | 10888         | 592                  | 94.7                 | 95.3               | 0.86                 | 0.85               | 63                              | 4.6                                                  | 18                              | 14526                            | 0.7                                                  | 2.0                                                    | 147.9                          | 6990                        | 75                                                                |
| 1000                 | AMI 560L10W B | 10889         | 592                  | 94.9                 | 95.4               | 0.86                 | 0.84               | 71                              | 5.0                                                  | 23                              | 16123                            | 0.8                                                  | 2.1                                                    | 147.9                          | 7000                        | 75                                                                |
| 1120                 | AMI 560L10W B | 10890         | 594                  | 95.3                 | 95.7               | 0.84                 | 0.81               | 81                              | 5.5                                                  | 30                              | 18003                            | 0.9                                                  | 2.4                                                    | 149.0                          | 7020                        | 75                                                                |
| 1300                 | AMI 560L10W B | 10891         | 594                  | 95.5                 | 95.8               | 0.85                 | 0.82               | 93                              | 5.4                                                  | 33                              | 20893                            | 0.8                                                  | 2.3                                                    | 165.5                          | 7390                        | 75                                                                |
| 1500                 | AMI 560L10W B | 10892         | 594                  | 95.6                 | 96.0               | 0.85                 | 0.82               | 107                             | 5.4                                                  | 37                              | 24108                            | 0.8                                                  | 2.3                                                    | 181.6                          | 7760                        | 75                                                                |
| 1750                 | AMI 560L10W B | 10893         | 596                  | 95.9                 | 96.3               | 0.84                 | 0.82               | 125                             | 5.2                                                  | 42                              | 28056                            | 0.8                                                  | 2.0                                                    | 208.6                          | 8350                        | 75                                                                |
| 1950                 | AMI 560L10W B | 10894         | 596                  | 96.1                 | 96.3               | 0.82                 | 0.78               | 143                             | 5.6                                                  | 57                              | 31234                            | 0.8                                                  | 2.2                                                    | 224.3                          | 8710                        | 75                                                                |
| 2000                 | AMI 630L10W B | 10895         | 594                  | 96.0                 | 96.3               | 0.87                 | 0.84               | 139                             | 5.5                                                  | 43                              | 32163                            | 0.9                                                  | 2.3                                                    | 335.2                          | 10620                       | 75                                                                |
| 2240                 | AMI 630L10W B | 10896         | 594                  | 96.1                 | 96.4               | 0.85                 | 0.82               | 159                             | 5.5                                                  | 56                              | 35982                            | 0.8                                                  | 2.3                                                    | 361.0                          | 11080                       | 75                                                                |
| 2500                 | AMI 630L10W B | 10897         | 596                  | 96.3                 | 96.6               | 0.84                 | 0.82               | 178                             | 5.5                                                  | 61                              | 40064                            | 0.8                                                  | 2.1                                                    | 393.6                          | 11510                       | 75                                                                |
| 2800                 | AMI 630L10W B | 10898         | 597                  | 96.5                 | 96.7               | 0.83                 | 0.80               | 201                             | 5.6                                                  | 73                              | 44800                            | 0.7                                                  | 2.2                                                    | 432.6                          | 12050                       | 75                                                                |
| 3000                 | AMI 630L10W B | 10899         | 597                  | 96.6                 | 96.8               | 0.83                 | 0.80               | 216                             | 5.6                                                  | 79                              | 47987                            | 0.7                                                  | 2.1                                                    | 475.6                          | 12750                       | 75                                                                |
| 500 r/min = 12 poles |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 10000 V 50 Hz        |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 400                  | AMI 500L12W   | 10900         | 494                  | 93.2                 | 93.6               | 0.77                 | 0.73               | 32                              | 3.8                                                  | 15                              | 7739                             | 0.5                                                  | 1.7                                                    | 57.4                           | 4760                        | 77                                                                |
| 450                  | AMI 500L12W   | 10901         | 493                  | 93.2                 | 93.6               | 0.77                 | 0.72               | 36                              | 3.8                                                  | 17                              | 8708                             | 0.5                                                  | 1.7                                                    | 57.4                           | 4760                        | 77                                                                |
| 500                  | AMI 500L12W   | 10902         | 494                  | 93.4                 | 93.6               | 0.77                 | 0.71               | 40                              | 4.6                                                  | 20                              | 9660                             | 0.7                                                  | 2.0                                                    | 71.3                           | 4900                        | 77                                                                |
| 560                  | AMI 500L12W   | 10903         | 494                  | 93.5                 | 93.8               | 0.78                 | 0.72               | 45                              | 4.5                                                  | 22                              | 10824                            | 0.7                                                  | 1.9                                                    | 75.8                           | 5040                        | 77                                                                |
| 630                  | AMI 500L12W   | 10904         | 495                  | 93.8                 | 94.2               | 0.79                 | 0.74               | 49                              | 4.2                                                  | 22                              | 12163                            | 0.6                                                  | 1.8                                                    | 85.7                           | 5350                        | 77                                                                |
| 710                  | AMI 560L12W B | 10905         | 493                  | 94.2                 | 94.9               | 0.83                 | 0.81               | 52                              | 4.2                                                  | 19                              | 13751                            | 0.6                                                  | 2.0                                                    | 147.9                          | 6960                        | 74                                                                |
| 800                  | AMI 560L12W B | 10906         | 493                  | 94.4                 | 95.0               | 0.82                 | 0.79               | 59                              | 4.5                                                  | 23                              | 15482                            | 0.7                                                  | 2.1                                                    | 147.9                          | 6970                        | 74                                                                |
| 900                  | AMI 560L12W B | 10907         | 494                  | 94.6                 | 95.2               | 0.82                 | 0.78               | 67                              | 4.6                                                  | 27                              | 17412                            | 0.7                                                  | 2.1                                                    | 156.0                          | 7160                        | 74                                                                |
| 1000                 | AMI 560L12W B | 10908         | 494                  | 94.8                 | 95.3               | 0.81                 | 0.77               | 75                              | 4.8                                                  | 32                              | 19333                            | 0.7                                                  | 2.2                                                    | 164.0                          | 7340                        | 74                                                                |
| 1150                 | AMI 560L12W B | 10909         | 494                  | 94.9                 | 95.5               | 0.83                 | 0.79               | 85                              | 4.6                                                  | 33                              | 22245                            | 0.7                                                  | 2.1                                                    | 188.1                          | 7890                        | 74                                                                |
| 1320                 | AMI 560L12W B | 10910         | 495                  | 95.4                 | 95.8               | 0.82                 | 0.77               | 98                              | 4.7                                                  | 40                              | 25460                            | 0.6                                                  | 2.2                                                    | 214.9                          | 8460                        | 74                                                                |
| 1600                 | AMI 630L12W B | 10911         | 494                  | 95.5                 | 96.0               | 0.84                 | 0.81               | 115                             | 5.1                                                  | 41                              | 30928                            | 0.8                                                  | 2.2                                                    | 320.0                          | 10310                       | 74                                                                |
| 1800                 | AMI 630L12W B | 10912         | 494                  | 95.7                 | 96.1               | 0.84                 | 0.81               | 129                             | 5.4                                                  | 48                              | 34768                            | 0.9                                                  | 2.4                                                    | 362.6                          | 11000                       | 74                                                                |
| 2000                 | AMI 630L12W B | 10913         | 496                  | 95.9                 | 96.2               | 0.82                 | 0.79               | 146                             | 5.5                                                  | 57                              | 38540                            | 0.8                                                  | 2.3                                                    | 420.1                          | 11870                       | 74                                                                |
| 2300                 | AMI 630L12W B | 10914         | 497                  | 96.2                 | 96.5               | 0.82                 | 0.78               | 168                             | 5.7                                                  | 69                              | 44216                            | 0.8                                                  | 2.3                                                    | 468.0                          | 12600                       | 74                                                                |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_s$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_s$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                |
| 3000 r/min = 2 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                |
| 710                  | AMI 400L2L    | 10500         | 2972                 | 95.7                 | 95.9               | 0.86                 | 0.84               | 166              | 5.0                    | 44               | 2281              | 0.6                    | 2.1                        | 6.2                            | 2880                        | 82                                             |
| 800                  | AMI 400L2L    | 10501         | 2968                 | 95.6                 | 95.9               | 0.86                 | 0.85               | 187              | 4.4                    | 44               | 2574              | 0.5                    | 1.9                        | 6.2                            | 2880                        | 82                                             |
| 900                  | AMI 400L2L    | 10502         | 2964                 | 95.4                 | 95.9               | 0.86                 | 0.86               | 210              | 3.9                    | 44               | 2900              | 0.4                    | 1.7                        | 6.2                            | 2880                        | 82                                             |
| 1000                 | AMI 400L2L    | 10503         | 2964                 | 95.5                 | 96.1               | 0.87                 | 0.87               | 231              | 4.0                    | 44               | 3222              | 0.5                    | 1.7                        | 6.7                            | 2990                        | 82                                             |
| 1120                 | AMI 400L2L    | 10504         | 2967                 | 95.8                 | 96.3               | 0.87                 | 0.87               | 259              | 4.2                    | 54               | 3604              | 0.4                    | 1.8                        | 6.8                            | 3060                        | 82                                             |
| 1250                 | AMI 400L2L    | 10505         | 2968                 | 96.0                 | 96.5               | 0.88                 | 0.89               | 284              | 4.2                    | 52               | 4022              | 0.5                    | 1.8                        | 7.5                            | 3230                        | 82                                             |
| 1370                 | AMI 400L2L    | 10506         | 2970                 | 96.2                 | 96.7               | 0.89                 | 0.89               | 309              | 4.5                    | 57               | 4405              | 0.5                    | 1.9                        | 8.1                            | 3370                        | 82                                             |
| 1400                 | AMI 400L2L    | 10507         | 2977                 | 96.4                 | 96.8               | 0.89                 | 0.89               | 315              | 4.6                    | 55               | 4491              | 0.5                    | 1.8                        | 11.0                           | 3490                        | 82                                             |
| 1400                 | AMI 450L2L    | 10508         | 2974                 | 96.3                 | 96.6               | 0.88                 | 0.87               | 318              | 4.3                    | 70               | 4496              | 0.4                    | 1.9                        | 11.6                           | 4050                        | 83                                             |
| 1600                 | AMI 450L2L    | 10509         | 2963                 | 96.0                 | 96.5               | 0.87                 | 0.88               | 367              | 3.7                    | 68               | 5156              | 0.4                    | 1.6                        | 11.9                           | 4060                        | 83                                             |
| 1800                 | AMI 450L2L    | 10510         | 2972                 | 96.4                 | 96.8               | 0.87                 | 0.87               | 412              | 4.2                    | 90               | 5783              | 0.4                    | 1.8                        | 12.3                           | 4180                        | 83                                             |
| 2100                 | AMI 450L2L    | 10511         | 2974                 | 96.6                 | 97.0               | 0.88                 | 0.87               | 475              | 4.5                    | 105              | 6742              | 0.4                    | 1.9                        | 13.7                           | 4470                        | 83                                             |
| 2200                 | AMI 450L2L    | 10512         | 2983                 | 96.9                 | 97.2               | 0.89                 | 0.89               | 490              | 4.7                    | 104              | 7043              | 0.4                    | 2.0                        | 18.4                           | 4630                        | 83                                             |
| 2240                 | AMI 500L2L    | 10513         | 2966                 | 96.1                 | 96.6               | 0.89                 | 0.88               | 507              | 4.0                    | 104              | 7212              | 0.4                    | 1.7                        | 19.6                           | 5250                        | 84                                             |
| 2650                 | AMI 500L2L    | 10514         | 2972                 | 96.6                 | 96.9               | 0.90                 | 0.90               | 590              | 4.1                    | 112              | 8513              | 0.4                    | 1.8                        | 21.5                           | 5380                        | 84                                             |
| 3100                 | AMI 500L2L    | 10515         | 2977                 | 96.9                 | 97.3               | 0.90                 | 0.90               | 681              | 4.6                    | 128              | 9943              | 0.4                    | 1.9                        | 25.0                           | 5960                        | 84                                             |
| 3150                 | AMI 500L2L    | 10516         | 2984                 | 97.1                 | 97.4               | 0.90                 | 0.90               | 691              | 4.7                    | 126              | 10082             | 0.4                    | 1.9                        | 33.7                           | 6160                        | 84                                             |
| 3550                 | AMI 560L2L B  | 10517         | 2980                 | 97.0                 | 97.2               | 0.90                 | 0.90               | 781              | 5.1                    | 156              | 11377             | 0.4                    | 2.4                        | 38.9                           | 8130                        | 87                                             |
| 4000                 | AMI 560L2L B  | 10518         | 2978                 | 97.0                 | 97.3               | 0.91                 | 0.91               | 875              | 4.7                    | 150              | 12828             | 0.4                    | 2.3                        | 40.7                           | 8380                        | 87                                             |
| 4500                 | AMI 560L2L B  | 10519         | 2979                 | 97.1                 | 97.4               | 0.91                 | 0.91               | 982              | 5.0                    | 177              | 14426             | 0.4                    | 2.4                        | 44.4                           | 8780                        | 87                                             |
| 4900                 | AMI 560L2L B  | 10520         | 2980                 | 97.2                 | 97.5               | 0.92                 | 0.92               | 1058             | 5.1                    | 174              | 15702             | 0.5                    | 2.4                        | 47.6                           | 9190                        | 87                                             |
| 5400                 | AMI 560L2L B  | 10521         | 2981                 | 97.3                 | 97.5               | 0.91                 | 0.91               | 1169             | 5.5                    | 218              | 17296             | 0.5                    | 2.6                        | 51.3                           | 9590                        | 87                                             |
| 5800                 | AMI 560L2L B  | 10522         | 2987                 | 97.5                 | 97.7               | 0.92                 | 0.92               | 1248             | 5.3                    | 214              | 18542             | 0.4                    | 2.4                        | 69.0                           | 9910                        | 87                                             |
| 6200                 | AMI 630L2L B  | 10523         | 2981                 | 97.0                 | 97.2               | 0.91                 | 0.91               | 1348             | 5.0                    | 206              | 19863             | 0.4                    | 2.4                        | 91.0                           | 11490                       | 88                                             |
| 6900                 | AMI 630L2L B  | 10524         | 2982                 | 97.3                 | 97.4               | 0.92                 | 0.91               | 1490             | 5.6                    | 238              | 22095             | 0.5                    | 2.7                        | 93.5                           | 11900                       | 88                                             |
| 7500                 | AMI 630L2L B  | 10525         | 2983                 | 97.3                 | 97.4               | 0.91                 | 0.91               | 1632             | 5.7                    | 279              | 24009             | 0.5                    | 2.7                        | 107.8                          | 12820                       | 88                                             |
| 8000                 | AMI 630L2L B  | 10526         | 2987                 | 97.4                 | 97.5               | 0.92                 | 0.92               | 1720             | 5.6                    | 268              | 25573             | 0.4                    | 2.6                        | 138.9                          | 13220                       | 88                                             |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>S</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>S</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 1500 r/min = 4 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 710                  | AMI 400L4L    | 10527         | 1484                 | 95.3                 | 95.6               | 0.85                 | 0.82               | 169                             | 4.8                                                  | 57                              | 4568                             | 0.6                                                  | 2.0                                                    | 13.1                           | 2770                        | 79                                                                |
| 800                  | AMI 400L4L    | 10528         | 1483                 | 95.3                 | 95.7               | 0.86                 | 0.84               | 188                             | 4.5                                                  | 55                              | 5150                             | 0.6                                                  | 1.9                                                    | 14.1                           | 2850                        | 79                                                                |
| 900                  | AMI 400L4L    | 10529         | 1484                 | 95.5                 | 95.9               | 0.86                 | 0.85               | 210                             | 4.8                                                  | 62                              | 5792                             | 0.6                                                  | 1.9                                                    | 15.1                           | 2940                        | 79                                                                |
| 1000                 | AMI 400L4L    | 10530         | 1484                 | 95.6                 | 96.0               | 0.87                 | 0.85               | 232                             | 4.9                                                  | 66                              | 6435                             | 0.7                                                  | 2.0                                                    | 16.1                           | 3040                        | 79                                                                |
| 1120                 | AMI 400L4L    | 10531         | 1484                 | 95.8                 | 96.2               | 0.87                 | 0.85               | 260                             | 5.0                                                  | 75                              | 7206                             | 0.7                                                  | 2.0                                                    | 17.1                           | 3150                        | 79                                                                |
| 1300                 | AMI 400L4L    | 10532         | 1483                 | 95.9                 | 96.3               | 0.88                 | 0.87               | 296                             | 4.8                                                  | 73                              | 8369                             | 0.7                                                  | 1.9                                                    | 19.2                           | 3350                        | 79                                                                |
| 1400                 | AMI 450L4L    | 10533         | 1485                 | 95.8                 | 96.2               | 0.88                 | 0.88               | 321                             | 4.3                                                  | 71                              | 9002                             | 0.5                                                  | 1.7                                                    | 27.9                           | 3870                        | 80                                                                |
| 1500                 | AMI 450L4L    | 10534         | 1487                 | 96.0                 | 96.4               | 0.88                 | 0.87               | 343                             | 4.7                                                  | 84                              | 9636                             | 0.6                                                  | 1.8                                                    | 29.7                           | 4000                        | 80                                                                |
| 1700                 | AMI 450L4L    | 10535         | 1487                 | 96.2                 | 96.5               | 0.87                 | 0.86               | 392                             | 5.0                                                  | 106                             | 10914                            | 0.6                                                  | 2.0                                                    | 31.5                           | 4130                        | 80                                                                |
| 1900                 | AMI 450L4L    | 10536         | 1488                 | 96.3                 | 96.6               | 0.87                 | 0.86               | 435                             | 5.4                                                  | 118                             | 12192                            | 0.7                                                  | 2.1                                                    | 35.0                           | 4360                        | 80                                                                |
| 2100                 | AMI 450L4L    | 10537         | 1488                 | 96.4                 | 96.7               | 0.87                 | 0.86               | 481                             | 5.4                                                  | 131                             | 13475                            | 0.7                                                  | 2.1                                                    | 36.8                           | 4490                        | 80                                                                |
| 2200                 | AMI 500L4L    | 10538         | 1487                 | 96.1                 | 96.5               | 0.88                 | 0.88               | 499                             | 4.4                                                  | 106                             | 14124                            | 0.5                                                  | 1.7                                                    | 50.6                           | 5140                        | 81                                                                |
| 2360                 | AMI 500L4L    | 10539         | 1488                 | 96.2                 | 96.6               | 0.89                 | 0.88               | 533                             | 4.6                                                  | 115                             | 15145                            | 0.5                                                  | 1.7                                                    | 53.7                           | 5300                        | 81                                                                |
| 2650                 | AMI 500L4L    | 10540         | 1488                 | 96.3                 | 96.7               | 0.88                 | 0.88               | 599                             | 4.7                                                  | 131                             | 17005                            | 0.6                                                  | 1.8                                                    | 56.7                           | 5460                        | 81                                                                |
| 2900                 | AMI 500L4L    | 10541         | 1489                 | 96.5                 | 96.9               | 0.89                 | 0.89               | 646                             | 4.9                                                  | 135                             | 18595                            | 0.6                                                  | 1.8                                                    | 63.4                           | 5790                        | 81                                                                |
| 3250                 | AMI 500L4L    | 10542         | 1490                 | 96.7                 | 97.0               | 0.90                 | 0.90               | 719                             | 5.0                                                  | 145                             | 20836                            | 0.6                                                  | 1.9                                                    | 69.5                           | 6130                        | 81                                                                |
| 3550                 | AMI 560L4L B  | 10543         | 1489                 | 96.5                 | 96.9               | 0.87                 | 0.87               | 811                             | 4.4                                                  | 163                             | 22773                            | 0.5                                                  | 1.9                                                    | 96.3                           | 7580                        | 83                                                                |
| 4100                 | AMI 560L4L B  | 10544         | 1489                 | 96.7                 | 97.1               | 0.89                 | 0.90               | 917                             | 4.5                                                  | 154                             | 26300                            | 0.5                                                  | 1.9                                                    | 110.4                          | 8150                        | 83                                                                |
| 4750                 | AMI 560L4L B  | 10545         | 1489                 | 96.9                 | 97.3               | 0.90                 | 0.90               | 1054                            | 4.8                                                  | 176                             | 30457                            | 0.6                                                  | 2.0                                                    | 124.5                          | 8760                        | 83                                                                |
| 5500                 | AMI 560L4L B  | 10546         | 1491                 | 97.2                 | 97.4               | 0.89                 | 0.88               | 1227                            | 5.7                                                  | 265                             | 35229                            | 0.6                                                  | 2.5                                                    | 134.5                          | 9180                        | 83                                                                |
| 6300                 | AMI 630L4L B  | 10547         | 1491                 | 97.2                 | 97.5               | 0.89                 | 0.89               | 1405                            | 4.9                                                  | 255                             | 40349                            | 0.5                                                  | 2.1                                                    | 207.7                          | 11860                       | 84                                                                |
| 7100                 | AMI 630L4L B  | 10548         | 1492                 | 97.4                 | 97.6               | 0.89                 | 0.87               | 1584                            | 5.8                                                  | 366                             | 45429                            | 0.6                                                  | 2.6                                                    | 230.5                          | 12620                       | 84                                                                |
| 8000                 | AMI 630L4L B  | 10549         | 1491                 | 97.4                 | 97.6               | 0.89                 | 0.89               | 1771                            | 5.3                                                  | 351                             | 51221                            | 0.5                                                  | 2.3                                                    | 237.9                          | 12850                       | 84                                                                |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|---------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                               |
| 1000 r/min = 6 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 500                  | AMI 400L6L    | 10550         | 987                  | 94.9                 | 95.3               | 0.85                 | 0.82               | 120                             | 4.6                                                  | 40                              | 4839                             | 0.7                                                  | 1.8                                                    | 15.5                           | 2780                        | 77                                                            |
| 560                  | AMI 400L6L    | 10551         | 988                  | 95.2                 | 95.4               | 0.84                 | 0.81               | 135                             | 4.9                                                  | 49                              | 5414                             | 0.8                                                  | 2.0                                                    | 16.7                           | 2880                        | 77                                                            |
| 630                  | AMI 400L6L    | 10552         | 988                  | 95.1                 | 95.3               | 0.81                 | 0.77               | 158                             | 5.0                                                  | 65                              | 6089                             | 0.8                                                  | 2.0                                                    | 16.7                           | 2860                        | 77                                                            |
| 710                  | AMI 400L6L    | 10553         | 988                  | 95.1                 | 95.5               | 0.82                 | 0.78               | 175                             | 4.9                                                  | 68                              | 6865                             | 0.8                                                  | 2.0                                                    | 18.0                           | 2960                        | 77                                                            |
| 800                  | AMI 400L6L    | 10554         | 988                  | 95.2                 | 95.6               | 0.82                 | 0.79               | 197                             | 4.9                                                  | 74                              | 7736                             | 0.8                                                  | 2.0                                                    | 19.2                           | 3060                        | 77                                                            |
| 900                  | AMI 400L6L    | 10555         | 988                  | 95.3                 | 95.7               | 0.82                 | 0.78               | 222                             | 4.9                                                  | 86                              | 8702                             | 0.9                                                  | 2.0                                                    | 20.4                           | 3150                        | 77                                                            |
| 980                  | AMI 400L6L    | 10556         | 988                  | 95.5                 | 95.8               | 0.83                 | 0.80               | 237                             | 5.0                                                  | 85                              | 9472                             | 0.9                                                  | 2.0                                                    | 22.8                           | 3340                        | 77                                                            |
| 1000                 | AMI 450L6L    | 10557         | 989                  | 95.6                 | 96.1               | 0.85                 | 0.83               | 237                             | 4.7                                                  | 72                              | 9656                             | 0.6                                                  | 1.9                                                    | 33.2                           | 3760                        | 78                                                            |
| 1120                 | AMI 450L6L    | 10558         | 989                  | 95.7                 | 96.2               | 0.85                 | 0.83               | 265                             | 4.7                                                  | 81                              | 10813                            | 0.6                                                  | 1.9                                                    | 35.5                           | 3890                        | 78                                                            |
| 1250                 | AMI 450L6L    | 10559         | 990                  | 95.9                 | 96.3               | 0.85                 | 0.83               | 294                             | 5.1                                                  | 92                              | 12059                            | 0.7                                                  | 2.0                                                    | 40.0                           | 4120                        | 78                                                            |
| 1400                 | AMI 450L6L    | 10560         | 990                  | 96.0                 | 96.4               | 0.85                 | 0.83               | 330                             | 5.1                                                  | 102                             | 13507                            | 0.7                                                  | 2.0                                                    | 42.2                           | 4240                        | 78                                                            |
| 1600                 | AMI 450L6L    | 10561         | 990                  | 96.2                 | 96.5               | 0.85                 | 0.83               | 377                             | 5.3                                                  | 121                             | 15431                            | 0.8                                                  | 2.1                                                    | 46.7                           | 4500                        | 78                                                            |
| 1800                 | AMI 500L6L    | 10562         | 991                  | 96.2                 | 96.6               | 0.88                 | 0.87               | 410                             | 4.9                                                  | 104                             | 17353                            | 0.7                                                  | 1.9                                                    | 65.5                           | 5290                        | 79                                                            |
| 2000                 | AMI 500L6L    | 10563         | 991                  | 96.3                 | 96.7               | 0.87                 | 0.85               | 462                             | 5.3                                                  | 135                             | 19267                            | 0.8                                                  | 2.0                                                    | 69.1                           | 5450                        | 79                                                            |
| 2240                 | AMI 500L6L    | 10564         | 991                  | 96.3                 | 96.8               | 0.88                 | 0.87               | 508                             | 5.0                                                  | 128                             | 21576                            | 0.7                                                  | 1.9                                                    | 77.2                           | 5730                        | 79                                                            |
| 2500                 | AMI 500L6L    | 10565         | 992                  | 96.5                 | 96.9               | 0.87                 | 0.86               | 570                             | 5.5                                                  | 162                             | 24060                            | 0.8                                                  | 2.1                                                    | 84.6                           | 6030                        | 79                                                            |
| 2700                 | AMI 500L6L    | 10566         | 992                  | 96.6                 | 96.9               | 0.87                 | 0.85               | 618                             | 5.7                                                  | 180                             | 25997                            | 0.9                                                  | 2.2                                                    | 87.6                           | 6200                        | 79                                                            |
| 3150                 | AMI 560L6L B  | 10567         | 992                  | 96.6                 | 97.0               | 0.88                 | 0.87               | 716                             | 5.0                                                  | 164                             | 30314                            | 0.6                                                  | 2.0                                                    | 141.2                          | 7840                        | 80                                                            |
| 3550                 | AMI 560L6L B  | 10568         | 992                  | 96.8                 | 97.2               | 0.88                 | 0.87               | 804                             | 5.4                                                  | 190                             | 34159                            | 0.8                                                  | 2.2                                                    | 158.4                          | 8430                        | 80                                                            |
| 4000                 | AMI 560L6L B  | 10569         | 992                  | 96.9                 | 97.2               | 0.88                 | 0.87               | 905                             | 5.3                                                  | 210                             | 38491                            | 0.8                                                  | 2.2                                                    | 170.7                          | 8820                        | 80                                                            |
| 4400                 | AMI 560L6L B  | 10570         | 993                  | 97.0                 | 97.3               | 0.88                 | 0.88               | 988                             | 5.4                                                  | 219                             | 42333                            | 0.8                                                  | 2.2                                                    | 189.2                          | 9400                        | 80                                                            |
| 5000                 | AMI 630L6L B  | 10571         | 993                  | 97.1                 | 97.4               | 0.87                 | 0.86               | 1144                            | 5.2                                                  | 287                             | 48077                            | 0.7                                                  | 2.2                                                    | 258.6                          | 11480                       | 81                                                            |
| 5600                 | AMI 630L6L B  | 10572         | 993                  | 97.1                 | 97.4               | 0.88                 | 0.88               | 1260                            | 5.1                                                  | 275                             | 53849                            | 0.7                                                  | 2.1                                                    | 296.4                          | 12400                       | 81                                                            |
| 6500                 | AMI 630L6L B  | 10573         | 993                  | 97.2                 | 97.5               | 0.88                 | 0.88               | 1456                            | 5.1                                                  | 303                             | 62503                            | 0.7                                                  | 2.1                                                    | 334.2                          | 13360                       | 81                                                            |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)  | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                   |                                          |                           | Torque                     |                                          |                                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>L <sub>p</sub><br><br>(dB(A)) |
|---------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------|------------------------------------------|---------------------------|----------------------------|------------------------------------------|--------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------|
|                     |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | I <sub>N</sub><br><br>(A) | I <sub>s</sub><br>I <sub>N</sub><br>(pu) | I <sub>0</sub><br><br>(A) | T <sub>N</sub><br><br>(Nm) | T <sub>s</sub><br>T <sub>N</sub><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br>(pu) |                                |                             |                                                             |
| 750 r/min = 8 poles |               |               |                      |                      |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |
| 3000 V 50 Hz        |               |               |                      |                      |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |
| 315                 | AMI 400L8L    | 10574         | 742                  | 94.9                 | 95.0               | 0.80                 | 0.76               | 79                        | 5.1                                      | 35                        | 4054                       | 0.8                                      | 2.1                                        | 17.8                           | 2750                        | 75                                                          |
| 355                 | AMI 400L8L    | 10575         | 741                  | 94.7                 | 95.1               | 0.82                 | 0.78               | 88                        | 4.6                                      | 35                        | 4576                       | 0.7                                      | 1.8                                        | 17.8                           | 2750                        | 75                                                          |
| 400                 | AMI 400L8L    | 10576         | 740                  | 94.5                 | 94.9               | 0.81                 | 0.77               | 101                       | 4.5                                      | 41                        | 5159                       | 0.7                                      | 1.8                                        | 17.8                           | 2750                        | 75                                                          |
| 450                 | AMI 400L8L    | 10577         | 740                  | 94.8                 | 95.2               | 0.82                 | 0.78               | 112                       | 4.5                                      | 44                        | 5803                       | 0.7                                      | 1.8                                        | 19.2                           | 2850                        | 75                                                          |
| 500                 | AMI 400L8L    | 10578         | 740                  | 94.9                 | 95.3               | 0.82                 | 0.79               | 123                       | 4.5                                      | 46                        | 6450                       | 0.7                                      | 1.7                                        | 20.7                           | 2940                        | 75                                                          |
| 560                 | AMI 400L8L    | 10579         | 740                  | 94.9                 | 95.4               | 0.82                 | 0.79               | 138                       | 4.4                                      | 51                        | 7224                       | 0.7                                      | 1.7                                        | 22.1                           | 3040                        | 75                                                          |
| 630                 | AMI 400L8L    | 10580         | 740                  | 95.1                 | 95.5               | 0.82                 | 0.79               | 155                       | 4.5                                      | 58                        | 8126                       | 0.7                                      | 1.7                                        | 23.6                           | 3140                        | 75                                                          |
| 680                 | AMI 400L8L    | 10581         | 741                  | 95.2                 | 95.7               | 0.83                 | 0.80               | 166                       | 4.6                                      | 59                        | 8768                       | 0.7                                      | 1.7                                        | 26.5                           | 3320                        | 75                                                          |
| 710                 | AMI 450L8L    | 10582         | 742                  | 95.5                 | 95.8               | 0.81                 | 0.77               | 176                       | 5.1                                      | 74                        | 9136                       | 0.8                                      | 2.1                                        | 38.1                           | 3740                        | 76                                                          |
| 800                 | AMI 450L8L    | 10583         | 742                  | 95.6                 | 95.8               | 0.81                 | 0.76               | 199                       | 5.2                                      | 86                        | 10291                      | 0.8                                      | 2.1                                        | 40.8                           | 3860                        | 76                                                          |
| 900                 | AMI 450L8L    | 10584         | 742                  | 95.6                 | 95.9               | 0.82                 | 0.78               | 220                       | 5.3                                      | 88                        | 11577                      | 0.8                                      | 2.1                                        | 46.1                           | 4070                        | 76                                                          |
| 1000                | AMI 450L8L    | 10585         | 742                  | 95.7                 | 96.0               | 0.83                 | 0.79               | 242                       | 5.1                                      | 94                        | 12868                      | 0.8                                      | 2.0                                        | 48.8                           | 4200                        | 76                                                          |
| 1150                | AMI 450L8L    | 10586         | 742                  | 95.8                 | 96.1               | 0.82                 | 0.78               | 281                       | 5.3                                      | 113                       | 14790                      | 0.8                                      | 2.1                                        | 54.2                           | 4440                        | 76                                                          |
| 1250                | AMI 500L8L    | 10587         | 741                  | 95.5                 | 95.9               | 0.84                 | 0.82               | 300                       | 4.6                                      | 98                        | 16107                      | 0.7                                      | 1.8                                        | 71.1                           | 5070                        | 77                                                          |
| 1400                | AMI 500L8L    | 10588         | 742                  | 95.7                 | 96.0               | 0.84                 | 0.81               | 335                       | 4.9                                      | 113                       | 18025                      | 0.7                                      | 1.9                                        | 79.9                           | 5380                        | 77                                                          |
| 1600                | AMI 500L8L    | 10589         | 742                  | 95.9                 | 96.2               | 0.84                 | 0.82               | 381                       | 5.2                                      | 129                       | 20585                      | 0.8                                      | 2.0                                        | 93.2                           | 5830                        | 77                                                          |
| 1800                | AMI 500L8L    | 10590         | 743                  | 96.1                 | 96.4               | 0.84                 | 0.82               | 429                       | 5.1                                      | 142                       | 23119                      | 0.8                                      | 1.9                                        | 103.3                          | 6150                        | 77                                                          |
| 2000                | AMI 560L8L B  | 10591         | 742                  | 96.2                 | 96.6               | 0.85                 | 0.84               | 471                       | 4.5                                      | 130                       | 25750                      | 0.6                                      | 1.9                                        | 147.2                          | 7630                        | 76                                                          |
| 2240                | AMI 560L8L B  | 10592         | 742                  | 96.2                 | 96.7               | 0.85                 | 0.85               | 524                       | 4.4                                      | 136                       | 28845                      | 0.6                                      | 1.9                                        | 161.2                          | 8010                        | 76                                                          |
| 2500                | AMI 560L8L B  | 10593         | 742                  | 96.3                 | 96.7               | 0.86                 | 0.85               | 582                       | 4.5                                      | 153                       | 32185                      | 0.6                                      | 1.9                                        | 175.0                          | 8400                        | 76                                                          |
| 2800                | AMI 560L8L B  | 10594         | 743                  | 96.4                 | 96.8               | 0.85                 | 0.84               | 660                       | 4.6                                      | 181                       | 35998                      | 0.7                                      | 1.8                                        | 189.1                          | 8710                        | 76                                                          |
| 3150                | AMI 560L8L B  | 10595         | 744                  | 96.6                 | 96.9               | 0.84                 | 0.83               | 745                       | 4.8                                      | 212                       | 40442                      | 0.7                                      | 1.8                                        | 211.1                          | 9310                        | 76                                                          |
| 3400                | AMI 560L8L B  | 10596         | 745                  | 96.8                 | 97.0               | 0.83                 | 0.81               | 812                       | 5.1                                      | 258                       | 43600                      | 0.7                                      | 2.0                                        | 220.1                          | 9520                        | 76                                                          |
| 3550                | AMI 630L8L B  | 10597         | 744                  | 96.7                 | 97.1               | 0.84                 | 0.83               | 845                       | 4.5                                      | 222                       | 45541                      | 0.6                                      | 1.7                                        | 294.9                          | 10910                       | 77                                                          |
| 4000                | AMI 630L8L B  | 10598         | 745                  | 96.9                 | 97.2               | 0.84                 | 0.84               | 946                       | 4.6                                      | 245                       | 51297                      | 0.6                                      | 1.8                                        | 331.5                          | 11650                       | 77                                                          |
| 4500                | AMI 630L8L B  | 10599         | 745                  | 96.9                 | 97.2               | 0.85                 | 0.84               | 1052                      | 4.9                                      | 275                       | 57719                      | 0.6                                      | 1.9                                        | 378.6                          | 12600                       | 77                                                          |
| 4800                | AMI 630L8L B  | 10600         | 745                  | 97.0                 | 97.3               | 0.86                 | 0.86               | 1113                      | 4.7                                      | 264                       | 61529                      | 0.6                                      | 1.8                                        | 429.1                          | 13590                       | 77                                                          |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br>(kW)                    | Motor<br>type | Product<br>ID | Speed<br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                     |                                                      |                             | Torque                       |                                                      |                                                        | Rotor<br>inertia<br>(kgm²) | Motor<br>weight<br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|-----------------------------------|---------------|---------------|------------------|----------------------|--------------------|----------------------|--------------------|-----------------------------|------------------------------------------------------|-----------------------------|------------------------------|------------------------------------------------------|--------------------------------------------------------|----------------------------|-------------------------|---------------------------------------------------------------|
|                                   |               |               |                  | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br>(A) | <i>T<sub>N</sub></i><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                            |                         |                                                               |
| 600 r/min = 10 poles 3000 V 50 Hz |               |               |                  |                      |                    |                      |                    |                             |                                                      |                             |                              |                                                      |                                                        |                            |                         |                                                               |
| 250                               | AMI 400L10L   | 10601         | 590              | 93.5                 | 93.9               | 0.76                 | 0.72               | 67                          | 4.0                                                  | 31                          | 4043                         | 0.7                                                  | 1.7                                                    | 17.5                       | 2750                    | 75                                                            |
| 280                               | AMI 400L10L   | 10602         | 590              | 93.7                 | 94.0               | 0.77                 | 0.72               | 75                          | 4.0                                                  | 33                          | 4529                         | 0.7                                                  | 1.7                                                    | 18.9                       | 2850                    | 75                                                            |
| 315                               | AMI 400L10L   | 10603         | 591              | 93.8                 | 94.2               | 0.77                 | 0.72               | 84                          | 4.0                                                  | 38                          | 5093                         | 0.7                                                  | 1.7                                                    | 20.4                       | 2940                    | 75                                                            |
| 355                               | AMI 400L10L   | 10604         | 590              | 94.0                 | 94.4               | 0.78                 | 0.74               | 93                          | 3.9                                                  | 39                          | 5742                         | 0.6                                                  | 1.7                                                    | 23.2                       | 3130                    | 75                                                            |
| 400                               | AMI 400L10L   | 10605         | 591              | 94.2                 | 94.4               | 0.76                 | 0.71               | 107                         | 4.3                                                  | 50                          | 6460                         | 0.7                                                  | 1.8                                                    | 24.6                       | 3230                    | 75                                                            |
| 450                               | AMI 400L10L   | 10606         | 591              | 94.1                 | 94.4               | 0.77                 | 0.72               | 120                         | 4.2                                                  | 54                          | 7272                         | 0.7                                                  | 1.7                                                    | 26.1                       | 3310                    | 75                                                            |
| 500                               | AMI 450L10L   | 10607         | 591              | 94.7                 | 95.2               | 0.82                 | 0.79               | 123                         | 4.3                                                  | 45                          | 8073                         | 0.7                                                  | 1.7                                                    | 40.5                       | 3830                    | 76                                                            |
| 560                               | AMI 450L10L   | 10608         | 592              | 94.8                 | 95.3               | 0.82                 | 0.79               | 138                         | 4.4                                                  | 52                          | 9038                         | 0.8                                                  | 1.8                                                    | 43.2                       | 3950                    | 76                                                            |
| 630                               | AMI 450L10L   | 10609         | 592              | 95.0                 | 95.4               | 0.81                 | 0.77               | 157                         | 4.7                                                  | 64                          | 10159                        | 0.8                                                  | 1.9                                                    | 45.9                       | 4080                    | 76                                                            |
| 710                               | AMI 450L10L   | 10610         | 591              | 94.7                 | 95.2               | 0.82                 | 0.79               | 176                         | 4.3                                                  | 65                          | 11463                        | 0.8                                                  | 1.7                                                    | 48.6                       | 4160                    | 76                                                            |
| 780                               | AMI 450L10L   | 10611         | 591              | 95.0                 | 95.5               | 0.83                 | 0.80               | 191                         | 4.2                                                  | 65                          | 12599                        | 0.7                                                  | 1.7                                                    | 54.0                       | 4440                    | 76                                                            |
| 900                               | AMI 500L10L   | 10612         | 593              | 95.3                 | 95.8               | 0.83                 | 0.80               | 219                         | 4.5                                                  | 78                          | 14496                        | 0.7                                                  | 1.8                                                    | 72.3                       | 5050                    | 77                                                            |
| 1000                              | AMI 500L10L   | 10613         | 593              | 95.5                 | 95.9               | 0.84                 | 0.81               | 241                         | 4.5                                                  | 82                          | 16106                        | 0.7                                                  | 1.8                                                    | 81.3                       | 5350                    | 77                                                            |
| 1120                              | AMI 500L10L   | 10614         | 593              | 95.7                 | 96.1               | 0.84                 | 0.81               | 269                         | 4.7                                                  | 93                          | 18030                        | 0.7                                                  | 1.8                                                    | 90.3                       | 5670                    | 77                                                            |
| 1200                              | AMI 500L10L   | 10615         | 593              | 95.7                 | 96.1               | 0.84                 | 0.81               | 289                         | 4.8                                                  | 102                         | 19313                        | 0.7                                                  | 1.9                                                    | 94.8                       | 5810                    | 77                                                            |
| 1350                              | AMI 500L10L   | 10616         | 593              | 95.8                 | 96.2               | 0.83                 | 0.80               | 325                         | 4.9                                                  | 116                         | 21722                        | 0.8                                                  | 1.9                                                    | 103.8                      | 6130                    | 77                                                            |
| 1600                              | AMI 560L10L B | 10617         | 592              | 95.8                 | 96.3               | 0.85                 | 0.84               | 377                         | 4.5                                                  | 113                         | 25787                        | 0.7                                                  | 2.0                                                    | 157.4                      | 7370                    | 75                                                            |
| 1800                              | AMI 560L10L B | 10618         | 593              | 96.0                 | 96.5               | 0.86                 | 0.84               | 422                         | 4.7                                                  | 124                         | 28991                        | 0.7                                                  | 2.0                                                    | 181.6                      | 7950                    | 75                                                            |
| 2000                              | AMI 560L10L B | 10619         | 593              | 96.0                 | 96.5               | 0.86                 | 0.85               | 467                         | 4.6                                                  | 131                         | 32221                        | 0.7                                                  | 1.9                                                    | 197.7                      | 8330                    | 75                                                            |
| 2240                              | AMI 560L10L B | 10620         | 593              | 96.2                 | 96.7               | 0.85                 | 0.84               | 524                         | 4.6                                                  | 147                         | 36044                        | 0.6                                                  | 1.9                                                    | 215.7                      | 8740                    | 75                                                            |
| 2600                              | AMI 560L10L B | 10621         | 595              | 96.6                 | 96.9               | 0.84                 | 0.82               | 616                         | 5.3                                                  | 207                         | 41728                        | 0.8                                                  | 2.1                                                    | 248.3                      | 9510                    | 75                                                            |
| 2800                              | AMI 630L10L B | 10622         | 594              | 96.5                 | 96.9               | 0.86                 | 0.84               | 651                         | 5.1                                                  | 187                         | 44989                        | 0.8                                                  | 2.0                                                    | 366.9                      | 11350                   | 75                                                            |
| 3150                              | AMI 630L10L B | 10623         | 594              | 96.6                 | 97.0               | 0.86                 | 0.85               | 729                         | 5.1                                                  | 203                         | 50609                        | 0.8                                                  | 2.0                                                    | 409.9                      | 12080                   | 75                                                            |
| 3400                              | AMI 630L10L B | 10624         | 595              | 96.8                 | 97.1               | 0.86                 | 0.85               | 787                         | 5.1                                                  | 216                         | 54532                        | 0.8                                                  | 1.9                                                    | 443.6                      | 12580                   | 75                                                            |
| 3700                              | AMI 630L10L B | 10625         | 596              | 96.9                 | 97.1               | 0.86                 | 0.84               | 855                         | 5.5                                                  | 249                         | 59303                        | 0.8                                                  | 2.1                                                    | 501.6                      | 13470                   | 75                                                            |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
3000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current      |                        |              | Torque        |                        |                            | Rotor<br>inertia | Motor<br>weight | Sound<br>pressure<br>level<br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|--------------|------------------------|--------------|---------------|------------------------|----------------------------|------------------|-----------------|------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br>(A) | $I_s$<br>$I_N$<br>(pu) | $I_0$<br>(A) | $T_N$<br>(Nm) | $T_s$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                  |                 |                                                |
| 500 r/min = 12 poles |               |               |                      | 3000 V 50 Hz         |                    |                      |                    |              |                        |              |               |                        |                            |                  |                 |                                                |
| 160                  | AMI 400L12L   | 10626         | 493                  | 92.3                 | 92.0               | 0.69                 | 0.62               | 48           | 4.0                    | 28           | 3101          | 0.9                    | 1.9                        | 17.5             | 2750            | 75                                             |
| 200                  | AMI 400L12L   | 10627         | 492                  | 92.6                 | 92.5               | 0.71                 | 0.65               | 59           | 3.8                    | 32           | 3879          | 0.8                    | 1.8                        | 19.0             | 2850            | 75                                             |
| 224                  | AMI 400L12L   | 10628         | 492                  | 92.8                 | 92.7               | 0.71                 | 0.65               | 66           | 3.9                    | 36           | 4343          | 0.8                    | 1.8                        | 20.4             | 2940            | 75                                             |
| 250                  | AMI 400L12L   | 10629         | 493                  | 92.8                 | 92.8               | 0.71                 | 0.65               | 73           | 3.8                    | 39           | 4842          | 0.7                    | 1.7                        | 22.2             | 3020            | 75                                             |
| 280                  | AMI 400L12L   | 10630         | 493                  | 93.1                 | 92.9               | 0.70                 | 0.63               | 83           | 4.1                    | 47           | 5422          | 0.8                    | 1.9                        | 24.7             | 3230            | 75                                             |
| 315                  | AMI 400L12L   | 10631         | 493                  | 93.1                 | 92.9               | 0.70                 | 0.64               | 93           | 4.0                    | 51           | 6103          | 0.8                    | 1.8                        | 26.2             | 3300            | 75                                             |
| 355                  | AMI 450L12L   | 10632         | 493                  | 94.2                 | 94.5               | 0.75                 | 0.70               | 96           | 4.1                    | 46           | 6878          | 0.7                    | 1.8                        | 37.7             | 3710            | 76                                             |
| 400                  | AMI 450L12L   | 10633         | 493                  | 94.2                 | 94.5               | 0.76                 | 0.71               | 108          | 4.0                    | 51           | 7752          | 0.7                    | 1.7                        | 40.4             | 3820            | 76                                             |
| 450                  | AMI 450L12L   | 10634         | 493                  | 94.3                 | 94.6               | 0.76                 | 0.71               | 121          | 4.0                    | 57           | 8720          | 0.7                    | 1.7                        | 43.0             | 3940            | 76                                             |
| 500                  | AMI 450L12L   | 10635         | 493                  | 94.4                 | 94.8               | 0.77                 | 0.72               | 133          | 4.0                    | 60           | 9691          | 0.7                    | 1.7                        | 48.4             | 4180            | 76                                             |
| 560                  | AMI 450L12L   | 10636         | 493                  | 94.6                 | 94.9               | 0.77                 | 0.72               | 148          | 4.0                    | 66           | 10851         | 0.7                    | 1.7                        | 53.8             | 4420            | 76                                             |
| 630                  | AMI 500L12L   | 10637         | 493                  | 94.7                 | 95.1               | 0.77                 | 0.73               | 165          | 4.0                    | 74           | 12198         | 0.6                    | 1.7                        | 67.3             | 4890            | 77                                             |
| 710                  | AMI 500L12L   | 10638         | 493                  | 94.8                 | 95.3               | 0.79                 | 0.75               | 183          | 3.9                    | 76           | 13752         | 0.6                    | 1.7                        | 76.2             | 5200            | 77                                             |
| 800                  | AMI 500L12L   | 10639         | 494                  | 95.1                 | 95.5               | 0.78                 | 0.74               | 207          | 4.1                    | 91           | 15479         | 0.6                    | 1.8                        | 85.2             | 5520            | 77                                             |
| 900                  | AMI 500L12L   | 10640         | 493                  | 95.2                 | 95.6               | 0.79                 | 0.75               | 231          | 4.0                    | 96           | 17421         | 0.6                    | 1.7                        | 94.2             | 5820            | 77                                             |
| 970                  | AMI 500L12L   | 10641         | 493                  | 95.1                 | 95.5               | 0.80                 | 0.76               | 246          | 4.1                    | 98           | 18794         | 0.6                    | 1.7                        | 102.5            | 6120            | 77                                             |
| 1120                 | AMI 560L12L B | 10642         | 493                  | 95.6                 | 96.1               | 0.81                 | 0.77               | 278          | 4.3                    | 111          | 21682         | 0.6                    | 2.0                        | 149.2            | 7170            | 74                                             |
| 1250                 | AMI 560L12L B | 10643         | 493                  | 95.7                 | 96.2               | 0.81                 | 0.77               | 311          | 4.4                    | 125          | 24196         | 0.6                    | 2.0                        | 157.2            | 7350            | 74                                             |
| 1400                 | AMI 560L12L B | 10644         | 493                  | 95.7                 | 96.2               | 0.82                 | 0.78               | 345          | 4.2                    | 130          | 27108         | 0.6                    | 1.9                        | 173.4            | 7730            | 74                                             |
| 1600                 | AMI 560L12L B | 10645         | 493                  | 95.8                 | 96.3               | 0.82                 | 0.79               | 391          | 4.3                    | 145          | 30971         | 0.6                    | 1.9                        | 197.7            | 8290            | 74                                             |
| 1800                 | AMI 560L12L B | 10646         | 494                  | 96.0                 | 96.5               | 0.81                 | 0.77               | 445          | 4.7                    | 181          | 34794         | 0.7                    | 2.1                        | 222.0            | 8860            | 74                                             |
| 2000                 | AMI 560L12L B | 10647         | 495                  | 96.2                 | 96.6               | 0.81                 | 0.78               | 492          | 4.5                    | 192          | 38614         | 0.7                    | 2.0                        | 247.7            | 9440            | 74                                             |
| 2240                 | AMI 630L12L B | 10648         | 495                  | 96.3                 | 96.8               | 0.84                 | 0.81               | 532          | 5.0                    | 182          | 43247         | 0.8                    | 2.2                        | 366.6            | 11280           | 74                                             |
| 2500                 | AMI 630L12L B | 10649         | 496                  | 96.6                 | 96.9               | 0.83                 | 0.79               | 601          | 5.4                    | 229          | 48171         | 0.8                    | 2.4                        | 412.9            | 12000           | 74                                             |
| 2800                 | AMI 630L12L B | 10650         | 495                  | 96.6                 | 96.9               | 0.83                 | 0.80               | 669          | 5.4                    | 250          | 53993         | 0.8                    | 2.4                        | 452.6            | 12710           | 74                                             |
| 3000                 | AMI 630L12L B | 10651         | 496                  | 96.7                 | 97.0               | 0.84                 | 0.81               | 714          | 5.2                    | 251          | 57762         | 0.8                    | 2.1                        | 499.9            | 13430           | 74                                             |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_S$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_S$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                |
| 3000 r/min = 2 poles |               |               |                      |                      |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 1500 r/min = 4 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 710                  | AMI 400L4L    | 10680         | 1484                 | 94.8                 | 95.3               | 0.88                 | 0.86               | 82                              | 4.6                                                  | 22                              | 4570                             | 0.6                                                  | 1.8                                                    | 14.1                           | 2790                        | 79                                                                |
| 800                  | AMI 400L4L    | 10681         | 1486                 | 95.2                 | 95.5               | 0.86                 | 0.84               | 94                              | 5.2                                                  | 30                              | 5142                             | 0.7                                                  | 2.1                                                    | 15.1                           | 2890                        | 79                                                                |
| 900                  | AMI 400L4L    | 10682         | 1486                 | 95.5                 | 95.9               | 0.86                 | 0.84               | 105                             | 5.4                                                  | 33                              | 5785                             | 0.7                                                  | 2.2                                                    | 16.1                           | 3010                        | 79                                                                |
| 1000                 | AMI 400L4L    | 10683         | 1486                 | 95.7                 | 96.0               | 0.86                 | 0.84               | 116                             | 5.5                                                  | 38                              | 6426                             | 0.8                                                  | 2.2                                                    | 17.1                           | 3110                        | 79                                                                |
| 1120                 | AMI 400L4L    | 10684         | 1486                 | 95.9                 | 96.2               | 0.88                 | 0.86               | 128                             | 5.6                                                  | 36                              | 7198                             | 0.8                                                  | 2.2                                                    | 19.2                           | 3310                        | 79                                                                |
| 1300                 | AMI 400L4L    | 10685         | 1486                 | 96.0                 | 96.3               | 0.87                 | 0.84               | 150                             | 5.8                                                  | 48                              | 8352                             | 0.8                                                  | 2.3                                                    | 20.2                           | 3410                        | 79                                                                |
| 1400                 | AMI 450L4L    | 10686         | 1486                 | 95.8                 | 96.1               | 0.89                 | 0.88               | 158                             | 4.8                                                  | 39                              | 8997                             | 0.5                                                  | 2.0                                                    | 29.4                           | 3940                        | 80                                                                |
| 1600                 | AMI 450L4L    | 10687         | 1487                 | 96.0                 | 96.3               | 0.88                 | 0.86               | 183                             | 5.0                                                  | 49                              | 10278                            | 0.6                                                  | 2.0                                                    | 31.1                           | 4080                        | 80                                                                |
| 1800                 | AMI 450L4L    | 10688         | 1487                 | 96.2                 | 96.5               | 0.88                 | 0.87               | 205                             | 5.3                                                  | 55                              | 11557                            | 0.6                                                  | 2.2                                                    | 34.6                           | 4330                        | 80                                                                |
| 2100                 | AMI 450L4L    | 10689         | 1488                 | 96.4                 | 96.7               | 0.87                 | 0.85               | 240                             | 5.7                                                  | 70                              | 13476                            | 0.7                                                  | 2.3                                                    | 38.1                           | 4580                        | 80                                                                |
| 2150                 | AMI 500L4L    | 10690         | 1489                 | 96.1                 | 96.4               | 0.89                 | 0.88               | 242                             | 5.1                                                  | 56                              | 13787                            | 0.5                                                  | 2.0                                                    | 53.8                           | 5220                        | 81                                                                |
| 2360                 | AMI 500L4L    | 10691         | 1490                 | 96.3                 | 96.6               | 0.89                 | 0.88               | 265                             | 5.3                                                  | 65                              | 15130                            | 0.6                                                  | 2.1                                                    | 56.8                           | 5390                        | 81                                                                |
| 2650                 | AMI 500L4L    | 10692         | 1489                 | 96.4                 | 96.7               | 0.90                 | 0.89               | 294                             | 5.2                                                  | 63                              | 16990                            | 0.6                                                  | 2.0                                                    | 62.9                           | 5740                        | 81                                                                |
| 2950                 | AMI 500L4L    | 10693         | 1491                 | 96.6                 | 96.9               | 0.89                 | 0.88               | 332                             | 5.0                                                  | 79                              | 18897                            | 0.6                                                  | 1.9                                                    | 66.9                           | 5920                        | 81                                                                |
| 3250                 | AMI 500L4L    | 10694         | 1491                 | 96.7                 | 97.0               | 0.89                 | 0.88               | 365                             | 5.6                                                  | 90                              | 20816                            | 0.7                                                  | 2.1                                                    | 72.3                           | 6230                        | 81                                                                |
| 3550                 | AMI 560L4L B  | 10695         | 1490                 | 96.6                 | 96.9               | 0.89                 | 0.88               | 397                             | 5.4                                                  | 87                              | 22753                            | 0.6                                                  | 2.3                                                    | 105.2                          | 7830                        | 83                                                                |
| 4000                 | AMI 560L4L B  | 10696         | 1489                 | 96.7                 | 97.0               | 0.90                 | 0.90               | 441                             | 5.2                                                  | 82                              | 25646                            | 0.6                                                  | 2.3                                                    | 114.5                          | 8240                        | 83                                                                |
| 4500                 | AMI 560L4L B  | 10697         | 1490                 | 96.9                 | 97.2               | 0.88                 | 0.87               | 506                             | 5.6                                                  | 117                             | 28833                            | 0.6                                                  | 2.5                                                    | 123.5                          | 8640                        | 83                                                                |
| 5000                 | AMI 560L4L B  | 10698         | 1491                 | 97.0                 | 97.3               | 0.88                 | 0.87               | 564                             | 5.5                                                  | 131                             | 32034                            | 0.6                                                  | 2.5                                                    | 132.4                          | 9040                        | 83                                                                |
| 5500                 | AMI 560L4L B  | 10699         | 1491                 | 97.1                 | 97.3               | 0.87                 | 0.86               | 627                             | 5.7                                                  | 157                             | 35227                            | 0.7                                                  | 2.6                                                    | 141.3                          | 9440                        | 83                                                                |
| 6300                 | AMI 630L4L B  | 10700         | 1491                 | 97.1                 | 97.4               | 0.89                 | 0.89               | 703                             | 4.9                                                  | 128                             | 40350                            | 0.5                                                  | 2.1                                                    | 207.7                          | 11710                       | 84                                                                |
| 7100                 | AMI 630L4L B  | 10701         | 1490                 | 97.2                 | 97.5               | 0.89                 | 0.89               | 792                             | 4.7                                                  | 136                             | 45499                            | 0.5                                                  | 2.0                                                    | 228.1                          | 12490                       | 84                                                                |
| 7800                 | AMI 630L4L B  | 10702         | 1492                 | 97.3                 | 97.6               | 0.89                 | 0.89               | 863                             | 5.1                                                  | 155                             | 49937                            | 0.6                                                  | 2.2                                                    | 252.4                          | 13220                       | 84                                                                |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current          |                        |                  | Torque            |                        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>$L_p$<br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|------------------|------------------------|------------------|-------------------|------------------------|----------------------------|--------------------------------|-----------------------------|------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br><br>(A) | $I_s$<br>$I_N$<br>(pu) | $I_0$<br><br>(A) | $T_N$<br><br>(Nm) | $T_s$<br>$T_N$<br>(pu) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                |
| 1000 r/min = 6 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                  |                        |                  |                   |                        |                            |                                |                             |                                                |
| 500                  | AMI 400L6L    | 10703         | 989                  | 94.8                 | 95.0               | 0.83                 | 0.79               | 61               | 5.4                    | 24               | 4827              | 0.9                    | 2.2                        | 16.7                           | 2820                        | 77                                             |
| 560                  | AMI 400L6L    | 10704         | 989                  | 94.8                 | 95.0               | 0.80                 | 0.75               | 71               | 5.5                    | 33               | 5405              | 0.9                    | 2.3                        | 16.7                           | 2820                        | 77                                             |
| 630                  | AMI 400L6L    | 10705         | 989                  | 95.0                 | 95.2               | 0.81                 | 0.76               | 79               | 5.4                    | 34               | 6082              | 0.9                    | 2.2                        | 18.0                           | 2920                        | 77                                             |
| 710                  | AMI 400L6L    | 10706         | 989                  | 95.1                 | 95.3               | 0.81                 | 0.77               | 88               | 5.4                    | 37               | 6855              | 0.9                    | 2.2                        | 19.2                           | 3010                        | 77                                             |
| 800                  | AMI 400L6L    | 10707         | 989                  | 95.2                 | 95.4               | 0.81                 | 0.76               | 100              | 5.4                    | 43               | 7723              | 0.9                    | 2.2                        | 20.4                           | 3110                        | 77                                             |
| 900                  | AMI 400L6L    | 10708         | 989                  | 95.3                 | 95.6               | 0.83                 | 0.79               | 110              | 5.4                    | 43               | 8689              | 0.9                    | 2.2                        | 22.8                           | 3290                        | 77                                             |
| 950                  | AMI 450L6L    | 10709         | 989                  | 95.4                 | 95.9               | 0.85                 | 0.83               | 113              | 4.8                    | 35               | 9169              | 0.6                    | 1.9                        | 33.3                           | 3720                        | 78                                             |
| 1060                 | AMI 450L6L    | 10710         | 990                  | 95.6                 | 96.0               | 0.85                 | 0.82               | 126              | 4.9                    | 40               | 10228             | 0.7                    | 1.9                        | 35.6                           | 3840                        | 78                                             |
| 1180                 | AMI 450L6L    | 10711         | 990                  | 95.8                 | 96.1               | 0.84                 | 0.81               | 141              | 5.1                    | 48               | 11380             | 0.7                    | 2.1                        | 37.8                           | 3970                        | 78                                             |
| 1320                 | AMI 450L6L    | 10712         | 990                  | 95.9                 | 96.3               | 0.85                 | 0.82               | 156              | 5.3                    | 50               | 12728             | 0.7                    | 2.1                        | 42.3                           | 4220                        | 78                                             |
| 1500                 | AMI 450L6L    | 10713         | 991                  | 96.1                 | 96.4               | 0.85                 | 0.82               | 178              | 5.5                    | 59               | 14457             | 0.8                    | 2.2                        | 46.8                           | 4460                        | 78                                             |
| 1600                 | AMI 500L6L    | 10714         | 992                  | 96.1                 | 96.5               | 0.88                 | 0.86               | 183              | 5.6                    | 54               | 15395             | 0.7                    | 2.1                        | 66.2                           | 5220                        | 79                                             |
| 1800                 | AMI 500L6L    | 10715         | 992                  | 96.1                 | 96.4               | 0.86                 | 0.84               | 209              | 5.8                    | 66               | 17324             | 0.9                    | 2.2                        | 69.3                           | 5340                        | 79                                             |
| 2000                 | AMI 500L6L    | 10716         | 992                  | 96.2                 | 96.5               | 0.86                 | 0.84               | 231              | 5.5                    | 72               | 19244             | 0.7                    | 2.1                        | 73.6                           | 5500                        | 79                                             |
| 2240                 | AMI 500L6L    | 10717         | 992                  | 96.4                 | 96.7               | 0.88                 | 0.87               | 255              | 5.1                    | 68               | 21560             | 0.7                    | 1.9                        | 84.4                           | 5970                        | 79                                             |
| 2450                 | AMI 500L6L    | 10718         | 993                  | 96.5                 | 96.8               | 0.86                 | 0.83               | 285              | 5.5                    | 92               | 23562             | 0.7                    | 2.1                        | 88.0                           | 6120                        | 79                                             |
| 2500                 | AMI 560L6L B  | 10719         | 991                  | 96.3                 | 96.7               | 0.87                 | 0.86               | 288              | 5.1                    | 75               | 24078             | 0.7                    | 2.1                        | 120.7                          | 7200                        | 80                                             |
| 2800                 | AMI 560L6L B  | 10720         | 992                  | 96.5                 | 96.8               | 0.86                 | 0.85               | 324              | 5.5                    | 92               | 26947             | 0.8                    | 2.4                        | 132.9                          | 7560                        | 80                                             |
| 3300                 | AMI 560L6L B  | 10721         | 993                  | 96.7                 | 97.0               | 0.87                 | 0.85               | 379              | 5.7                    | 104              | 31750             | 0.8                    | 2.4                        | 151.3                          | 8130                        | 80                                             |
| 3550                 | AMI 560L6L B  | 10722         | 993                  | 96.8                 | 97.1               | 0.86                 | 0.85               | 409              | 5.8                    | 114              | 34145             | 0.8                    | 2.5                        | 163.1                          | 8510                        | 80                                             |
| 4000                 | AMI 560L6L B  | 10723         | 993                  | 96.8                 | 97.1               | 0.87                 | 0.86               | 455              | 5.7                    | 122              | 38473             | 0.8                    | 2.4                        | 187.5                          | 9250                        | 80                                             |
| 4300                 | AMI 560L6L B  | 10724         | 993                  | 96.9                 | 97.2               | 0.86                 | 0.84               | 497              | 5.8                    | 147              | 41346             | 0.8                    | 2.5                        | 193.2                          | 9460                        | 80                                             |
| 4500                 | AMI 630L6L B  | 10725         | 992                  | 96.8                 | 97.2               | 0.88                 | 0.88               | 508              | 4.8                    | 105              | 43325             | 0.6                    | 2.1                        | 248.3                          | 11140                       | 81                                             |
| 5000                 | AMI 630L6L B  | 10726         | 993                  | 97.0                 | 97.3               | 0.88                 | 0.88               | 566              | 5.0                    | 125              | 48089             | 0.6                    | 2.1                        | 268.1                          | 11620                       | 81                                             |
| 5600                 | AMI 630L6L B  | 10727         | 994                  | 97.2                 | 97.4               | 0.87                 | 0.86               | 634              | 5.5                    | 158              | 53811             | 0.7                    | 2.3                        | 305.5                          | 12570                       | 81                                             |
| 6500                 | AMI 630L6L B  | 10728         | 994                  | 97.3                 | 97.5               | 0.87                 | 0.85               | 742              | 5.5                    | 203              | 62427             | 0.7                    | 2.4                        | 336.0                          | 13260                       | 81                                             |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)  | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                   |                                          |                           | Torque                     |                                          |                                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>L <sub>p</sub><br><br>(dB(A)) |
|---------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------|------------------------------------------|---------------------------|----------------------------|------------------------------------------|--------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------|
|                     |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | I <sub>N</sub><br><br>(A) | I <sub>s</sub><br>I <sub>N</sub><br>(pu) | I <sub>0</sub><br><br>(A) | T <sub>N</sub><br><br>(Nm) | T <sub>s</sub><br>T <sub>N</sub><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br>(pu) |                                |                             |                                                             |
| 750 r/min = 8 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |
| 315                 | AMI 400L8L    | 10729         | 742                  | 94.3                 | 94.6               | 0.81                 | 0.76               | 40                        | 5.2                                      | 17                        | 4054                       | 0.8                                      | 2.1                                        | 17.8                           | 2710                        | 75                                                          |
| 355                 | AMI 400L8L    | 10730         | 741                  | 94.4                 | 94.8               | 0.83                 | 0.79               | 44                        | 4.9                                      | 17                        | 4572                       | 0.8                                      | 1.9                                        | 19.3                           | 2800                        | 75                                                          |
| 400                 | AMI 400L8L    | 10731         | 742                  | 94.5                 | 94.8               | 0.81                 | 0.76               | 50                        | 5.1                                      | 22                        | 5150                       | 0.8                                      | 2.0                                        | 19.3                           | 2810                        | 75                                                          |
| 450                 | AMI 400L8L    | 10732         | 741                  | 94.6                 | 95.0               | 0.82                 | 0.78               | 56                        | 5.0                                      | 23                        | 5796                       | 0.8                                      | 2.0                                        | 20.7                           | 2900                        | 75                                                          |
| 500                 | AMI 400L8L    | 10733         | 741                  | 94.7                 | 95.1               | 0.82                 | 0.78               | 62                        | 5.0                                      | 25                        | 6440                       | 0.8                                      | 2.0                                        | 22.2                           | 2990                        | 75                                                          |
| 600                 | AMI 400L8L    | 10734         | 740                  | 94.7                 | 95.3               | 0.84                 | 0.82               | 73                        | 4.5                                      | 25                        | 7740                       | 0.7                                      | 1.7                                        | 25.1                           | 3180                        | 75                                                          |
| 630                 | AMI 450L8L    | 10735         | 739                  | 94.8                 | 95.3               | 0.85                 | 0.83               | 75                        | 4.6                                      | 25                        | 8137                       | 0.7                                      | 1.8                                        | 37.5                           | 3670                        | 76                                                          |
| 710                 | AMI 450L8L    | 10736         | 741                  | 95.1                 | 95.4               | 0.82                 | 0.78               | 87                        | 5.1                                      | 36                        | 9148                       | 0.8                                      | 2.1                                        | 37.7                           | 3680                        | 76                                                          |
| 800                 | AMI 450L8L    | 10737         | 742                  | 95.3                 | 95.6               | 0.81                 | 0.76               | 100                       | 5.1                                      | 43                        | 10292                      | 0.8                                      | 2.1                                        | 40.7                           | 3800                        | 76                                                          |
| 900                 | AMI 450L8L    | 10738         | 741                  | 95.4                 | 95.7               | 0.83                 | 0.79               | 109                       | 5.2                                      | 43                        | 11592                      | 0.8                                      | 2.1                                        | 45.8                           | 4040                        | 76                                                          |
| 1050                | AMI 450L8L    | 10739         | 741                  | 95.4                 | 95.9               | 0.85                 | 0.83               | 125                       | 4.8                                      | 40                        | 13532                      | 0.8                                      | 1.9                                        | 53.9                           | 4400                        | 76                                                          |
| 1120                | AMI 500L8L    | 10740         | 743                  | 95.5                 | 95.7               | 0.83                 | 0.80               | 136                       | 5.2                                      | 51                        | 14397                      | 0.7                                      | 2.1                                        | 71.7                           | 5010                        | 77                                                          |
| 1250                | AMI 500L8L    | 10741         | 742                  | 95.5                 | 95.9               | 0.86                 | 0.84               | 147                       | 4.8                                      | 45                        | 16081                      | 0.6                                      | 1.8                                        | 80.6                           | 5310                        | 77                                                          |
| 1400                | AMI 500L8L    | 10742         | 743                  | 95.7                 | 96.0               | 0.85                 | 0.82               | 166                       | 5.3                                      | 57                        | 17992                      | 0.7                                      | 2.1                                        | 89.5                           | 5610                        | 77                                                          |
| 1650                | AMI 500L8L    | 10743         | 745                  | 96.1                 | 96.2               | 0.83                 | 0.80               | 199                       | 5.5                                      | 74                        | 21159                      | 0.8                                      | 2.1                                        | 104.5                          | 6090                        | 77                                                          |
| 1800                | AMI 560L8L B  | 10744         | 744                  | 96.2                 | 96.5               | 0.83                 | 0.81               | 218                       | 4.6                                      | 70                        | 23103                      | 0.6                                      | 1.9                                        | 134.6                          | 7180                        | 76                                                          |
| 2000                | AMI 560L8L B  | 10745         | 744                  | 96.3                 | 96.6               | 0.83                 | 0.80               | 242                       | 4.9                                      | 81                        | 25656                      | 0.7                                      | 2.0                                        | 148.9                          | 7540                        | 76                                                          |
| 2240                | AMI 560L8L B  | 10746         | 744                  | 96.4                 | 96.7               | 0.83                 | 0.82               | 268                       | 4.8                                      | 84                        | 28737                      | 0.7                                      | 1.9                                        | 163.1                          | 7930                        | 76                                                          |
| 2500                | AMI 560L8L B  | 10747         | 744                  | 96.5                 | 96.8               | 0.83                 | 0.82               | 298                       | 4.9                                      | 93                        | 32068                      | 0.7                                      | 1.9                                        | 177.4                          | 8310                        | 76                                                          |
| 2800                | AMI 560L8L B  | 10748         | 745                  | 96.6                 | 96.8               | 0.84                 | 0.82               | 333                       | 5.1                                      | 106                       | 35902                      | 0.7                                      | 2.0                                        | 198.7                          | 8850                        | 76                                                          |
| 3150                | AMI 560L8L B  | 10749         | 745                  | 96.7                 | 96.9               | 0.83                 | 0.80               | 377                       | 5.4                                      | 129                       | 40370                      | 0.8                                      | 2.1                                        | 220.1                          | 9430                        | 76                                                          |
| 3550                | AMI 630L8L B  | 10750         | 745                  | 96.8                 | 97.1               | 0.85                 | 0.85               | 414                       | 5.0                                      | 110                       | 45492                      | 0.6                                      | 1.9                                        | 343.7                          | 11750                       | 77                                                          |
| 3900                | AMI 630L8L B  | 10751         | 745                  | 96.8                 | 97.0               | 0.85                 | 0.84               | 459                       | 5.0                                      | 125                       | 50005                      | 0.7                                      | 1.9                                        | 353.3                          | 11980                       | 77                                                          |
| 4500                | AMI 630L8L B  | 10752         | 745                  | 97.0                 | 97.2               | 0.86                 | 0.85               | 521                       | 5.0                                      | 132                       | 57654                      | 0.7                                      | 1.9                                        | 429.1                          | 13440                       | 77                                                          |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 600 r/min = 10 poles |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 6000 V 50 Hz         |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 224                  | AMI 400L10L   | 12299         | 592                  | 92.7                 | 92.6               | 0.66                 | 0.59               | 35                              | 3.7                                                  | 22                              | 3615                             | 0.6                                                  | 1.8                                                    | 13.9                           | 2750                        | 75                                                                |
| 250                  | AMI 400L10L   | 10753         | 591                  | 93.0                 | 93.2               | 0.71                 | 0.65               | 36                              | 3.6                                                  | 20                              | 4041                             | 0.6                                                  | 1.7                                                    | 14.6                           | 2850                        | 75                                                                |
| 280                  | AMI 400L10L   | 10754         | 591                  | 93.2                 | 93.4               | 0.74                 | 0.68               | 39                              | 4.0                                                  | 20                              | 4521                             | 0.7                                                  | 1.8                                                    | 18.0                           | 2890                        | 75                                                                |
| 315                  | AMI 400L10L   | 10755         | 591                  | 93.3                 | 93.6               | 0.76                 | 0.71               | 43                              | 3.8                                                  | 20                              | 5092                             | 0.6                                                  | 1.7                                                    | 19.2                           | 2980                        | 75                                                                |
| 355                  | AMI 400L10L   | 10756         | 593                  | 93.6                 | 93.8               | 0.75                 | 0.70               | 48                              | 4.3                                                  | 23                              | 5721                             | 0.7                                                  | 1.8                                                    | 23.5                           | 3080                        | 75                                                                |
| 400                  | AMI 400L10L   | 10757         | 592                  | 93.6                 | 94.0               | 0.76                 | 0.72               | 54                              | 4.1                                                  | 25                              | 6451                             | 0.7                                                  | 1.7                                                    | 24.9                           | 3170                        | 75                                                                |
| 450                  | AMI 450L10L   | 10758         | 591                  | 94.0                 | 94.6               | 0.83                 | 0.80               | 56                              | 4.2                                                  | 20                              | 7269                             | 0.7                                                  | 1.7                                                    | 37.8                           | 3650                        | 76                                                                |
| 500                  | AMI 450L10L   | 10759         | 591                  | 94.2                 | 94.8               | 0.83                 | 0.80               | 62                              | 4.2                                                  | 22                              | 8075                             | 0.7                                                  | 1.7                                                    | 40.5                           | 3770                        | 76                                                                |
| 560                  | AMI 450L10L   | 10760         | 591                  | 94.2                 | 94.8               | 0.82                 | 0.79               | 70                              | 4.3                                                  | 25                              | 9051                             | 0.8                                                  | 1.7                                                    | 43.0                           | 3890                        | 76                                                                |
| 650                  | AMI 450L10L   | 10761         | 592                  | 94.5                 | 95.0               | 0.82                 | 0.78               | 81                              | 4.5                                                  | 32                              | 10487                            | 0.8                                                  | 1.8                                                    | 45.9                           | 4010                        | 76                                                                |
| 740                  | AMI 450L10L   | 10762         | 592                  | 94.7                 | 95.2               | 0.82                 | 0.78               | 92                              | 4.6                                                  | 37                              | 11935                            | 0.8                                                  | 1.8                                                    | 51.3                           | 4250                        | 76                                                                |
| 800                  | AMI 500L10L   | 10763         | 593                  | 95.1                 | 95.6               | 0.84                 | 0.81               | 97                              | 4.5                                                  | 35                              | 12892                            | 0.6                                                  | 1.8                                                    | 71.9                           | 5020                        | 77                                                                |
| 900                  | AMI 500L10L   | 10764         | 594                  | 95.4                 | 95.8               | 0.82                 | 0.79               | 110                             | 4.9                                                  | 43                              | 14477                            | 0.7                                                  | 2.0                                                    | 76.8                           | 5180                        | 77                                                                |
| 1000                 | AMI 500L10L   | 10765         | 593                  | 95.2                 | 95.7               | 0.84                 | 0.81               | 120                             | 4.6                                                  | 43                              | 16110                            | 0.7                                                  | 1.9                                                    | 85.3                           | 5430                        | 77                                                                |
| 1120                 | AMI 500L10L   | 10766         | 593                  | 95.5                 | 95.9               | 0.84                 | 0.81               | 135                             | 4.6                                                  | 46                              | 18031                            | 0.7                                                  | 1.8                                                    | 90.3                           | 5620                        | 77                                                                |
| 1250                 | AMI 500L10L   | 10767         | 594                  | 95.7                 | 96.0               | 0.83                 | 0.79               | 151                             | 5.2                                                  | 58                              | 20095                            | 0.8                                                  | 2.0                                                    | 103.8                          | 6040                        | 77                                                                |
| 1400                 | AMI 560L10L B | 10768         | 592                  | 95.5                 | 96.0               | 0.85                 | 0.83               | 165                             | 4.7                                                  | 52                              | 22583                            | 0.7                                                  | 2.1                                                    | 148.8                          | 7100                        | 75                                                                |
| 1600                 | AMI 560L10L B | 10769         | 593                  | 95.8                 | 96.2               | 0.85                 | 0.83               | 188                             | 5.1                                                  | 61                              | 25780                            | 0.8                                                  | 2.3                                                    | 172.8                          | 7660                        | 75                                                                |
| 1800                 | AMI 560L10L B | 10770         | 593                  | 95.8                 | 96.3               | 0.86                 | 0.83               | 211                             | 5.1                                                  | 67                              | 29001                            | 0.8                                                  | 2.2                                                    | 188.8                          | 8040                        | 75                                                                |
| 2000                 | AMI 560L10L B | 10771         | 593                  | 96.0                 | 96.4               | 0.86                 | 0.84               | 233                             | 5.0                                                  | 69                              | 32197                            | 0.8                                                  | 2.1                                                    | 213.3                          | 8610                        | 75                                                                |
| 2240                 | AMI 560L10L B | 10772         | 594                  | 96.2                 | 96.5               | 0.85                 | 0.83               | 263                             | 5.4                                                  | 87                              | 36026                            | 0.9                                                  | 2.3                                                    | 229.4                          | 8990                        | 75                                                                |
| 2400                 | AMI 560L10L B | 10773         | 595                  | 96.4                 | 96.6               | 0.84                 | 0.81               | 286                             | 5.6                                                  | 104                             | 38491                            | 0.9                                                  | 2.3                                                    | 248.3                          | 9320                        | 75                                                                |
| 2500                 | AMI 630L10L B | 10774         | 594                  | 96.3                 | 96.7               | 0.86                 | 0.84               | 291                             | 5.0                                                  | 83                              | 40177                            | 0.8                                                  | 2.0                                                    | 338.3                          | 10770                       | 75                                                                |
| 2800                 | AMI 630L10L B | 10775         | 594                  | 96.4                 | 96.8               | 0.86                 | 0.85               | 325                             | 5.2                                                  | 92                              | 44981                            | 0.8                                                  | 2.0                                                    | 381.2                          | 11490                       | 75                                                                |
| 3150                 | AMI 630L10L B | 10776         | 596                  | 96.7                 | 97.0               | 0.85                 | 0.83               | 369                             | 5.5                                                  | 118                             | 50479                            | 0.8                                                  | 2.1                                                    | 428.1                          | 12170                       | 75                                                                |
| 3350                 | AMI 630L10L B | 10777         | 597                  | 96.8                 | 97.0               | 0.85                 | 0.83               | 393                             | 5.5                                                  | 127                             | 53628                            | 0.8                                                  | 2.2                                                    | 464.5                          | 12670                       | 75                                                                |
| 3700                 | AMI 630L10L B | 10778         | 597                  | 96.9                 | 97.1               | 0.85                 | 0.82               | 435                             | 5.7                                                  | 145                             | 59216                            | 0.8                                                  | 2.2                                                    | 508.6                          | 13420                       | 75                                                                |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                   |                                              |                           | Torque                     |                                              |                                                | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>L <sub>p</sub><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------|----------------------------------------------|---------------------------|----------------------------|----------------------------------------------|------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | I <sub>N</sub><br><br>(A) | I <sub>S</sub><br>I <sub>N</sub><br><br>(pu) | I <sub>0</sub><br><br>(A) | T <sub>N</sub><br><br>(Nm) | T <sub>S</sub><br>T <sub>N</sub><br><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br><br>(pu) |                                |                             |                                                             |
| 500 r/min = 12 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                           |                                              |                           |                            |                                              |                                                |                                |                             |                                                             |
| 180                  | AMI 400L12L   | 10779         | 494                  | 91.5                 | 91.0               | 0.65                 | 0.57               | 29                        | 3.9                                          | 19                        | 3483                       | 0.8                                          | 2.0                                            | 16.7                           | 2790                        | 75                                                          |
| 200                  | AMI 400L12L   | 10780         | 492                  | 91.7                 | 91.5               | 0.68                 | 0.62               | 31                        | 3.7                                          | 18                        | 3879                       | 0.7                                          | 1.7                                            | 17.9                           | 2880                        | 75                                                          |
| 224                  | AMI 400L12L   | 10781         | 492                  | 91.8                 | 91.8               | 0.70                 | 0.64               | 33                        | 3.5                                          | 18                        | 4350                       | 0.7                                          | 1.6                                            | 19.1                           | 2980                        | 75                                                          |
| 250                  | AMI 400L12L   | 10782         | 492                  | 92.0                 | 92.1               | 0.73                 | 0.67               | 36                        | 3.8                                          | 19                        | 4850                       | 0.7                                          | 1.7                                            | 23.3                           | 3060                        | 75                                                          |
| 280                  | AMI 400L12L   | 10783         | 492                  | 92.1                 | 92.3               | 0.73                 | 0.68               | 40                        | 3.6                                          | 20                        | 5436                       | 0.7                                          | 1.6                                            | 24.7                           | 3150                        | 75                                                          |
| 315                  | AMI 450L12L   | 10784         | 493                  | 93.4                 | 93.7               | 0.75                 | 0.69               | 43                        | 4.1                                          | 22                        | 6101                       | 0.7                                          | 1.8                                            | 35.0                           | 3530                        | 76                                                          |
| 355                  | AMI 450L12L   | 10785         | 493                  | 93.4                 | 93.8               | 0.76                 | 0.71               | 48                        | 4.0                                          | 23                        | 6879                       | 0.7                                          | 1.7                                            | 37.7                           | 3640                        | 76                                                          |
| 400                  | AMI 450L12L   | 10786         | 494                  | 93.7                 | 94.1               | 0.75                 | 0.69               | 55                        | 4.0                                          | 27                        | 7737                       | 0.7                                          | 1.8                                            | 40.8                           | 3770                        | 76                                                          |
| 450                  | AMI 450L12L   | 10787         | 493                  | 93.9                 | 94.4               | 0.77                 | 0.73               | 60                        | 3.9                                          | 27                        | 8711                       | 0.6                                          | 1.7                                            | 46.3                           | 4010                        | 76                                                          |
| 500                  | AMI 450L12L   | 10788         | 493                  | 93.7                 | 94.1               | 0.77                 | 0.72               | 67                        | 4.1                                          | 31                        | 9683                       | 0.7                                          | 1.7                                            | 51.1                           | 4200                        | 76                                                          |
| 560                  | AMI 500L12L   | 10789         | 492                  | 94.3                 | 94.8               | 0.79                 | 0.76               | 72                        | 3.9                                          | 29                        | 10859                      | 0.6                                          | 1.7                                            | 66.8                           | 4850                        | 77                                                          |
| 630                  | AMI 500L12L   | 10790         | 493                  | 94.5                 | 94.9               | 0.79                 | 0.75               | 81                        | 4.0                                          | 34                        | 12210                      | 0.6                                          | 1.7                                            | 71.2                           | 5000                        | 77                                                          |
| 710                  | AMI 500L12L   | 10791         | 493                  | 94.6                 | 95.1               | 0.80                 | 0.76               | 91                        | 4.0                                          | 37                        | 13761                      | 0.6                                          | 1.7                                            | 80.1                           | 5300                        | 77                                                          |
| 800                  | AMI 500L12L   | 10792         | 493                  | 94.8                 | 95.2               | 0.79                 | 0.75               | 102                       | 4.2                                          | 43                        | 15495                      | 0.6                                          | 1.7                                            | 89.1                           | 5600                        | 77                                                          |
| 930                  | AMI 500L12L   | 10793         | 493                  | 95.0                 | 95.3               | 0.79                 | 0.76               | 118                       | 4.2                                          | 49                        | 18007                      | 0.7                                          | 1.7                                            | 102.5                          | 6040                        | 77                                                          |
| 1000                 | AMI 560L12L B | 10794         | 493                  | 95.1                 | 95.7               | 0.82                 | 0.79               | 123                       | 4.3                                          | 47                        | 19358                      | 0.6                                          | 2.0                                            | 149.2                          | 7040                        | 74                                                          |
| 1120                 | AMI 560L12L B | 10795         | 494                  | 95.3                 | 95.8               | 0.81                 | 0.77               | 139                       | 4.5                                          | 57                        | 21664                      | 0.6                                          | 2.1                                            | 157.2                          | 7230                        | 74                                                          |
| 1250                 | AMI 560L12L B | 10796         | 493                  | 95.4                 | 95.9               | 0.82                 | 0.78               | 154                       | 4.5                                          | 60                        | 24204                      | 0.7                                          | 2.0                                            | 172.0                          | 7620                        | 74                                                          |
| 1400                 | AMI 560L12L B | 10797         | 493                  | 95.6                 | 96.0               | 0.82                 | 0.78               | 172                       | 4.7                                          | 67                        | 27091                      | 0.7                                          | 2.1                                            | 196.4                          | 8160                        | 74                                                          |
| 1600                 | AMI 560L12L B | 10798         | 494                  | 95.7                 | 96.1               | 0.82                 | 0.78               | 196                       | 4.8                                          | 78                        | 30945                      | 0.8                                          | 2.2                                            | 220.6                          | 8700                        | 74                                                          |
| 1800                 | AMI 560L12L B | 10799         | 495                  | 96.0                 | 96.4               | 0.82                 | 0.78               | 221                       | 4.8                                          | 86                        | 34756                      | 0.8                                          | 2.0                                            | 246.3                          | 9300                        | 74                                                          |
| 2000                 | AMI 630L12L B | 10800         | 495                  | 96.2                 | 96.6               | 0.83                 | 0.80               | 241                       | 4.8                                          | 85                        | 38551                      | 0.7                                          | 2.0                                            | 326.1                          | 10470                       | 74                                                          |
| 2240                 | AMI 630L12L B | 10801         | 495                  | 96.3                 | 96.7               | 0.84                 | 0.82               | 266                       | 4.7                                          | 85                        | 43180                      | 0.7                                          | 1.9                                            | 384.0                          | 11410                       | 74                                                          |
| 2500                 | AMI 630L12L B | 10802         | 496                  | 96.4                 | 96.8               | 0.84                 | 0.82               | 296                       | 4.9                                          | 97                        | 48162                      | 0.7                                          | 2.0                                            | 441.9                          | 12340                       | 74                                                          |
| 2800                 | AMI 630L12L B | 10803         | 496                  | 96.5                 | 96.8               | 0.84                 | 0.81               | 334                       | 5.4                                          | 118                       | 53935                      | 0.9                                          | 2.1                                            | 496.5                          | 13250                       | 74                                                          |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
10000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 3000 r/min = 2 poles |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 10000 V 50 Hz        |               |               |                      |                      |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 630                  | AMI 450L2L    | 10804         | 2974                 | 94.4                 | 94.5               | 0.87                 | 0.85               | 44                              | 5.1                                                  | 13                              | 2023                             | 0.5                                                  | 2.2                                                    | 10.3                           | 3520                        | 83                                                                |
| 710                  | AMI 450L2L    | 10805         | 2976                 | 94.6                 | 94.7               | 0.86                 | 0.83               | 50                              | 5.0                                                  | 16                              | 2279                             | 0.5                                                  | 2.2                                                    | 10.2                           | 3520                        | 83                                                                |
| 800                  | AMI 450L2L    | 10806         | 2977                 | 95.0                 | 95.1               | 0.86                 | 0.83               | 56                              | 5.4                                                  | 18                              | 2566                             | 0.5                                                  | 2.3                                                    | 11.0                           | 3670                        | 83                                                                |
| 900                  | AMI 450L2L    | 10807         | 2976                 | 95.2                 | 95.3               | 0.87                 | 0.84               | 63                              | 5.3                                                  | 19                              | 2888                             | 0.6                                                  | 2.3                                                    | 11.5                           | 3760                        | 83                                                                |
| 1000                 | AMI 450L2L    | 10808         | 2978                 | 95.4                 | 95.6               | 0.88                 | 0.85               | 69                              | 5.3                                                  | 20                              | 3207                             | 0.5                                                  | 2.3                                                    | 12.1                           | 3890                        | 83                                                                |
| 1120                 | AMI 450L2L    | 10809         | 2978                 | 95.5                 | 95.7               | 0.88                 | 0.86               | 77                              | 5.3                                                  | 22                              | 3592                             | 0.5                                                  | 2.3                                                    | 12.6                           | 3990                        | 83                                                                |
| 1250                 | AMI 450L2L    | 10810         | 2979                 | 96.0                 | 96.2               | 0.88                 | 0.86               | 85                              | 5.5                                                  | 23                              | 4007                             | 0.6                                                  | 2.4                                                    | 12.5                           | 4050                        | 83                                                                |
| 1500                 | AMI 450L2L    | 10811         | 2981                 | 96.3                 | 96.4               | 0.88                 | 0.85               | 103                             | 5.8                                                  | 30                              | 4805                             | 0.6                                                  | 2.5                                                    | 13.4                           | 4270                        | 83                                                                |
| 1530                 | AMI 450L2L    | 10812         | 2988                 | 96.6                 | 96.6               | 0.88                 | 0.86               | 104                             | 5.8                                                  | 29                              | 4889                             | 0.4                                                  | 2.4                                                    | 18.1                           | 4420                        | 83                                                                |
| 1600                 | AMI 500L2L    | 10813         | 2979                 | 96.0                 | 96.2               | 0.88                 | 0.87               | 109                             | 4.8                                                  | 28                              | 5129                             | 0.4                                                  | 2.1                                                    | 17.4                           | 4690                        | 84                                                                |
| 1800                 | AMI 500L2L    | 10814         | 2981                 | 96.3                 | 96.5               | 0.89                 | 0.87               | 122                             | 4.9                                                  | 31                              | 5766                             | 0.4                                                  | 2.1                                                    | 18.5                           | 4870                        | 84                                                                |
| 2000                 | AMI 500L2L    | 10815         | 2982                 | 96.5                 | 96.6               | 0.89                 | 0.87               | 135                             | 5.1                                                  | 35                              | 6405                             | 0.5                                                  | 2.2                                                    | 19.8                           | 5060                        | 84                                                                |
| 2240                 | AMI 500L2L    | 10816         | 2982                 | 96.6                 | 96.8               | 0.89                 | 0.88               | 150                             | 5.3                                                  | 38                              | 7172                             | 0.5                                                  | 2.3                                                    | 21.7                           | 5340                        | 84                                                                |
| 2500                 | AMI 500L2L    | 10817         | 2983                 | 96.8                 | 97.0               | 0.90                 | 0.88               | 166                             | 5.7                                                  | 43                              | 8002                             | 0.5                                                  | 2.4                                                    | 24.0                           | 5660                        | 84                                                                |
| 2550                 | AMI 500L2L    | 10818         | 2988                 | 97.0                 | 97.1               | 0.90                 | 0.88               | 169                             | 5.7                                                  | 42                              | 8149                             | 0.4                                                  | 2.3                                                    | 32.6                           | 5860                        | 84                                                                |
| 2800                 | AMI 560L2L B  | 10819         | 2975                 | 96.4                 | 96.7               | 0.90                 | 0.90               | 186                             | 4.6                                                  | 36                              | 8987                             | 0.4                                                  | 2.3                                                    | 36.1                           | 7490                        | 87                                                                |
| 3250                 | AMI 560L2L B  | 10820         | 2978                 | 96.7                 | 96.9               | 0.90                 | 0.90               | 215                             | 4.9                                                  | 43                              | 10421                            | 0.4                                                  | 2.4                                                    | 39.3                           | 7900                        | 87                                                                |
| 3700                 | AMI 560L2L B  | 10821         | 2980                 | 96.9                 | 97.1               | 0.91                 | 0.90               | 243                             | 5.3                                                  | 48                              | 11856                            | 0.4                                                  | 2.5                                                    | 42.6                           | 8340                        | 87                                                                |
| 4100                 | AMI 560L2L B  | 10822         | 2980                 | 97.0                 | 97.2               | 0.91                 | 0.91               | 267                             | 5.5                                                  | 50                              | 13137                            | 0.5                                                  | 2.6                                                    | 46.3                           | 8760                        | 87                                                                |
| 4600                 | AMI 560L2L B  | 10823         | 2982                 | 97.2                 | 97.4               | 0.92                 | 0.91               | 299                             | 5.6                                                  | 58                              | 14731                            | 0.5                                                  | 2.7                                                    | 49.5                           | 9170                        | 87                                                                |
| 5000                 | AMI 560L2L B  | 10824         | 2987                 | 97.4                 | 97.6               | 0.91                 | 0.91               | 325                             | 5.2                                                  | 58                              | 15984                            | 0.4                                                  | 2.4                                                    | 66.5                           | 9480                        | 87                                                                |
| 5200                 | AMI 630L2L B  | 10825         | 2985                 | 96.9                 | 96.9               | 0.91                 | 0.90               | 342                             | 5.6                                                  | 63                              | 16637                            | 0.5                                                  | 2.7                                                    | 85.9                           | 10890                       | 88                                                                |
| 5800                 | AMI 630L2L B  | 10826         | 2985                 | 97.0                 | 97.1               | 0.91                 | 0.91               | 379                             | 5.7                                                  | 66                              | 18558                            | 0.5                                                  | 2.7                                                    | 92.4                           | 11440                       | 88                                                                |
| 6500                 | AMI 630L2L B  | 10827         | 2984                 | 97.1                 | 97.2               | 0.91                 | 0.90               | 427                             | 5.9                                                  | 79                              | 20802                            | 0.5                                                  | 2.8                                                    | 103.4                          | 12220                       | 88                                                                |
| 7100                 | AMI 630L2L B  | 10828         | 2989                 | 97.3                 | 97.4               | 0.92                 | 0.92               | 459                             | 5.8                                                  | 76                              | 22687                            | 0.4                                                  | 2.7                                                    | 134.8                          | 12630                       | 88                                                                |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
10000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|---------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                               |
| 1500 r/min = 4 poles |               |               |                      | 10000 V 50 Hz        |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                               |
| 900                  | AMI 450L4L    | 10829         | 1487                 | 95.4                 | 95.4               | 0.84                 | 0.80               | 65                              | 6.0                                                  | 25                              | 5778                             | 0.7                                                  | 2.6                                                    | 22.3                           | 3740                        | 80                                                            |
| 1000                 | AMI 450L4L    | 10830         | 1486                 | 95.3                 | 95.5               | 0.85                 | 0.82               | 71                              | 5.4                                                  | 25                              | 6427                             | 0.7                                                  | 2.3                                                    | 22.3                           | 3740                        | 80                                                            |
| 1120                 | AMI 450L4L    | 10831         | 1485                 | 95.3                 | 95.6               | 0.86                 | 0.83               | 79                              | 4.9                                                  | 26                              | 7201                             | 0.5                                                  | 2.1                                                    | 22.5                           | 3740                        | 80                                                            |
| 1250                 | AMI 450L4L    | 10832         | 1485                 | 95.4                 | 95.8               | 0.87                 | 0.85               | 87                              | 4.8                                                  | 26                              | 8040                             | 0.5                                                  | 2.0                                                    | 23.8                           | 3870                        | 80                                                            |
| 1400                 | AMI 450L4L    | 10833         | 1484                 | 95.5                 | 95.9               | 0.87                 | 0.86               | 97                              | 4.7                                                  | 27                              | 9008                             | 0.5                                                  | 2.0                                                    | 25.2                           | 3990                        | 80                                                            |
| 1600                 | AMI 450L4L    | 10834         | 1485                 | 95.8                 | 96.1               | 0.87                 | 0.85               | 110                             | 5.1                                                  | 33                              | 10286                            | 0.6                                                  | 2.1                                                    | 27.9                           | 4250                        | 80                                                            |
| 1800                 | AMI 500L4L    | 10835         | 1488                 | 95.7                 | 96.0               | 0.90                 | 0.89               | 120                             | 5.3                                                  | 28                              | 11553                            | 0.6                                                  | 2.1                                                    | 55.5                           | 5300                        | 81                                                            |
| 2100                 | AMI 500L4L    | 10836         | 1490                 | 96.0                 | 96.2               | 0.89                 | 0.88               | 142                             | 5.4                                                  | 35                              | 13461                            | 0.6                                                  | 2.1                                                    | 59.3                           | 5470                        | 81                                                            |
| 2400                 | AMI 500L4L    | 10837         | 1492                 | 96.3                 | 96.5               | 0.89                 | 0.88               | 162                             | 5.6                                                  | 41                              | 15365                            | 0.6                                                  | 2.1                                                    | 66.4                           | 5800                        | 81                                                            |
| 2800                 | AMI 560L4L B  | 10838         | 1490                 | 96.4                 | 96.6               | 0.89                 | 0.88               | 189                             | 5.3                                                  | 42                              | 17947                            | 0.6                                                  | 2.3                                                    | 99.9                           | 7600                        | 83                                                            |
| 3150                 | AMI 560L4L B  | 10839         | 1491                 | 96.6                 | 96.8               | 0.89                 | 0.88               | 212                             | 5.6                                                  | 50                              | 20181                            | 0.6                                                  | 2.5                                                    | 109.1                          | 8000                        | 83                                                            |
| 3550                 | AMI 560L4L B  | 10840         | 1491                 | 96.7                 | 96.9               | 0.88                 | 0.87               | 241                             | 5.8                                                  | 60                              | 22737                            | 0.6                                                  | 2.5                                                    | 117.8                          | 8340                        | 83                                                            |
| 4000                 | AMI 560L4L B  | 10841         | 1491                 | 96.8                 | 97.0               | 0.88                 | 0.87               | 270                             | 5.7                                                  | 63                              | 25621                            | 0.6                                                  | 2.5                                                    | 127.1                          | 8740                        | 83                                                            |
| 4500                 | AMI 560L4L B  | 10842         | 1492                 | 97.0                 | 97.2               | 0.86                 | 0.84               | 311                             | 5.7                                                  | 85                              | 28794                            | 0.6                                                  | 2.5                                                    | 137.9                          | 9140                        | 83                                                            |
| 5000                 | AMI 630L4L B  | 10843         | 1491                 | 96.8                 | 97.0               | 0.89                 | 0.88               | 337                             | 5.3                                                  | 72                              | 32029                            | 0.6                                                  | 2.3                                                    | 189.9                          | 10990                       | 84                                                            |
| 5500                 | AMI 630L4L B  | 10844         | 1491                 | 97.0                 | 97.2               | 0.89                 | 0.88               | 369                             | 5.4                                                  | 78                              | 35225                            | 0.6                                                  | 2.4                                                    | 204.6                          | 11500                       | 84                                                            |
| 6000                 | AMI 630L4L B  | 10845         | 1491                 | 97.1                 | 97.3               | 0.89                 | 0.89               | 400                             | 5.5                                                  | 81                              | 38426                            | 0.6                                                  | 2.4                                                    | 219.4                          | 12020                       | 84                                                            |
| 6700                 | AMI 630L4L B  | 10846         | 1491                 | 97.2                 | 97.4               | 0.90                 | 0.89               | 444                             | 5.7                                                  | 90                              | 42898                            | 0.7                                                  | 2.5                                                    | 241.5                          | 12770                       | 84                                                            |

# Modular induction motors, type AMI

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
10000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                                      |                                 | Torque                           |                                                      |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|------------------------------------------------------|---------------------------------|----------------------------------|------------------------------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>s</sub></i><br><i>I<sub>N</sub></i><br>(pu) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>s</sub></i><br><i>T<sub>N</sub></i><br>(pu) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |
| 1000 r/min = 6 poles |               |               |                      | 10000 V 50 Hz        |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 630                  | AMI 450L6L    | 10847         | 989                  | 95.0                 | 95.2               | 0.84                 | 0.80               | 46                              | 5.3                                                  | 17                              | 6081                             | 0.8                                                  | 2.1                                                    | 28.1                           | 3800                        | 78                                                                |
| 710                  | AMI 450L6L    | 10848         | 988                  | 94.9                 | 95.2               | 0.85                 | 0.82               | 51                              | 4.8                                                  | 17                              | 6864                             | 0.7                                                  | 2.0                                                    | 28.1                           | 3800                        | 78                                                                |
| 800                  | AMI 450L6L    | 10849         | 989                  | 95.1                 | 95.4               | 0.84                 | 0.80               | 58                              | 5.0                                                  | 21                              | 7725                             | 0.7                                                  | 2.1                                                    | 28.3                           | 3810                        | 78                                                                |
| 900                  | AMI 450L6L    | 10850         | 988                  | 95.1                 | 95.5               | 0.85                 | 0.82               | 64                              | 4.7                                                  | 22                              | 8696                             | 0.6                                                  | 1.9                                                    | 30.1                           | 3940                        | 78                                                                |
| 1000                 | AMI 450L6L    | 10851         | 988                  | 95.2                 | 95.6               | 0.85                 | 0.83               | 71                              | 4.6                                                  | 23                              | 9667                             | 0.6                                                  | 1.9                                                    | 31.8                           | 4060                        | 78                                                                |
| 1100                 | AMI 450L6L    | 10852         | 991                  | 95.5                 | 95.8               | 0.83                 | 0.79               | 80                              | 4.8                                                  | 30                              | 10605                            | 0.6                                                  | 1.9                                                    | 32.4                           | 4080                        | 78                                                                |
| 1250                 | AMI 500L6L    | 10853         | 991                  | 95.4                 | 95.8               | 0.88                 | 0.86               | 86                              | 5.5                                                  | 26                              | 12045                            | 0.7                                                  | 2.1                                                    | 60.1                           | 4960                        | 79                                                                |
| 1400                 | AMI 500L6L    | 10854         | 991                  | 95.5                 | 95.9               | 0.87                 | 0.85               | 97                              | 5.5                                                  | 30                              | 13488                            | 0.7                                                  | 2.2                                                    | 63.6                           | 5110                        | 79                                                                |
| 1600                 | AMI 500L6L    | 10855         | 993                  | 95.8                 | 96.1               | 0.86                 | 0.83               | 113                             | 5.6                                                  | 39                              | 15383                            | 0.7                                                  | 2.2                                                    | 69.1                           | 5290                        | 79                                                                |
| 1750                 | AMI 500L6L    | 10856         | 994                  | 96.0                 | 96.2               | 0.84                 | 0.81               | 125                             | 5.6                                                  | 47                              | 16820                            | 0.7                                                  | 2.2                                                    | 72.6                           | 5450                        | 79                                                                |
| 2000                 | AMI 560L6L B  | 10857         | 992                  | 96.1                 | 96.4               | 0.88                 | 0.87               | 136                             | 5.4                                                  | 35                              | 19250                            | 0.7                                                  | 2.3                                                    | 119.9                          | 7100                        | 80                                                                |
| 2240                 | AMI 560L6L B  | 10858         | 992                  | 96.1                 | 96.4               | 0.88                 | 0.87               | 153                             | 5.6                                                  | 40                              | 21558                            | 0.8                                                  | 2.3                                                    | 136.3                          | 7580                        | 80                                                                |
| 2500                 | AMI 560L6L B  | 10859         | 993                  | 96.3                 | 96.6               | 0.87                 | 0.85               | 173                             | 5.8                                                  | 52                              | 24044                            | 0.8                                                  | 2.5                                                    | 147.5                          | 7950                        | 80                                                                |
| 2800                 | AMI 560L6L B  | 10860         | 993                  | 96.5                 | 96.8               | 0.87                 | 0.86               | 192                             | 5.7                                                  | 54                              | 26915                            | 0.7                                                  | 2.3                                                    | 160.8                          | 8340                        | 80                                                                |
| 3200                 | AMI 560L6L B  | 10861         | 995                  | 96.7                 | 96.9               | 0.86                 | 0.85               | 222                             | 5.6                                                  | 64                              | 30723                            | 0.7                                                  | 2.2                                                    | 177.8                          | 8760                        | 80                                                                |
| 3550                 | AMI 630L6L B  | 10862         | 993                  | 96.7                 | 97.0               | 0.87                 | 0.86               | 242                             | 5.7                                                  | 64                              | 34133                            | 0.7                                                  | 2.4                                                    | 228.6                          | 10500                       | 81                                                                |
| 4000                 | AMI 630L6L B  | 10863         | 993                  | 96.8                 | 97.1               | 0.88                 | 0.87               | 271                             | 5.6                                                  | 67                              | 38466                            | 0.7                                                  | 2.4                                                    | 247.4                          | 10970                       | 81                                                                |
| 4500                 | AMI 630L6L B  | 10864         | 993                  | 96.9                 | 97.2               | 0.88                 | 0.87               | 304                             | 5.6                                                  | 74                              | 43275                            | 0.7                                                  | 2.4                                                    | 266.2                          | 11450                       | 81                                                                |
| 5000                 | AMI 630L6L B  | 10865         | 994                  | 97.0                 | 97.3               | 0.87                 | 0.86               | 341                             | 5.7                                                  | 91                              | 48040                            | 0.7                                                  | 2.4                                                    | 285.7                          | 11940                       | 81                                                                |
| 5600                 | AMI 630L6L B  | 10866         | 994                  | 97.1                 | 97.4               | 0.87                 | 0.86               | 381                             | 5.6                                                  | 102                             | 53782                            | 0.7                                                  | 2.4                                                    | 316.0                          | 12660                       | 81                                                                |
| 750 r/min = 8 poles  |               |               |                      | 10000 V 50 Hz        |                    |                      |                    |                                 |                                                      |                                 |                                  |                                                      |                                                        |                                |                             |                                                                   |
| 710                  | AMI 500L8L    | 10867         | 742                  | 94.6                 | 94.8               | 0.84                 | 0.81               | 51                              | 5.3                                                  | 19                              | 9134                             | 0.7                                                  | 2.1                                                    | 69.4                           | 4910                        | 77                                                                |
| 800                  | AMI 500L8L    | 10868         | 741                  | 94.5                 | 94.9               | 0.86                 | 0.83               | 57                              | 5.2                                                  | 19                              | 10307                            | 0.8                                                  | 2.1                                                    | 69.8                           | 4910                        | 77                                                                |
| 900                  | AMI 500L8L    | 10869         | 742                  | 94.8                 | 95.1               | 0.86                 | 0.83               | 64                              | 5.3                                                  | 21                              | 11583                            | 0.7                                                  | 2.0                                                    | 74.6                           | 5070                        | 77                                                                |
| 1000                 | AMI 500L8L    | 10870         | 742                  | 94.9                 | 95.2               | 0.86                 | 0.83               | 71                              | 5.3                                                  | 24                              | 12870                            | 0.7                                                  | 2.1                                                    | 79.0                           | 5220                        | 77                                                                |
| 1120                 | AMI 500L8L    | 10871         | 743                  | 95.1                 | 95.5               | 0.87                 | 0.85               | 78                              | 5.1                                                  | 24                              | 14403                            | 0.7                                                  | 1.9                                                    | 88.4                           | 5510                        | 77                                                                |
| 1250                 | AMI 500L8L    | 10872         | 744                  | 95.4                 | 95.7               | 0.85                 | 0.83               | 89                              | 5.3                                                  | 29                              | 16042                            | 0.7                                                  | 1.9                                                    | 94.0                           | 5680                        | 77                                                                |
| 1400                 | AMI 560L8L B  | 10873         | 744                  | 95.8                 | 96.1               | 0.85                 | 0.84               | 99                              | 4.8                                                  | 30                              | 17971                            | 0.6                                                  | 1.9                                                    | 134.0                          | 7070                        | 76                                                                |
| 1600                 | AMI 560L8L B  | 10874         | 744                  | 95.9                 | 96.2               | 0.85                 | 0.83               | 113                             | 4.9                                                  | 35                              | 20538                            | 0.6                                                  | 2.0                                                    | 141.1                          | 7260                        | 76                                                                |
| 1850                 | AMI 560L8L B  | 10875         | 744                  | 96.0                 | 96.3               | 0.84                 | 0.82               | 132                             | 4.9                                                  | 43                              | 23745                            | 0.6                                                  | 2.0                                                    | 148.2                          | 7450                        | 76                                                                |
| 2100                 | AMI 560L8L B  | 10876         | 745                  | 96.2                 | 96.5               | 0.84                 | 0.81               | 151                             | 5.0                                                  | 49                              | 26929                            | 0.7                                                  | 2.0                                                    | 163.1                          | 7840                        | 76                                                                |
| 2360                 | AMI 560L8L B  | 10877         | 744                  | 96.3                 | 96.6               | 0.84                 | 0.83               | 167                             | 5.0                                                  | 53                              | 30279                            | 0.7                                                  | 2.0                                                    | 183.3                          | 8390                        | 76                                                                |
| 2500                 | AMI 560L8L B  | 10878         | 745                  | 96.4                 | 96.5               | 0.83                 | 0.80               | 179                             | 5.7                                                  | 65                              | 32039                            | 0.8                                                  | 2.3                                                    | 204.5                          | 8890                        | 76                                                                |
| 2800                 | AMI 630L8L B  | 10879         | 744                  | 96.3                 | 96.6               | 0.85                 | 0.83               | 198                             | 5.5                                                  | 61                              | 35920                            | 0.8                                                  | 2.2                                                    | 301.9                          | 10840                       | 77                                                                |
| 3150                 | AMI 630L8L B  | 10880         | 744                  | 96.4                 | 96.7               | 0.85                 | 0.84               | 221                             | 5.3                                                  | 64                              | 40421                            | 0.7                                                  | 2.1                                                    | 325.9                          | 11340                       | 77                                                                |
| 3500                 | AMI 630L8L B  | 10881         | 745                  | 96.7                 | 96.9               | 0.85                 | 0.84               | 245                             | 5.2                                                  | 73                              | 44838                            | 0.6                                                  | 2.1                                                    | 355.5                          | 11850                       | 77                                                                |
| 4150                 | AMI 630L8L B  | 10882         | 746                  | 96.9                 | 97.0               | 0.85                 | 0.83               | 292                             | 5.5                                                  | 92                              | 53139                            | 0.7                                                  | 2.2                                                    | 416.0                          | 13050                       | 77                                                                |

# Modular induction motors, type AMI

## Technical data

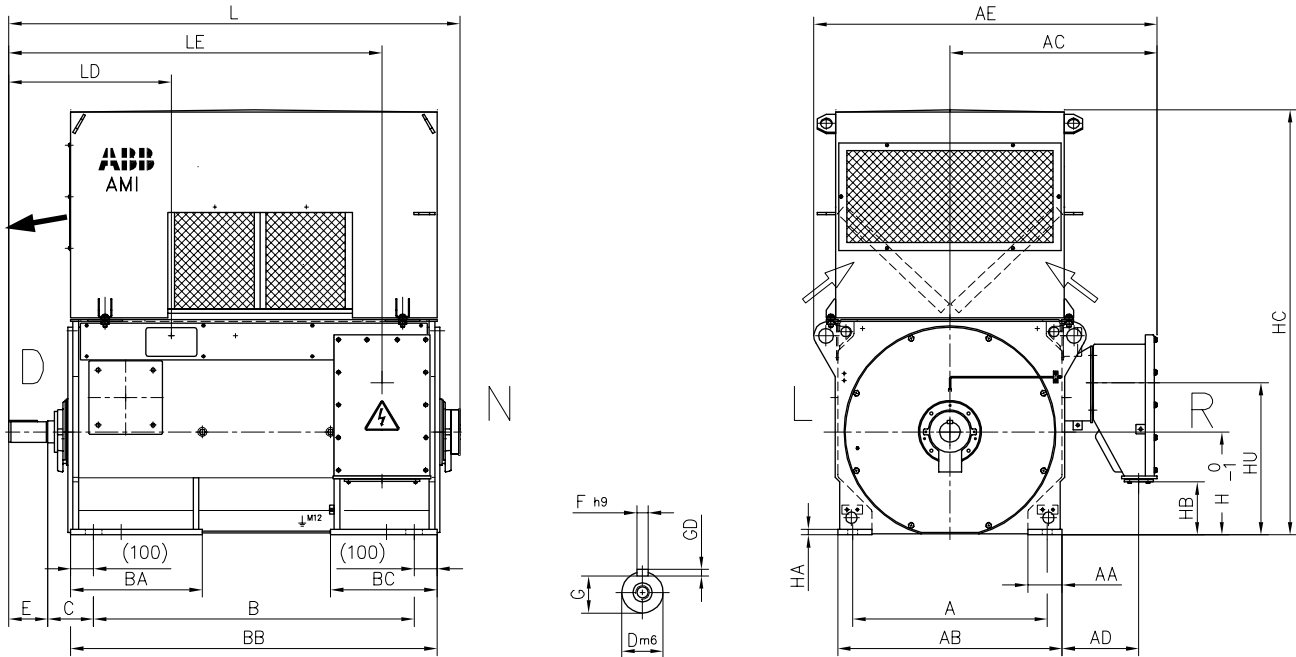
IP55, IC81W, insulation class F, temperature rise class B  
10000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                   |                                          |                           | Torque                     |                                          |                                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>L <sub>p</sub><br><br>(dB(A)) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------|------------------------------------------|---------------------------|----------------------------|------------------------------------------|--------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | I <sub>N</sub><br><br>(A) | I <sub>s</sub><br>I <sub>N</sub><br>(pu) | I <sub>0</sub><br><br>(A) | T <sub>N</sub><br><br>(Nm) | T <sub>s</sub><br>T <sub>N</sub><br>(pu) | T <sub>max</sub><br>T <sub>N</sub><br>(pu) |                                |                             |                                                             |
| 600 r/min = 10 poles |               |               |                      | 10000 V 50 Hz        |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |
| 560                  | AMI 500L10L   | 10883         | 594                  | 94.0                 | 94.5               | 0.84                 | 0.80               | 41                        | 4.9                                      | 16                        | 9006                       | 0.7                                      | 1.9                                        | 67.3                           | 4760                        | 77                                                          |
| 630                  | AMI 500L10L   | 10884         | 593                  | 94.0                 | 94.4               | 0.83                 | 0.78               | 47                        | 5.0                                      | 19                        | 10143                      | 0.7                                      | 2.0                                        | 66.7                           | 4760                        | 77                                                          |
| 710                  | AMI 500L10L   | 10885         | 593                  | 94.1                 | 94.6               | 0.83                 | 0.79               | 52                        | 4.9                                      | 21                        | 11436                      | 0.7                                      | 2.0                                        | 71.1                           | 4910                        | 77                                                          |
| 800                  | AMI 500L10L   | 10886         | 594                  | 94.5                 | 95.0               | 0.83                 | 0.81               | 59                        | 4.5                                      | 21                        | 12853                      | 0.7                                      | 1.7                                        | 81.7                           | 5220                        | 77                                                          |
| 850                  | AMI 500L10L   | 10887         | 594                  | 94.6                 | 95.1               | 0.84                 | 0.80               | 62                        | 4.9                                      | 23                        | 13665                      | 0.7                                      | 1.9                                        | 85.5                           | 5350                        | 77                                                          |
| 900                  | AMI 560L10L B | 10888         | 592                  | 94.7                 | 95.3               | 0.86                 | 0.85               | 63                        | 4.6                                      | 18                        | 14526                      | 0.7                                      | 2.0                                        | 147.9                          | 6990                        | 75                                                          |
| 1000                 | AMI 560L10L B | 10889         | 592                  | 94.9                 | 95.4               | 0.86                 | 0.84               | 71                        | 5.0                                      | 23                        | 16123                      | 0.8                                      | 2.1                                        | 147.9                          | 7000                        | 75                                                          |
| 1120                 | AMI 560L10L B | 10890         | 594                  | 95.3                 | 95.7               | 0.84                 | 0.81               | 81                        | 5.5                                      | 30                        | 18003                      | 0.9                                      | 2.4                                        | 149.0                          | 7020                        | 75                                                          |
| 1300                 | AMI 560L10L B | 10891         | 594                  | 95.5                 | 95.8               | 0.85                 | 0.82               | 93                        | 5.4                                      | 33                        | 20893                      | 0.8                                      | 2.3                                        | 165.5                          | 7390                        | 75                                                          |
| 1500                 | AMI 560L10L B | 10892         | 594                  | 95.6                 | 96.0               | 0.85                 | 0.82               | 107                       | 5.4                                      | 37                        | 24108                      | 0.8                                      | 2.3                                        | 181.6                          | 7760                        | 75                                                          |
| 1750                 | AMI 560L10L B | 10893         | 596                  | 95.9                 | 96.3               | 0.84                 | 0.82               | 125                       | 5.2                                      | 42                        | 28056                      | 0.8                                      | 2.0                                        | 208.6                          | 8350                        | 75                                                          |
| 1950                 | AMI 560L10L B | 10894         | 596                  | 96.1                 | 96.3               | 0.82                 | 0.78               | 143                       | 5.6                                      | 57                        | 31234                      | 0.8                                      | 2.2                                        | 224.3                          | 8710                        | 75                                                          |
| 2000                 | AMI 630L10L B | 10895         | 594                  | 96.0                 | 96.3               | 0.87                 | 0.84               | 139                       | 5.5                                      | 43                        | 32163                      | 0.9                                      | 2.3                                        | 335.2                          | 10620                       | 75                                                          |
| 2240                 | AMI 630L10L B | 10896         | 594                  | 96.1                 | 96.4               | 0.85                 | 0.82               | 159                       | 5.5                                      | 56                        | 35982                      | 0.8                                      | 2.3                                        | 361.0                          | 11080                       | 75                                                          |
| 2500                 | AMI 630L10L B | 10897         | 596                  | 96.3                 | 96.6               | 0.84                 | 0.82               | 178                       | 5.5                                      | 61                        | 40064                      | 0.8                                      | 2.1                                        | 393.6                          | 11510                       | 75                                                          |
| 2800                 | AMI 630L10L B | 10898         | 597                  | 96.5                 | 96.7               | 0.83                 | 0.80               | 201                       | 5.6                                      | 73                        | 44800                      | 0.7                                      | 2.2                                        | 432.6                          | 12050                       | 75                                                          |
| 3000                 | AMI 630L10L B | 10899         | 597                  | 96.6                 | 96.8               | 0.83                 | 0.80               | 216                       | 5.6                                      | 79                        | 47987                      | 0.7                                      | 2.1                                        | 475.6                          | 12750                       | 75                                                          |
| 500 r/min = 12 poles |               |               |                      | 10000 V 50 Hz        |                    |                      |                    |                           |                                          |                           |                            |                                          |                                            |                                |                             |                                                             |
| 400                  | AMI 500L12L   | 10900         | 494                  | 93.2                 | 93.6               | 0.77                 | 0.73               | 32                        | 3.8                                      | 15                        | 7739                       | 0.5                                      | 1.7                                        | 57.4                           | 4760                        | 77                                                          |
| 450                  | AMI 500L12L   | 10901         | 493                  | 93.2                 | 93.6               | 0.77                 | 0.72               | 36                        | 3.8                                      | 17                        | 8708                       | 0.5                                      | 1.7                                        | 57.4                           | 4760                        | 77                                                          |
| 500                  | AMI 500L12L   | 10902         | 494                  | 93.4                 | 93.6               | 0.77                 | 0.71               | 40                        | 4.6                                      | 20                        | 9660                       | 0.7                                      | 2.0                                        | 71.3                           | 4900                        | 77                                                          |
| 560                  | AMI 500L12L   | 10903         | 494                  | 93.5                 | 93.8               | 0.78                 | 0.72               | 45                        | 4.5                                      | 22                        | 10824                      | 0.7                                      | 1.9                                        | 75.8                           | 5040                        | 77                                                          |
| 630                  | AMI 500L12L   | 10904         | 495                  | 93.8                 | 94.2               | 0.79                 | 0.74               | 49                        | 4.2                                      | 22                        | 12163                      | 0.6                                      | 1.8                                        | 85.7                           | 5350                        | 77                                                          |
| 710                  | AMI 560L12L B | 10905         | 493                  | 94.2                 | 94.9               | 0.83                 | 0.81               | 52                        | 4.2                                      | 19                        | 13751                      | 0.6                                      | 2.0                                        | 147.9                          | 6960                        | 74                                                          |
| 800                  | AMI 560L12L B | 10906         | 493                  | 94.4                 | 95.0               | 0.82                 | 0.79               | 59                        | 4.5                                      | 23                        | 15482                      | 0.7                                      | 2.1                                        | 147.9                          | 6970                        | 74                                                          |
| 900                  | AMI 560L12L B | 10907         | 494                  | 94.6                 | 95.2               | 0.82                 | 0.78               | 67                        | 4.6                                      | 27                        | 17412                      | 0.7                                      | 2.1                                        | 156.0                          | 7160                        | 74                                                          |
| 1000                 | AMI 560L12L B | 10908         | 494                  | 94.8                 | 95.3               | 0.81                 | 0.77               | 75                        | 4.8                                      | 32                        | 19333                      | 0.7                                      | 2.2                                        | 164.0                          | 7340                        | 74                                                          |
| 1150                 | AMI 560L12L B | 10909         | 494                  | 94.9                 | 95.5               | 0.83                 | 0.79               | 85                        | 4.6                                      | 33                        | 22245                      | 0.7                                      | 2.1                                        | 188.1                          | 7890                        | 74                                                          |
| 1320                 | AMI 560L12L B | 10910         | 495                  | 95.4                 | 95.8               | 0.82                 | 0.77               | 98                        | 4.7                                      | 40                        | 25460                      | 0.6                                      | 2.2                                        | 214.9                          | 8460                        | 74                                                          |
| 1600                 | AMI 630L12L B | 10911         | 494                  | 95.5                 | 96.0               | 0.84                 | 0.81               | 115                       | 5.1                                      | 41                        | 30928                      | 0.8                                      | 2.2                                        | 320.0                          | 10310                       | 74                                                          |
| 1800                 | AMI 630L12L B | 10912         | 494                  | 95.7                 | 96.1               | 0.84                 | 0.81               | 129                       | 5.4                                      | 48                        | 34768                      | 0.9                                      | 2.4                                        | 362.6                          | 11000                       | 74                                                          |
| 2000                 | AMI 630L12L B | 10913         | 496                  | 95.9                 | 96.2               | 0.82                 | 0.79               | 146                       | 5.5                                      | 57                        | 38540                      | 0.8                                      | 2.3                                        | 420.1                          | 11870                       | 74                                                          |
| 2300                 | AMI 630L12L B | 10914         | 497                  | 96.2                 | 96.5               | 0.82                 | 0.78               | 168                       | 5.7                                      | 69                        | 44216                      | 0.8                                      | 2.3                                        | 468.0                          | 12600                       | 74                                                          |

# Modular induction motors, type AMI

## Dimension drawings

Antifriction bearings,  $1 < UN \leq 6.6 \text{ kV}$ , IM 1001, IC01 / IP24W



| AMI  | Poles    | A    | B    | C   | D   | E   | F  | G   | H   | K  | L    | AA  | AB   | AC   | AD  |
|------|----------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|-----|
| 400L | 2        | 750  | 1250 | 200 | 85  | 170 | 22 | 76  | 400 | 35 | 1825 | 150 | 880  | 855  | 335 |
| 400L | $\geq 4$ | 750  | 1250 | 200 | 110 | 210 | 28 | 100 | 400 | 35 | 1865 | 150 | 880  | 855  | 335 |
| 450L | 2        | 850  | 1400 | 200 | 90  | 170 | 25 | 81  | 450 | 42 | 1975 | 150 | 980  | 905  | 335 |
| 450L | $\geq 4$ | 850  | 1400 | 200 | 125 | 210 | 32 | 114 | 450 | 42 | 2025 | 150 | 980  | 905  | 335 |
| 500L | $\geq 4$ | 950  | 1600 | 200 | 140 | 250 | 36 | 128 | 500 | 42 | 2265 | 150 | 1080 | 955  | 335 |
| 560L | $\geq 6$ | 1180 | 2000 | 250 | 180 | 300 | 45 | 165 | 560 | 42 | 2810 | 200 | 1320 | 1285 | 545 |
| 630L | $\geq 6$ | 1400 | 2240 | 250 | 200 | 350 | 45 | 185 | 630 | 42 | 3100 | 200 | 1500 | 1375 | 545 |

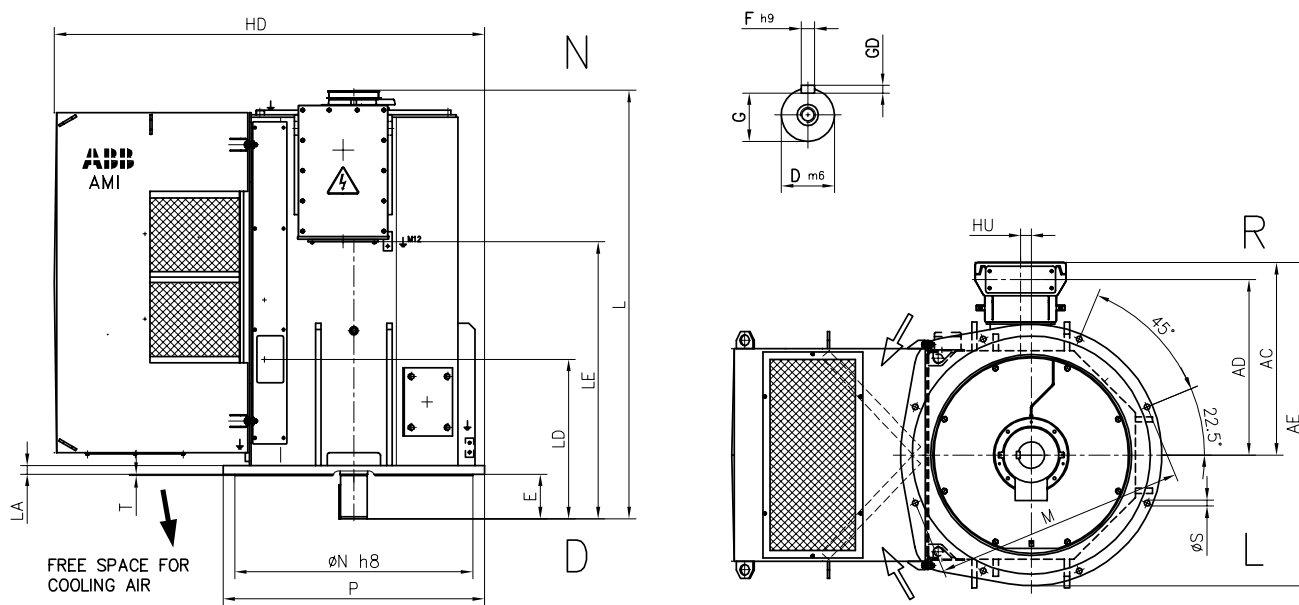
| AMI  | Poles    | AE   | BA  | BB   | BC  | GD | HA   | HB  | HC   | LD  | LE   | HU  | D-end bearing     | N-end bearing |
|------|----------|------|-----|------|-----|----|------|-----|------|-----|------|-----|-------------------|---------------|
| 400L | 2        | 1400 | 545 | 1450 | 445 | 14 | 20   | 130 | 1710 | 615 | 1480 | 565 | 6319M/C3          | 6319M/C3      |
| 400L | $\geq 4$ | 1400 | 545 | 1450 | 445 | 16 | 20   | 130 | 1710 | 655 | 1520 | 565 | 6324/C3           | 6319/C3       |
| 450L | 2        | 1500 | 575 | 1600 | 465 | 14 | 25   | 230 | 1860 | 710 | 1630 | 665 | 6319M/C3          | 6319M/C3      |
| 450L | $\geq 4$ | 1500 | 575 | 1600 | 465 | 18 | 25   | 230 | 1860 | 750 | 1670 | 665 | 6326/C3           | 6322/C3       |
| 500L | $\geq 4$ | 1605 | 645 | 1800 | 495 | 20 | 35   | 330 | 2060 | 860 | 1910 | 765 | 6330/C3           | 6324/C3       |
| 560L | $\geq 6$ | 2125 | 400 | 2230 | 400 | 25 | 65.5 | 75  | 2465 | 765 | 2435 | 798 | 6038/C3+NU1038/C3 | NU1038/C3     |
| 630L | $\geq 6$ | 2305 | 400 | 2470 | 400 | 25 | 65.5 | 225 | 2715 | 815 | 2725 | 948 | 6044/C3+NU1044/C3 | NU1044/C3     |

Table gives main dimensions in mm.

# Modular induction motors, type AMI

## Dimension drawings

Antifriction bearings,  $1 < UN \leq 6.6 \text{ kV}$ , IM 4011, IC01 / IP24W



| AMI  | Poles    | M    | N       | P    | S  | D   | E   | F  | G   | HD   | L    | LA | LD   | LE   |
|------|----------|------|---------|------|----|-----|-----|----|-----|------|------|----|------|------|
| 400L | $\geq 4$ | 1080 | 1000js6 | 1130 | 28 | 110 | 210 | 28 | 100 | 1875 | 1860 | 30 | 655  | 1150 |
| 450L | $\geq 4$ | 1180 | 1120h8  | 1230 | 28 | 125 | 210 | 32 | 114 | 2025 | 2020 | 40 | 750  | 1300 |
| 500L | $\geq 4$ | 1320 | 1250h8  | 1370 | 28 | 140 | 250 | 36 | 128 | 2245 | 2260 | 47 | 860  | 1540 |
| 560L | 4        | 1500 | 1400 h8 | 1600 | 28 | 160 | 300 | 40 | 147 | 2705 | 2870 | 65 | 1205 | 1790 |
| 560L | $\geq 6$ | 1500 | 1400 h8 | 1600 | 28 | 180 | 300 | 45 | 165 | 2705 | 2870 | 65 | 1205 | 1790 |
| 630L | 4        | 1700 | 1600 h8 | 1800 | 28 | 180 | 300 | 45 | 165 | 2985 | 3120 | 65 | 1205 | 2030 |
| 630L | $\geq 6$ | 1700 | 1600 h8 | 1800 | 28 | 200 | 350 | 45 | 185 | 2985 | 3170 | 65 | 1255 | 2080 |

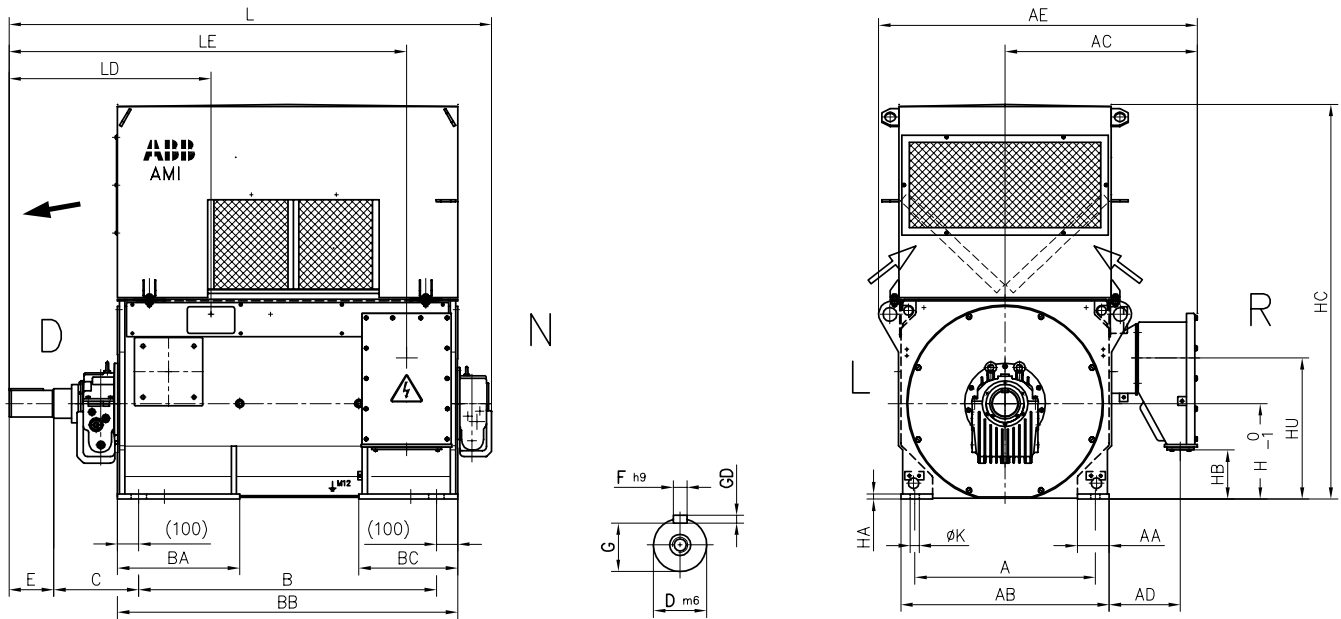
| AMI  | Poles    | T  | AC   | AD   | AE   | GD | HU | D-end bearing | N-end bearing |
|------|----------|----|------|------|------|----|----|---------------|---------------|
| 400L | $\geq 4$ | 6  | 855  | 775  | 1425 | 16 | 50 | 6324/C3       | 7319B         |
| 450L | $\geq 4$ | 7  | 905  | 825  | 1525 | 18 | 50 | 6326/C3       | 7322B         |
| 500L | $\geq 4$ | 8  | 955  | 875  | 1645 | 20 | 50 | 6330/C3       | 7324B         |
| 560L | 4        | 10 | 1355 | 1210 | 2155 | 22 | 40 | 6038/C3       | 7330 B        |
| 560L | $\geq 6$ | 10 | 1355 | 1210 | 2155 | 25 | 40 | 6038/C3       | 7330 B        |
| 630L | 4        | 10 | 1455 | 1310 | 2355 | 25 | 40 | 6044/C3       | 7334 B        |
| 630L | $\geq 6$ | 10 | 1455 | 1310 | 2355 | 25 | 40 | 6044/C3       | 7334 B        |

Table gives main dimensions in mm.

# Modular induction motors, type AMI

## Dimension drawings

Sleeve bearings,  $1 < UN \leq 6.6$  kV, IM 1001, IC01 / IP24W



| AMI  | Poles    | A    | B    | C   | D   | E   | F  | G   | H   | K  | L    | AA  | AB   | AC   | AD  | AE   | BA  |
|------|----------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|-----|------|-----|
| 400L | 2        | 750  | 1250 | 375 | 85  | 170 | 22 | 76  | 400 | 35 | 2065 | 150 | 880  | 855  | 335 | 1400 | 545 |
| 400L | $\geq 4$ | 750  | 1250 | 375 | 110 | 210 | 28 | 100 | 400 | 35 | 2100 | 150 | 880  | 855  | 335 | 1400 | 545 |
| 450L | 2        | 850  | 1400 | 375 | 90  | 170 | 25 | 81  | 450 | 42 | 2215 | 150 | 980  | 905  | 335 | 1500 | 575 |
| 450L | $\geq 4$ | 850  | 1400 | 400 | 125 | 210 | 32 | 114 | 450 | 42 | 2275 | 150 | 980  | 905  | 335 | 1500 | 575 |
| 500L | 2        | 950  | 1600 | 375 | 110 | 210 | 28 | 100 | 500 | 42 | 2485 | 150 | 1080 | 955  | 335 | 1605 | 645 |
| 500L | $\geq 4$ | 950  | 1600 | 450 | 140 | 250 | 36 | 128 | 500 | 42 | 2595 | 150 | 1080 | 955  | 335 | 1605 | 645 |
| 560L | 2        | 1180 | 2000 | 400 | 140 | 250 | 36 | 128 | 560 | 42 | 2910 | 200 | 1320 | 1285 | 545 | 2675 | 400 |
| 560L | 4        | 1180 | 2000 | 500 | 160 | 300 | 40 | 147 | 560 | 42 | 3190 | 200 | 1320 | 1285 | 545 | 2125 | 400 |
| 630L | 2        | 1400 | 2240 | 400 | 160 | 300 | 40 | 147 | 630 | 42 | 3200 | 200 | 1500 | 1375 | 545 | 2870 | 400 |
| 630L | 4        | 1400 | 2240 | 500 | 180 | 300 | 45 | 165 | 630 | 42 | 3430 | 200 | 1500 | 1375 | 545 | 2305 | 400 |

| AMI  | Poles    | BB   | BC  | GD | HA   | HB  | HC   | LD   | LE   | HU  | D-end bearing | N-end bearing |
|------|----------|------|-----|----|------|-----|------|------|------|-----|---------------|---------------|
| 400L | 2        | 1450 | 445 | 14 | 20   | 130 | 1710 | 790  | 1655 | 565 | EFZLB9-80     | EFZLQ9-80     |
| 400L | $\geq 4$ | 1450 | 445 | 16 | 20   | 130 | 1710 | 830  | 1695 | 565 | EFZLB9-100    | EFZLQ 9-100   |
| 450L | 2        | 1600 | 465 | 14 | 25   | 230 | 1860 | 885  | 1805 | 665 | EFZLB9-80     | EFZLQ 9-80    |
| 450L | $\geq 4$ | 1600 | 465 | 18 | 25   | 230 | 1860 | 950  | 1870 | 665 | EFZLB11-125   | EFZLQ9-100    |
| 500L | 2        | 1800 | 495 | 16 | 35   | 330 | 2060 | 995  | 2045 | 765 | EFNLB11-90    | EFNLB11-90    |
| 500L | 4        | 1800 | 495 | 20 | 35   | 330 | 2060 | 1110 | 2160 | 765 | EFZLB14-125   | EFZLQ11-125   |
| 500L | $\geq 6$ | 1800 | 495 | 20 | 35   | 330 | 2060 | 1110 | 2160 | 765 | EFZLB14-140   | EFZLQ11-125   |
| 560L | 2        | 2230 | 400 | 20 | 65.5 | 75  | 2465 | 865  | 2535 | 798 | EMZLB14-140   | EMZLB14-140   |
| 560L | 4        | 2230 | 400 | 22 | 65.5 | 75  | 2465 | 1015 | 2685 | 798 | EFNLB18-160   | EFNLQ18-160   |
| 630L | 2        | 2470 | 400 | 22 | 65.5 | 225 | 2695 | 915  | 2825 | 948 | EMZLB14-160   | EMZLB14-160   |
| 630L | 4        | 2470 | 400 | 25 | 65.5 | 225 | 2715 | 1015 | 2925 | 948 | EFNLB18-160   | EFNLQ18-160   |

Note: Axial float of rotor as standard  $\pm 8$  mm.

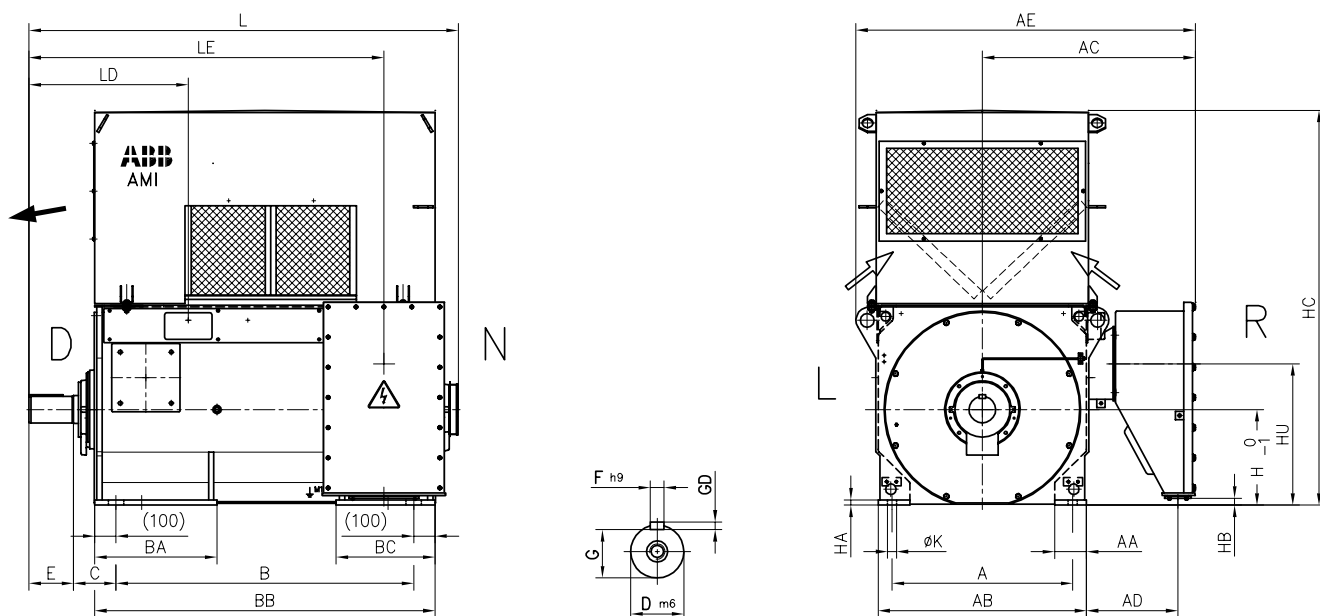
Note: The bearing cannot withstand continuous axial forces.

Table gives main dimensions in mm.

# Modular induction motors, type AMI

## Dimension drawings

Antifriction bearings,  $6.6 < U_N \leq 11$  kV, IM 1001, IC01 / IP24W



| AMI  | Poles    | A    | B    | C   | D   | E   | F  | G   | H   | K  | L    | AA  | AB   | AC   | AD  |
|------|----------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|-----|
| 450L | 2        | 850  | 1400 | 200 | 90  | 170 | 25 | 81  | 450 | 42 | 1975 | 150 | 980  | 1005 | 430 |
| 450L | $\geq 4$ | 850  | 1400 | 200 | 125 | 210 | 32 | 114 | 450 | 42 | 2025 | 150 | 980  | 1005 | 430 |
| 500L | $\geq 4$ | 950  | 1600 | 200 | 140 | 250 | 36 | 128 | 500 | 42 | 2265 | 150 | 1080 | 1055 | 430 |
| 560L | $\geq 6$ | 1180 | 2000 | 250 | 180 | 300 | 45 | 165 | 560 | 42 | 2750 | 200 | 1320 | 1285 | 540 |
| 630L | $\geq 6$ | 1400 | 2240 | 250 | 200 | 350 | 45 | 185 | 630 | 42 | 3035 | 200 | 1500 | 1375 | 540 |

| AMI  | Poles    | AE   | BA  | BB   | BC  | GD | HA   | HB  | HC   | LD  | LE   | HU  | D-end bearing     | N-end bearing |
|------|----------|------|-----|------|-----|----|------|-----|------|-----|------|-----|-------------------|---------------|
| 450L | 2        | 1600 | 575 | 1600 | 465 | 14 | 25   | 35  | 1860 | 710 | 1630 | 665 | 6319M/C3          | 6319M/C3      |
| 450L | $\geq 4$ | 1600 | 575 | 1600 | 465 | 18 | 25   | 35  | 1860 | 750 | 1670 | 665 | 6326/C3           | 6322/C3       |
| 500L | $\geq 4$ | 1700 | 645 | 1800 | 495 | 20 | 35   | 135 | 2060 | 860 | 1910 | 765 | 6330/C3           | 6324/C3       |
| 560L | $\geq 6$ | 2125 | 400 | 2230 | 400 | 25 | 65.5 | 165 | 2465 | 765 | 2435 | 798 | 6038/C3+NU1038/C3 | NU1038/C3     |
| 630L | $\geq 6$ | 2305 | 400 | 2470 | 400 | 25 | 65.5 | 315 | 2715 | 815 | 2725 | 948 | 6044/C3+NU1044/C3 | NU1044/C3     |

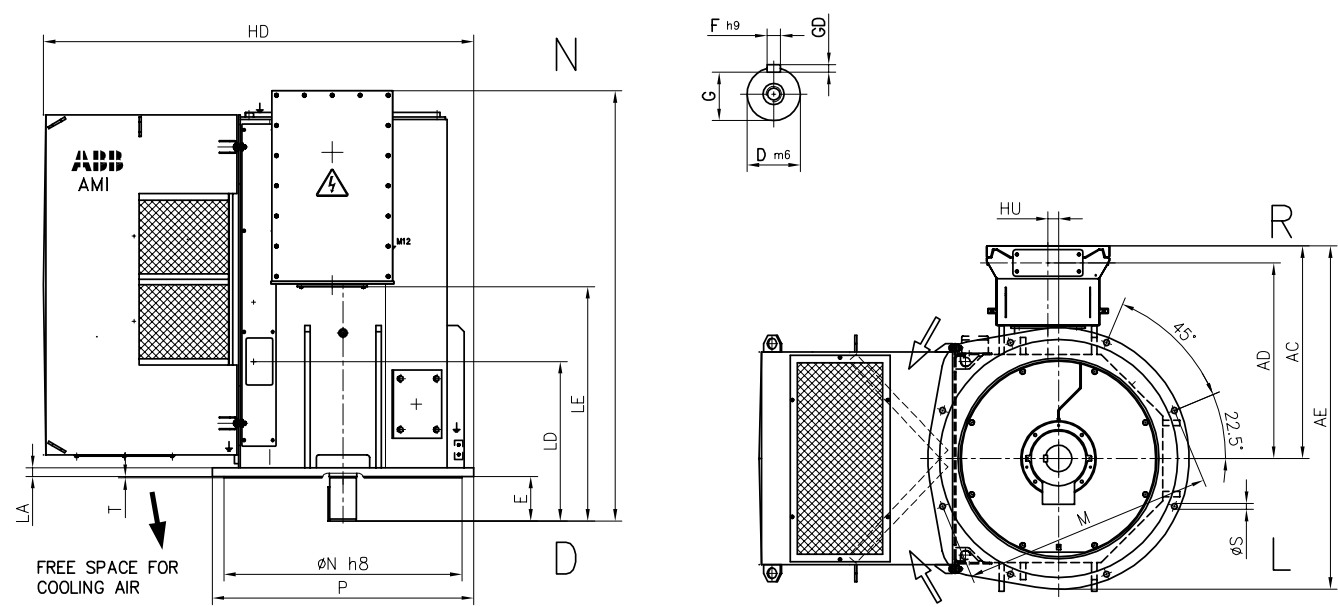
Table gives main dimensions in mm.



# Modular induction motors, type AMI

## Dimension drawings

Antifriction bearings, 6.6 < UN ≤ 11 kV, IM 4011, IC01 / IP24W



| AMI  | Poles | M    | N       | P    | S  | D   | E   | F  | G   | HD   | L    | LA | LD   | LE   |
|------|-------|------|---------|------|----|-----|-----|----|-----|------|------|----|------|------|
| 450L | ≥ 4   | 1180 | 1120h8  | 1230 | 28 | 125 | 210 | 32 | 114 | 2025 | 2030 | 40 | 750  | 1100 |
| 500L | ≥ 4   | 1320 | 1250h8  | 1370 | 28 | 140 | 250 | 36 | 128 | 2245 | 2270 | 47 | 860  | 1340 |
| 560L | 4     | 1500 | 1400 h8 | 1600 | 28 | 160 | 300 | 40 | 147 | 2705 | 2870 | 65 | 1205 | 1880 |
| 560L | ≥ 6   | 1500 | 1400 h8 | 1600 | 28 | 180 | 300 | 45 | 165 | 2705 | 2870 | 65 | 1205 | 1880 |
| 630L | 4     | 1700 | 1600 h8 | 1800 | 28 | 180 | 300 | 45 | 165 | 2985 | 3125 | 65 | 1205 | 2120 |
| 630L | ≥ 6   | 1700 | 1600 h8 | 1800 | 28 | 200 | 350 | 45 | 185 | 2985 | 3175 | 65 | 1255 | 2170 |

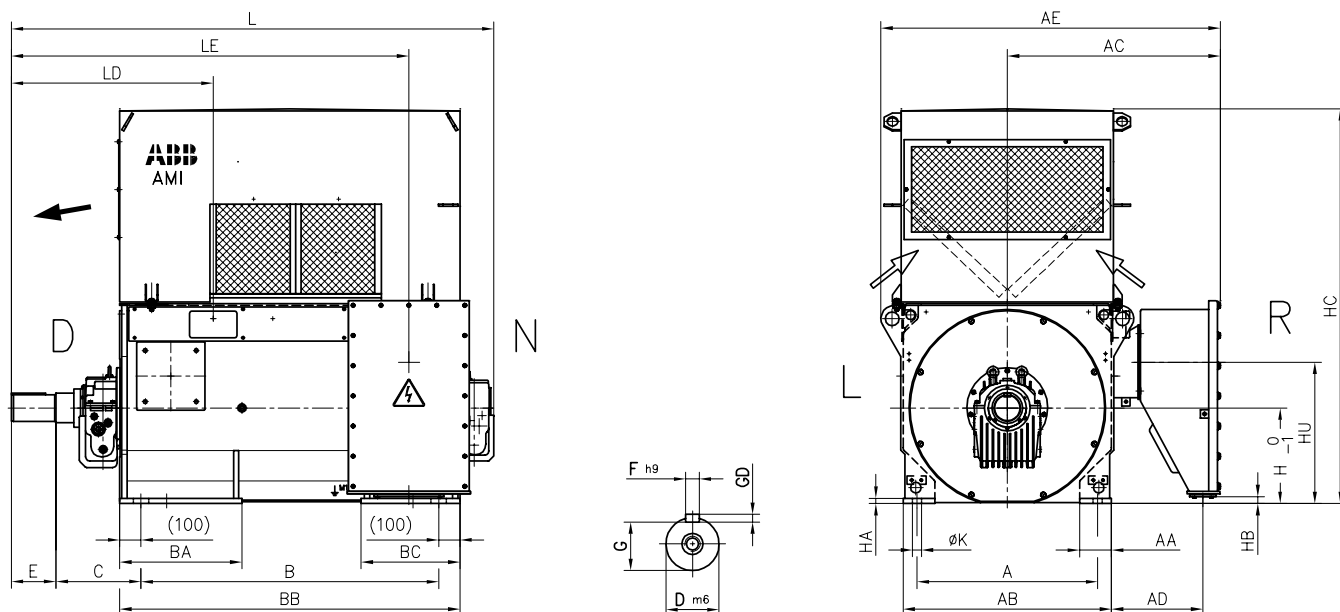
| AMI  | Poles | T  | AC   | AD   | AE   | GD | HU | D-end bearing | N-end bearing |
|------|-------|----|------|------|------|----|----|---------------|---------------|
| 450L | ≥ 4   | 7  | 1000 | 920  | 1620 | 18 | 50 | 6326/C3       | 7322B         |
| 500L | ≥ 4   | 8  | 1050 | 970  | 1740 | 20 | 50 | 6330/C3       | 7324B         |
| 560L | 4     | 10 | 1340 | 1215 | 2140 | 22 | 35 | 6038/C3       | 7330 B        |
| 560L | ≥ 6   | 10 | 1340 | 1215 | 2140 | 25 | 40 | 6038/C3       | 7330 B        |
| 630L | 4     | 10 | 1445 | 1315 | 2345 | 25 | 35 | 6044/C3       | 7334 B        |
| 630L | ≥ 6   | 10 | 1445 | 1315 | 2345 | 25 | 35 | 6044/C3       | 7334 B        |

Table gives main dimensions in mm.

# Modular induction motors, type AMI

## Dimension drawings

Sleeve bearings,  $6.6 < U_N \leq 11$  kV, IM 1001, IC01 / IP24W



| AMI  | Poles    | A    | B    | C   | D   | E   | F  | G   | H   | K  | L    | AA  | AB   | AC   | AD  | AE   | BA  |
|------|----------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|-----|------|-----|
| 450L | 2        | 850  | 1400 | 375 | 90  | 170 | 25 | 81  | 450 | 42 | 2215 | 150 | 980  | 1005 | 430 | 1600 | 575 |
| 450L | $\geq 4$ | 850  | 1400 | 400 | 125 | 210 | 32 | 114 | 450 | 42 | 2275 | 150 | 980  | 1005 | 430 | 1600 | 575 |
| 500L | 2        | 950  | 1600 | 375 | 110 | 210 | 28 | 100 | 500 | 42 | 2485 | 150 | 1080 | 1055 | 430 | 1700 | 645 |
| 500L | $\geq 4$ | 950  | 1600 | 450 | 140 | 250 | 36 | 128 | 500 | 42 | 2595 | 150 | 1080 | 1055 | 430 | 1700 | 645 |
| 560L | 2        | 1180 | 2000 | 400 | 140 | 250 | 36 | 128 | 560 | 42 | 2910 | 200 | 1320 | 1285 | 540 | 2680 | 400 |
| 560L | 4        | 1180 | 2000 | 500 | 160 | 300 | 40 | 147 | 560 | 42 | 3190 | 200 | 1320 | 1285 | 540 | 2125 | 400 |
| 630L | 2        | 1400 | 2240 | 400 | 160 | 300 | 40 | 147 | 630 | 42 | 3165 | 200 | 1500 | 1375 | 540 | 2875 | 400 |
| 630L | 4        | 1400 | 2240 | 500 | 180 | 300 | 45 | 165 | 630 | 42 | 3430 | 200 | 1500 | 1375 | 540 | 2305 | 400 |

| AMI  | Poles    | BB   | BC  | GD | HA   | HB  | HC   | LD   | LE   | HU  | D-end bearing | N-end bearing |
|------|----------|------|-----|----|------|-----|------|------|------|-----|---------------|---------------|
| 450L | 2        | 1600 | 465 | 14 | 25   | 35  | 1860 | 885  | 1805 | 665 | EFZLB9-80     | EFZLQ 9-80    |
| 450L | $\geq 4$ | 1600 | 465 | 18 | 25   | 35  | 1860 | 950  | 1870 | 665 | EFZLB11-125   | EFZLQ9-100    |
| 500L | 2        | 1800 | 495 | 16 | 35   | 135 | 2060 | 995  | 2045 | 765 | EFNLB11-90    | EFNLB11-90    |
| 500L | 4        | 1800 | 495 | 20 | 35   | 135 | 2060 | 1110 | 2160 | 765 | EFZLB14-125   | EFZLQ11-125   |
| 500L | $\geq 6$ | 1800 | 495 | 20 | 35   | 135 | 2060 | 1110 | 2160 | 765 | EFZLB14-140   | EFZLQ11-125   |
| 560L | 2        | 2230 | 400 | 20 | 65.5 | 165 | 2465 | 865  | 2535 | 798 | EMZLB14-140   | EMZLB14-140   |
| 560L | 4        | 2230 | 400 | 22 | 65.5 | 165 | 2465 | 1015 | 2685 | 798 | EFNLB18-160   | EFNLQ18-160   |
| 630L | 2        | 2470 | 400 | 22 | 65.5 | 315 | 2695 | 915  | 2825 | 948 | EMZLB14-160   | EMZLB14-160   |
| 630L | 4        | 2470 | 400 | 25 | 65.5 | 315 | 2715 | 1015 | 2925 | 948 | EFNLB18-160   | EFNLQ18-160   |

Note: Axial float of rotor as standard  $\pm 8$  mm.

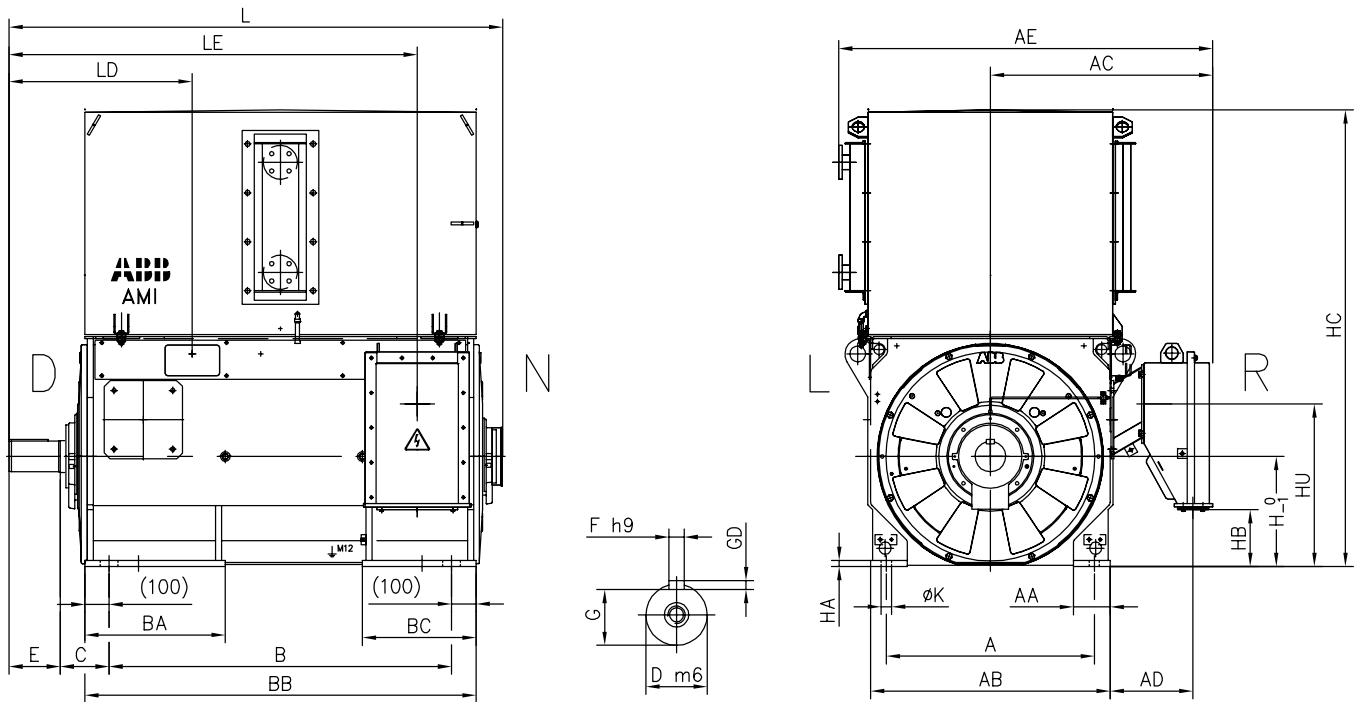
Note: The bearing cannot withstand continuous axial forces.

Table gives main dimensions in mm.

# Modular induction motors, type AMI

## Dimension drawings

Antifriction bearings,  $1 < UN \leq 6.6$  kV, IM 1001, IC81W / IP55



| AMI  | Poles | A    | B    | C   | D   | E   | F  | G   | H   | K  | L    | AA  | AB   | AC   | AD  |
|------|-------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|-----|
| 400L | 2     | 750  | 1250 | 200 | 85  | 170 | 22 | 76  | 400 | 35 | 1825 | 150 | 880  | 855  | 335 |
| 400L | ≥ 4   | 750  | 1250 | 200 | 110 | 210 | 28 | 100 | 400 | 35 | 1865 | 150 | 880  | 855  | 335 |
| 450L | 2     | 850  | 1400 | 200 | 90  | 170 | 25 | 81  | 450 | 42 | 1975 | 150 | 980  | 905  | 335 |
| 450L | ≥ 4   | 850  | 1400 | 200 | 125 | 210 | 32 | 114 | 450 | 42 | 2025 | 150 | 980  | 905  | 335 |
| 500L | ≥ 4   | 950  | 1600 | 200 | 140 | 250 | 36 | 128 | 500 | 42 | 2265 | 150 | 1080 | 955  | 335 |
| 560L | ≥ 6   | 1180 | 2000 | 250 | 180 | 300 | 45 | 165 | 560 | 42 | 2810 | 200 | 1320 | 1285 | 545 |
| 630L | ≥ 6   | 1400 | 2240 | 250 | 200 | 350 | 45 | 185 | 630 | 42 | 3100 | 200 | 1500 | 1375 | 545 |

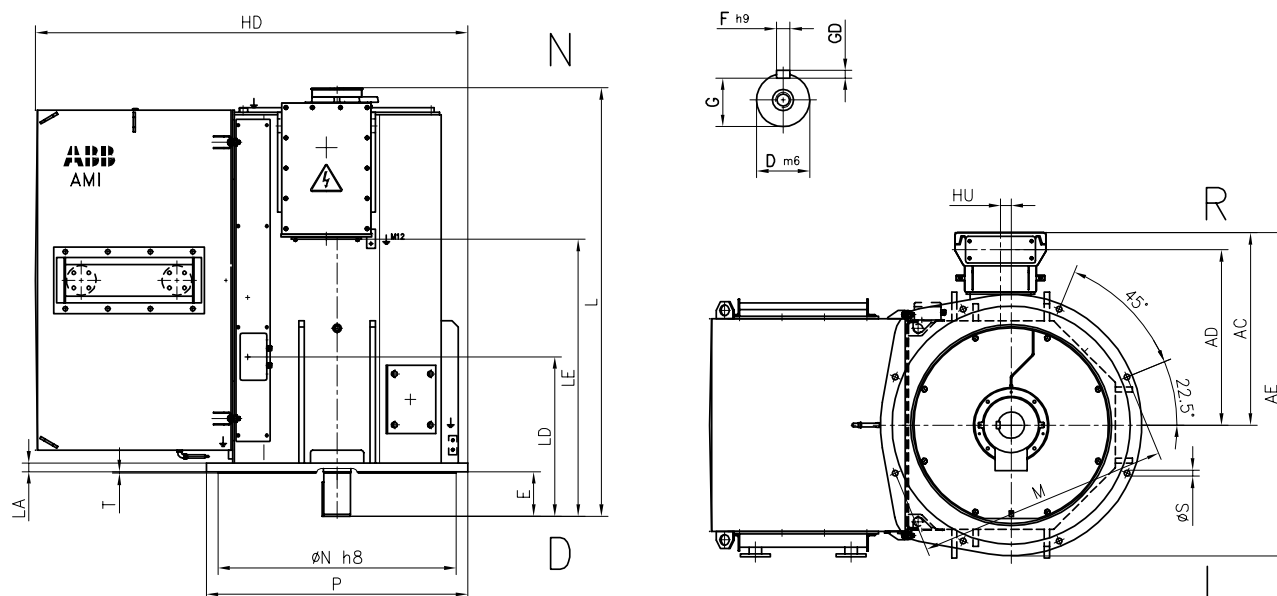
| AMI  | Poles | AE   | BA  | BB   | BC  | GD | HA   | HB  | HC   | LD  | LE   | HU  | D-end bearing     | N-end bearing |
|------|-------|------|-----|------|-----|----|------|-----|------|-----|------|-----|-------------------|---------------|
| 400L | 2     | 1400 | 545 | 1450 | 445 | 14 | 20   | 130 | 1670 | 615 | 1480 | 565 | 6319M/C3          | 6319M/C3      |
| 400L | ≥ 4   | 1400 | 545 | 1450 | 445 | 16 | 20   | 130 | 1670 | 655 | 1520 | 565 | 6324/C3           | 6319/C3       |
| 450L | 2     | 1500 | 575 | 1600 | 465 | 14 | 25   | 230 | 1870 | 710 | 1630 | 665 | 6319M/C3          | 6319M/C3      |
| 450L | ≥ 4   | 1500 | 575 | 1600 | 465 | 18 | 25   | 230 | 1870 | 750 | 1670 | 665 | 6326/C3           | 6322/C3       |
| 500L | ≥ 4   | 1605 | 645 | 1800 | 495 | 20 | 35   | 330 | 2070 | 860 | 1910 | 765 | 6330/C3           | 6324/C3       |
| 560L | ≥ 6   | 2125 | 400 | 2230 | 400 | 25 | 65.5 | 75  | 2095 | 765 | 2435 | 798 | 6038/C3+NU1038/C3 | NU1038/C3     |
| 630L | ≥ 6   | 2305 | 400 | 2470 | 400 | 25 | 65.5 | 225 | 2335 | 815 | 2725 | 948 | 6044/C3+NU1044/C3 | NU1044/C3     |

Table gives main dimensions in mm.

# Modular induction motors, type AMI

## Dimension drawings

Antifriction bearings,  $1 < U_N \leq 6.6 \text{ kV}$ , IM 4011, IC81W / IP55



| AMI  | Poles    | M    | N       | P    | S  | D   | E   | F  | G   | HD   | L    | LA | LD   | LE   |
|------|----------|------|---------|------|----|-----|-----|----|-----|------|------|----|------|------|
| 400L | $\geq 4$ | 1080 | 1000js6 | 1130 | 28 | 110 | 210 | 28 | 100 | 1835 | 1860 | 30 | 655  | 1150 |
| 450L | $\geq 4$ | 1180 | 1120h8  | 1230 | 28 | 125 | 210 | 32 | 114 | 2035 | 2020 | 40 | 750  | 1300 |
| 500L | $\geq 4$ | 1320 | 1250h8  | 1370 | 28 | 140 | 250 | 36 | 128 | 2255 | 2260 | 47 | 860  | 1540 |
| 560L | 4        | 1500 | 1400 h8 | 1600 | 28 | 160 | 300 | 40 | 147 | 2335 | 2870 | 65 | 1205 | 1790 |
| 560L | $\geq 6$ | 1500 | 1400 h8 | 1600 | 28 | 180 | 300 | 45 | 165 | 2335 | 2870 | 65 | 1205 | 1790 |
| 630L | 4        | 1700 | 1600 h8 | 1800 | 28 | 180 | 300 | 45 | 165 | 2605 | 3120 | 65 | 1205 | 2030 |
| 630L | $\geq 6$ | 1700 | 1600 h8 | 1800 | 28 | 200 | 350 | 45 | 185 | 2605 | 3170 | 65 | 1255 | 2080 |

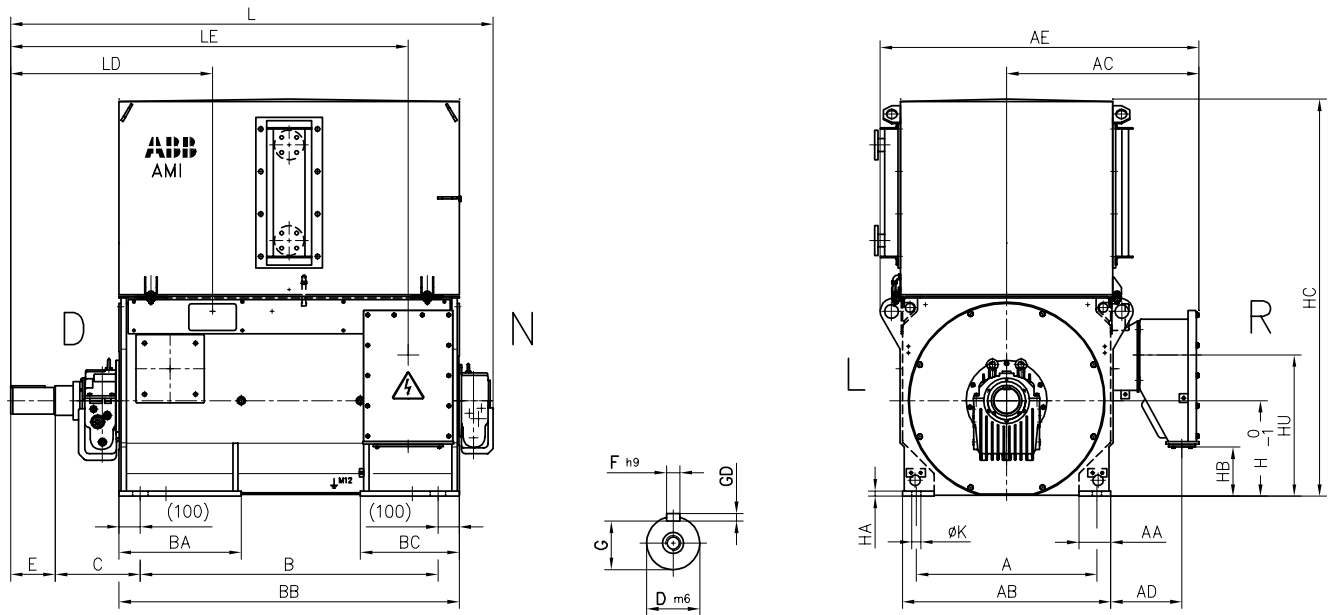
| AMI  | Poles    | T  | AC   | AD   | AE   | GD | HU | D-end bearing | N-end bearing |
|------|----------|----|------|------|------|----|----|---------------|---------------|
| 400L | $\geq 4$ | 6  | 855  | 775  | 1425 | 16 | 50 | 6324/C3       | 7319B         |
| 450L | $\geq 4$ | 7  | 905  | 825  | 1525 | 18 | 50 | 6326/C3       | 7322B         |
| 500L | $\geq 4$ | 8  | 955  | 875  | 1645 | 20 | 50 | 6330/C3       | 7324B         |
| 560L | 4        | 10 | 1360 | 1215 | 2160 | 22 | 40 | 6038/C3       | 7330 B        |
| 560L | $\geq 6$ | 10 | 1360 | 1215 | 2160 | 25 | 40 | 6038/C3       | 7330 B        |
| 630L | 4        | 10 | 1455 | 1310 | 2355 | 25 | 40 | 6044/C3       | 7334 B        |
| 630L | $\geq 6$ | 10 | 1455 | 1310 | 2355 | 25 | 40 | 6044/C3       | 7334 B        |

Table gives main dimensions in mm.

# Modular induction motors, type AMI

## Dimension drawings

Sleeve bearings,  $1 < UN \leq 6.6 \text{ kV}$ , IM 1001, IC81W / IP55



| AMI  | Poles    | A    | B    | C   | D   | E   | F  | G   | H   | K  | L    | AA  | AB   | AC   | AD  | AE   | BA  |
|------|----------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|-----|------|-----|
| 400L | 2        | 750  | 1250 | 375 | 85  | 170 | 22 | 76  | 400 | 35 | 2065 | 150 | 880  | 855  | 335 | 1400 | 545 |
| 400L | $\geq 4$ | 750  | 1250 | 375 | 110 | 210 | 28 | 100 | 400 | 35 | 2100 | 150 | 880  | 855  | 335 | 1400 | 545 |
| 450L | 2        | 850  | 1400 | 375 | 90  | 170 | 25 | 81  | 450 | 42 | 2215 | 150 | 980  | 905  | 335 | 1500 | 575 |
| 450L | $\geq 4$ | 850  | 1400 | 400 | 125 | 210 | 32 | 114 | 450 | 42 | 2275 | 150 | 980  | 905  | 335 | 1500 | 575 |
| 500L | 2        | 950  | 1600 | 375 | 110 | 210 | 28 | 100 | 500 | 42 | 2485 | 150 | 1080 | 955  | 335 | 1605 | 645 |
| 500L | $\geq 4$ | 950  | 1600 | 450 | 140 | 250 | 36 | 128 | 500 | 42 | 2595 | 150 | 1080 | 955  | 335 | 1605 | 645 |
| 560L | 2        | 1180 | 2000 | 400 | 140 | 250 | 36 | 128 | 560 | 42 | 2910 | 200 | 1320 | 1285 | 545 | 2125 | 400 |
| 560L | 4        | 1180 | 2000 | 500 | 160 | 300 | 40 | 147 | 560 | 42 | 3190 | 200 | 1320 | 1285 | 545 | 2125 | 400 |
| 630L | 2        | 1400 | 2240 | 400 | 160 | 300 | 40 | 147 | 630 | 42 | 3200 | 200 | 1500 | 1375 | 545 | 2305 | 400 |
| 630L | 4        | 1400 | 2240 | 500 | 180 | 300 | 45 | 165 | 630 | 42 | 3430 | 200 | 1500 | 1375 | 545 | 2305 | 400 |

| AMI  | Poles    | BB   | BC  | GD | HA   | HB  | HC   | LD   | LE   | HU  | D-end bearing | N-end bearing |
|------|----------|------|-----|----|------|-----|------|------|------|-----|---------------|---------------|
| 400L | 2        | 1450 | 445 | 14 | 20   | 130 | 1670 | 790  | 1655 | 565 | EFZLB9-80     | EFZLQ9-80     |
| 400L | $\geq 4$ | 1450 | 445 | 16 | 20   | 130 | 1670 | 830  | 1695 | 565 | EFZLB9-100    | EFZLQ 9-100   |
| 450L | 2        | 1600 | 465 | 14 | 25   | 230 | 1870 | 885  | 1805 | 665 | EFZLB9-80     | EFZLQ 9-80    |
| 450L | $\geq 4$ | 1600 | 465 | 18 | 25   | 230 | 1870 | 950  | 1870 | 665 | EFZLB11-125   | EFZLQ9-100    |
| 500L | 2        | 1800 | 495 | 16 | 35   | 330 | 2070 | 995  | 2045 | 765 | EFNLB11-90    | EFNLB11-90    |
| 500L | 4        | 1800 | 495 | 20 | 35   | 330 | 2070 | 1110 | 2160 | 765 | EFZLB14-125   | EFZLQ11-125   |
| 500L | $\geq 6$ | 1800 | 495 | 20 | 35   | 330 | 2070 | 1110 | 2160 | 765 | EFZLB14-140   | EFZLQ11-125   |
| 560L | 2        | 2230 | 400 | 20 | 65.5 | 75  | 2345 | 865  | 2535 | 798 | EMZLB14-140   | EMZLB14-140   |
| 560L | 4        | 2230 | 400 | 22 | 65.5 | 75  | 2095 | 1015 | 2685 | 798 | EFNLB18-160   | EFNLQ18-160   |
| 630L | 2        | 2470 | 400 | 22 | 65.5 | 225 | 2495 | 915  | 2825 | 948 | EMZLB14-160   | EMZLB14-160   |
| 630L | 4        | 2470 | 400 | 25 | 65.5 | 225 | 2335 | 1015 | 2925 | 948 | EFNLB18-160   | EFNLQ18-160   |

Note: Axial float of rotor as standard  $\pm 8 \text{ mm}$ .

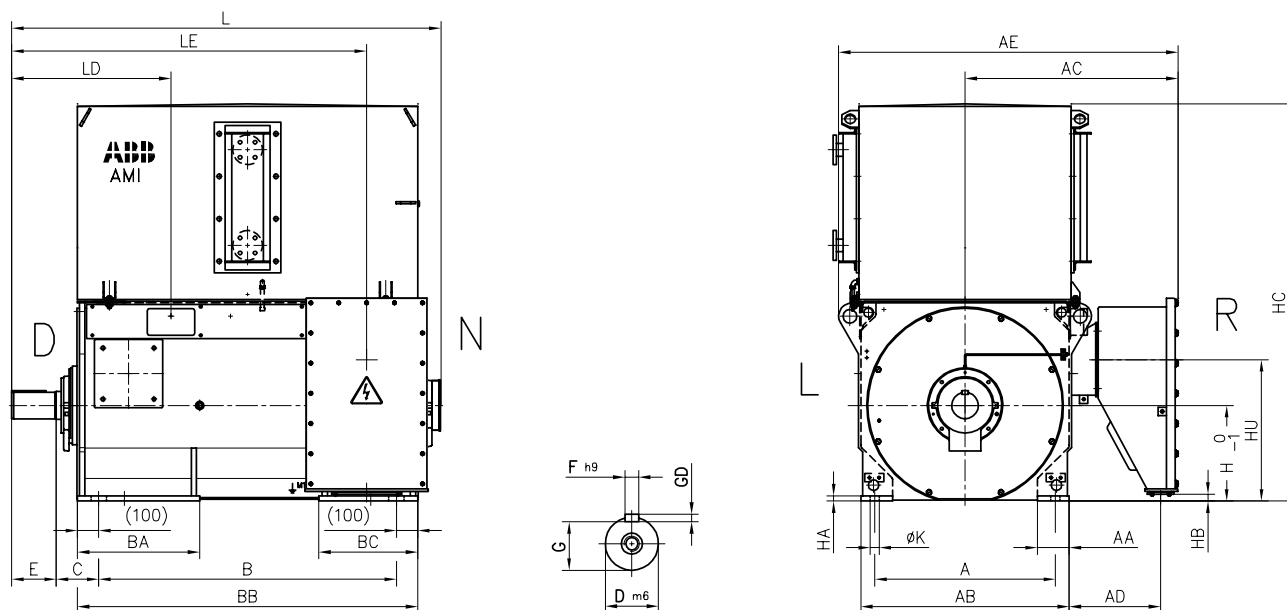
Note: The bearing cannot withstand continuous axial forces.

Table gives main dimensions in mm.

# Modular induction motors, type AMI

## Dimension drawings

Antifriction bearings,  $6.6 < U_N \leq 11$  kV, IM 1001, IC81W / IP55



| AMI  | Poles    | A    | B    | C   | D   | E   | F  | G   | H   | K  | L    | AA  | AB   | AC   | AD  |
|------|----------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|-----|
| 450L | 2        | 850  | 1400 | 200 | 90  | 170 | 25 | 81  | 450 | 42 | 1975 | 150 | 980  | 1005 | 430 |
| 450L | $\geq 4$ | 850  | 1400 | 200 | 125 | 210 | 32 | 114 | 450 | 42 | 2025 | 150 | 980  | 1005 | 430 |
| 500L | $\geq 4$ | 950  | 1600 | 200 | 140 | 250 | 36 | 128 | 500 | 42 | 2265 | 150 | 1080 | 1055 | 430 |
| 560L | $\geq 6$ | 1180 | 2000 | 250 | 180 | 300 | 45 | 165 | 560 | 42 | 2750 | 200 | 1320 | 1285 | 540 |
| 630L | $\geq 6$ | 1400 | 2240 | 250 | 200 | 350 | 45 | 185 | 630 | 42 | 3035 | 200 | 1500 | 1375 | 540 |

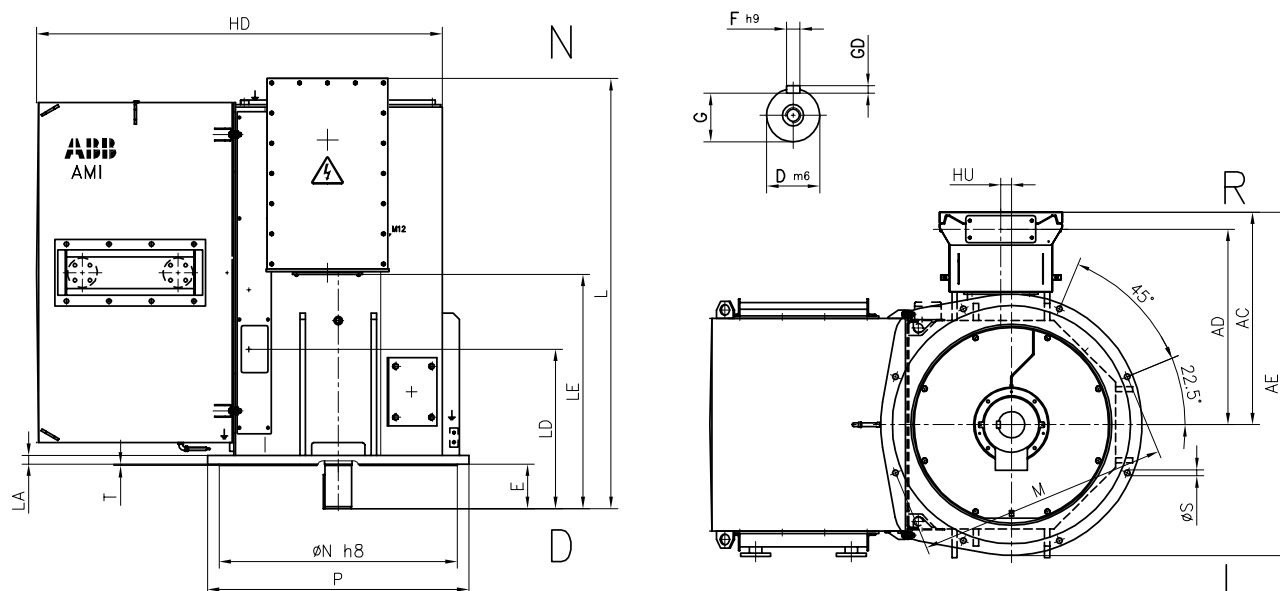
| AMI  | Poles    | AE   | BA  | BB   | BC  | GD | HA   | HB  | HC   | LD  | LE   | HU  | D-end bearing     | N-end bearing |
|------|----------|------|-----|------|-----|----|------|-----|------|-----|------|-----|-------------------|---------------|
| 450L | 2        | 1600 | 575 | 1600 | 465 | 14 | 25   | 35  | 1870 | 710 | 1630 | 665 | 6319M/C3          | 6319M/C3      |
| 450L | $\geq 4$ | 1600 | 575 | 1600 | 465 | 18 | 25   | 35  | 1870 | 750 | 1670 | 665 | 6326/C3           | 6322/C3       |
| 500L | $\geq 4$ | 1700 | 645 | 1800 | 495 | 20 | 35   | 135 | 2070 | 860 | 1910 | 765 | 6330/C3           | 6324/C3       |
| 560L | $\geq 6$ | 2125 | 400 | 2230 | 400 | 25 | 65.5 | 165 | 2095 | 765 | 2435 | 798 | 6038/C3+NU1038/C3 | NU1038/C3     |
| 630L | $\geq 6$ | 2305 | 400 | 2470 | 400 | 25 | 65.5 | 315 | 2335 | 815 | 2725 | 948 | 6044/C3+NU1044/C3 | NU1044/C3     |

Table gives main dimensions in mm.

# Modular induction motors, type AMI

## Dimension drawings

Antifriction bearings,  $6.6 < UN \leq 11$  kV, IM 4011, IC81W / IP55



| AMI  | Poles | M    | N       | P    | S  | D   | E   | F  | G   | HD   | L    | LA | LD   | LE   |
|------|-------|------|---------|------|----|-----|-----|----|-----|------|------|----|------|------|
| 450L | ≥ 4   | 1180 | 1120h8  | 1230 | 28 | 125 | 210 | 32 | 114 | 2035 | 2030 | 40 | 750  | 1100 |
| 500L | ≥ 4   | 1320 | 1250h8  | 1370 | 28 | 140 | 250 | 36 | 128 | 2255 | 2270 | 47 | 860  | 1340 |
| 560L | 4     | 1500 | 1400 h8 | 1600 | 28 | 160 | 300 | 40 | 147 | 2335 | 2840 | 65 | 1205 | 1880 |
| 560L | ≥ 6   | 1500 | 1400 h8 | 1600 | 28 | 180 | 300 | 45 | 165 | 2335 | 2840 | 65 | 1205 | 1880 |
| 630L | 4     | 1700 | 1600 h8 | 1800 | 28 | 180 | 300 | 45 | 165 | 2605 | 3120 | 65 | 1205 | 2120 |
| 630L | ≥ 6   | 1700 | 1600 h8 | 1800 | 28 | 200 | 350 | 45 | 185 | 2605 | 3170 | 65 | 1255 | 2170 |

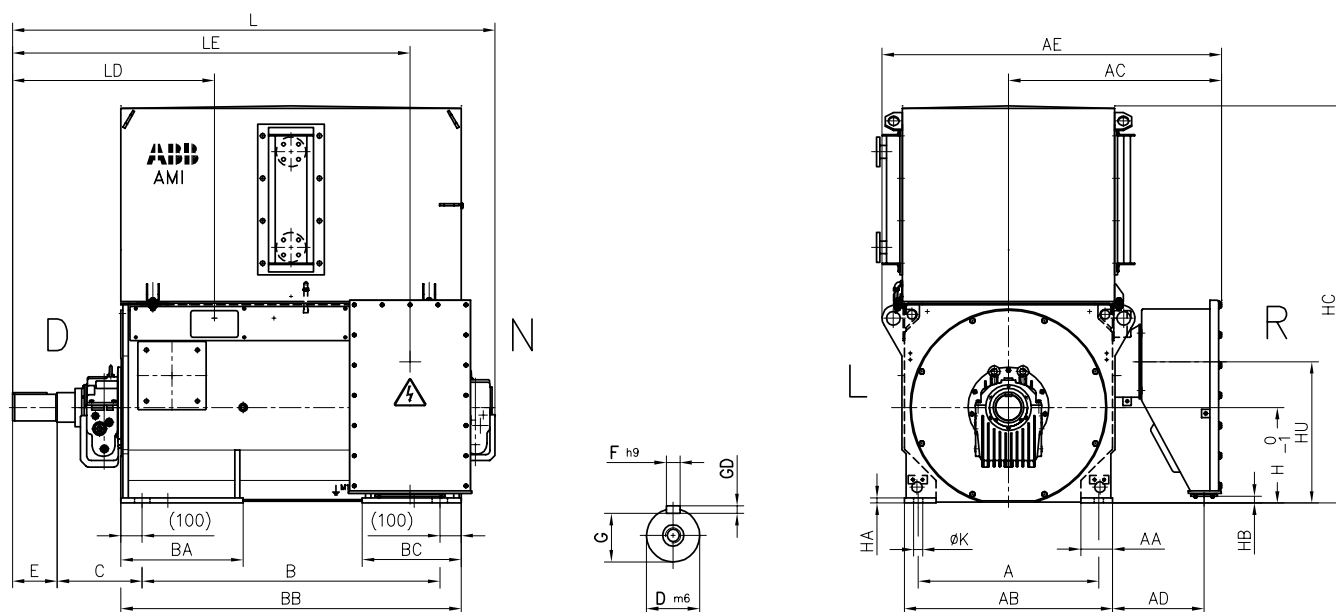
| AMI  | Poles | T  | AC   | AD   | AE   | GD | HU | D-end bearing | N-end bearing |
|------|-------|----|------|------|------|----|----|---------------|---------------|
| 450L | ≥ 4   | 7  | 1000 | 920  | 1620 | 18 | 50 | 6326/C3       | 7322B         |
| 500L | ≥ 4   | 8  | 1050 | 970  | 1740 | 20 | 50 | 6330/C3       | 7324B         |
| 560L | 4     | 10 | 1350 | 1210 | 2150 | 22 | 40 | 6038/C3       | 7330 B        |
| 560L | ≥ 6   | 10 | 1350 | 1220 | 2150 | 25 | 40 | 6038/C3       | 7330 B        |
| 630L | 4     | 10 | 1440 | 1315 | 2345 | 25 | 35 | 6044/C3       | 7334 B        |
| 630L | ≥ 6   | 10 | 1445 | 1315 | 2345 | 25 | 35 | 6044/C3       | 7334 B        |

Table gives main dimensions in mm.

# Modular induction motors, type AMI

## Dimension drawings

Sleeve bearings,  $6.6 < U_N \leq 11$  kV, IM 1001, IC81W / IP55



| AMI  | Poles    | A    | B    | C   | D   | E   | F  | G   | H   | K  | L    | AA  | AB   | AC   | AD  | AE   | BA  |
|------|----------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|-----|------|-----|
| 450L | 2        | 850  | 1400 | 375 | 90  | 170 | 25 | 81  | 450 | 42 | 2215 | 150 | 980  | 1005 | 430 | 1600 | 575 |
| 450L | $\geq 4$ | 850  | 1400 | 400 | 125 | 210 | 32 | 114 | 450 | 42 | 2275 | 150 | 980  | 1005 | 430 | 1600 | 575 |
| 500L | 2        | 950  | 1600 | 375 | 110 | 210 | 28 | 100 | 500 | 42 | 2485 | 150 | 1080 | 1055 | 430 | 1700 | 645 |
| 500L | $\geq 4$ | 950  | 1600 | 450 | 140 | 250 | 36 | 128 | 500 | 42 | 2595 | 150 | 1080 | 1055 | 430 | 1700 | 645 |
| 560L | 2        | 1180 | 2000 | 400 | 140 | 250 | 36 | 128 | 560 | 42 | 2910 | 200 | 1320 | 1285 | 540 | 2125 | 400 |
| 560L | 4        | 1180 | 2000 | 500 | 160 | 300 | 40 | 147 | 560 | 42 | 3190 | 200 | 1320 | 1285 | 540 | 2125 | 400 |
| 630L | 2        | 1400 | 2240 | 400 | 160 | 300 | 40 | 147 | 630 | 42 | 3165 | 200 | 1500 | 1375 | 540 | 2305 | 400 |
| 630L | 4        | 1400 | 2240 | 500 | 180 | 300 | 45 | 165 | 630 | 42 | 3430 | 200 | 1500 | 1375 | 540 | 2305 | 400 |

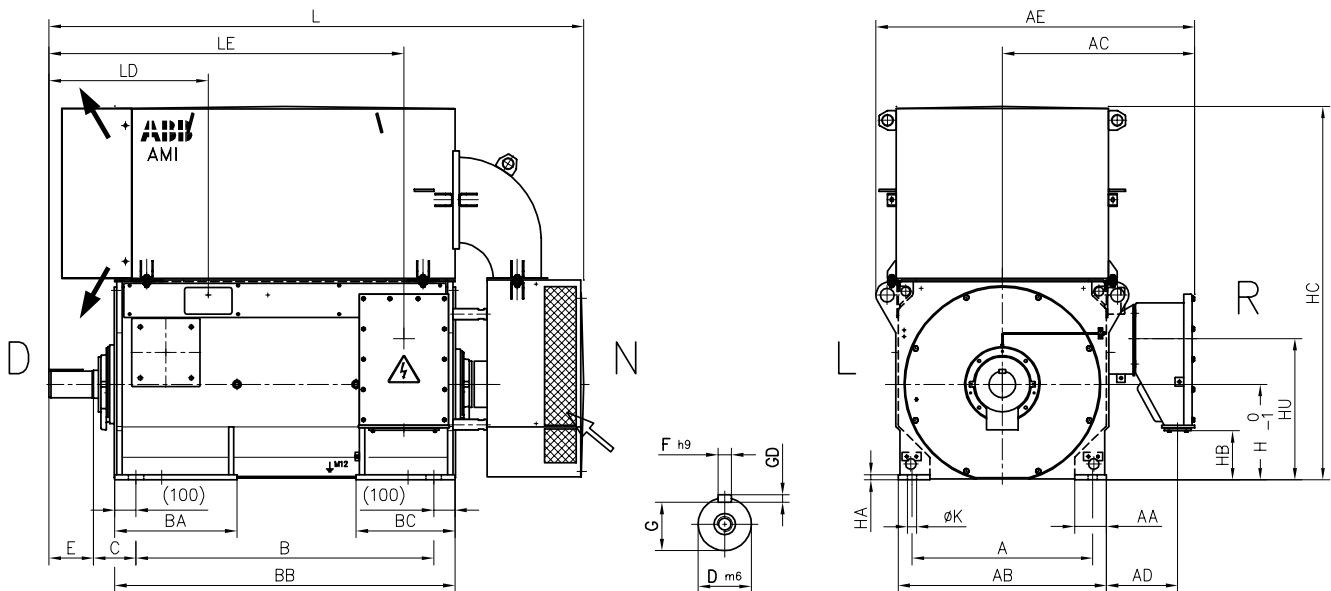
| AMI  | Poles    | BB   | BC  | GD | HA   | HB  | HC   | LD   | LE   | HU  | D-end bearing | N-end bearing |
|------|----------|------|-----|----|------|-----|------|------|------|-----|---------------|---------------|
| 450L | 2        | 1600 | 465 | 14 | 25   | 35  | 1870 | 885  | 1805 | 665 | EFZLB9-80     | EFZLQ 9-80    |
| 450L | $\geq 4$ | 1600 | 465 | 18 | 25   | 35  | 1870 | 950  | 1870 | 665 | EFZLB11-125   | EFZLQ9-100    |
| 500L | 2        | 1800 | 495 | 16 | 35   | 135 | 2070 | 995  | 2045 | 765 | EFNLB11-90    | EFNLB11-90    |
| 500L | 4        | 1800 | 495 | 20 | 35   | 135 | 2070 | 1110 | 2160 | 765 | EFZLB14-125   | EFZLQ11-125   |
| 500L | $\geq 6$ | 1800 | 495 | 20 | 35   | 135 | 2070 | 1110 | 2160 | 765 | EFZLB14-140   | EFZLQ11-125   |
| 560L | 2        | 2230 | 400 | 20 | 65.5 | 165 | 2345 | 865  | 2535 | 798 | EMZLB14-140   | EMZLB14-140   |
| 560L | 4        | 2230 | 400 | 22 | 65.5 | 165 | 2095 | 1015 | 2685 | 798 | EFNLB18-160   | EFNLQ18-160   |
| 630L | 2        | 2470 | 400 | 22 | 65.5 | 315 | 2495 | 915  | 2825 | 948 | EMZLB14-160   | EMZLB14-160   |
| 630L | 4        | 2470 | 400 | 25 | 65.5 | 315 | 2335 | 1015 | 2925 | 948 | EFNLB18-160   | EFNLQ18-160   |

Table gives main dimensions in mm.

# Modular induction motors, type AMI

## Dimension drawings

Antifriction bearings,  $1 < UN \leq 6.6 \text{ kV}$ , IM 1001, IC611 / IP55



| AMI  | Poles    | A    | B    | C   | D   | E   | F  | G   | H   | K  | L    | AA  | AB   | AC   | AD  |
|------|----------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|-----|
| 400L | 2        | 750  | 1250 | 200 | 85  | 170 | 22 | 76  | 400 | 35 | 2290 | 150 | 880  | 855  | 335 |
| 400L | $\geq 4$ | 750  | 1250 | 200 | 110 | 210 | 28 | 100 | 400 | 35 | 2330 | 150 | 880  | 855  | 335 |
| 450L | 2        | 850  | 1400 | 200 | 90  | 170 | 25 | 81  | 450 | 42 | 2480 | 150 | 980  | 905  | 335 |
| 450L | $\geq 4$ | 850  | 1400 | 200 | 125 | 210 | 32 | 114 | 450 | 42 | 2520 | 150 | 980  | 905  | 335 |
| 500L | $\geq 4$ | 950  | 1600 | 200 | 140 | 250 | 36 | 128 | 500 | 42 | 2830 | 150 | 1080 | 955  | 335 |
| 560L | $\geq 6$ | 1180 | 2000 | 250 | 180 | 300 | 45 | 165 | 560 | 42 | 3395 | 200 | 1320 | 1285 | 545 |
| 630L | $\geq 6$ | 1400 | 2240 | 250 | 200 | 350 | 45 | 185 | 630 | 42 | 3685 | 200 | 1500 | 1375 | 545 |

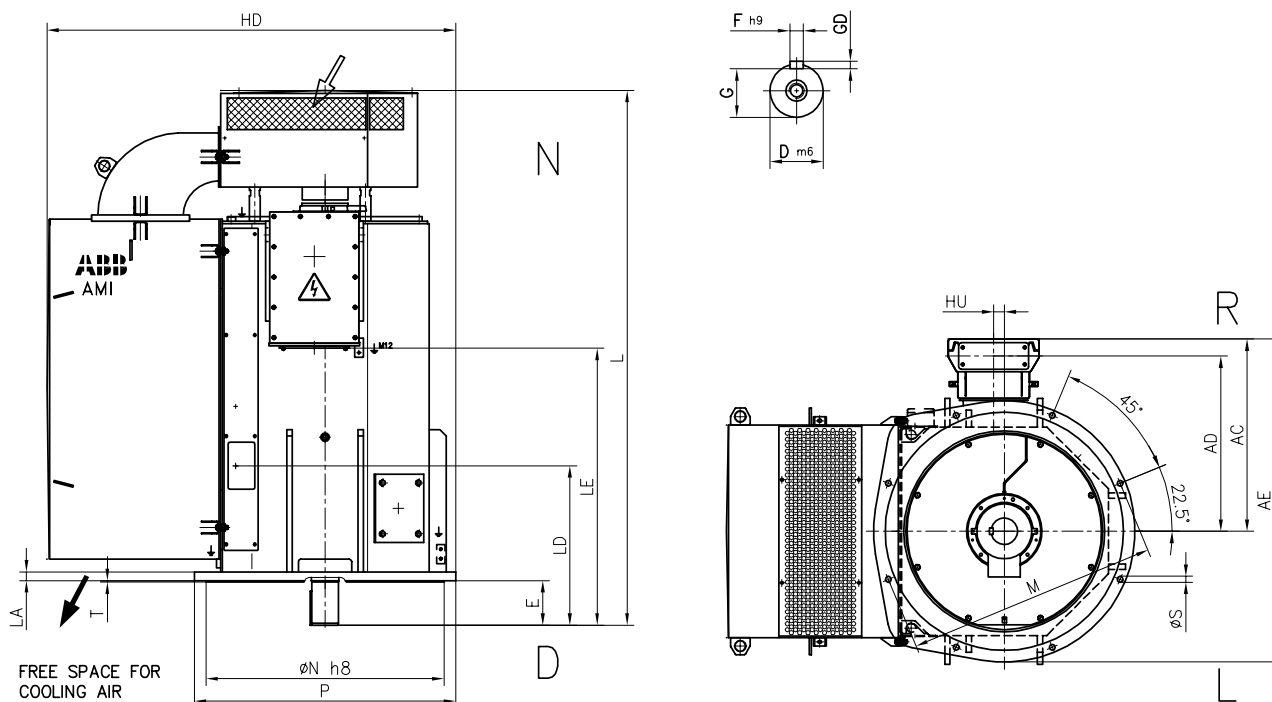
| AMI  | Poles    | AE   | BA  | BB   | BC  | GD | HA   | HB  | HC   | LD  | LE   | HU  | D-end bearing     | N-end bearing |
|------|----------|------|-----|------|-----|----|------|-----|------|-----|------|-----|-------------------|---------------|
| 400L | 2        | 1400 | 545 | 1450 | 445 | 14 | 20   | 130 | 1590 | 615 | 1480 | 565 | 6319M/C3          | 6319M/C3      |
| 400L | $\geq 4$ | 1400 | 545 | 1450 | 445 | 16 | 20   | 130 | 1590 | 655 | 1520 | 565 | 6324/C3           | 6319/C3       |
| 450L | 2        | 1500 | 575 | 1600 | 465 | 14 | 25   | 230 | 1760 | 710 | 1630 | 665 | 6319M/C3          | 6319M/C3      |
| 450L | $\geq 4$ | 1500 | 575 | 1600 | 465 | 18 | 25   | 230 | 1760 | 750 | 1670 | 665 | 6326/C3           | 6322/C3       |
| 500L | $\geq 4$ | 1605 | 645 | 1800 | 495 | 20 | 35   | 330 | 1960 | 860 | 1910 | 765 | 6330/C3           | 6324/C3       |
| 560L | $\geq 6$ | 2125 | 400 | 2230 | 400 | 25 | 65.5 | 75  | 2100 | 765 | 2435 | 798 | 6038/C3+NU1038/C3 | NU1038/C3     |
| 630L | $\geq 6$ | 2305 | 400 | 2470 | 400 | 25 | 65.5 | 225 | 2320 | 815 | 2725 | 948 | 6044/C3+NU1044/C3 | NU1044/C3     |

Table gives main dimensions in mm.

# Modular induction motors, type AMI

## Dimension drawings

Antifriction bearings,  $1 < U_N \leq 6.6 \text{ kV}$ , IM 4011, IC611 / IP55



| AMI  | Poles | M    | N       | P    | S  | D   | E   | F  | G   | HD   | L    | LA | LD   | LE   |
|------|-------|------|---------|------|----|-----|-----|----|-----|------|------|----|------|------|
| 400L | ≥ 4   | 1080 | 1000js6 | 1130 | 28 | 110 | 210 | 28 | 100 | 1755 | 2330 | 30 | 655  | 1150 |
| 450L | ≥ 4   | 1180 | 1120h8  | 1230 | 28 | 125 | 210 | 32 | 114 | 1925 | 2520 | 40 | 750  | 1300 |
| 500L | ≥ 4   | 1320 | 1250h8  | 1370 | 28 | 140 | 250 | 36 | 128 | 2145 | 2830 | 47 | 860  | 1540 |
| 560L | 4     | 1500 | 1400 h8 | 1600 | 28 | 160 | 300 | 40 | 147 | 2340 | 3475 | 65 | 1205 | 1790 |
| 560L | ≥ 6   | 1500 | 1400 h8 | 1600 | 28 | 180 | 300 | 45 | 165 | 2340 | 3475 | 65 | 1205 | 1790 |
| 630L | 4     | 1700 | 1600 h8 | 1800 | 28 | 180 | 300 | 45 | 165 | 2590 | 3715 | 65 | 1205 | 2030 |
| 630L | ≥ 6   | 1700 | 1600 h8 | 1800 | 28 | 200 | 350 | 45 | 185 | 2590 | 3765 | 65 | 1255 | 2080 |

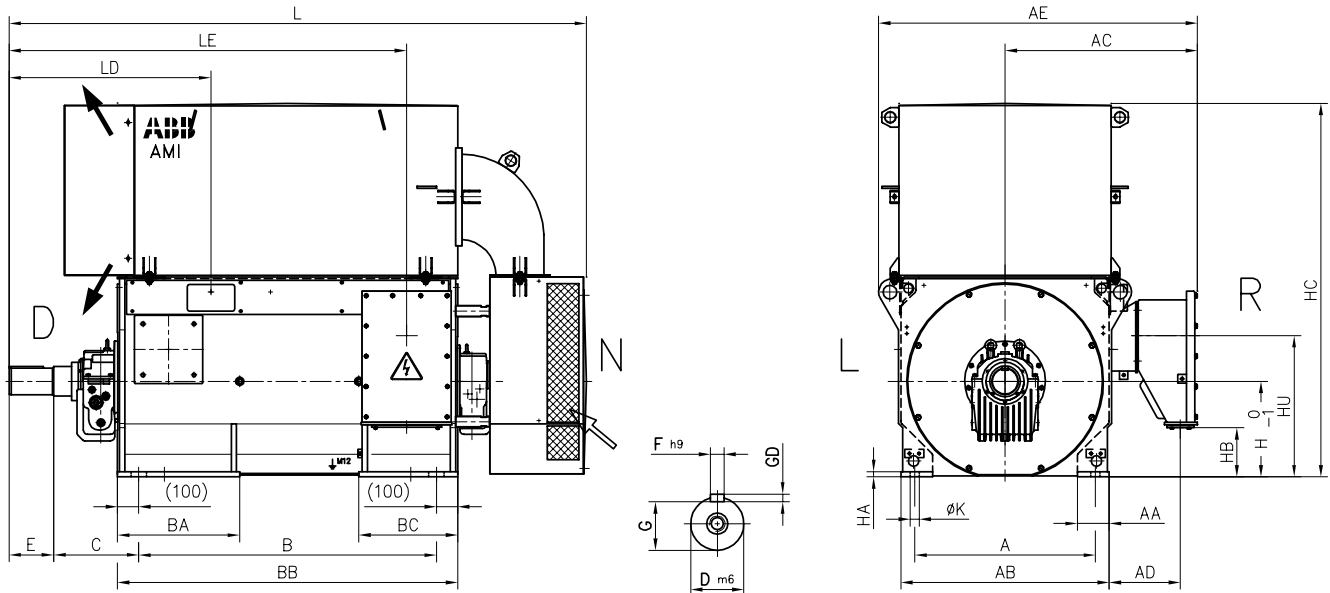
| AMI  | Poles | T  | AC   | AD   | AE   | GD | HU | D-end bearing | N-end bearing |
|------|-------|----|------|------|------|----|----|---------------|---------------|
| 400L | ≥ 4   | 6  | 855  | 775  | 1425 | 16 | 50 | 6324/C3       | 7319B         |
| 450L | ≥ 4   | 7  | 905  | 825  | 1525 | 18 | 50 | 6326/C3       | 7322B         |
| 500L | ≥ 4   | 8  | 955  | 875  | 1645 | 20 | 50 | 6330/C3       | 7324B         |
| 560L | 4     | 10 | 1360 | 1215 | 2160 | 22 | 40 | 6038/C3       | 7330 B        |
| 560L | ≥ 6   | 10 | 1360 | 1215 | 2160 | 25 | 40 | 6038/C3       | 7330 B        |
| 630L | 4     | 10 | 1455 | 1310 | 2355 | 25 | 40 | 6044/C3       | 7334 B        |
| 630L | ≥ 6   | 10 | 1455 | 1310 | 2355 | 25 | 40 | 6044/C3       | 7334 B        |

Table gives main dimensions in mm.

# Modular induction motors, type AMI

## Dimension drawings

Sleeve bearings,  $1 < UN \leq 6.6$  kV, IM 1001, IC611 / IP55



| AMI  | Poles    | A    | B    | C   | D   | E   | F  | G   | H   | K  | L    | AA  | AB   | AC   | AD  | AE   | BA  |
|------|----------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|-----|------|-----|
| 400L | 2        | 750  | 1250 | 375 | 85  | 170 | 22 | 76  | 400 | 35 | 2465 | 150 | 880  | 855  | 335 | 1400 | 545 |
| 400L | $\geq 4$ | 750  | 1250 | 375 | 110 | 210 | 28 | 100 | 400 | 35 | 2505 | 150 | 880  | 855  | 335 | 1400 | 545 |
| 450L | 2        | 850  | 1400 | 375 | 90  | 170 | 25 | 81  | 450 | 42 | 2655 | 150 | 980  | 905  | 335 | 1500 | 575 |
| 450L | $\geq 4$ | 850  | 1400 | 400 | 125 | 210 | 32 | 114 | 450 | 42 | 2720 | 150 | 980  | 905  | 335 | 1500 | 575 |
| 500L | 2        | 950  | 1600 | 375 | 110 | 210 | 28 | 100 | 500 | 42 | 2965 | 150 | 1080 | 955  | 335 | 1605 | 645 |
| 500L | $\geq 4$ | 950  | 1600 | 450 | 140 | 250 | 36 | 128 | 500 | 42 | 3080 | 150 | 1080 | 955  | 335 | 1605 | 645 |
| 560L | 2        | 1180 | 2000 | 400 | 140 | 250 | 36 | 128 | 560 | 42 | 4355 | 200 | 1320 | 1285 | 545 | 1915 | 400 |
| 560L | 4        | 1180 | 2000 | 500 | 160 | 300 | 40 | 147 | 560 | 42 | 3645 | 200 | 1320 | 1285 | 545 | 2125 | 400 |
| 630L | 2        | 1400 | 2240 | 400 | 160 | 300 | 40 | 147 | 630 | 42 | 4675 | 200 | 1500 | 1375 | 545 | 2125 | 400 |
| 630L | 4        | 1400 | 2240 | 500 | 180 | 300 | 45 | 165 | 630 | 42 | 3885 | 200 | 1500 | 1375 | 545 | 2305 | 400 |

| AMI  | Poles    | BB   | BC  | GD | HA   | HB  | HC   | LD   | LE   | HU  | D-end bearing            | N-end bearing            |
|------|----------|------|-----|----|------|-----|------|------|------|-----|--------------------------|--------------------------|
| 400L | 2        | 1450 | 445 | 14 | 20   | 130 | 1590 | 790  | 1655 | 565 | EFZLB9-80                | EFZLQ9-80                |
| 400L | $\geq 4$ | 1450 | 445 | 16 | 20   | 130 | 1590 | 830  | 1695 | 565 | EFZLB9-100               | EFZLQ 9-100              |
| 450L | 2        | 1600 | 465 | 14 | 25   | 230 | 1760 | 885  | 1805 | 665 | EFZLB9-80                | EFZLQ 9-80               |
| 450L | $\geq 4$ | 1600 | 465 | 18 | 25   | 230 | 1760 | 950  | 1870 | 665 | EFZLB11-125              | EFZLQ9-100               |
| 500L | 2        | 1800 | 495 | 16 | 35   | 330 | 1960 | 995  | 2045 | 765 | EFZLB9-100 <sup>1)</sup> | EFZLQ9-100 <sup>1)</sup> |
| 500L | 4        | 1800 | 495 | 20 | 35   | 330 | 1960 | 1110 | 2160 | 765 | EFZLB14-125              | EFZLQ11-125              |
| 500L | $\geq 6$ | 1800 | 495 | 20 | 35   | 330 | 1960 | 1110 | 2160 | 765 | EFZLB14-140              | EFZLQ11-125              |
| 560L | 2        | 2230 | 400 | 20 | 65.5 | 75  | 2100 | 865  | 2535 | 798 | EMZLB14-140              | EMZLB14-140              |
| 560L | 4        | 2230 | 400 | 22 | 65.5 | 75  | 2100 | 1015 | 2685 | 798 | EFNLB18-160              | EFNLQ18-160              |
| 630L | 2        | 2470 | 400 | 22 | 65.5 | 225 | 2320 | 915  | 2825 | 948 | EMZLB14-160              | EMZLB14-160              |
| 630L | 4        | 2470 | 400 | 25 | 65.5 | 225 | 2320 | 1015 | 2925 | 948 | EFNLB18-160              | EFNLQ18-160              |

<sup>1)</sup> With oil circulation as standard.

Note: Axial float of rotor as standard  $\pm 8$  mm.

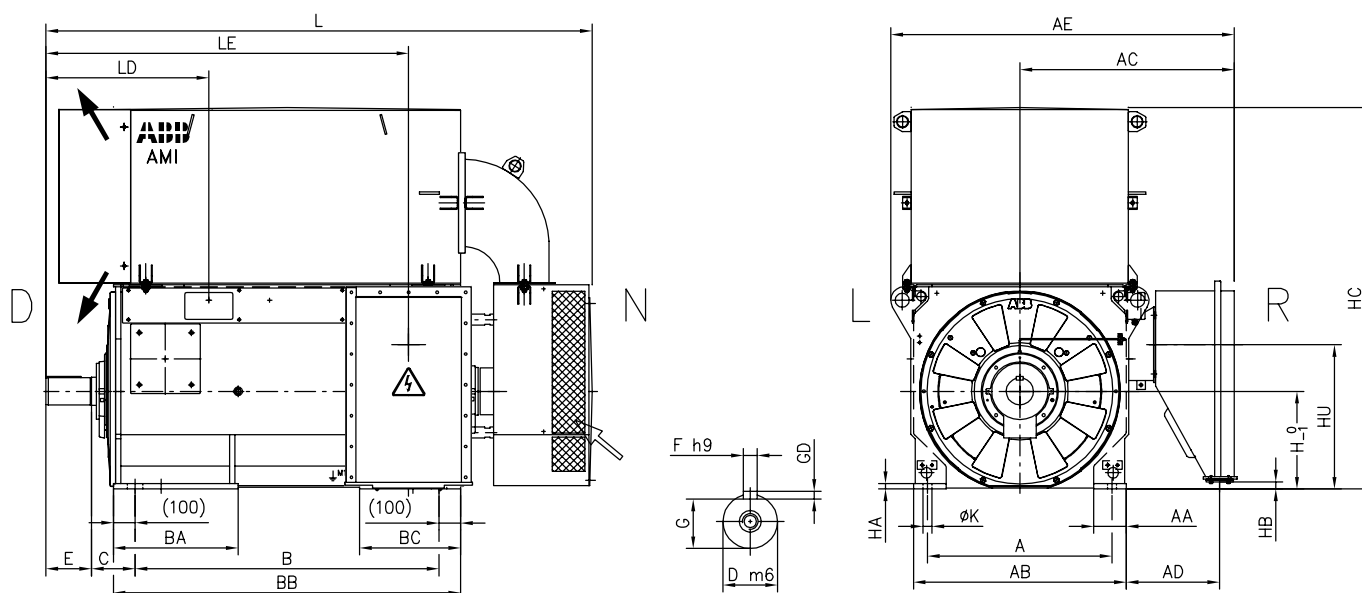
Note: The bearing cannot withstand continuous axial forces.

Table gives main dimensions in mm.

# Modular induction motors, type AMI

## Dimension drawings

Antifriction bearings,  $6.6 < U_N \leq 11$  kV, IM 1001, IC611 / IP55



| AMI  | Poles    | A    | B    | C   | D   | E   | F  | G   | H   | K  | L    | AA  | AB   | AC   | AD  |
|------|----------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|-----|
| 450L | 2        | 850  | 1400 | 200 | 90  | 170 | 25 | 81  | 450 | 42 | 2480 | 150 | 980  | 1005 | 430 |
| 450L | $\geq 4$ | 850  | 1400 | 200 | 125 | 210 | 32 | 114 | 450 | 42 | 2520 | 150 | 980  | 1005 | 430 |
| 500L | $\geq 4$ | 950  | 1600 | 200 | 140 | 250 | 36 | 128 | 500 | 42 | 2830 | 150 | 1080 | 1055 | 430 |
| 560L | $\geq 6$ | 1180 | 2000 | 250 | 180 | 300 | 45 | 165 | 560 | 42 | 3395 | 200 | 1320 | 1285 | 540 |
| 630L | $\geq 6$ | 1400 | 2240 | 250 | 200 | 350 | 45 | 185 | 630 | 42 | 3685 | 200 | 1500 | 1375 | 540 |

| AMI  | Poles    | AE   | BA  | BB   | BC  | GD | HA   | HB  | HC   | LD  | LE   | HU  | D-end bearing     | N-end bearing |
|------|----------|------|-----|------|-----|----|------|-----|------|-----|------|-----|-------------------|---------------|
| 450L | 2        | 1600 | 575 | 1600 | 465 | 14 | 25   | 35  | 1760 | 710 | 1630 | 665 | 6319M/C3          | 6319M/C3      |
| 450L | $\geq 4$ | 1600 | 575 | 1600 | 465 | 18 | 25   | 35  | 1760 | 750 | 1670 | 665 | 6326/C3           | 6322/C3       |
| 500L | $\geq 4$ | 1700 | 645 | 1800 | 495 | 20 | 35   | 135 | 1960 | 860 | 1910 | 765 | 6330/C3           | 6324/C3       |
| 560L | $\geq 6$ | 2125 | 400 | 2230 | 400 | 25 | 65.5 | 165 | 2100 | 765 | 2435 | 798 | 6038/C3+NU1038/C3 | NU1038/C3     |
| 630L | $\geq 6$ | 2305 | 400 | 2470 | 400 | 25 | 65.5 | 315 | 2320 | 815 | 2725 | 948 | 6044/C3+NU1044/C3 | NU1044/C3     |

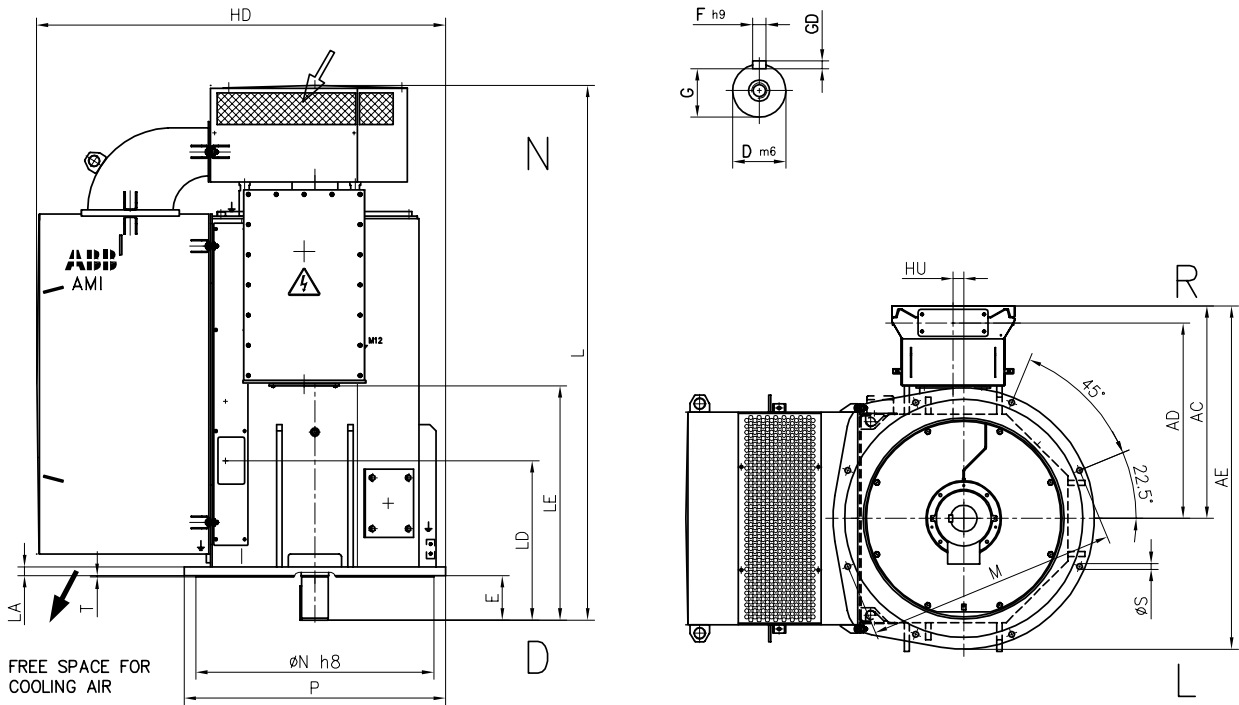
Table gives main dimensions in mm.



# Modular induction motors, type AMI

## Dimension drawings

Antifriction bearings,  $6.6 < UN \leq 11$  kV, IM 4011, IC611 / IP55



| AMI  | Poles | M    | N       | P    | S  | D   | E   | F  | G   | HD   | L    | LA | LD   | LE   |
|------|-------|------|---------|------|----|-----|-----|----|-----|------|------|----|------|------|
| 450L | ≥ 4   | 1180 | 1120h8  | 1230 | 28 | 125 | 210 | 32 | 114 | 1925 | 2520 | 40 | 750  | 1100 |
| 500L | ≥ 4   | 1320 | 1250h8  | 1370 | 28 | 140 | 250 | 36 | 128 | 2145 | 2830 | 47 | 860  | 1340 |
| 560L | 4     | 1500 | 1400 h8 | 1600 | 28 | 160 | 300 | 40 | 147 | 2340 | 3475 | 65 | 1205 | 1880 |
| 560L | ≥ 6   | 1500 | 1400 h8 | 1600 | 28 | 180 | 300 | 45 | 165 | 2340 | 3475 | 65 | 1205 | 1880 |
| 630L | 4     | 1700 | 1600 h8 | 1800 | 28 | 180 | 300 | 45 | 165 | 2590 | 3715 | 65 | 1205 | 2120 |
| 630L | ≥ 6   | 1700 | 1600 h8 | 1800 | 28 | 200 | 350 | 45 | 185 | 2590 | 3765 | 65 | 1255 | 2170 |

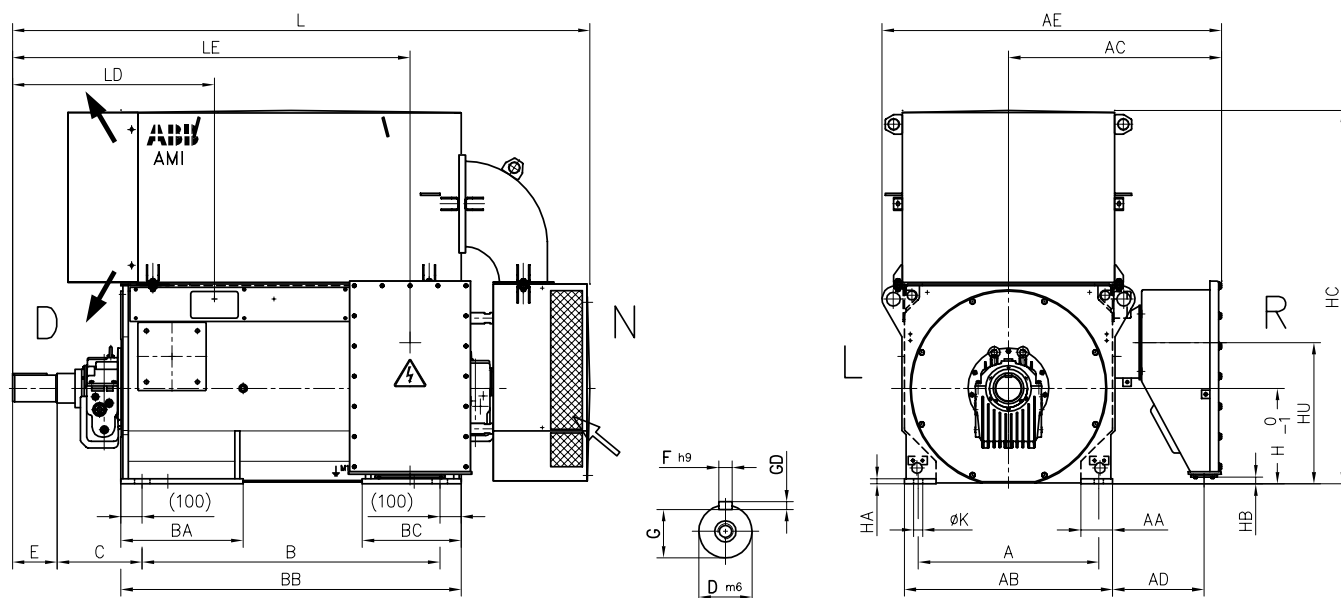
| AMI  | Poles | T  | AC   | AD   | AE   | GD | HU | D-end bearing | N-end bearing |
|------|-------|----|------|------|------|----|----|---------------|---------------|
| 450L | ≥ 4   | 7  | 1000 | 920  | 1620 | 18 | 50 | 6326/C3       | 7322B         |
| 500L | ≥ 4   | 8  | 1050 | 970  | 1740 | 20 | 50 | 6330/C3       | 7324B         |
| 560L | 4     | 10 | 1350 | 1220 | 2150 | 22 | 40 | 6038/C3       | 7330 B        |
| 560L | ≥ 6   | 10 | 1350 | 1220 | 2150 | 25 | 40 | 6038/C3       | 7330 B        |
| 630L | 4     | 10 | 1445 | 1315 | 2345 | 25 | 35 | 6044/C3       | 7334 B        |
| 630L | ≥ 6   | 10 | 1445 | 1315 | 2345 | 25 | 35 | 6044/C3       | 7334 B        |

Table gives main dimensions in mm.

# Modular induction motors, type AMI

## Dimension drawings

Sleeve bearings,  $6.6 < U_N \leq 11$  kV, IM 1001, IC611 / IP55



| AMI  | Poles | A    | B    | C   | D   | E   | F  | G   | H   | K  | L    | AA  | AB   | AC   | AD  | AE   | BA  |
|------|-------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|-----|------|-----|
| 450L | 2     | 850  | 1400 | 375 | 90  | 170 | 25 | 81  | 450 | 42 | 2655 | 150 | 980  | 1005 | 430 | 1600 | 575 |
| 450L | ≥ 4   | 850  | 1400 | 400 | 125 | 210 | 32 | 114 | 450 | 42 | 2720 | 150 | 980  | 1005 | 430 | 1600 | 575 |
| 500L | 2     | 950  | 1600 | 375 | 110 | 210 | 28 | 100 | 500 | 42 | 2965 | 150 | 1080 | 1055 | 430 | 1700 | 645 |
| 500L | ≥ 4   | 950  | 1600 | 450 | 140 | 250 | 36 | 128 | 500 | 42 | 3080 | 150 | 1080 | 1055 | 430 | 1700 | 645 |
| 560L | 2     | 1180 | 2000 | 400 | 140 | 250 | 36 | 128 | 560 | 42 | 4355 | 200 | 1320 | 1285 | 540 | 1915 | 400 |
| 560L | 4     | 1180 | 2000 | 500 | 160 | 300 | 40 | 147 | 560 | 42 | 3645 | 200 | 1320 | 1285 | 540 | 2125 | 400 |
| 630L | 2     | 1400 | 2240 | 400 | 160 | 300 | 40 | 147 | 630 | 42 | 4675 | 200 | 1500 | 1375 | 540 | 2125 | 400 |
| 630L | 4     | 1400 | 2240 | 500 | 180 | 300 | 45 | 165 | 630 | 42 | 3885 | 200 | 1500 | 1375 | 540 | 2305 | 400 |

| AMI  | Poles | BB   | BC  | GD | HA   | HB  | HC   | LD   | LE   | HU  | D-end bearing            | N-end bearing            |
|------|-------|------|-----|----|------|-----|------|------|------|-----|--------------------------|--------------------------|
| 450L | 2     | 1600 | 465 | 14 | 25   | 35  | 1760 | 885  | 1805 | 665 | EFZLB9-80                | EFZLQ 9-80               |
| 450L | ≥ 4   | 1600 | 465 | 18 | 25   | 35  | 1760 | 950  | 1870 | 665 | EFZLB11-125              | EFZLQ9-100               |
| 500L | 2     | 1800 | 495 | 16 | 35   | 135 | 1960 | 995  | 2045 | 765 | EFZLB9-100 <sup>1)</sup> | EFZLQ9-100 <sup>1)</sup> |
| 500L | 4     | 1800 | 495 | 20 | 35   | 135 | 1960 | 1110 | 2160 | 765 | EFZLB14-125              | EFZLQ11-125              |
| 500L | ≥ 6   | 1800 | 495 | 20 | 35   | 135 | 1960 | 1110 | 2160 | 765 | EFZLB14-140              | EFZLQ11-125              |
| 560L | 2     | 2230 | 400 | 20 | 65.5 | 165 | 2100 | 865  | 2535 | 798 | EMZLB14-140              | EMZLB14-140              |
| 560L | 4     | 2230 | 400 | 22 | 65.5 | 165 | 2100 | 1015 | 2685 | 798 | EFNLB18-160              | EFNLQ18-160              |
| 630L | 2     | 2470 | 400 | 22 | 65.5 | 315 | 2320 | 915  | 2825 | 948 | EMZLB14-160              | EMZLB14-160              |
| 630L | 4     | 2470 | 400 | 25 | 65.5 | 315 | 2320 | 1015 | 2925 | 948 | EFNLB18-160              | EFNLQ18-160              |

<sup>1)</sup> With oil circulation as standard.

Note: Axial float of rotor as standard  $\pm 8$  mm.

Note: The bearing cannot withstand continuous axial forces.

Table gives main dimensions in mm.



## Modular slip-ring motors, type NMK

### Availability for heavy load inertia applications

Slip-ring motors are an ideal solution for applications which require high starting torque and low starting current. They are especially suitable for heavy load inertia applications like mill drives or situations where network conditions are weak.

ABB's slip-ring motors (NMK) minimize mechanical stress at starting, increasing the lifetime of your driven equipment. They provide maximized availability and high torque over the entire speed range.

Slip-ring motors are widely used in mills, crushers, fans, and conveyors in the mining, cement and metal industries. In addition, these motors offer a reliable solution for pumps in the water industry and safe area pumps, compressors and mixers in the petrochemical industry.

NMK slip ring motors are available in shaft heights from 400 to 710 mm, with cooling methods and protection types of IC611/IP55, IC81W/IP55 as standard. The motors are rated up to 10,000 kW.

NMK motors have a welded steel frame. Slip ring unit can be supplied with permanent contact brushes, or with brush lifting gear. In both cases the slip rings are enclosed in a housing located at the N-end and separated from the main motor frame. Liquid resistance starter(LRS) is available on request.

For NMK motors this catalog only shows the typical technical data of 6kV and 11kV at 50 Hz for 4, 6, and 8 pole motors. While the complete product scope covers motors with 60Hz, pole numbers up to 16, and voltage rating up to 13.8kV.

For more detailed technical data and configuration solutions on NMK slip-ring motors, please contact ABB.

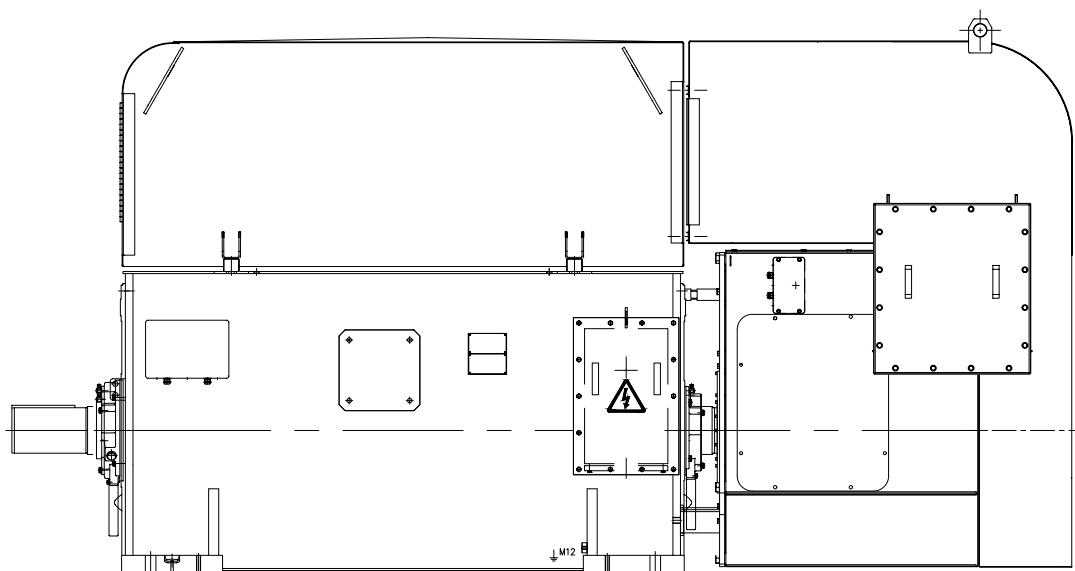


# Modular slip-ring motors, type NMK

## Mounting arrangements

Standard mounting arrangements for NMK motors. Other mountings  
e.g. IM1002 available on request.

—  
26  
Code I: IM B3  
Code II: IM 1001  
Horizontal foot mounted



# Modular slip-ring motors, type NMK

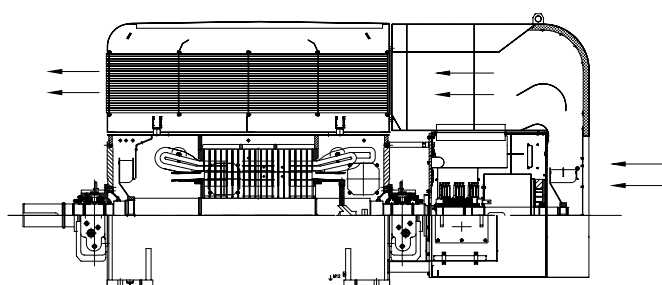
## Enclosure and cooling

Standard combinations for NMK motors are IC611/IP55 and IC81W/IP55 (IP66 available upon request), other cooling methods of IC616, IC86W, etc. available on request.

—  
27  
IC611/IP55

### IC611/IP55

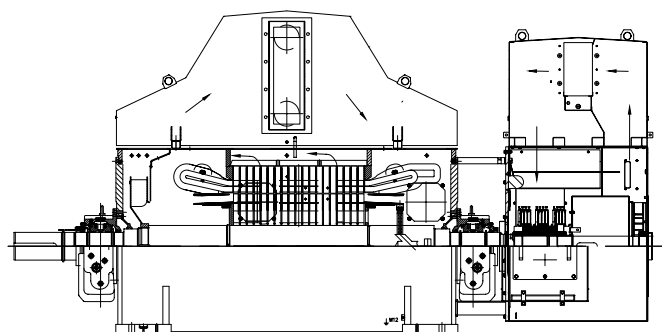
This design has an air-to-air heat exchanger mounted on the motor, which is fully enclosed. Shaft mounted fans are fitted both inside motor frame and inside slip ring housing, and outside of the casing to supply the inside and outside cooling circuits respectively. The motor is protected against dust and splashing water from any direction.



—  
28  
IC81W/IP55

### IC81W/IP55

The machine is totally enclosed having a machine-mounted and a SRU housing mounted air-to-water heat exchangers. A shaft mounted fan is fitted inside the casing to supply the internal cooling circuit. The motor is protected against dust and splashing water from any direction. a component designed for this purpose and mounted directly on the rotor of the main motor, or by a fan or pump unit mechanically driven by the rotor or the main motor.



# Modular slip-ring motors, type NMK

## Type designation

The type designation of the NMK motors follows the coding principle shown below.

Example: NMK 450L4A BALS

|    |     |                                                                                                                                                                                                 |
|----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | NM  | New Alternating Current Machines                                                                                                                                                                |
| 2  | K   | Indicates the type of motor, I = SCIM, K = WRIM                                                                                                                                                 |
| 3  | 450 | Shaft centre height in mm, 400, 450, 500, 560, 630, 710                                                                                                                                         |
| 4  | L   | Frame length, S = small, M = medium, L = long                                                                                                                                                   |
| 5  | 4   | Number of poles                                                                                                                                                                                 |
| 6  | A   | Stands for the IC/IP combination;<br>A = IC611 / IC616 / IC666 / IP55 [TEAAC] air-to-air cooled<br>L = IC81W / IC86W / IP55 [TEWAC] air-to-water cooled                                         |
| 7  | B   | Mounting arrangement, B = IM1001 (horizontal)                                                                                                                                                   |
| 8  | A   | Bearing type, A = antifriction, S = sleeve                                                                                                                                                      |
| 9  | L   | Indication of special construction (1 or more digits, not obligatory)<br>L = Brush lifting device (BLD)      X = electrically special<br>T = separate ventilation      Y = mechanically special |
| 10 | S   | Location of manufacture<br>S = Shanghai (China)      H = Helsinki (Finland)<br>I = India (Vadodara)                                                                                             |

# Modular slip-ring motors, type NMK

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
6000 V, 50 Hz, 4 pole

| Output               | Motor type | Product ID | Speed        | Efficiency |          | Power factor |          | Current |       | Torque |                    | Rotor inertia | Motor weight | Sound pressure level $L_p$ | Rotor current | Rotor voltage |
|----------------------|------------|------------|--------------|------------|----------|--------------|----------|---------|-------|--------|--------------------|---------------|--------------|----------------------------|---------------|---------------|
|                      |            |            |              | Full load  | 3/4 load | Full load    | 3/4 load | $I_N$   | $I_0$ | $T_N$  | $T_{max}$<br>$T_N$ |               |              |                            |               |               |
| (kW)                 |            |            | (r/min)      | 100%       | 75%      | 100%         | 75%      | (A)     | (A)   | (Nm)   | (pu)               | (kgm²)        | (kg)         | (dB(A))                    | (A)           | (kV)          |
| 1500 r/min = 4 poles |            |            | 6000 V 50 Hz |            |          |              |          |         |       |        |                    |               |              |                            |               |               |
| 800                  | NMK 400L4A | 1219       | 1481         | 94.9       | 95.1     | 0.87         | 0.86     | 93      | 26    | 5159   | 2.1                | 27.7          | 4140         | 85                         | 684           | 0.726         |
| 900                  | NMK 400L4A | 1220       | 1482         | 95.2       | 95.4     | 0.88         | 0.86     | 104     | 29    | 5798   | 2.2                | 30.3          | 4370         | 85                         | 668           | 0.830         |
| 1000                 | NMK 450L4A | 1378       | 1485         | 95.1       | 95.0     | 0.86         | 0.84     | 118     | 37    | 6432   | 2.1                | 42.4          | 5110         | 86                         | 728           | 0.848         |
| 1120                 | NMK 450L4A | 1255       | 1484         | 95.3       | 95.3     | 0.87         | 0.85     | 131     | 38    | 7206   | 2.0                | 44.4          | 5300         | 86                         | 768           | 0.903         |
| 1250                 | NMK 450L4A | 2516       | 1486         | 95.6       | 95.6     | 0.87         | 0.85     | 145     | 43    | 8034   | 2.2                | 48.4          | 5590         | 86                         | 744           | 1.032         |
| 1450                 | NMK 450L4A | 1257       | 1486         | 95.7       | 95.7     | 0.86         | 0.84     | 169     | 53    | 9318   | 2.2                | 50.4          | 5700         | 86                         | 779           | 1.141         |
| 1600                 | NMK 500L4A | 1321       | 1485         | 95.3       | 95.3     | 0.88         | 0.87     | 184     | 50    | 10288  | 2.1                | 76.6          | 6560         | 87                         | 812           | 1.216         |
| 1800                 | NMK 500L4A | 1322       | 1485         | 95.5       | 95.5     | 0.88         | 0.86     | 206     | 57    | 11571  | 2.2                | 80.1          | 6750         | 87                         | 836           | 1.327         |
| 2000                 | NMK 500L4A | 1323       | 1486         | 95.7       | 95.7     | 0.89         | 0.87     | 227     | 59    | 12853  | 2.1                | 87.2          | 7110         | 87                         | 842           | 1.463         |
| 2220                 | NMK 500L4A | 2506       | 1487         | 95.9       | 95.9     | 0.89         | 0.88     | 251     | 64    | 14260  | 2.2                | 94.3          | 7470         | 87                         | 837           | 1.627         |
| 2240                 | NMK 560L4A | 1500       | 1489         | 96.2       | 96.1     | 0.90         | 0.88     | 250     | 69    | 14367  | 2.7                | 134.1         | 10070        | 88                         | 788           | 1.726         |
| 2500                 | NMK 560L4A | 1501       | 1490         | 96.4       | 96.3     | 0.89         | 0.87     | 280     | 81    | 16024  | 2.8                | 143.9         | 10540        | 88                         | 773           | 1.956         |
| 2800                 | NMK 560L4A | 1502       | 1490         | 96.5       | 96.4     | 0.89         | 0.87     | 313     | 91    | 17947  | 2.8                | 148.9         | 10780        | 88                         | 808           | 2.095         |
| 3150                 | NMK 560L4A | 1503       | 1490         | 96.6       | 96.5     | 0.89         | 0.87     | 353     | 104   | 20190  | 2.8                | 153.8         | 11020        | 88                         | 844           | 2.254         |
| 3550                 | NMK 560L4A | 1504       | 1490         | 96.7       | 96.7     | 0.88         | 0.86     | 399     | 123   | 22751  | 2.8                | 158.7         | 11280        | 88                         | 878           | 2.439         |
| 4000                 | NMK 630L4A | 2101       | 1490         | 96.5       | 96.5     | 0.89         | 0.87     | 449     | 123   | 25632  | 2.4                | 204.3         | 12580        | 89                         | 1685          | 1.445         |
| 4500                 | NMK 630L4A | 2102       | 1490         | 96.7       | 96.7     | 0.89         | 0.88     | 501     | 130   | 28832  | 2.4                | 219.4         | 13170        | 89                         | 1718          | 1.591         |
| 5000                 | NMK 630L4A | 2103       | 1491         | 96.9       | 96.9     | 0.90         | 0.88     | 555     | 147   | 32023  | 2.5                | 234.5         | 13760        | 89                         | 1712          | 1.769         |
| 5600                 | NMK 630L4A | 2104       | 1491         | 97.0       | 97.0     | 0.90         | 0.89     | 617     | 159   | 35854  | 2.6                | 257.1         | 14630        | 89                         | 1697          | 1.993         |
| 6150                 | NMK 630L4A | 2105       | 1492         | 97.0       | 96.9     | 0.89         | 0.87     | 683     | 193   | 39366  | 2.8                | 277.2         | 15260        | 89                         | 1649          | 2.247         |
| 6300                 | NMK 710L4A | 10093      | 1491         | 96.6       | 96.5     | 0.90         | 0.89     | 698     | 154   | 40348  | 2.3                | 379.0         | 15900        | 88                         | 1950          | 1.980         |
| 7100                 | NMK 710L4A | 10094      | 1492         | 96.8       | 96.7     | 0.90         | 0.90     | 782     | 173   | 45449  | 2.3                | 417.1         | 16850        | 88                         | 1912          | 2.265         |
| 8000                 | NMK 710L4A | 10095      | 1493         | 97.0       | 96.9     | 0.91         | 0.90     | 875     | 198   | 51183  | 2.5                | 497.4         | 18180        | 88                         | 2118          | 2.291         |

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.



# Modular slip-ring motors, type NMK

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
6000 V, 50 Hz, 6 pole

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                 | Torque                           |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) | Rotor<br>current<br><br>(A) | Rotor<br>voltage<br><br>(kV) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|---------------------------------|----------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|-----------------------------|------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |                             |                              |
| 1000 r/min = 6 poles |               |               |                      | 6000 V 50 Hz         |                    |                      |                    |                                 |                                 |                                  |                                                        |                                |                             |                                                                   |                             |                              |
| 560                  | NMK 400L6A    | 1222          | 987                  | 94.5                 | 94.3               | 0.80                 | 0.75               | 71                              | 33                              | 5420                             | 2.6                                                    | 31.4                           | 4080                        | 82                                                                | 446                         | 0.764                        |
| 630                  | NMK 400L6A    | 1223          | 987                  | 94.6                 | 94.4               | 0.79                 | 0.73               | 81                              | 39                              | 6094                             | 2.7                                                    | 33.0                           | 4190                        | 82                                                                | 451                         | 0.848                        |
| 655                  | NMK 400L6A    | 2525          | 987                  | 94.6                 | 94.5               | 0.80                 | 0.74               | 84                              | 40                              | 6334                             | 2.8                                                    | 34.5                           | 4290                        | 82                                                                | 447                         | 0.890                        |
| 710                  | NMK 450L6A    | 1258          | 986                  | 94.9                 | 95.0               | 0.82                 | 0.78               | 88                              | 34                              | 6876                             | 2.1                                                    | 46.0                           | 5000                        | 83                                                                | 577                         | 0.759                        |
| 800                  | NMK 450L6A    | 1259          | 988                  | 95.1                 | 95.1               | 0.81                 | 0.77               | 100                             | 41                              | 7734                             | 2.3                                                    | 50.7                           | 5260                        | 83                                                                | 548                         | 0.893                        |
| 900                  | NMK 450L6A    | 1260          | 987                  | 95.3                 | 95.3               | 0.82                 | 0.78               | 111                             | 43                              | 8705                             | 2.2                                                    | 53.1                           | 5430                        | 83                                                                | 581                         | 0.950                        |
| 1020                 | NMK 450L6A    | 1261          | 988                  | 95.4                 | 95.4               | 0.82                 | 0.78               | 126                             | 51                              | 9856                             | 2.3                                                    | 57.8                           | 5690                        | 83                                                                | 575                         | 1.085                        |
| 1120                 | NMK 500L6A    | 1325          | 990                  | 95.4                 | 95.3               | 0.82                 | 0.78               | 137                             | 55                              | 10807                            | 2.4                                                    | 83.3                           | 6050                        | 84                                                                | 603                         | 1.134                        |
| 1250                 | NMK 500L6A    | 1326          | 990                  | 95.5                 | 95.5               | 0.83                 | 0.79               | 153                             | 60                              | 12061                            | 2.4                                                    | 88.0                           | 6220                        | 84                                                                | 620                         | 1.229                        |
| 1400                 | NMK 500L6A    | 1327          | 989                  | 95.5                 | 95.6               | 0.84                 | 0.81               | 168                             | 61                              | 13514                            | 2.2                                                    | 92.8                           | 6370                        | 84                                                                | 658                         | 1.304                        |
| 1600                 | NMK 500L6A    | 1328          | 990                  | 95.8                 | 95.9               | 0.84                 | 0.81               | 191                             | 68                              | 15437                            | 2.3                                                    | 102.3                          | 6750                        | 84                                                                | 660                         | 1.480                        |
| 1800                 | NMK 500L6A    | 2508          | 990                  | 95.9                 | 96.1               | 0.86                 | 0.84               | 210                             | 65                              | 17368                            | 2.1                                                    | 116.5                          | 7280                        | 84                                                                | 667                         | 1.652                        |
| 1885                 | NMK 500L6A    | 2509          | 991                  | 96.1                 | 96.1               | 0.84                 | 0.80               | 225                             | 85                              | 18159                            | 2.5                                                    | 121.2                          | 7460                        | 84                                                                | 617                         | 1.852                        |
| 2000                 | NMK 560L6A    | 1505          | 991                  | 96.0                 | 96.0               | 0.88                 | 0.86               | 228                             | 64                              | 19276                            | 2.3                                                    | 189.7                          | 9940                        | 85                                                                | 737                         | 1.661                        |
| 2240                 | NMK 560L6A    | 1506          | 991                  | 96.2                 | 96.2               | 0.88                 | 0.86               | 255                             | 74                              | 21576                            | 2.4                                                    | 204.1                          | 10390                       | 85                                                                | 731                         | 1.868                        |
| 2500                 | NMK 560L6A    | 1507          | 992                  | 96.3                 | 96.3               | 0.87                 | 0.85               | 286                             | 86                              | 24073                            | 2.4                                                    | 211.4                          | 10590                       | 85                                                                | 747                         | 2.037                        |
| 2800                 | NMK 560L6A    | 1508          | 992                  | 96.4                 | 96.4               | 0.88                 | 0.85               | 319                             | 96                              | 26956                            | 2.4                                                    | 225.8                          | 11050                       | 85                                                                | 759                         | 2.241                        |
| 3150                 | NMK 560L6A    | 1510          | 992                  | 96.5                 | 96.5               | 0.87                 | 0.85               | 360                             | 111                             | 30315                            | 2.5                                                    | 240.2                          | 11500                       | 85                                                                | 768                         | 2.488                        |
| 3550                 | NMK 630L6A    | 2106          | 993                  | 96.6                 | 96.6               | 0.87                 | 0.85               | 405                             | 123                             | 34127                            | 2.5                                                    | 330.4                          | 13720                       | 86                                                                | 866                         | 2.490                        |
| 4000                 | NMK 630L6A    | 2107          | 993                  | 96.7                 | 96.8               | 0.88                 | 0.85               | 455                             | 136                             | 38451                            | 2.5                                                    | 326.6                          | 14570                       | 86                                                                | 1499                        | 1.619                        |
| 4500                 | NMK 630L6A    | 2108          | 993                  | 96.8                 | 96.8               | 0.88                 | 0.86               | 511                             | 142                             | 43271                            | 2.2                                                    | 345.4                          | 15100                       | 86                                                                | 1591                        | 1.724                        |
| 5000                 | NMK 630L6A    | 2109          | 994                  | 97.0                 | 97.0               | 0.86                 | 0.83               | 577                             | 188                             | 48045                            | 2.4                                                    | 354.9                          | 15450                       | 86                                                                | 1569                        | 1.928                        |
| 5600                 | NMK 710L6A    | 10096         | 994                  | 97.1                 | 97.2               | 0.88                 | 0.86               | 635                             | 179                             | 53805                            | 2.3                                                    | 462.0                          | 16770                       | 85                                                                | 1838                        | 1.853                        |
| 6300                 | NMK 710L6A    | 10097         | 994                  | 97.3                 | 97.3               | 0.88                 | 0.86               | 710                             | 192                             | 60514                            | 2.3                                                    | 514.7                          | 18080                       | 85                                                                | 1819                        | 2.106                        |
| 6900                 | NMK 710L6A    | 10098         | 994                  | 97.4                 | 97.4               | 0.87                 | 0.85               | 782                             | 227                             | 66260                            | 2.3                                                    | 541.0                          | 18790                       | 85                                                                | 1821                        | 2.295                        |

Note: Rating list presents typical value of preliminary technical data on standard conditions.  
Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.  
Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

# Modular slip-ring motors, type NMK

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
6000 V, 50 Hz, 8 pole

| Output              | Motor type | Product ID | Speed   | Efficiency     |              | Power factor   |              | Current |       | Torque |               | Rotor inertia | Motor weight | Sound pressure level $L_p$ | Rotor current | Rotor voltage |
|---------------------|------------|------------|---------|----------------|--------------|----------------|--------------|---------|-------|--------|---------------|---------------|--------------|----------------------------|---------------|---------------|
|                     |            |            |         | Full load 100% | 3/4 load 75% | Full load 100% | 3/4 load 75% | $I_N$   | $I_0$ | $T_N$  | $T_{N_{max}}$ |               |              |                            |               |               |
| (kW)                |            |            | (r/min) |                |              |                |              | (A)     | (A)   | (Nm)   | (pu)          | (kgm²)        | (kg)         | (dB(A))                    | (A)           | (kV)          |
| 750 r/min = 8 poles |            |            |         | 6000 V 50 Hz   |              |                |              |         |       |        |               |               |              |                            |               |               |
| 630                 | NMK 450L8A | 1262       | 741     | 94.8           | 94.6         | 0.76           | 0.69         | 84      | 46    | 8119   | 3.1           | 65.2          | 5120         | 78                         | 347           | 1.094         |
| 710                 | NMK 450L8A | 1263       | 741     | 94.8           | 94.7         | 0.77           | 0.70         | 94      | 50    | 9152   | 3.0           | 68.5          | 5240         | 78                         | 364           | 1.178         |
| 800                 | NMK 450L8A | 2518       | 742     | 95.0           | 94.8         | 0.76           | 0.69         | 107     | 59    | 10299  | 3.1           | 78.6          | 5660         | 78                         | 345           | 1.393         |
| 900                 | NMK 500L8A | 1331       | 740     | 95.0           | 95.1         | 0.82           | 0.79         | 111     | 40    | 11607  | 2.0           | 96.8          | 6520         | 79                         | 548           | 1.017         |
| 1000                | NMK 500L8A | 1332       | 742     | 95.2           | 95.1         | 0.80           | 0.76         | 126     | 53    | 12872  | 2.2           | 101.6         | 6700         | 79                         | 523           | 1.170         |
| 1120                | NMK 500L8A | 2511       | 743     | 95.4           | 95.2         | 0.80           | 0.75         | 142     | 62    | 14399  | 2.3           | 116.0         | 7230         | 79                         | 492           | 1.384         |
| 1180                | NMK 500L8A | 2512       | 743     | 95.4           | 95.2         | 0.79           | 0.74         | 150     | 68    | 15159  | 2.5           | 125.5         | 7580         | 79                         | 469           | 1.523         |
| 1250                | NMK 560L8A | 1511       | 742     | 95.7           | 95.6         | 0.83           | 0.79         | 152     | 59    | 16080  | 2.4           | 183.9         | 9810         | 79                         | 545           | 1.396         |
| 1400                | NMK 560L8A | 1512       | 743     | 95.8           | 95.7         | 0.82           | 0.78         | 171     | 70    | 18001  | 2.4           | 191.1         | 10040        | 79                         | 554           | 1.534         |
| 1600                | NMK 560L8A | 1513       | 743     | 95.9           | 95.9         | 0.82           | 0.78         | 195     | 79    | 20569  | 2.4           | 205.5         | 10500        | 79                         | 570           | 1.705         |
| 1800                | NMK 560L8A | 1514       | 743     | 96.1           | 96.0         | 0.83           | 0.79         | 218     | 86    | 23133  | 2.4           | 227.1         | 11170        | 79                         | 569           | 1.920         |
| 2000                | NMK 560L8A | 1515       | 743     | 96.0           | 96.0         | 0.82           | 0.79         | 243     | 95    | 25705  | 2.3           | 234.3         | 11340        | 79                         | 594           | 2.044         |
| 2240                | NMK 560L8A | 1516       | 743     | 96.2           | 96.2         | 0.82           | 0.78         | 273     | 108   | 28790  | 2.3           | 241.5         | 11640        | 79                         | 621           | 2.188         |
| 2500                | NMK 630L8A | 2110       | 743     | 96.2           | 96.3         | 0.84           | 0.82         | 296     | 102   | 32134  | 2.3           | 340.2         | 14100        | 79                         | 691           | 2.205         |
| 2800                | NMK 630L8A | 2111       | 743     | 96.3           | 96.3         | 0.84           | 0.81         | 332     | 120   | 35968  | 2.4           | 353.4         | 15180        | 79                         | 1144          | 1.486         |
| 3150                | NMK 630L8A | 2112       | 743     | 96.4           | 96.4         | 0.84           | 0.81         | 374     | 134   | 40460  | 2.4           | 372.9         | 15760        | 79                         | 1180          | 1.620         |
| 3550                | NMK 710L8A | 10099      | 744     | 96.9           | 97.0         | 0.84           | 0.82         | 419     | 138   | 45559  | 2.2           | 431.8         | 15470        | 79                         | 1586          | 1.368         |
| 4000                | NMK 710L8A | 10100      | 744     | 97.0           | 97.1         | 0.85           | 0.83         | 469     | 147   | 51339  | 2.1           | 458.6         | 16070        | 79                         | 1652          | 1.483         |
| 4500                | NMK 710L8A | 10101      | 745     | 97.2           | 97.2         | 0.84           | 0.81         | 533     | 190   | 57689  | 2.3           | 512.1         | 17270        | 79                         | 1536          | 1.777         |
| 5000                | NMK 710L8A | 10102      | 745     | 97.2           | 97.3         | 0.84           | 0.80         | 592     | 214   | 64082  | 2.4           | 552.2         | 18080        | 79                         | 1534          | 1.974         |

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.



# Modular slip-ring motors, type NMK

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
11000 V, 50 Hz, 4 pole

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                 | Torque                           |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) | Rotor<br>current<br><br>(A) | Rotor<br>voltage<br><br>(kV) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|---------------------------------|----------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|-----------------------------|------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |                             |                              |
| 1500 r/min = 4 poles |               |               |                      | 11000 V 50 Hz        |                    |                      |                    |                                 |                                 |                                  |                                                        |                                |                             |                                                                   |                             |                              |
| 420                  | NMK 400L4A    | 1218          | 1475                 | 93.0                 | 93.2               | 0.86                 | 0.84               | 28                              | 8                               | 2719                             | 2.0                                                    | 17.7                           | 3830                        | 85                                                                | 526                         | 0.507                        |
| 450                  | NMK 450L4A    | 1381          | 1486                 | 93.2                 | 92.4               | 0.82                 | 0.76               | 31                              | 14                              | 2891                             | 3.1                                                    | 31.0                           | 4460                        | 86                                                                | 464                         | 0.599                        |
| 500                  | NMK 450L4A    | 1382          | 1485                 | 93.4                 | 92.8               | 0.83                 | 0.79               | 34                              | 14                              | 3216                             | 2.8                                                    | 31.0                           | 4460                        | 86                                                                | 516                         | 0.599                        |
| 560                  | NMK 450L4A    | 1383          | 1482                 | 93.5                 | 93.3               | 0.86                 | 0.84               | 36                              | 12                              | 3609                             | 2.3                                                    | 32.8                           | 4600                        | 86                                                                | 581                         | 0.602                        |
| 630                  | NMK 450L4A    | 1384          | 1479                 | 93.5                 | 93.5               | 0.87                 | 0.85               | 41                              | 12                              | 4067                             | 2.1                                                    | 32.8                           | 4600                        | 86                                                                | 659                         | 0.602                        |
| 710                  | NMK 450L4A    | 1385          | 1480                 | 93.9                 | 93.9               | 0.87                 | 0.85               | 46                              | 13                              | 4582                             | 2.1                                                    | 34.6                           | 4750                        | 86                                                                | 672                         | 0.663                        |
| 800                  | NMK 450L4A    | 1386          | 1481                 | 94.2                 | 94.3               | 0.87                 | 0.85               | 51                              | 15                              | 5158                             | 2.1                                                    | 36.3                           | 4900                        | 86                                                                | 677                         | 0.737                        |
| 900                  | NMK 450L4A    | 1387          | 1483                 | 94.5                 | 94.5               | 0.87                 | 0.85               | 58                              | 18                              | 5797                             | 2.3                                                    | 38.1                           | 5020                        | 86                                                                | 672                         | 0.828                        |
| 950                  | NMK 450L4A    | 1388          | 1483                 | 94.7                 | 94.7               | 0.87                 | 0.85               | 61                              | 19                              | 6116                             | 2.3                                                    | 39.9                           | 5170                        | 86                                                                | 663                         | 0.884                        |
| 1000                 | NMK 500L4A    | 2526          | 1487                 | 94.3                 | 94.0               | 0.87                 | 0.85               | 64                              | 20                              | 6422                             | 2.5                                                    | 69.5                           | 6110                        | 87                                                                | 617                         | 1.000                        |
| 1120                 | NMK 500L4A    | 1302          | 1485                 | 94.4                 | 94.3               | 0.88                 | 0.86               | 71                              | 20                              | 7201                             | 2.3                                                    | 69.5                           | 6110                        | 87                                                                | 695                         | 1.000                        |
| 1250                 | NMK 500L4A    | 1303          | 1486                 | 94.7                 | 94.6               | 0.88                 | 0.87               | 79                              | 22                              | 8035                             | 2.2                                                    | 73.0                           | 6290                        | 87                                                                | 714                         | 1.085                        |
| 1400                 | NMK 500L4A    | 1304          | 1486                 | 94.9                 | 94.8               | 0.88                 | 0.86               | 88                              | 25                              | 8996                             | 2.3                                                    | 76.6                           | 6470                        | 87                                                                | 730                         | 1.183                        |
| 1600                 | NMK 500L4A    | 1305          | 1487                 | 95.2                 | 95.1               | 0.88                 | 0.86               | 100                             | 29                              | 10278                            | 2.3                                                    | 80.1                           | 6660                        | 87                                                                | 757                         | 1.301                        |
| 1800                 | NMK 500L4A    | 1306          | 1487                 | 95.4                 | 95.4               | 0.89                 | 0.87               | 112                             | 31                              | 11559                            | 2.3                                                    | 87.2                           | 7020                        | 87                                                                | 763                         | 1.448                        |
| 1865                 | NMK 500L4A    | 2507          | 1487                 | 95.4                 | 95.4               | 0.89                 | 0.87               | 116                             | 31                              | 11981                            | 2.2                                                    | 87.2                           | 7020                        | 87                                                                | 793                         | 1.448                        |
| 2000                 | NMK 560L4A    | 1395          | 1487                 | 95.8                 | 95.8               | 0.90                 | 0.89               | 121                             | 28                              | 12844                            | 2.3                                                    | 129.2                          | 9800                        | 88                                                                | 821                         | 1.497                        |
| 2240                 | NMK 560L4A    | 1396          | 1490                 | 96.0                 | 95.9               | 0.89                 | 0.86               | 138                             | 42                              | 14359                            | 2.9                                                    | 134.1                          | 9970                        | 88                                                                | 758                         | 1.790                        |
| 2500                 | NMK 560L4A    | 1397          | 1490                 | 96.3                 | 96.2               | 0.89                 | 0.86               | 154                             | 47                              | 16026                            | 2.8                                                    | 139.0                          | 10270                       | 88                                                                | 789                         | 1.918                        |
| 2800                 | NMK 560L4A    | 1398          | 1490                 | 96.3                 | 96.3               | 0.89                 | 0.86               | 172                             | 53                              | 17947                            | 2.8                                                    | 143.9                          | 10460                       | 88                                                                | 820                         | 2.064                        |
| 3150                 | NMK 560L4A    | 1399          | 1490                 | 96.2                 | 96.0               | 0.88                 | 0.86               | 195                             | 62                              | 20189                            | 2.9                                                    | 151.5                          | 10710                       | 88                                                                | 855                         | 2.233                        |
| 3300                 | NMK 560L4A    | 1400          | 1489                 | 96.2                 | 96.1               | 0.89                 | 0.88               | 202                             | 56                              | 21161                            | 2.6                                                    | 156.5                          | 10940                       | 88                                                                | 897                         | 2.239                        |
| 3550                 | NMK 630L4A    | 2025          | 1491                 | 96.3                 | 96.2               | 0.89                 | 0.87               | 219                             | 58                              | 22740                            | 2.2                                                    | 225.2                          | 12580                       | 89                                                                | 931                         | 2.333                        |
| 4000                 | NMK 630L4A    | 2026          | 1491                 | 96.4                 | 96.3               | 0.88                 | 0.86               | 248                             | 74                              | 25611                            | 2.4                                                    | 218.3                          | 13080                       | 89                                                                | 1561                        | 1.558                        |
| 4500                 | NMK 630L4A    | 2027          | 1491                 | 96.7                 | 96.6               | 0.88                 | 0.86               | 278                             | 79                              | 28817                            | 2.3                                                    | 225.8                          | 13460                       | 89                                                                | 1664                        | 1.644                        |
| 5000                 | NMK 630L4A    | 2028          | 1492                 | 96.8                 | 96.8               | 0.89                 | 0.87               | 305                             | 83                              | 32007                            | 2.4                                                    | 248.0                          | 14320                       | 89                                                                | 1634                        | 1.855                        |
| 5600                 | NMK 630L4A    | 2029          | 1492                 | 96.7                 | 96.7               | 0.88                 | 0.87               | 344                             | 95                              | 35850                            | 2.4                                                    | 258.6                          | 14540                       | 89                                                                | 1722                        | 1.976                        |
| 6300                 | NMK 710L4A    | 10022         | 1491                 | 96.4                 | 96.4               | 0.91                 | 0.90               | 379                             | 78                              | 40338                            | 2.2                                                    | 404.4                          | 16420                       | 88                                                                | 1860                        | 2.077                        |
| 7100                 | NMK 710L4A    | 10023         | 1492                 | 96.7                 | 96.6               | 0.90                 | 0.89               | 428                             | 100                             | 45428                            | 2.4                                                    | 442.5                          | 17410                       | 88                                                                | 1785                        | 2.421                        |

Note: Rating list presents typical value of preliminary technical data on standard conditions.  
Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.  
Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

# Modular slip-ring motors, type NMK

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
11000 V, 50 Hz, 6 pole

| Output               | Motor type | Product ID | Speed         | Efficiency |          | Power factor |          | Current |       | Torque |               | Rotor inertia | Motor weight | Sound pressure level $L_p$ | Rotor current | Rotor voltage |
|----------------------|------------|------------|---------------|------------|----------|--------------|----------|---------|-------|--------|---------------|---------------|--------------|----------------------------|---------------|---------------|
|                      |            |            |               | Full load  | 3/4 load | Full load    | 3/4 load | $I_N$   | $I_0$ | $T_N$  | $T_{max} T_N$ |               |              |                            |               |               |
| (kW)                 |            |            | (r/min)       | 100%       | 75%      | 100%         | 75%      | (A)     | (A)   | (Nm)   | (pu)          | (kgm²)        | (kg)         | (dB(A))                    | (A)           | (kV)          |
| 1000 r/min = 6 poles |            |            | 11000 V 50 Hz |            |          |              |          |         |       |        |               |               |              |                            |               |               |
| 450                  | NMK 450L6A | 1250       | 986           | 93.8       | 93.8     | 0.79         | 0.75     | 32      | 14    | 4358   | 2.3           | 35.0          | 4840         | 83                         | 442           | 0.630         |
| 500                  | NMK 450L6A | 1251       | 988           | 94.1       | 94.0     | 0.77         | 0.71     | 36      | 18    | 4832   | 2.6           | 36.8          | 4950         | 83                         | 419           | 0.729         |
| 560                  | NMK 450L6A | 1252       | 987           | 94.3       | 94.3     | 0.79         | 0.73     | 40      | 19    | 5416   | 2.5           | 38.6          | 5100         | 83                         | 445           | 0.770         |
| 650                  | NMK 450L6A | 1253       | 986           | 94.4       | 94.5     | 0.80         | 0.76     | 45      | 19    | 6293   | 2.3           | 40.4          | 5250         | 83                         | 490           | 0.817         |
| 710                  | NMK 500L6A | 1308       | 989           | 94.6       | 94.5     | 0.84         | 0.80     | 47      | 18    | 6856   | 2.7           | 68.1          | 5910         | 84                         | 446           | 0.973         |
| 800                  | NMK 500L6A | 1309       | 989           | 94.8       | 94.8     | 0.85         | 0.81     | 52      | 20    | 7726   | 2.6           | 71.8          | 6090         | 84                         | 466           | 1.048         |
| 900                  | NMK 500L6A | 1310       | 989           | 95.0       | 95.0     | 0.85         | 0.82     | 58      | 21    | 8692   | 2.6           | 75.6          | 6260         | 84                         | 484           | 1.136         |
| 1000                 | NMK 500L6A | 1311       | 989           | 95.2       | 95.2     | 0.85         | 0.82     | 65      | 24    | 9654   | 2.6           | 79.4          | 6440         | 84                         | 492           | 1.239         |
| 1120                 | NMK 500L6A | 1312       | 990           | 95.4       | 95.4     | 0.85         | 0.81     | 73      | 28    | 10808  | 2.7           | 83.1          | 6620         | 84                         | 499           | 1.363         |
| 1250                 | NMK 500L6A | 1313       | 990           | 95.5       | 95.5     | 0.84         | 0.79     | 82      | 33    | 12054  | 2.8           | 86.9          | 6790         | 84                         | 500           | 1.512         |
| 1300                 | NMK 500L6A | 1314       | 989           | 95.5       | 95.6     | 0.85         | 0.82     | 84      | 30    | 12546  | 2.6           | 90.6          | 6960         | 84                         | 521           | 1.516         |
| 1400                 | NMK 560L6A | 1401       | 989           | 95.1       | 95.2     | 0.88         | 0.87     | 88      | 23    | 13513  | 2.1           | 168.1         | 9170         | 85                         | 697           | 1.246         |
| 1600                 | NMK 560L6A | 1402       | 990           | 95.3       | 95.4     | 0.88         | 0.87     | 100     | 26    | 15439  | 2.1           | 175.3         | 9400         | 85                         | 723           | 1.371         |
| 1800                 | NMK 560L6A | 1403       | 990           | 95.6       | 95.7     | 0.88         | 0.87     | 112     | 31    | 17357  | 2.2           | 182.5         | 9630         | 85                         | 728           | 1.522         |
| 2000                 | NMK 560L6A | 1404       | 991           | 95.8       | 95.9     | 0.88         | 0.87     | 124     | 32    | 19277  | 2.2           | 204.1         | 10290        | 85                         | 717           | 1.715         |
| 2240                 | NMK 560L6A | 1405       | 992           | 96.0       | 96.0     | 0.88         | 0.86     | 140     | 42    | 21565  | 2.4           | 211.4         | 10530        | 85                         | 697           | 1.957         |
| 2500                 | NMK 560L6A | 1407       | 992           | 96.0       | 96.1     | 0.88         | 0.85     | 156     | 48    | 24066  | 2.4           | 218.6         | 10700        | 85                         | 723           | 2.106         |
| 2800                 | NMK 560L6A | 1408       | 992           | 96.2       | 96.2     | 0.87         | 0.85     | 176     | 55    | 26949  | 2.5           | 225.8         | 10930        | 85                         | 747           | 2.277         |
| 3150                 | NMK 630L6A | 2030       | 993           | 96.3       | 96.2     | 0.86         | 0.84     | 199     | 62    | 30302  | 2.4           | 305.9         | 13100        | 86                         | 846           | 2.270         |
| 3550                 | NMK 630L6A | 2031       | 993           | 96.4       | 96.4     | 0.87         | 0.85     | 223     | 67    | 34150  | 2.3           | 327.6         | 13660        | 86                         | 873           | 2.478         |
| 4000                 | NMK 630L6A | 2032       | 992           | 96.5       | 96.6     | 0.87         | 0.86     | 249     | 69    | 38490  | 2.2           | 326.3         | 14500        | 86                         | 1550          | 1.577         |
| 4500                 | NMK 630L6A | 2033       | 993           | 96.7       | 96.7     | 0.87         | 0.85     | 281     | 85    | 43268  | 2.4           | 354.7         | 15280        | 86                         | 1503          | 1.818         |
| 5000                 | NMK 710L6A | 10024      | 993           | 96.9       | 96.9     | 0.88         | 0.86     | 310     | 88    | 48074  | 2.3           | 433.4         | 16070        | 85                         | 1775          | 1.715         |
| 5600                 | NMK 710L6A | 10025      | 994           | 97.0       | 97.1     | 0.88         | 0.86     | 345     | 98    | 53823  | 2.4           | 473.4         | 17010        | 85                         | 1761          | 1.931         |
| 6300                 | NMK 710L6A | 10026      | 995           | 97.2       | 97.2     | 0.86         | 0.83     | 394     | 132   | 60492  | 2.7           | 526.7         | 18230        | 85                         | 1641          | 2.312         |

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

# Modular slip-ring motors, type NMK

## Technical data

IP55, IC611, insulation class F, temperature rise class B  
11000 V, 50 Hz, 8 pole

| Output<br><br>(kW)  | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current      |              | Torque        |                            | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br>$L_p$<br>(dB(A)) | Rotor<br>current<br><br>(A) | Rotor<br>voltage<br><br>(kV) |
|---------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|--------------|--------------|---------------|----------------------------|--------------------------------|-----------------------------|------------------------------------------------|-----------------------------|------------------------------|
|                     |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | $I_N$<br>(A) | $I_0$<br>(A) | $T_N$<br>(Nm) | $T_{max}$<br>$T_N$<br>(pu) |                                |                             |                                                |                             |                              |
| 750 r/min = 8 poles |               |               |                      | 11000 V 50 Hz        |                    |                      |                    |              |              |               |                            |                                |                             |                                                |                             |                              |
| 450                 | NMK 450L8A    | 2527          | 738                  | 92.9                 | 93.1               | 0.75                 | 0.68               | 34           | 18           | 5820          | 2.4                        | 40.6                           | 4720                        | 78                                             | 361                         | 0.768                        |
| 500                 | NMK 500L8A    | 1315          | 741                  | 93.7                 | 93.3               | 0.73                 | 0.65               | 39           | 22           | 6441          | 2.9                        | 70.3                           | 6040                        | 79                                             | 352                         | 0.862                        |
| 560                 | NMK 500L8A    | 1316          | 741                  | 93.9                 | 93.6               | 0.74                 | 0.67               | 42           | 24           | 7216          | 2.7                        | 74.0                           | 6210                        | 79                                             | 370                         | 0.921                        |
| 630                 | NMK 500L8A    | 1317          | 741                  | 94.1                 | 93.8               | 0.75                 | 0.68               | 47           | 25           | 8120          | 2.6                        | 77.8                           | 6390                        | 79                                             | 388                         | 0.987                        |
| 710                 | NMK 500L8A    | 1318          | 741                  | 94.2                 | 94.0               | 0.75                 | 0.69               | 52           | 28           | 9153          | 2.6                        | 81.5                           | 6560                        | 79                                             | 407                         | 1.063                        |
| 800                 | NMK 500L8A    | 1319          | 741                  | 94.4                 | 94.2               | 0.75                 | 0.69               | 59           | 31           | 10313         | 2.6                        | 85.3                           | 6740                        | 79                                             | 423                         | 1.151                        |
| 900                 | NMK 500L8A    | 1320          | 741                  | 94.5                 | 94.4               | 0.75                 | 0.69               | 67           | 35           | 11599         | 2.6                        | 89.0                           | 6910                        | 79                                             | 436                         | 1.255                        |
| 1000                | NMK 560L8A    | 1409          | 741                  | 94.8                 | 95.0               | 0.84                 | 0.81               | 66           | 23           | 12885         | 2.2                        | 169.5                          | 9300                        | 79                                             | 545                         | 1.136                        |
| 1120                | NMK 560L8A    | 1410          | 741                  | 95.0                 | 95.1               | 0.84                 | 0.81               | 74           | 26           | 14429         | 2.2                        | 176.7                          | 9520                        | 79                                             | 562                         | 1.230                        |
| 1250                | NMK 560L8A    | 1411          | 742                  | 95.2                 | 95.3               | 0.84                 | 0.81               | 82           | 29           | 16097         | 2.2                        | 183.9                          | 9750                        | 79                                             | 574                         | 1.341                        |
| 1400                | NMK 560L8A    | 1412          | 741                  | 95.3                 | 95.5               | 0.84                 | 0.82               | 92           | 30           | 18040         | 2.1                        | 191.1                          | 9980                        | 79                                             | 614                         | 1.409                        |
| 1600                | NMK 560L8A    | 1413          | 742                  | 95.5                 | 95.7               | 0.84                 | 0.81               | 105          | 37           | 20604         | 2.1                        | 198.3                          | 10200                       | 79                                             | 630                         | 1.563                        |
| 1800                | NMK 560L8A    | 1414          | 742                  | 95.7                 | 95.8               | 0.82                 | 0.79               | 120          | 46           | 23156         | 2.2                        | 205.5                          | 10430                       | 79                                             | 627                         | 1.755                        |
| 2000                | NMK 560L8A    | 1415          | 743                  | 95.9                 | 95.9               | 0.82                 | 0.78               | 133          | 53           | 25709         | 2.3                        | 227.1                          | 11110                       | 79                                             | 607                         | 2.004                        |
| 2250                | NMK 630L8A    | 2034          | 744                  | 96.0                 | 95.9               | 0.83                 | 0.79               | 148          | 58           | 28892         | 2.5                        | 329.1                          | 13730                       | 79                                             | 629                         | 2.170                        |
| 2500                | NMK 630L8A    | 2035          | 743                  | 96.1                 | 96.1               | 0.84                 | 0.81               | 163          | 59           | 32110         | 2.3                        | 361.6                          | 14560                       | 79                                             | 646                         | 2.354                        |
| 2800                | NMK 630L8A    | 2036          | 743                  | 96.1                 | 96.2               | 0.84                 | 0.81               | 182          | 65           | 35970         | 2.3                        | 353.1                          | 15120                       | 79                                             | 1149                        | 1.483                        |
| 3150                | NMK 710L8A    | 10027         | 744                  | 96.6                 | 96.7               | 0.84                 | 0.82               | 203          | 68           | 40458         | 2.2                        | 403.0                          | 14680                       | 79                                             | 1538                        | 1.255                        |
| 3550                | NMK 710L8A    | 10028         | 744                  | 96.8                 | 96.8               | 0.84                 | 0.82               | 228          | 77           | 45552         | 2.3                        | 457.1                          | 15870                       | 79                                             | 1456                        | 1.486                        |
| 4000                | NMK 710L8A    | 10029         | 744                  | 96.9                 | 97.0               | 0.85                 | 0.83               | 255          | 80           | 51328         | 2.2                        | 497.6                          | 16760                       | 79                                             | 1491                        | 1.638                        |
| 4500                | NMK 710L8A    | 10030         | 745                  | 97.1                 | 97.1               | 0.85                 | 0.83               | 287          | 93           | 57693         | 2.2                        | 538.8                          | 17670                       | 79                                             | 1507                        | 1.817                        |

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

# Modular slip-ring motors, type NMK

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output               | Motor type | Product ID | Speed        | Efficiency        |                 | Power factor      |                 | Current        |                | Torque         |                                    | Rotor inertia | Motor weight | Sound pressure level<br>L <sub>p</sub> | Rotor current | Rotor voltage |
|----------------------|------------|------------|--------------|-------------------|-----------------|-------------------|-----------------|----------------|----------------|----------------|------------------------------------|---------------|--------------|----------------------------------------|---------------|---------------|
|                      |            |            |              | Full load<br>100% | 3/4 load<br>75% | Full load<br>100% | 3/4 load<br>75% | I <sub>N</sub> | I <sub>0</sub> | T <sub>N</sub> | T <sub>max</sub><br>T <sub>N</sub> |               |              |                                        |               |               |
| (kW)                 |            |            | (r/min)      |                   |                 |                   |                 | (A)            | (A)            | (Nm)           | (pu)                               | (kgm²)        | (kg)         | (dB(A))                                | (A)           | (kV)          |
| 1500 r/min = 4 poles |            |            | 6000 V 50 Hz |                   |                 |                   |                 |                |                |                |                                    |               |              |                                        |               |               |
| 2500                 | NMK 560L4L | 1822       | 1488         | 96.5              | 96.6            | 0.90              | 0.89            | 278            | 69             | 16049          | 2.4                                | 126.1         | 9480         | 79                                     | 882           | 1.726         |
| 2800                 | NMK 560L4L | 1823       | 1489         | 96.7              | 96.7            | 0.90              | 0.88            | 311            | 81             | 17962          | 2.5                                | 135.9         | 9950         | 79                                     | 868           | 1.956         |
| 3150                 | NMK 560L4L | 1824       | 1489         | 96.7              | 96.8            | 0.90              | 0.88            | 350            | 91             | 20208          | 2.5                                | 140.9         | 10190        | 79                                     | 912           | 2.095         |
| 3550                 | NMK 560L4L | 1825       | 1489         | 96.8              | 96.9            | 0.89              | 0.88            | 395            | 104            | 22773          | 2.5                                | 145.8         | 10430        | 79                                     | 955           | 2.254         |
| 4000                 | NMK 560L4L | 1826       | 1489         | 96.8              | 96.9            | 0.89              | 0.87            | 447            | 123            | 25657          | 2.5                                | 153.1         | 10700        | 79                                     | 994           | 2.439         |
| 4500                 | NMK 630L4L | 2235       | 1489         | 96.7              | 96.9            | 0.89              | 0.88            | 503            | 123            | 28860          | 2.2                                | 196.8         | 11910        | 76                                     | 1905          | 1.445         |
| 5000                 | NMK 630L4L | 2236       | 1489         | 96.9              | 97.1            | 0.90              | 0.89            | 555            | 130            | 32058          | 2.2                                | 211.9         | 12500        | 76                                     | 1917          | 1.591         |
| 5600                 | NMK 630L4L | 2237       | 1490         | 97.1              | 97.2            | 0.90              | 0.89            | 620            | 147            | 35892          | 2.3                                | 227.0         | 13080        | 76                                     | 1926          | 1.769         |
| 6300                 | NMK 630L4L | 2238       | 1490         | 97.2              | 97.3            | 0.90              | 0.89            | 692            | 159            | 40365          | 2.3                                | 249.6         | 13960        | 76                                     | 1919          | 1.993         |
| 7100                 | NMK 630L4L | 2239       | 1491         | 97.2              | 97.4            | 0.90              | 0.88            | 784            | 193            | 45485          | 2.4                                | 269.2         | 14580        | 76                                     | 1913          | 2.247         |
| 8000                 | NMK 710L4L | 10239      | 1489         | 96.9              | 97.1            | 0.89              | 0.91            | 890            | 139            | 51309          | 1.7                                | 385.7         | 15760        | 80                                     | 2528          | 1.983         |
| 9000                 | NMK 710L4L | 10240      | 1490         | 97.0              | 97.2            | 0.90              | 0.91            | 994            | 159            | 57684          | 1.7                                | 423.5         | 16710        | 80                                     | 2470          | 2.267         |
| 10000                | NMK 710L4L | 10241      | 1491         | 97.2              | 97.4            | 0.90              | 0.91            | 1095           | 197            | 64063          | 2.0                                | 489.1         | 17660        | 80                                     | 2680          | 2.291         |
| 1000 r/min = 6 poles |            |            | 6000 V 50 Hz |                   |                 |                   |                 |                |                |                |                                    |               |              |                                        |               |               |
| 2240                 | NMK 560L6L | 1827       | 991          | 96.3              | 96.4            | 0.87              | 0.85            | 258            | 79             | 21590          | 2.3                                | 170.4         | 9070         | 77                                     | 794           | 1.719         |
| 2500                 | NMK 560L6L | 1828       | 991          | 96.4              | 96.6            | 0.87              | 0.86            | 285            | 81             | 24099          | 2.2                                | 184.8         | 9540         | 77                                     | 818           | 1.865         |
| 2800                 | NMK 560L6L | 1829       | 991          | 96.4              | 96.6            | 0.87              | 0.85            | 321            | 95             | 26982          | 2.3                                | 192.0         | 9740         | 77                                     | 840           | 2.033         |
| 3150                 | NMK 560L6L | 1830       | 991          | 96.5              | 96.7            | 0.87              | 0.86            | 360            | 104            | 30350          | 2.3                                | 206.5         | 10200        | 77                                     | 859           | 2.237         |
| 3550                 | NMK 560L6L | 1831       | 991          | 96.6              | 96.8            | 0.87              | 0.85            | 406            | 121            | 34192          | 2.3                                | 220.9         | 10650        | 77                                     | 870           | 2.483         |
| 4000                 | NMK 630L6L | 2481       | 992          | 96.7              | 97.0            | 0.88              | 0.87            | 452            | 113            | 38507          | 2.1                                | 295.7         | 13230        | 78                                     | 1703          | 1.440         |
| 4500                 | NMK 630L6L | 2240       | 993          | 96.9              | 97.1            | 0.88              | 0.87            | 509            | 136            | 43295          | 2.2                                | 314.5         | 13800        | 78                                     | 1696          | 1.619         |
| 5000                 | NMK 630L6L | 2241       | 992          | 96.9              | 97.1            | 0.88              | 0.87            | 567            | 142            | 48118          | 2.0                                | 333.3         | 14330        | 78                                     | 1779          | 1.724         |
| 5600                 | NMK 630L6L | 2242       | 993          | 97.1              | 97.3            | 0.87              | 0.85            | 642            | 188            | 53852          | 2.2                                | 342.8         | 14680        | 78                                     | 1768          | 1.928         |
| 6300                 | NMK 710L6L | 10242      | 992          | 97.1              | 97.4            | 0.88              | 0.88            | 712            | 155            | 60638          | 1.9                                | 437.0         | 15840        | 79                                     | 2254          | 1.732         |
| 7100                 | NMK 710L6L | 10243      | 993          | 97.3              | 97.5            | 0.88              | 0.87            | 802            | 192            | 68283          | 2.0                                | 476.6         | 16790        | 79                                     | 2185          | 1.996         |
| 8000                 | NMK 710L6L | 10244      | 993          | 97.4              | 97.6            | 0.88              | 0.88            | 900            | 194            | 76956          | 1.9                                | 516.1         | 17740        | 79                                     | 2281          | 2.167         |
| 8500                 | NMK 710L6L | 10245      | 993          | 97.5              | 97.7            | 0.87              | 0.87            | 962            | 222            | 81744          | 1.9                                | 529.2         | 18100        | 79                                     | 2283          | 2.296         |

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

# Modular slip-ring motors, type NMK

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
6000 V, 50 Hz

| Output              | Motor type | Product ID | Speed   | Efficiency        |                 | Power factor      |                 | Current |       | Torque |                    | Rotor inertia       | Motor weight | Sound pressure level<br>$L_p$ | Rotor current | Rotor voltage |
|---------------------|------------|------------|---------|-------------------|-----------------|-------------------|-----------------|---------|-------|--------|--------------------|---------------------|--------------|-------------------------------|---------------|---------------|
|                     |            |            |         | Full load<br>100% | 3/4 load<br>75% | Full load<br>100% | 3/4 load<br>75% | $I_N$   | $I_0$ | $T_N$  | $T_{max}$<br>$T_N$ |                     |              |                               |               |               |
| (kW)                |            |            | (r/min) |                   |                 |                   |                 | (A)     | (A)   | (Nm)   | (pu)               | (kgm <sup>2</sup> ) | (kg)         | (dB(A))                       | (A)           | (kV)          |
| 750 r/min = 8 poles |            |            |         | 6000 V 50 Hz      |                 |                   |                 |         |       |        |                    |                     |              |                               |               |               |
| 1600                | NMK 560L8L | 1833       | 742     | 96.0              | 96.0            | 0.82              | 0.78            | 196     | 77    | 20595  | 2.2                | 171.8               | 9190         | 75                            | 637           | 1.530         |
| 1800                | NMK 560L8L | 1834       | 742     | 96.1              | 96.2            | 0.82              | 0.79            | 219     | 85    | 23162  | 2.2                | 186.2               | 9650         | 75                            | 644           | 1.701         |
| 2000                | NMK 560L8L | 1835       | 743     | 96.2              | 96.2            | 0.82              | 0.78            | 245     | 100   | 25716  | 2.4                | 200.6               | 10100        | 75                            | 634           | 1.912         |
| 2240                | NMK 560L8L | 1836       | 743     | 96.1              | 96.2            | 0.82              | 0.78            | 275     | 111   | 28807  | 2.3                | 207.8               | 10260        | 75                            | 668           | 2.037         |
| 2500                | NMK 560L8L | 1837       | 742     | 96.3              | 96.4            | 0.82              | 0.79            | 304     | 116   | 32160  | 2.2                | 222.2               | 10770        | 75                            | 697           | 2.185         |
| 2800                | NMK 560L8L | 1838       | 742     | 96.3              | 96.4            | 0.82              | 0.78            | 343     | 133   | 36018  | 2.2                | 229.4               | 10980        | 75                            | 727           | 2.346         |
| 3150                | NMK 630L8L | 2243       | 742     | 96.3              | 96.5            | 0.85              | 0.83            | 371     | 120   | 40512  | 2.1                | 341.3               | 14410        | 75                            | 1297          | 1.486         |
| 3550                | NMK 630L8L | 2244       | 743     | 96.4              | 96.6            | 0.85              | 0.83            | 418     | 134   | 45653  | 2.1                | 360.8               | 14990        | 75                            | 1340          | 1.620         |
| 4000                | NMK 710L8L | 10246      | 743     | 97.0              | 97.2            | 0.85              | 0.83            | 470     | 138   | 51390  | 1.9                | 419.9               | 14860        | 75                            | 1805          | 1.368         |
| 4500                | NMK 710L8L | 10247      | 743     | 97.0              | 97.3            | 0.85              | 0.84            | 528     | 147   | 57822  | 1.9                | 446.7               | 15460        | 75                            | 1879          | 1.483         |
| 5000                | NMK 710L8L | 10248      | 743     | 97.1              | 97.4            | 0.85              | 0.84            | 586     | 164   | 64236  | 1.9                | 473.5               | 16070        | 75                            | 1914          | 1.618         |
| 5600                | NMK 710L8L | 10249      | 743     | 97.2              | 97.4            | 0.84              | 0.83            | 658     | 190   | 71925  | 1.9                | 500.2               | 16660        | 75                            | 1948          | 1.777         |
| 6300                | NMK 710L8L | 10250      | 744     | 97.2              | 97.5            | 0.84              | 0.83            | 740     | 213   | 80899  | 1.9                | 540.4               | 17470        | 75                            | 1972          | 1.974         |

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

# Modular slip-ring motors, type NMK

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
11000 V, 50 Hz

| Output<br><br>(kW)   | Motor<br>type | Product<br>ID | Speed<br><br>(r/min) | Efficiency           |                    | Power factor         |                    | Current                         |                                 | Torque                           |                                                        | Rotor<br>inertia<br><br>(kgm²) | Motor<br>weight<br><br>(kg) | Sound<br>pressure<br>level<br><i>L<sub>p</sub></i><br><br>(dB(A)) | Rotor<br>current<br><br>(A) | Rotor<br>voltage<br><br>(kV) |
|----------------------|---------------|---------------|----------------------|----------------------|--------------------|----------------------|--------------------|---------------------------------|---------------------------------|----------------------------------|--------------------------------------------------------|--------------------------------|-----------------------------|-------------------------------------------------------------------|-----------------------------|------------------------------|
|                      |               |               |                      | Full<br>load<br>100% | 3/4<br>load<br>75% | Full<br>load<br>100% | 3/4<br>load<br>75% | <i>I<sub>N</sub></i><br><br>(A) | <i>I<sub>0</sub></i><br><br>(A) | <i>T<sub>N</sub></i><br><br>(Nm) | <i>T<sub>max</sub></i><br><i>T<sub>N</sub></i><br>(pu) |                                |                             |                                                                   |                             |                              |
|                      |               |               |                      |                      |                    |                      |                    |                                 |                                 |                                  |                                                        |                                |                             |                                                                   |                             |                              |
| 1500 r/min = 4 poles |               |               |                      | 11000 V 50 Hz        |                    |                      |                    |                                 |                                 |                                  |                                                        |                                |                             |                                                                   |                             |                              |
| 2240                 | NMK 560L4L    | 1718          | 1489                 | 96.4                 | 96.4               | 0.89                 | 0.87               | 137                             | 39                              | 14370                            | 2.6                                                    | 121.2                          | 9220                        | 79                                                                | 809                         | 1.679                        |
| 2500                 | NMK 560L4L    | 1719          | 1488                 | 96.3                 | 96.4               | 0.89                 | 0.87               | 153                             | 42                              | 16039                            | 2.6                                                    | 126.1                          | 9380                        | 79                                                                | 848                         | 1.790                        |
| 2800                 | NMK 560L4L    | 1720          | 1488                 | 96.6                 | 96.7               | 0.89                 | 0.87               | 171                             | 47                              | 17963                            | 2.5                                                    | 131.0                          | 9680                        | 79                                                                | 885                         | 1.918                        |
| 3150                 | NMK 560L4L    | 1721          | 1488                 | 96.5                 | 96.7               | 0.89                 | 0.87               | 192                             | 53                              | 20209                            | 2.5                                                    | 135.9                          | 9870                        | 79                                                                | 926                         | 2.064                        |
| 3550                 | NMK 560L4L    | 1722          | 1489                 | 96.5                 | 96.6               | 0.89                 | 0.87               | 218                             | 62                              | 22772                            | 2.5                                                    | 143.2                          | 10120                       | 79                                                                | 965                         | 2.233                        |
| 3800                 | NMK 560L4L    | 1723          | 1487                 | 96.5                 | 96.7               | 0.90                 | 0.89               | 231                             | 55                              | 24395                            | 2.3                                                    | 148.2                          | 10350                       | 79                                                                | 1037                        | 2.239                        |
| 4000                 | NMK 630L4L    | 2165          | 1489                 | 96.6                 | 96.7               | 0.89                 | 0.88               | 246                             | 58                              | 25645                            | 2.0                                                    | 217.7                          | 11910                       | 76                                                                | 1055                        | 2.333                        |
| 4500                 | NMK 630L4L    | 2166          | 1490                 | 96.7                 | 96.8               | 0.88                 | 0.87               | 277                             | 74                              | 28832                            | 2.2                                                    | 210.8                          | 12400                       | 76                                                                | 1764                        | 1.558                        |
| 5000                 | NMK 630L4L    | 2167          | 1490                 | 96.9                 | 97.0               | 0.88                 | 0.87               | 307                             | 79                              | 32040                            | 2.1                                                    | 218.3                          | 12790                       | 76                                                                | 1858                        | 1.644                        |
| 5600                 | NMK 630L4L    | 2168          | 1491                 | 97.0                 | 97.1               | 0.89                 | 0.88               | 341                             | 83                              | 35872                            | 2.1                                                    | 240.5                          | 13650                       | 76                                                                | 1840                        | 1.855                        |
| 6300                 | NMK 630L4L    | 2169          | 1491                 | 97.0                 | 97.1               | 0.89                 | 0.88               | 385                             | 95                              | 40360                            | 2.1                                                    | 250.7                          | 13860                       | 76                                                                | 1947                        | 1.976                        |
| 7100                 | NMK 710L4L    | 10157         | 1489                 | 96.6                 | 96.8               | 0.89                 | 0.90               | 432                             | 80                              | 45528                            | 1.8                                                    | 370.7                          | 15230                       | 80                                                                | 2282                        | 1.935                        |
| 8000                 | NMK 710L4L    | 10158         | 1490                 | 96.9                 | 97.0               | 0.90                 | 0.90               | 484                             | 93                              | 51260                            | 2.0                                                    | 408.8                          | 16230                       | 80                                                                | 2209                        | 2.234                        |
| 9000                 | NMK 710L4L    | 10159         | 1490                 | 97.0                 | 97.1               | 0.90                 | 0.90               | 543                             | 100                             | 57668                            | 1.9                                                    | 434.2                          | 16890                       | 80                                                                | 2294                        | 2.421                        |
| 1000 r/min = 6 poles |               |               |                      | 11000 V 50 Hz        |                    |                      |                    |                                 |                                 |                                  |                                                        |                                |                             |                                                                   |                             |                              |
| 2000                 | NMK 560L6L    | 1724          | 990                  | 95.9                 | 96.1               | 0.87                 | 0.85               | 127                             | 38                              | 19293                            | 2.2                                                    | 156.0                          | 8570                        | 77                                                                | 810                         | 1.514                        |
| 2240                 | NMK 560L6L    | 1725          | 991                  | 96.0                 | 96.2               | 0.87                 | 0.85               | 140                             | 42                              | 21581                            | 2.3                                                    | 184.8                          | 9410                        | 77                                                                | 750                         | 1.823                        |
| 2500                 | NMK 560L6L    | 1726          | 991                  | 96.3                 | 96.4               | 0.87                 | 0.85               | 156                             | 46                              | 24085                            | 2.3                                                    | 192.0                          | 9690                        | 77                                                                | 781                         | 1.952                        |
| 2800                 | NMK 560L6L    | 1727          | 991                  | 96.2                 | 96.4               | 0.87                 | 0.85               | 175                             | 52                              | 26974                            | 2.3                                                    | 199.3                          | 9860                        | 77                                                                | 814                         | 2.101                        |
| 3150                 | NMK 560L6L    | 1728          | 991                  | 96.3                 | 96.5               | 0.87                 | 0.85               | 198                             | 61                              | 30342                            | 2.3                                                    | 206.5                          | 10090                       | 77                                                                | 846                         | 2.272                        |
| 3520                 | NMK 560L6L    | 2498          | 991                  | 96.4                 | 96.6               | 0.87                 | 0.85               | 221                             | 66                              | 33903                            | 2.3                                                    | 220.9                          | 10540                       | 77                                                                | 866                         | 2.480                        |
| 3550                 | NMK 630L6L    | 2528          | 992                  | 96.5                 | 96.6               | 0.87                 | 0.85               | 223                             | 67                              | 34158                            | 2.3                                                    | 304.7                          | 12560                       | 78                                                                | 901                         | 2.403                        |
| 4000                 | NMK 630L6L    | 2170          | 992                  | 96.6                 | 96.8               | 0.87                 | 0.86               | 250                             | 67                              | 38517                            | 2.0                                                    | 315.5                          | 12890                       | 78                                                                | 991                         | 2.478                        |
| 4500                 | NMK 630L6L    | 2171          | 992                  | 96.7                 | 96.9               | 0.87                 | 0.85               | 282                             | 79                              | 43313                            | 2.1                                                    | 314.2                          | 13700                       | 78                                                                | 1676                        | 1.642                        |
| 5000                 | NMK 630L6L    | 2172          | 992                  | 96.8                 | 97.0               | 0.87                 | 0.86               | 311                             | 85                              | 48115                            | 2.1                                                    | 342.6                          | 14510                       | 78                                                                | 1680                        | 1.818                        |
| 5600                 | NMK 710L6L    | 10160         | 992                  | 96.9                 | 97.2               | 0.87                 | 0.87               | 347                             | 87                              | 53912                            | 2.0                                                    | 408.3                          | 15090                       | 79                                                                | 2084                        | 1.653                        |
| 6300                 | NMK 710L6L    | 10161         | 993                  | 97.2                 | 97.3               | 0.87                 | 0.85               | 392                             | 110                             | 60593                            | 2.2                                                    | 448.3                          | 16080                       | 79                                                                | 1995                        | 1.926                        |
| 7100                 | NMK 710L6L    | 10162         | 993                  | 97.2                 | 97.4               | 0.87                 | 0.85               | 442                             | 124                             | 68284                            | 2.2                                                    | 474.9                          | 16670                       | 79                                                                | 2064                        | 2.100                        |
| 8000                 | NMK 710L6L    | 10163         | 993                  | 97.3                 | 97.5               | 0.87                 | 0.86               | 495                             | 132                             | 76937                            | 2.1                                                    | 514.9                          | 17620                       | 79                                                                | 2113                        | 2.312                        |

Note: Rating list presents typical value of preliminary technical data on standard conditions.

Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

# Modular slip-ring motors, type NMK

## Technical data

IP55, IC81W, insulation class F, temperature rise class B  
11000 V, 50 Hz

| Output              | Motor type | Product ID | Speed         | Efficiency        |                 | Power factor      |                 | Current |       | Torque |                    | Rotor inertia       | Motor weight | Sound pressure level<br>$L_p$ | Rotor current | Rotor voltage |
|---------------------|------------|------------|---------------|-------------------|-----------------|-------------------|-----------------|---------|-------|--------|--------------------|---------------------|--------------|-------------------------------|---------------|---------------|
|                     |            |            |               | Full load<br>100% | 3/4 load<br>75% | Full load<br>100% | 3/4 load<br>75% | $I_N$   | $I_0$ | $T_N$  | $T_{max}$<br>$T_N$ |                     |              |                               |               |               |
| (kW)                |            |            | (r/min)       |                   |                 |                   |                 | (A)     | (A)   | (Nm)   | (pu)               | (kgm <sup>2</sup> ) | (kg)         | (dB(A))                       | (A)           | (kV)          |
| 750 r/min = 8 poles |            |            | 11000 V 50 Hz |                   |                 |                   |                 |         |       |        |                    |                     |              |                               |               |               |
| 1120                | NMK 560L8L | 1730       | 741           | 95.2              | 95.4            | 0.84              | 0.81            | 74      | 26    | 14429  | 2.2                | 164.6               | 8890         | 75                            | 561           | 1.230         |
| 1250                | NMK 560L8L | 1731       | 742           | 95.4              | 95.5            | 0.84              | 0.81            | 82      | 29    | 16097  | 2.2                | 171.8               | 9120         | 75                            | 573           | 1.341         |
| 1400                | NMK 560L8L | 1732       | 742           | 95.5              | 95.7            | 0.83              | 0.80            | 93      | 34    | 18019  | 2.2                | 179.0               | 9350         | 75                            | 582           | 1.474         |
| 1600                | NMK 560L8L | 1733       | 742           | 95.7              | 95.9            | 0.84              | 0.81            | 105     | 37    | 20604  | 2.1                | 186.2               | 9570         | 75                            | 629           | 1.563         |
| 1800                | NMK 560L8L | 1734       | 742           | 95.8              | 96.0            | 0.82              | 0.79            | 120     | 46    | 23156  | 2.2                | 193.4               | 9800         | 75                            | 626           | 1.755         |
| 2000                | NMK 560L8L | 1735       | 743           | 96.0              | 96.1            | 0.82              | 0.78            | 133     | 53    | 25708  | 2.3                | 215.0               | 10470        | 75                            | 605           | 2.006         |
| 2240                | NMK 560L8L | 1736       | 743           | 95.9              | 96.0            | 0.81              | 0.76            | 152     | 66    | 28785  | 2.4                | 215.0               | 10430        | 75                            | 632           | 2.150         |
| 2500                | NMK 630L8L | 2173       | 743           | 96.1              | 96.2            | 0.84              | 0.81            | 163     | 58    | 32135  | 2.2                | 317.0               | 12960        | 75                            | 703           | 2.170         |
| 2800                | NMK 630L8L | 2174       | 743           | 96.1              | 96.3            | 0.85              | 0.82            | 181     | 59    | 36005  | 2.0                | 349.5               | 13800        | 75                            | 729           | 2.354         |
| 3150                | NMK 630L8L | 2175       | 742           | 96.1              | 96.4            | 0.85              | 0.83            | 203     | 65    | 40515  | 2.0                | 341.0               | 14350        | 75                            | 1304          | 1.483         |
| 3550                | NMK 710L8L | 10164      | 743           | 96.6              | 96.9            | 0.84              | 0.83            | 228     | 68    | 45651  | 1.9                | 391.2               | 14070        | 75                            | 1750          | 1.255         |
| 4000                | NMK 710L8L | 10165      | 742           | 96.7              | 97.0            | 0.85              | 0.84            | 256     | 71    | 51448  | 1.8                | 418.2               | 14670        | 75                            | 1826          | 1.362         |
| 4500                | NMK 710L8L | 10166      | 743           | 96.9              | 97.2            | 0.85              | 0.84            | 288     | 80    | 57824  | 1.8                | 446.7               | 15300        | 75                            | 1883          | 1.483         |
| 5000                | NMK 710L8L | 10167      | 743           | 97.0              | 97.3            | 0.85              | 0.85            | 319     | 84    | 64243  | 1.8                | 486.9               | 16190        | 75                            | 1902          | 1.634         |
| 5600                | NMK 710L8L | 10168      | 743           | 97.1              | 97.4            | 0.85              | 0.85            | 356     | 93    | 71933  | 1.8                | 527.0               | 17060        | 75                            | 1915          | 1.817         |

Note: Rating list presents typical value of preliminary technical data on standard conditions.

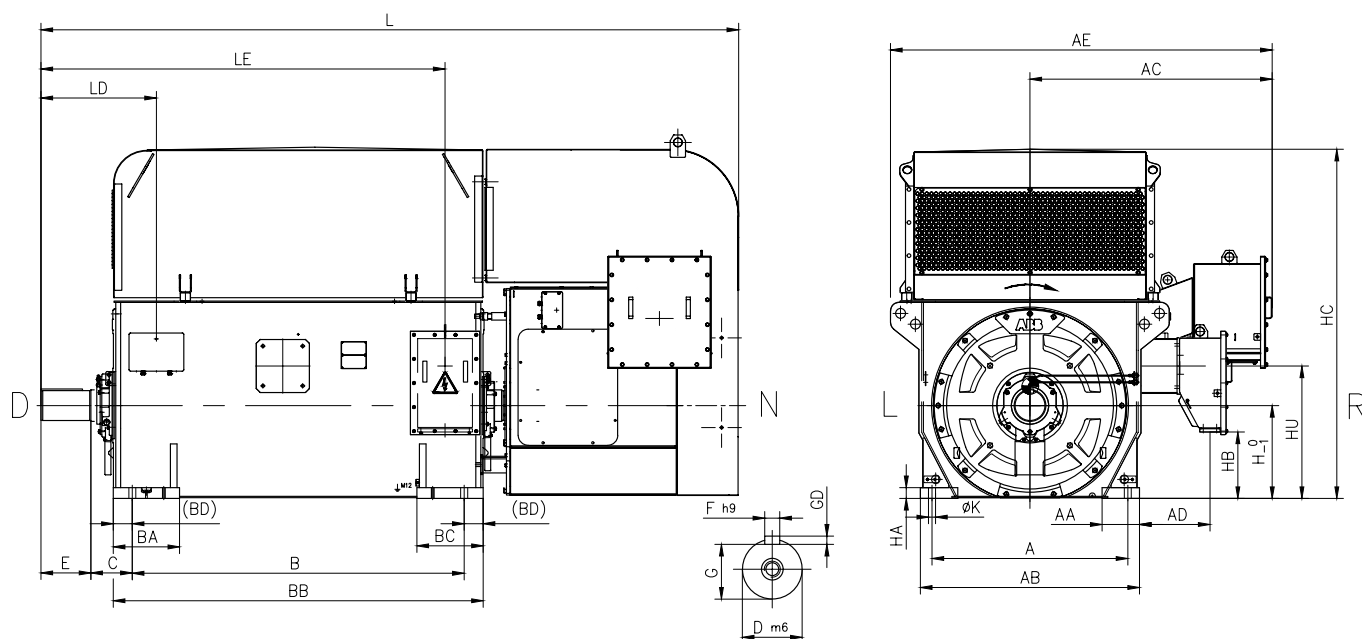
Note: Ratings of special site conditions of ambient temperature up to 50 °C or down to -50 °C, altitude higher than 1000 m a.s.l on request.

Note: Accurate motor performance data will be given on specific requirements at the quotation phase.

# Modular slip-ring motors, type NMK

## Dimension drawings

1 < UN ≤ 6.6 kV, IM 1001, IC611 / IP55



| NMK  | Poles | A    | B    | C   | D   | E   | F  | G   | H   | K  | L    | AA  | AB   | AC   | AD  | AE   |
|------|-------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|-----|------|
| 400L | ≥4    | 800  | 1340 | 200 | 110 | 210 | 28 | 100 | 400 | 36 | 2805 | 160 | 920  | 1195 | 310 | 1740 |
| 450L | ≥4    | 950  | 1400 | 250 | 120 | 210 | 32 | 109 | 450 | 42 | 2985 | 185 | 1070 | 1195 | 285 | 1795 |
| 500L | ≥4    | 1000 | 1600 | 250 | 140 | 250 | 36 | 128 | 500 | 42 | 3250 | 190 | 1170 | 1195 | 295 | 1840 |
| 560L | ≥4    | 1180 | 2000 | 250 | 180 | 300 | 40 | 165 | 560 | 42 | 4210 | 225 | 1320 | 1460 | 425 | 2305 |
| 630L | ≥4    | 1400 | 2240 | 250 | 200 | 350 | 45 | 185 | 630 | 42 | 4490 | 200 | 1500 | 1550 | 421 | 2485 |
| 710L | 4     | 1600 | 2500 | 560 | 220 | 350 | 50 | 203 | 710 | 42 | 5420 | 200 | 1700 | 1910 | 795 | 2980 |
| 710L | ≥6    | 1600 | 2500 | 355 | 220 | 350 | 50 | 203 | 710 | 42 | 5215 | 200 | 1700 | 1910 | 795 | 2980 |

| NMK  | Poles | BA  | BB   | BC  | BD  | GD | HA | HB    | HC   | LD   | LE   | HU    | D-end bearing       | N-end bearing |
|------|-------|-----|------|-----|-----|----|----|-------|------|------|------|-------|---------------------|---------------|
| 400L | ≥4    | 250 | 1540 | 250 | 100 | 16 | 30 | 250   | 1595 | 580  | 1600 | 635   | 6324/C3             | 6228/C3       |
| 450L | ≥4    | 270 | 1700 | 270 | 150 | 18 | 40 | 300   | 1740 | 610  | 1720 | 685   | 6326/C3             | 6228/C3       |
| 500L | ≥4    | 280 | 1900 | 280 | 150 | 20 | 45 | 375   | 1930 | 675  | 2010 | 765   | 6330/C3             | 6330/C3       |
| 560L | ≥4    | 400 | 2230 | 400 | 115 | 25 | 65 | 400   | 2190 | 695  | 2435 | 798.5 | 6038M/C3+NU1038M/C3 | NU1038M/C3    |
| 630L | ≥4    | 400 | 2470 | 400 | 115 | 25 | 65 | 500.5 | 2395 | 745  | 2725 | 948.5 | 6044M/C3+NU1044M/C3 | NU1044M/C3    |
| 710L | 4     | 400 | 2730 | 400 | 115 | 28 | 65 | 400   | 2555 | 1096 | 3290 | 980   | FZLB18-225          | FZLQ18-225    |
| 710L | ≥6    | 400 | 2730 | 400 | 115 | 28 | 65 | 400   | 2555 | 891  | 3085 | 980   | 6048M/C3+NU1048M/C3 | NU1048M/C3    |

Note: Preliminary dimensions of standard configuration in the list.

Note: Optional solutions e.g. NEMA oversize main terminal box, IM 1002, sleeve bearings, with BLD, etc. on request.

Note: Sleeve bearings with oil circulation are default for 4 pole machines on frame size 710 mm.

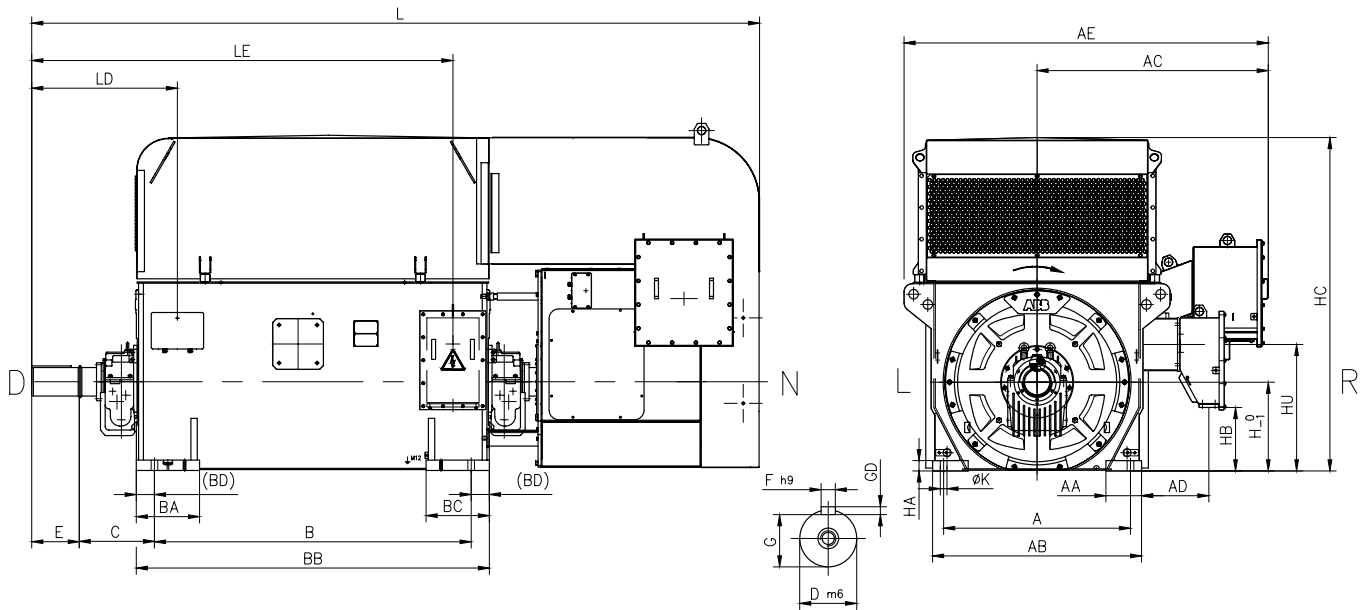
Note: Accurate dimension drawing will be given on customized solution at the quotation phase.

Table gives main dimensions in mm.

# Modular slip-ring motors, type NMK

## Dimension drawings

6.6 < UN ≤ 11 kV, IM 1001, IC611 / IP55



| NMK  | Poles | A    | B    | C   | D   | E   | F  | G   | H   | K  | L    | AA  | AB   | AC   | AD  | AE   |
|------|-------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|-----|------|
| 400L | ≥4    | 800  | 1340 | 200 | 110 | 210 | 28 | 100 | 400 | 36 | 2805 | 160 | 920  | 1195 | 380 | 1740 |
| 450L | ≥4    | 950  | 1400 | 250 | 120 | 210 | 32 | 109 | 450 | 42 | 2985 | 185 | 1070 | 1195 | 360 | 1795 |
| 500L | ≥4    | 1000 | 1600 | 250 | 140 | 250 | 36 | 128 | 500 | 42 | 3250 | 190 | 1170 | 1195 | 370 | 1840 |
| 560L | ≥4    | 1180 | 2000 | 250 | 180 | 300 | 40 | 165 | 560 | 42 | 4210 | 225 | 1320 | 1460 | 507 | 2305 |
| 630L | ≥4    | 1400 | 2240 | 250 | 200 | 350 | 45 | 185 | 630 | 42 | 4490 | 200 | 1500 | 1550 | 503 | 2485 |
| 710L | 4     | 1600 | 2500 | 560 | 220 | 350 | 50 | 203 | 710 | 42 | 5420 | 200 | 1700 | 1910 | 795 | 2980 |
| 710L | ≥6    | 1600 | 2500 | 355 | 220 | 350 | 50 | 203 | 710 | 42 | 5215 | 200 | 1700 | 1910 | 795 | 2980 |

| NMK  | Poles | BA  | BB   | BC  | BD  | GD | HA | HB    | HC   | LD   | LE   | HU    | D-end bearing       | N-end bearing |
|------|-------|-----|------|-----|-----|----|----|-------|------|------|------|-------|---------------------|---------------|
| 400L | ≥4    | 250 | 1540 | 250 | 100 | 16 | 30 | 85    | 1595 | 580  | 1600 | 635   | 6324/C3             | 6228/C3       |
| 450L | ≥4    | 270 | 1700 | 270 | 150 | 18 | 40 | 135   | 1740 | 610  | 1720 | 685   | 6326/C3             | 6228/C3       |
| 500L | ≥4    | 280 | 1900 | 280 | 150 | 20 | 45 | 210   | 1930 | 675  | 2010 | 765   | 6330/C3             | 6330/C3       |
| 560L | ≥4    | 400 | 2230 | 400 | 115 | 25 | 65 | 245   | 2190 | 695  | 2435 | 798.5 | 6038M/C3+NU1038M/C3 | NU1038M/C3    |
| 630L | ≥4    | 400 | 2470 | 400 | 115 | 25 | 65 | 393.5 | 2395 | 745  | 2725 | 948.5 | 6044M/C3+NU1044M/C3 | NU1044M/C3    |
| 710L | 4     | 400 | 2730 | 400 | 115 | 28 | 65 | 400   | 2555 | 1096 | 3290 | 980   | FZLB18-225          | FZLQ18-225    |
| 710L | ≥6    | 400 | 2730 | 400 | 115 | 28 | 65 | 400   | 2555 | 891  | 3085 | 980   | 6048M/C3+NU1048M/C3 | NU1048M/C3    |

Note: Preliminary dimensions of standard configuration in the list.

Note: Optional solutions e.g. NEMA oversize main terminal box, IM 1002, sleeve bearings, with BLD, etc. on request.

Note: Sleeve bearings with oil circulation are default for 4 pole machines on frame size 710mm.

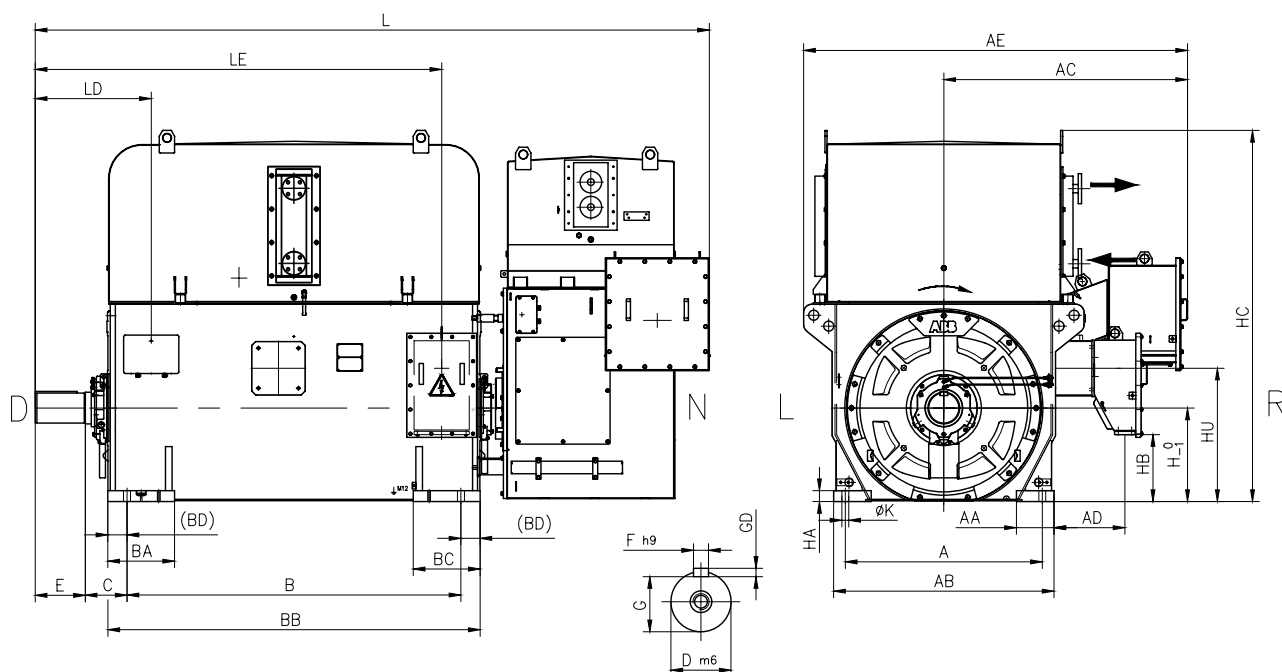
Note: Accurate dimension drawing will be given on customized solution at the quotation phase.

Table gives main dimensions in mm.

## Modular slip-ring motors, type NMK

### Dimension drawings

IM 1001, IC81W / IP55



| NMK  | Voltage     | Poles | A    | B    | C   | D   | E   | F  | G   | H   | K  | L    | AA  | AB   | AC   | AD  | AE   |
|------|-------------|-------|------|------|-----|-----|-----|----|-----|-----|----|------|-----|------|------|-----|------|
| 560L | 1<U≤6.6 kV  | ≥4    | 1180 | 2000 | 250 | 180 | 300 | 40 | 165 | 560 | 42 | 3875 | 225 | 1320 | 1460 | 425 | 2305 |
| 560L | 6.6<U≤11 kV | ≥4    | 1180 | 2000 | 250 | 180 | 300 | 40 | 165 | 560 | 42 | 3875 | 225 | 1320 | 1460 | 507 | 2305 |
| 630L | 1<U≤6.6 kV  | ≥4    | 1400 | 2240 | 250 | 200 | 350 | 45 | 185 | 630 | 42 | 4165 | 200 | 1500 | 1550 | 421 | 2485 |
| 630L | 6.6<U≤11 kV | ≥4    | 1400 | 2240 | 250 | 200 | 350 | 45 | 185 | 630 | 42 | 4165 | 200 | 1500 | 1550 | 503 | 2485 |
| 710L | 1<U≤6.6 kV  | 4     | 1600 | 2500 | 560 | 220 | 350 | 50 | 203 | 710 | 42 | 5100 | 200 | 1700 | 1910 | 795 | 2980 |
| 710L | 6.6<U≤11 kV | 4     | 1600 | 2500 | 560 | 220 | 350 | 50 | 203 | 710 | 42 | 5100 | 200 | 1700 | 1910 | 795 | 2980 |
| 710L | 1<U≤6.6 kV  | ≥6    | 1600 | 2500 | 355 | 220 | 350 | 50 | 203 | 710 | 42 | 4895 | 200 | 1700 | 1910 | 795 | 2980 |
| 710L | 6.6<U≤11 kV | ≥6    | 1600 | 2500 | 355 | 220 | 350 | 50 | 203 | 710 | 42 | 4895 | 200 | 1700 | 1910 | 795 | 2980 |

| NMK  | Voltage     | Poles | BA  | BB   | BC  | BD  | GD | HA | HB    | HC   | LD   | LE   | HU    | D-end bearing       | N-end bearing |
|------|-------------|-------|-----|------|-----|-----|----|----|-------|------|------|------|-------|---------------------|---------------|
| 560L | 1<U≤6.6 kV  | ≥4    | 400 | 2230 | 400 | 115 | 25 | 65 | 400   | 2225 | 695  | 2435 | 798.5 | 6038M/C3+NU1038M/C3 | NU1038M/C3    |
| 560L | 6.6<U≤11 kV | ≥4    | 400 | 2230 | 400 | 115 | 25 | 65 | 245   | 2225 | 695  | 2435 | 798.5 | 6038M/C3+NU1038M/C3 | NU1038M/C3    |
| 630L | 1<U≤6.6 kV  | ≥4    | 400 | 2470 | 400 | 115 | 25 | 65 | 500.5 | 2545 | 745  | 2725 | 948.5 | 6044M/C3+NU1044M/C3 | NU1044M/C3    |
| 630L | 6.6<U≤11 kV | ≥4    | 400 | 2470 | 400 | 115 | 25 | 65 | 393.5 | 2545 | 745  | 2725 | 948.5 | 6044M/C3+NU1044M/C3 | NU1044M/C3    |
| 710L | 1<U≤6.6 kV  | 4     | 400 | 2730 | 400 | 115 | 28 | 65 | 400   | 2730 | 1096 | 3290 | 980   | FZLB18-225          | FZLQ18-225    |
| 710L | 6.6<U≤11 kV | 4     | 400 | 2730 | 400 | 115 | 28 | 65 | 400   | 2730 | 1096 | 3290 | 980   | FZLB18-225          | FZLQ18-225    |
| 710L | 1<U≤6.6 kV  | ≥6    | 400 | 2730 | 400 | 115 | 28 | 65 | 400   | 2730 | 891  | 3085 | 980   | 6048M/C3+NU1048M/C3 | NU1048M/C3    |
| 710L | 6.6<U≤11 kV | ≥6    | 400 | 2730 | 400 | 115 | 28 | 65 | 400   | 2730 | 891  | 3085 | 980   | 6048M/C3+NU1048M/C3 | NU1048M/C3    |

Note: Preliminary dimensions of standard configuration in the list.

Note: Optional solutions e.g. NEMA oversize main terminal box, IM 1002, sleeve bearings, with BLD, etc. on request.

Note: Sleeve bearings with oil circulation are default for 4 pole machines on frame size 710mm.

Note: Accurate dimension drawing will be given on customized solution at the quotation phase.

Table gives main dimensions in mm.

# Total product offering

ABB offers a wide range of motors, generators and mechanical power transmission products with a complete portfolio of services.



## IEC motors

- Low voltage motors
- High voltage induction motors
- Synchronous motors
- Marine motors
- Motors for explosive atmospheres
- Motors for food and beverage
- Motors for variable speed drives
- Permanent magnet motors
- Synchronous reluctance motors
- Traction motors

## NEMA motors

- Low voltage motors
- High voltage induction motors
- Synchronous motors
- Marine motors
- Motors for explosive atmospheres
- Motors for variable speed drives
- Permanent magnet motors
- Servomotors
- Washdown motors

## Generators

- Generators for wind turbines
- Generators for diesel and gas engine power plants
- Generators for steam and gas turbine power plants
- Generators for marine applications
- Generators for industrial applications
- Generators for traction applications

## Synchronous condensers

## Life-cycle services and support

## Drives

## Contactors

- ConVac medium voltage IEC vacuum contactor

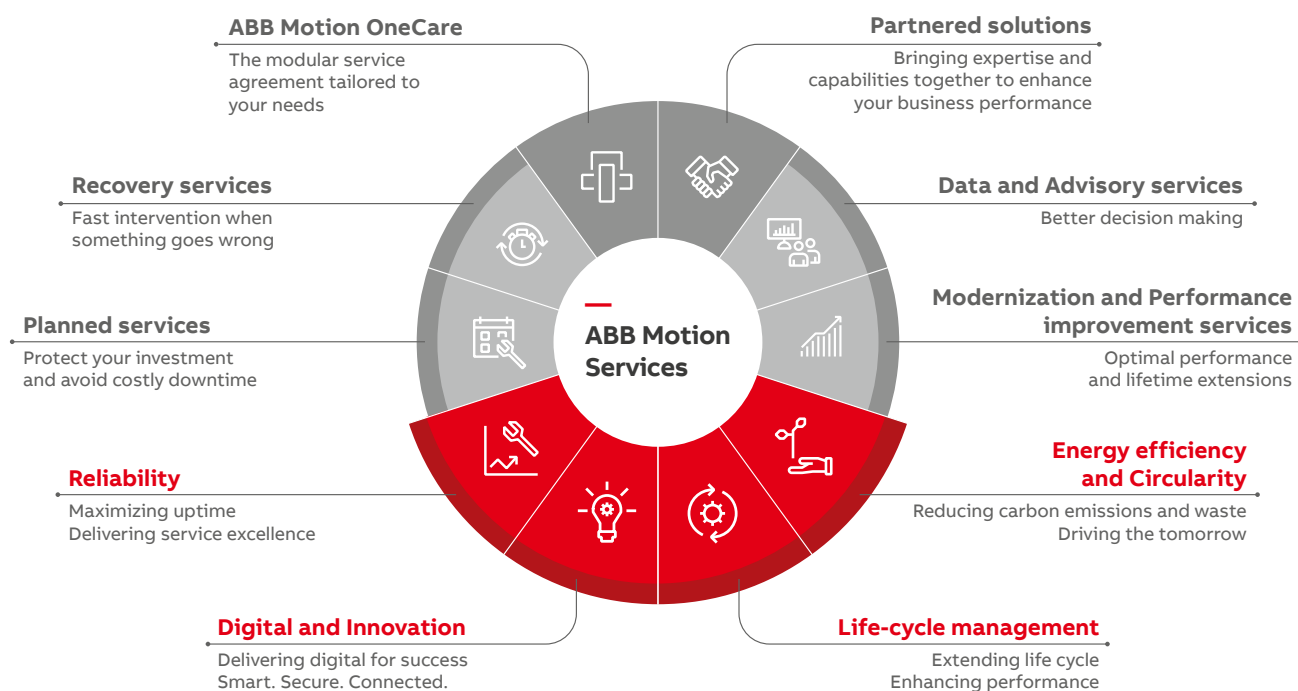
## Life cycle services and support

### Service to match your needs

We can make the difference for you every day by keeping your operations running profitably, safely, and reliably.

Based on 140 years of experience in manufacturing and servicing motors and generators, we provide support to maximize performance, uptime and efficiency over the lifetime of your assets.

Whatever your applications' needs, we offer a full range of services to keep your equipment running at top performance.



**OUR EXPERTISE**  
**YOUR ADVANTAGE**





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For more information, please contact  
your local ABB representative or visit

**[new.abb.com/motors-generators](https://new.abb.com/motors-generators)**