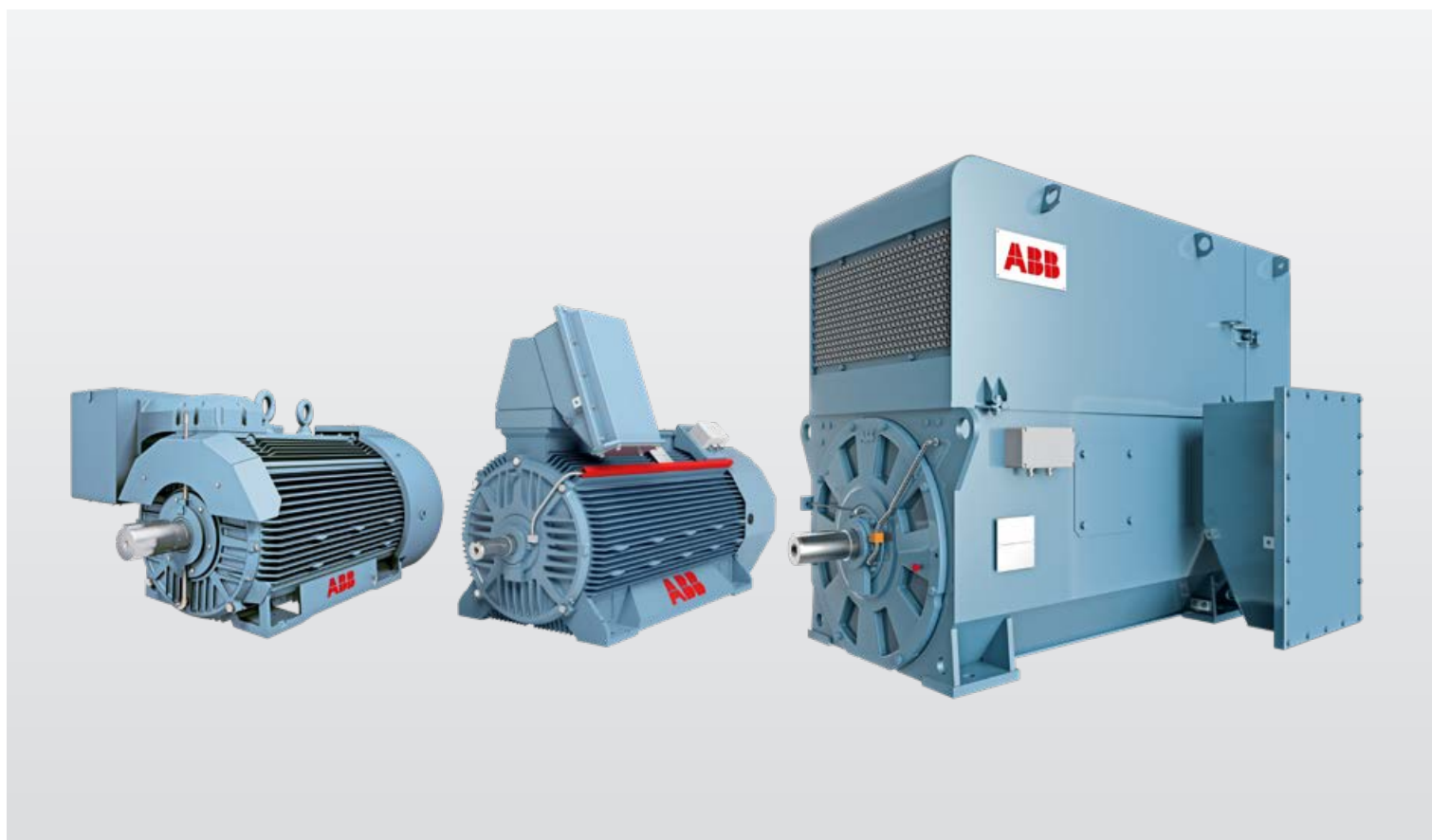


CATALOG

High voltage general purpose motors

Technical catalog



N-series general purpose motors combine cost-efficient standardized designs and short lead times with safety, productivity, energy efficiency and reliability

—

High voltage general purpose motors from ABB combine cost-efficient standardized designs and short lead times with safety, productivity, energy efficiency and reliability. They are targeted at applications where a highly customized motor is not needed.

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05	MachSize online selection tool
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89	Life cycle services and support

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

Data presented in rating lists are typical values. 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 80K by resistance
– 40°C ambient
– Altitude of 1000 meters or less

High voltage general purpose motors

N-series

High voltage general purpose motors from ABB combine cost-efficient standardized designs and short lead times with safety, productivity, energy efficiency and reliability. They are targeted at applications where a highly customized motor is not needed.

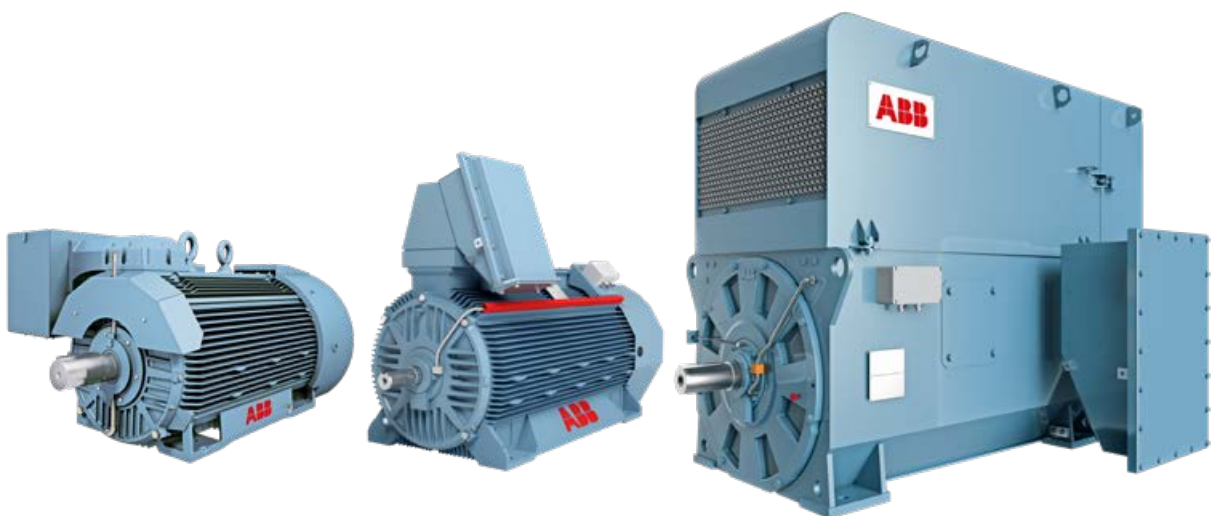
This catalog covers ABB's N-series high voltage general purpose motors: rib cooled motors (type NXR), modular induction motors (type NMI).

With their standardized designs and short lead times, the N-series high voltage pre-engineered motors meet most common needs across a wide range of industries.

Based on broad experience of different industries and applications, the motors use cost-effective pre-packaged designs to meet the same high quality standards as all ABB motors but with lead times that are several weeks shorter.

The pre-engineered N-series complements the A-series of engineered motors, which are highly customized, fine-tuned to the customer's precise needs, and offer a high degree of engineering flexibility.

Like all ABB products, the N-series 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.



MachSize

Easy-to-use online selection tool

Handy online tool makes it possible to select and buy a high voltage motor in just a few minutes.



MachSize is an intuitive online tool which reduces the time needed to get a quotation and order a motor from several days to just a few minutes. MachSize enables you to configure N-series high voltage general purpose motors, generate quotations, send orders and obtain all the necessary documentation. It guides you through the motor selection process in a series of straightforward, logical steps.

Because MachSize is an online tool, it can be accessed 24/7 on laptops, tablets, phones – any device that has a browser and Internet connection.

MachSize is targeted at registered customers and ABB partners like distributors and OEMs.

If you would like to try MachSize, please contact ABB. Our local sales unit will help you to register. After registration you can access it by scanning the QR code on the right.



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.

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 30 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, all motors are designed to stay within temperature Class B.

Main terminal boxes

Technical data:

Voltage (max.)	11.0 kV
Current (max.)	400 A
No. of cables (max.)	1 per phase
Cross section of cables (max.)	300 mm ² /cable
Cable gland	blind gland (1 pce)
Clearance (min.)	100 mm
Creepage (min.)	163 mm
Gross volume	127 dm ³
Usable volume	117 dm ³
Connection screws	M16 (3 pcs)
Connection nuts	tightening torque 40 Nm
Ground connections	M12 (both in- and outside)
Weight	62 kg
Protection	IP55/IP66
Standard	DIN 42962 TEIL 2, C2

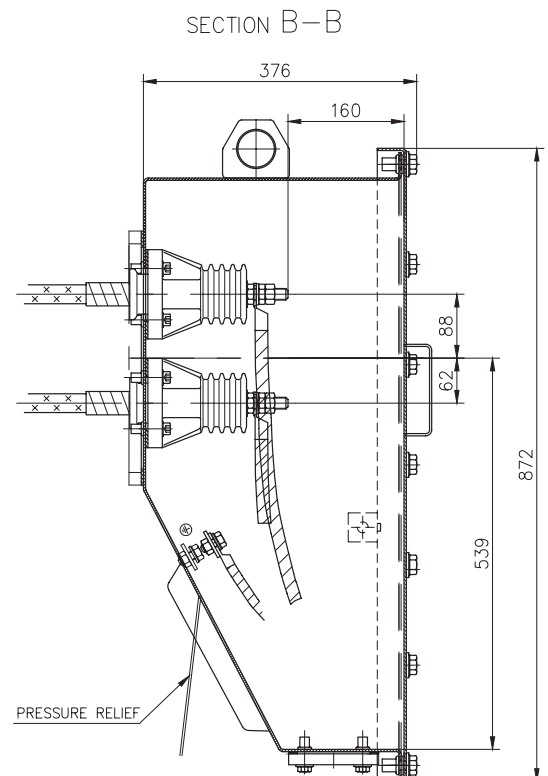
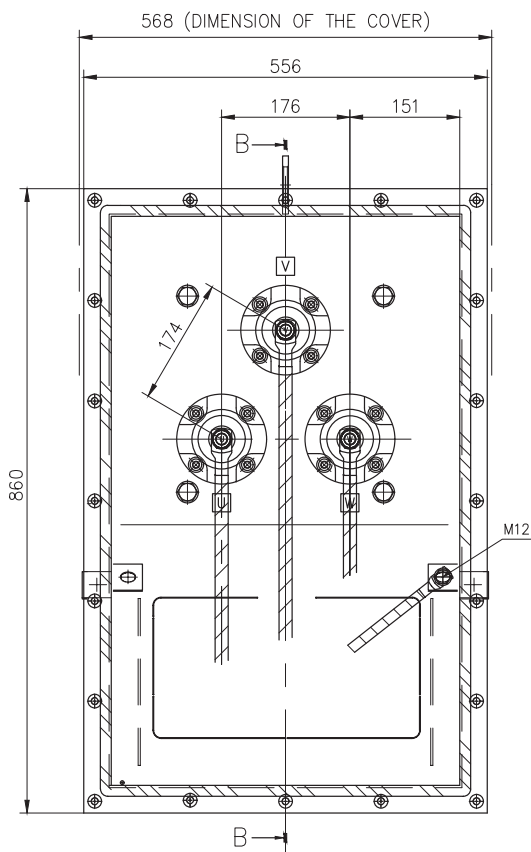
Materials:

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

02 High voltage terminal box, max 11 kV/400 A. Dimensions in mm.

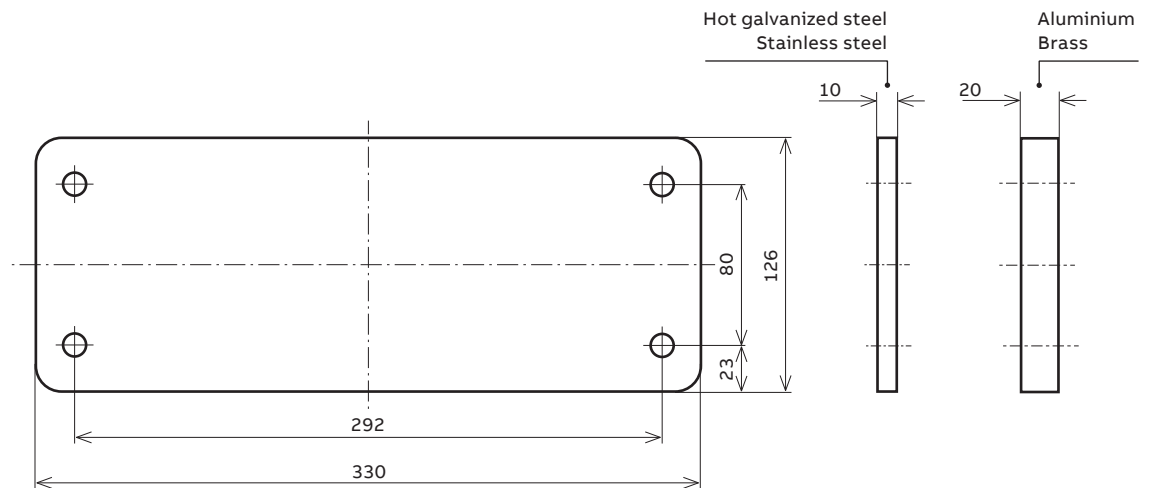


Main terminal boxes

Dimensions for terminal box inlet, blind flange

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

03 Blind flange FL 33 for terminal box.



Auxiliary terminal boxes

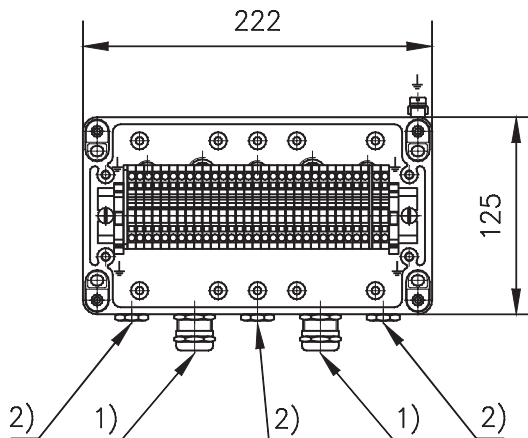
As standard, motors in safe areas are equipped with one common auxiliary terminal box for monitoring devices and space heaters.

Standard auxiliary terminal boxes

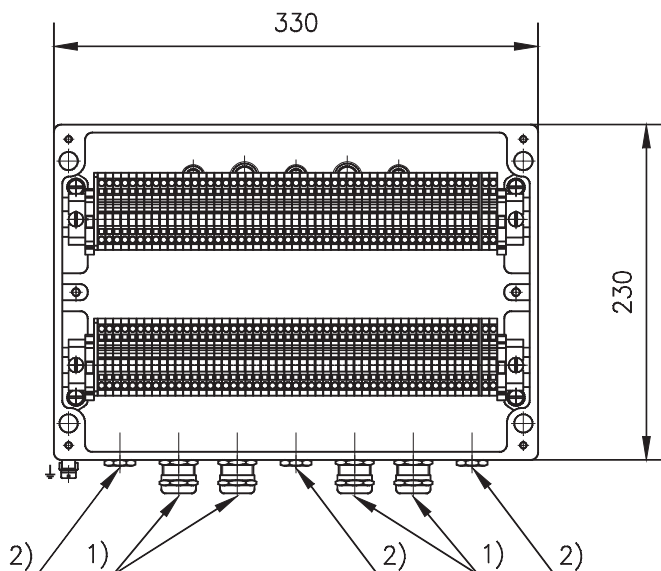
Type designation	Use	Size (H x D x W) mm
Small terminal box	Standard	125 x 81 x 222
Large terminal box	When additional space needed	230 x 180 x 330

Typical arrangements for standard terminal boxes are shown below. The number of terminal blocks depends on the number of accessories used with the motor.

04 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.



05 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

This chapter provides information about bearings for NXR and NMI motors.

Horizontal motors, antifriction bearings

Horizontal motors in frame sizes 315 to 500 have deep groove ball bearings at both ends. The NMI 560–630 has 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). 2 pole motors in frame size 500–630 have sleeve bearings as standard solution.

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 12.

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
NXR 315	≥2	6317M/C3	6317M/C3
NXR 355	2	6317M/C3	6317M/C3
NXR 355	≥4	6319M/C3	6319M/C3
NXR 400	2	6317M/C3	6317M/C3
NXR 400	≥4	6324/C3	6319M/C3
NXR 450	2	6319M/C3	6319M/C3
NXR 450	≥4	6324/C3	6324/C3
NXR 500	2	Sleeve*)	Sleeve*)
NXR 500	≥4	6330M/C3	6330M/C3
NMI 355	2	6319M/C3	6319M/C3
NMI 355	≥4	6222/C3	6220/C3
NMI 400	2	6220M/C3	6220M/C3
NMI 400	≥4	6226/C3	6220/C3
NMI 450	2	6222M/C3	6222M/C3
NMI 450	≥4	6228/C3	6222/C3
NMI 500	2	Sleeve*)	Sleeve*)
NMI 500	≥4	6232M/C3	6228/C3
NMI 560	2	Sleeve*)	Sleeve*)
NMI 560	≥4	6038M/C3+NU1038M/C3	NU1034M/C3
NMI 630	2	Sleeve*)	Sleeve*)
NMI 630	4	6038M/C3+NU1038M/C3	NU1038M/C3
NMI 630	≥6	6044M/C3+NU1044M/C3	NU1044M/C3

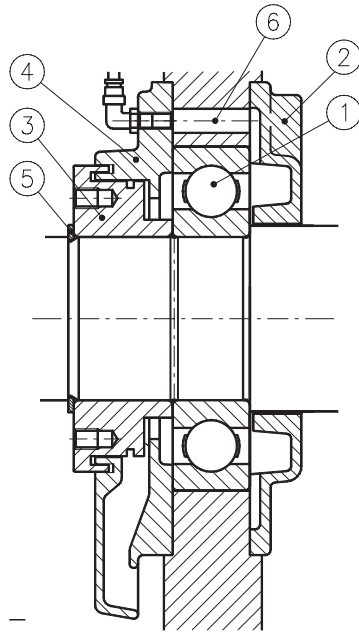
*) See section on sleeve bearings

Bearings

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

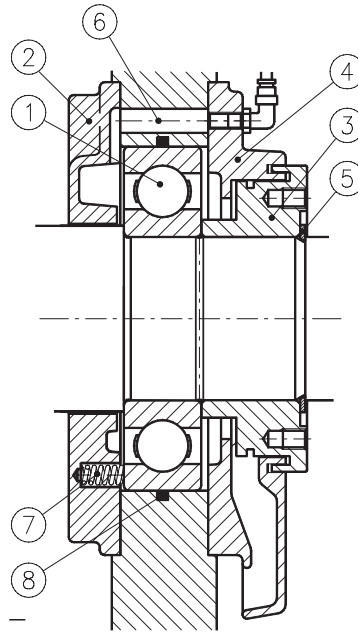
-
- 06
- 1 Groove ball bearing
- 2 Inner bearing cover
- 3 Grease valve
- 4 Outer bearing cover
- 5 Circlip
- 6 Hexagon screw
- 7 Spring
- 8 O-ring

D-end



—
06

N-end

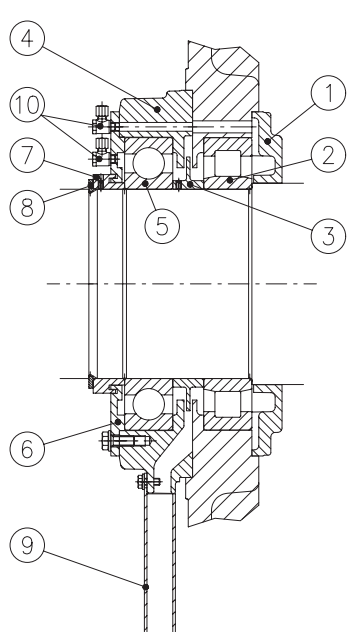


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06

Standard bearing construction for horizontally mounted motors, frame sizes 560 to 630.

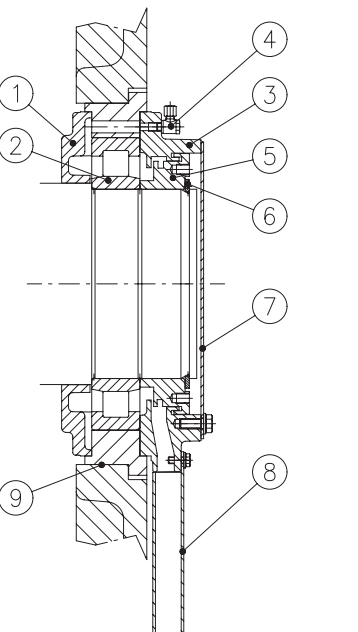
-
- 07
- 1 Inner bearing cover
- 2 Cylindrical roller bearing
- 3 Grease valve
- 4 Bearing housing
- 5 Deep groove ball bearing
- 6 Outer bearing cover
- 7 Labyrinth seal
- 8 Retaining ring
- 9 Waste grease box
- 10 Grease adapter

D-end



—
07

N-end



—
08

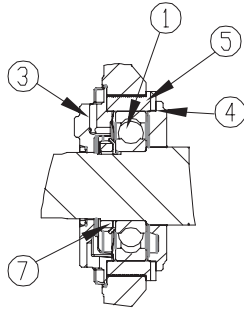
-
- 08
- 1 Inner bearing cover
- 2 Cylindrical roller bearing
- 3 Outer bearing cover
- 4 Grease adapter
- 5 Grease valve and labyrinth seal
- 6 Retaining ring
- 7 Cover plate
- 8 Waste grease box
- 9 Insulation

Bearings

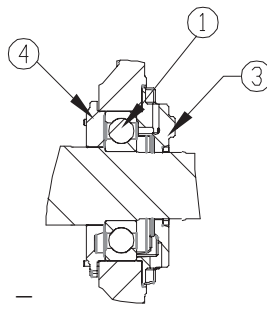
NEMA bearing construction

- 09
- 1 Ball bearing
- 2 Roller bearing
- 3 Outer cap
- 4 Inner cap
- 5 Bearing spacer
- 6 Spring washer
- 7 Locknut/washer

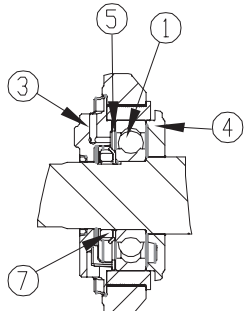
N-end axially free
"coupled"



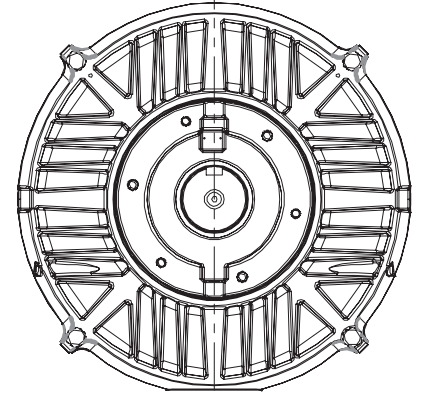
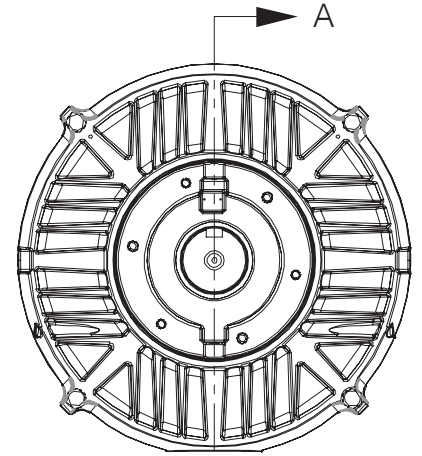
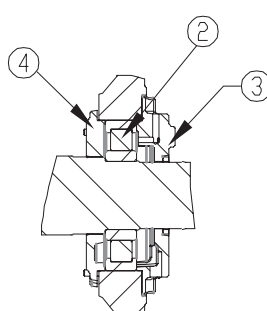
D-end axially
"coupled"



N-end axially locked
"belted"



D-end
"belted"



SECTION A-A



Bearings

Rated lifetime

Most 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.

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 NXR 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 ¹⁾	2500 ¹⁾	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

¹⁾ Use synthetic grease only

Relubrication intervals and grease amount for NMI motors

Bearing type	Amount of grease [g]	Lubrication intervals in running hours at different speeds [rpm]			
		3000	1500	1000	750
6319	45	2200	8000	8800	8800
6220	30	2200	8800	8800	8800
6226	45	NA	5100	8800	8800
6222	38	1500	8800	8800	8800
6228	53	NA	3600	8000	8800
6232	70	NA	3000	6600	8800
_034	55	NA	5000	5000	8800
_038	70	NA	3000	5000	8800
_044	96	NA	3000	4400	6600

Horizontal motors, sleeve bearings

As standard, the axial float of the rotor is ± 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.

Sleeve bearings are generally self-cooled, oil ring lubricated but some require forced lubrication. Please see the lubrication table for next page 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.

Bearings

Sleeve bearings and lubrication methods

Frame size	Poles	D-end bearing	N-end bearing	Lubrication method
NXR 355	2	EFNLB 9-80	EFNLQ 9-80	Self lubrication
NXR 355	≥4	EFNLB 9-90	EFNLQ 9-90	Self lubrication
NXR 400	2 (50 Hz)	EFNLB 9-80	EFNLQ 9-80	Self lubrication
NXR 400	2 (60 Hz)	EMNLB 9s-80	EMNLB 9s-80	Self lubrication
NXR 400	≥4	EFNLB 9-100	EFNLQ 9-100	Self lubrication
NXR 450	2	EMNLB 9s-80	EMNLB 9s-80	Self lubrication
NXR 450	4	EMNLB 9s-90	EMNLB 9s-90	Self lubrication
NXR 450	≥6	EMNLB 9s-100	EMNLB 9s-100	Self lubrication
NXR 500	2	EMZLB 9s-90	EMZLB 9s-90	Forced lubrication
NXR 500	≥4	EFNLB 14-125	EFNLB 11-125	Self lubrication
NMI 400	2	MNLB 9s-80	MNLB 9s-80	Self lubrication
NMI 450	2	MNLB 9s-80	MNLB 9s-80	Self lubrication
NMI 500	2	FZLB 9-100	FZLQ 9-100	Forced lubrication
NMI 500	≥4	FNLB 11-125	FNLQ 11-125	Self lubrication
NMI 560	2	MZLB 11-125	MZLB 11-125	Forced lubrication
NMI 560	4	FNLB 18-160	FNLQ 18-160	Self lubrication
NMI 560	≥6	FNLB 14-160	FNLQ 14-160	Self lubrication
NMI 630	2	MZLB 14-160	MZLB 14-160	Forced lubrication
NMI 630	4	FNLB 18-160	FNLQ 18-160	Self lubrication
NMI 630	≥6	FNLB 18-200	FNLQ 18-200	Self lubrication

Vertical motors, ball bearing construction

Standard vertical motors use deep groove ball bearings at the D-end and angular contact ball bearings at the N-end. The bearing at the D-end is axially free and preloaded by springs. The angular contact ball bearing at the N-end is the locating bearing and carries the weight of the rotor. The bearing construction is shown in the figures on page 16.

Additional axial force from the driven equipment is not allowed for vertical motors with a standard ball bearing arrangement.

The rated bearing lifetimes for vertical motors are calculated according to the heaviest rotor and the weakest bearing in the motor.

For standard vertical motors, the lubrication intervals are half of the corresponding horizontal motors. The amount of grease and greasing interval are stamped on the lubrication plate.

Vertical motors, thrust bearing construction

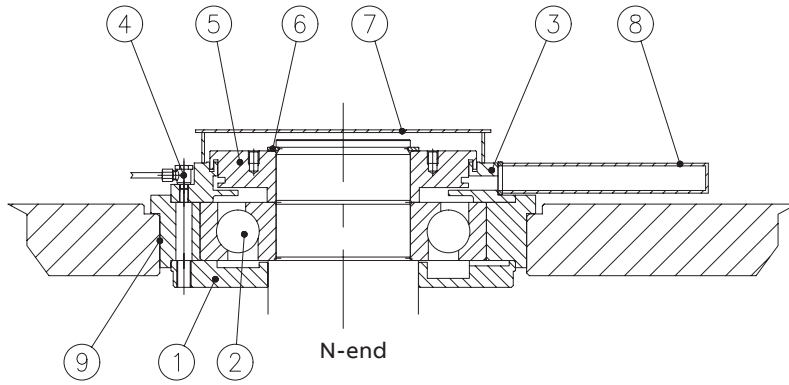
Vertical motors with thrust bearings are designed for applications where the motor has to take the thrust force from the driven equipment.

The permissible axial downward force depends on the specific bearing type, rotation speed, rotor weight, ambient temperature, lubrication method, etc. To enable ABB to select the appropriate bearing construction, contact us with information about the amount of thrust force and its direction, the expected bearing lifetime, and site temperature conditions and altitude.

Bearings

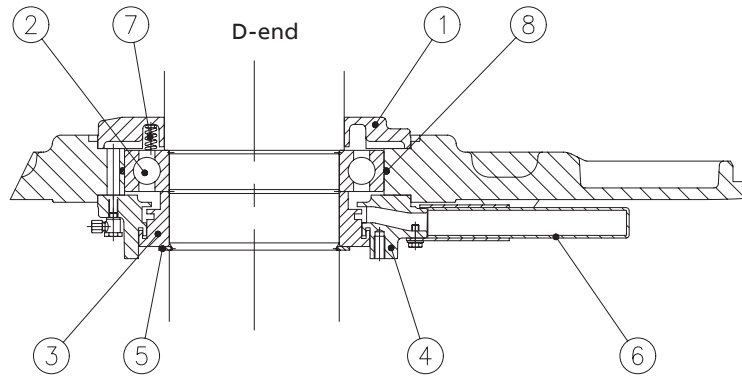
Standard bearing construction for vertical mounted motors

-
- 10
- 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 pate
- 8 Waste grease box
- 9 Insulation



—
10

-
- 11
- 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



—
11

Vibration

Standard design

The standard design machines that are manufactured based on the IEC-standard satisfy the Grade A bearing housing vibration, relative shaft vibration and combined runout limits found in IEC 60034-14. The maximum accepted values are shown in the table below.

Standard design unfiltered vibration limits for IEC machines

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
		2.8 mm/s rms ^{*)}		
≥ 4	600 ≤ n ≤ 1800	2.3 mm/s rms	90 μm p-p	23 μm p-p
	n < 600	37 μm rms		

^{*)} This level is the limit when twice line frequency vibration level is dominant. A twice line frequency component is considered dominant when type test demonstrate it to be greater than 70 % of 2.3 mm/s (rms).

Machines based on NEMA

The standard machines that are manufactured based on the NEMA-standard satisfy the Grade A bearing housing vibration, relative shaft vibration and combined runout limits found in NEMA MG 1. The maximum accepted values are shown in the table below. For bearing housing vibrations, limits given in vibration velocity peak (in/s peak) apply for rotational speeds between 1200 – 3600 rpm. For rotational speeds below 1200 rpm, limits given in vibration displacement (mils p-p) apply.

Unfiltered vibration limits for NEMA standard design machines

Poles	Speed [rpm]	Bearing housing vibration	Relative shaft vibration	Combined runout
2	1800 < n ≤ 3600	0.12 in/s peak (3.0 mm/s peak)	2.6 mils p-p (66.0 μm p-p)	0.65 mils p-p (16.5 μm p-p)
4, 6	1200 ≤ n ≤ 1800	0.12 in/s peak (3.0 mm/s peak)	3.5 mils p-p (88.9 μm p-p)	0.88 mils p-p (22.3 μm p-p)
≥ 8	n < 1200	1.9 mils p-p (48.2 μm p-p)	3.5 mils p-p (88.9 μm p-p)	0.88 mils p-p (22.3 μm p-p)

Rib cooled motors, type NXR

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 130 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.

NXR 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.

NXR motors cover the output range up to 1,800 kW, and they are available in shaft heights from 315 to 500 mm. The complete range is designed for fixed speed drive applications with DOL power supply, and is available for VFD cases fed by frequency converters. The motors can be mounted horizontally (vertical mounting available for 2 poles up to shaft height 355). For NXR motors this catalog shows the technical data at 50 Hz and 60 Hz, and for synchronous speed from 500 to 3600 rpm.

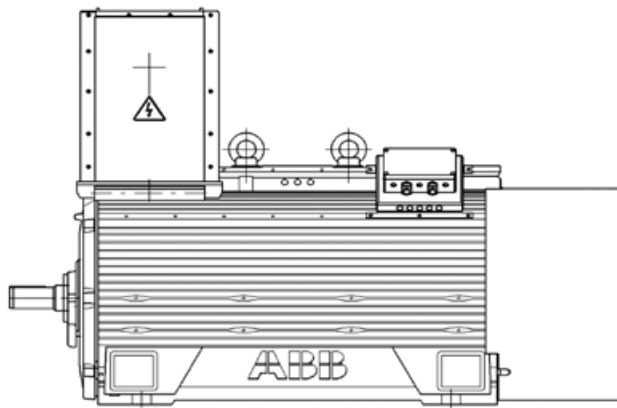


Rib cooled motors, type NXR

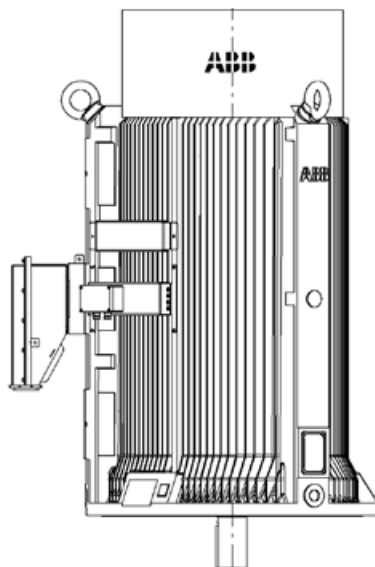
Mounting arrangements

Standard mounting arrangements for NXR motors

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



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



Rib cooled motors, type NXR

Enclosure and cooling

Standard combinations

IC411 / IP55

NXR 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 14 below.

IC416 / IP55

NXR 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

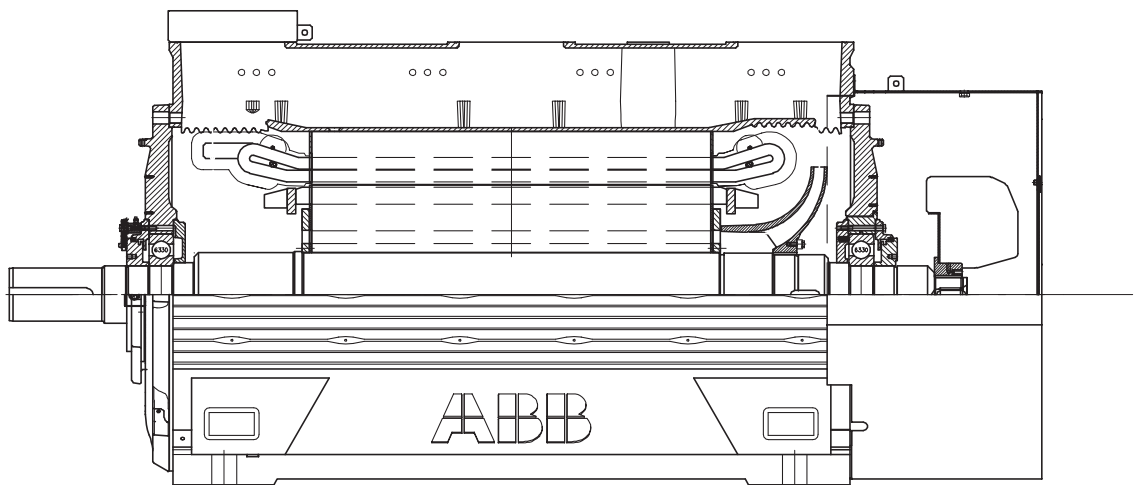
- Protection against dust: as in other dust-protected motors, some dust can enter but not in sufficient quantities to interfere with the motor's operation.
- Protection against water jets: water projected by a nozzle against the motor from any direction has no harmful effect.

Protection rating IP66

NXR 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.

14 Sectional drawing of IC411 / IP55 motor



Rib cooled motors, type NXR

Technical data

The technical data on pages 22 to 38 covers NXR motors with 2 to 6 poles.
Versions with 8, 10 and 12 poles are also available.

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
3000/r min = 2 poles																
690 V 50 Hz																
250	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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 NXR

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_S I_N [pu]	I_0 [A]	T_N [Nm]	T_S T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1500/r min = 4 poles																
690 V 50 Hz																
280	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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 NXR

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_S I_N [pu]	I_0 [A]	T_N [Nm]	T_S T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]	
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %										
1000/r min = 6 poles				690 V 50 Hz													
250	NXR 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	NXR 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	NXR 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	NXR 355MH6	350162	988	95.6	95.6	0.79	0.73	446	5.6	212	3867	1.1	2.3	7.2	2600	74	
450	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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 NXR

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
3000/r min = 2 poles																
3000 V 50 Hz																
125	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 500MR2	500321	2987	97.3	97.2	0.92	0.92	332	5.9	53	4955	0.6	2.1	39.2	7690	81

Rib cooled motors, type NXR

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1500/r min = 4 poles																
3000 V 50 Hz																
125	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 500MR4	500341	1495	97.2	97.1	0.88	0.86	393	6.2	114	11182	0.6	2.2	63.0	7730	81

Rib cooled motors, type NXR

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1000/r min = 6 poles																
3000 V 50 Hz																
125	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 500MS6	500361	996	97.2	97.2	0.85	0.82	365	6.1	127	15053	0.7	2.2	92.7	7950	77

Rib cooled motors, type NXR

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
3000/r min = 2 poles																
6000 V 50 Hz																
160	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 500MR2	500621	2988	97.2	97.1	0.92	0.92	161	6.0	27	4795	0.6	2.1	38.8	7580	81

Rib cooled motors, type NXR

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1500/r min = 4 poles																
6000 V 50 Hz																
160	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 500MR4	500641	1495	97.2	97.0	0.88	0.85	192	6.3	59	10861	0.6	2.3	62.4	7640	81

Rib cooled motors, type NXR

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1000/r min = 6 poles																
6000 V 50 Hz																
140	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 500MS6	500661	996	97.1	97.1	0.84	0.81	176	6.0	64	14379	0.7	2.2	91.9	7870	77

Rib cooled motors, type NXR

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
3000/r min = 2 poles																
10000 V 50 Hz																
355	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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 50Hz																
355	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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 NXR

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1000/r min = 6 poles				10000 V 50 Hz												
250	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 500MQ8	501081	746	95.9	95.6	0.79	0.73	69	5.8	33	11518	0.7	2.3	59.1	7240	78

Rib cooled motors, type NXR

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
3600/r min = 2 poles																
4160 V 60 Hz																
160	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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 NXR

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1800/r min = 4 poles																
4160 V 60 Hz																
160	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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 NXR

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1200/r min = 6 poles																
4160 V 60 Hz																
125	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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 NXR

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
3600/r min = 2 poles																
6600 V 60 Hz																
160	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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 NXR

Technical data

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

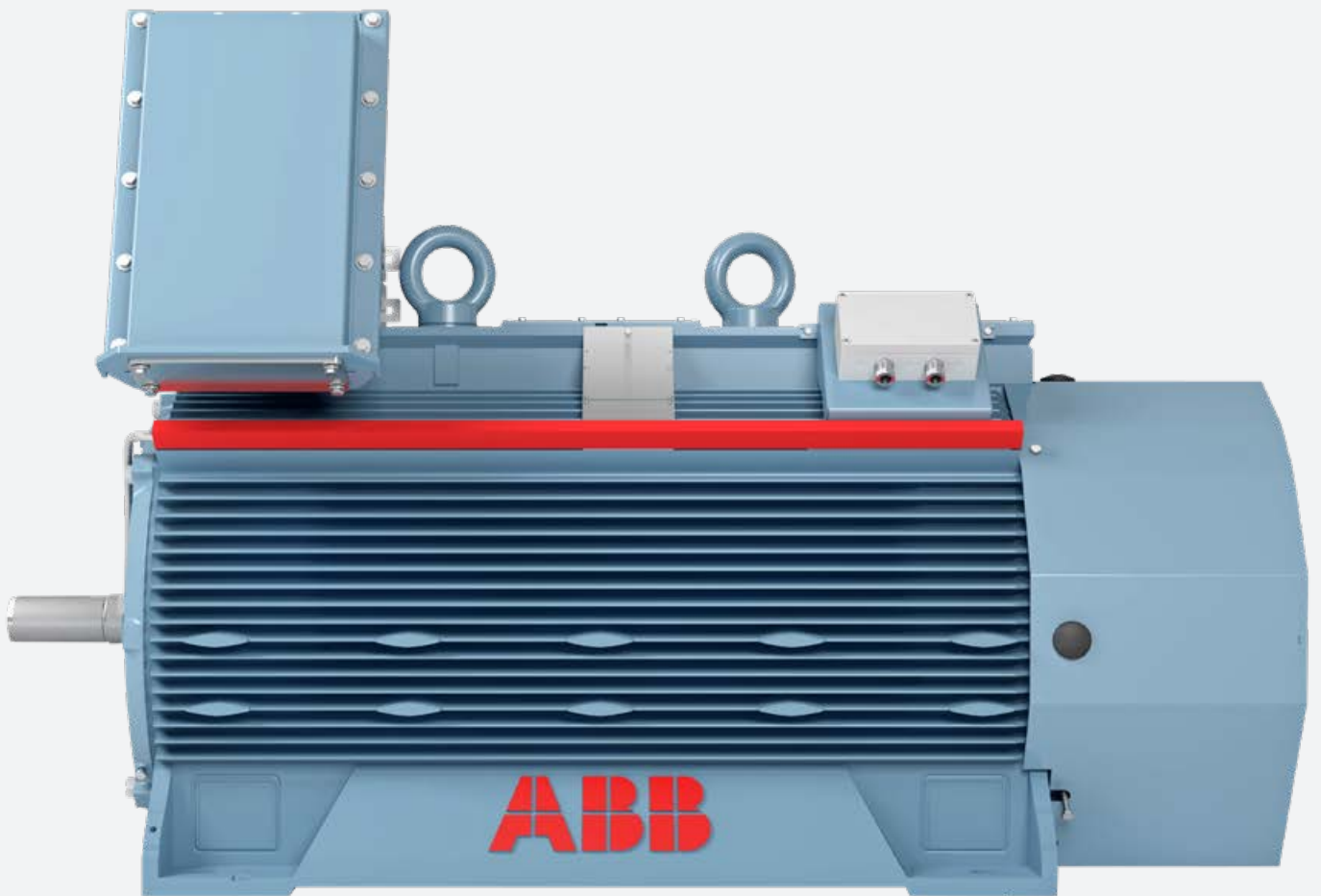
Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1800/r min = 4 poles																
6600 V 60 Hz																
160	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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 NXR

Technical data

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

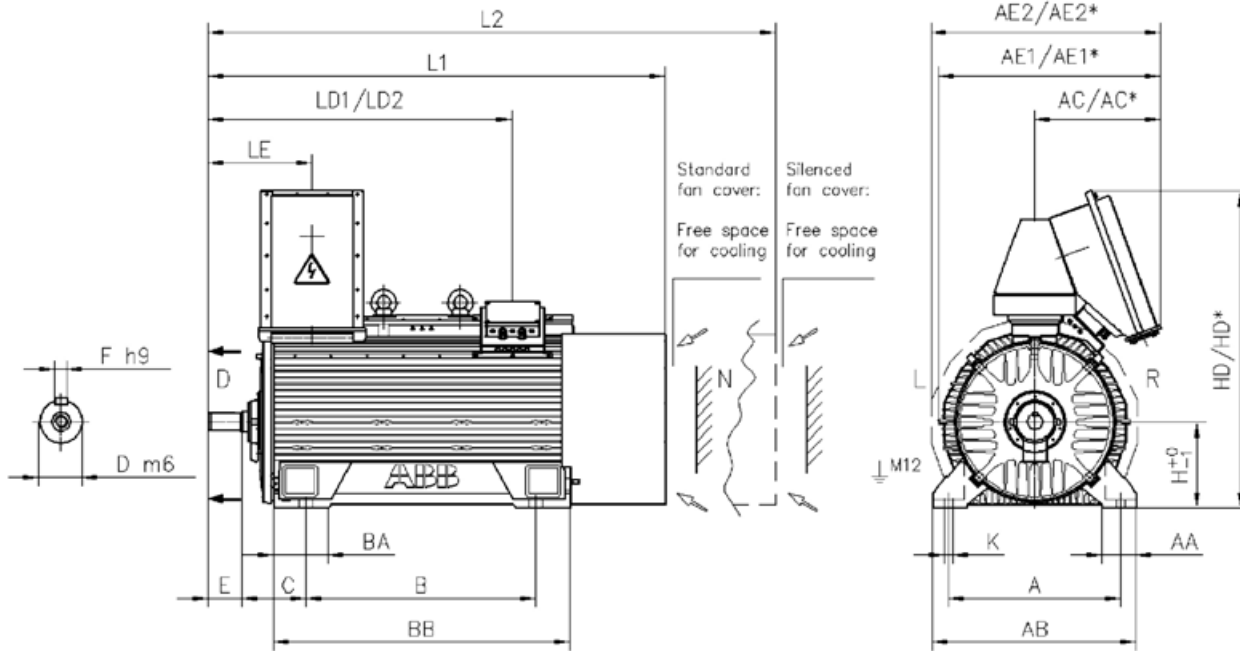
Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1200/r min = 6 poles																
6600 V 60 Hz																
160	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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	NXR 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 NXR

Dimension drawings

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



NXR	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	≥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	≥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	≥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	≥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	≥4	1120	1500	315	140	250	36	500	42	200	1250	266	1780	2720	3325	1985	1535	590

NXR	Poles	AC	AC*)	AE1	AE1*)	AE2	AE2*)	HD	HD*)
315M	2	525	NA	910	NA	940	NA	1260	NA
315M	≥4	525	NA	910	NA	940	NA	1260	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	NA	NA	NA	NA	NA	NA	NA	NA
500M	≥4	525	685	1085	1245	1115	1275	1680	1870

*) Dimension for 6.6 kV < UN ≤ 11 kV

1) Standard fan cover

2) Silenced fan cover

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

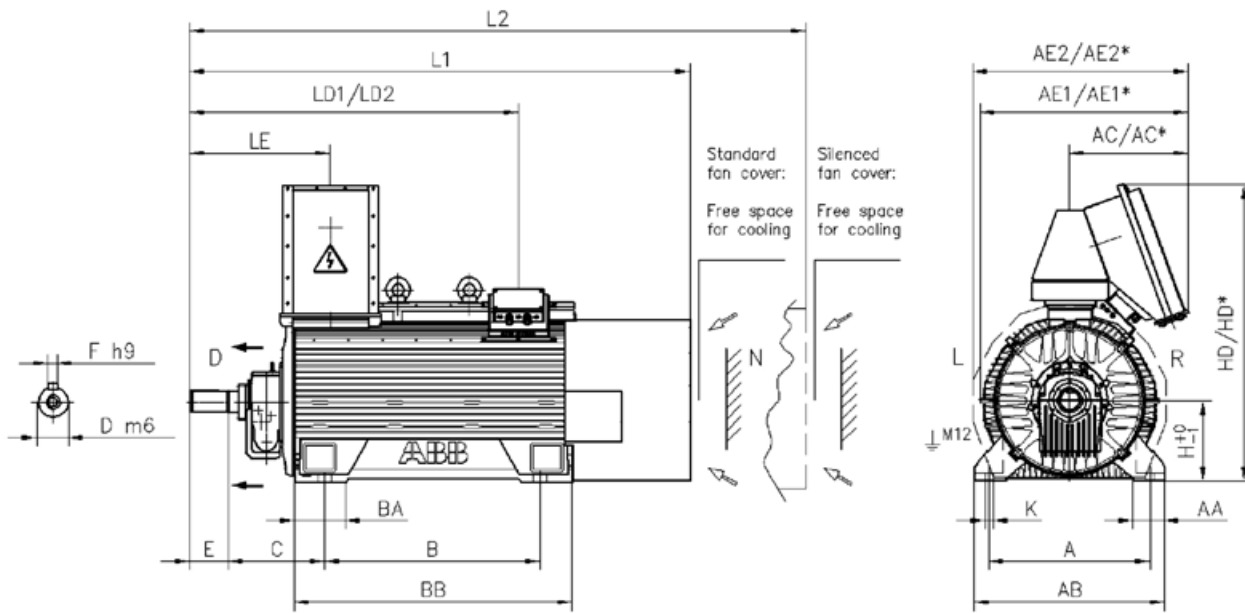
Note: 500 only available with ≥ 4p

Table gives main dimensions in mm.

Rib cooled motors, type NXR

Dimension drawings

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



NXR	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

NXR	Poles	AC	AC ^{*)}	AE1	AE1 ^{*)}	AE2	AE2 ^{*)}	HD	HD ^{*)}
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

*) Dimension for 6.6 kV < UN ≤ 11 kV

1) Standard fan cover

2) Silenced fan cover

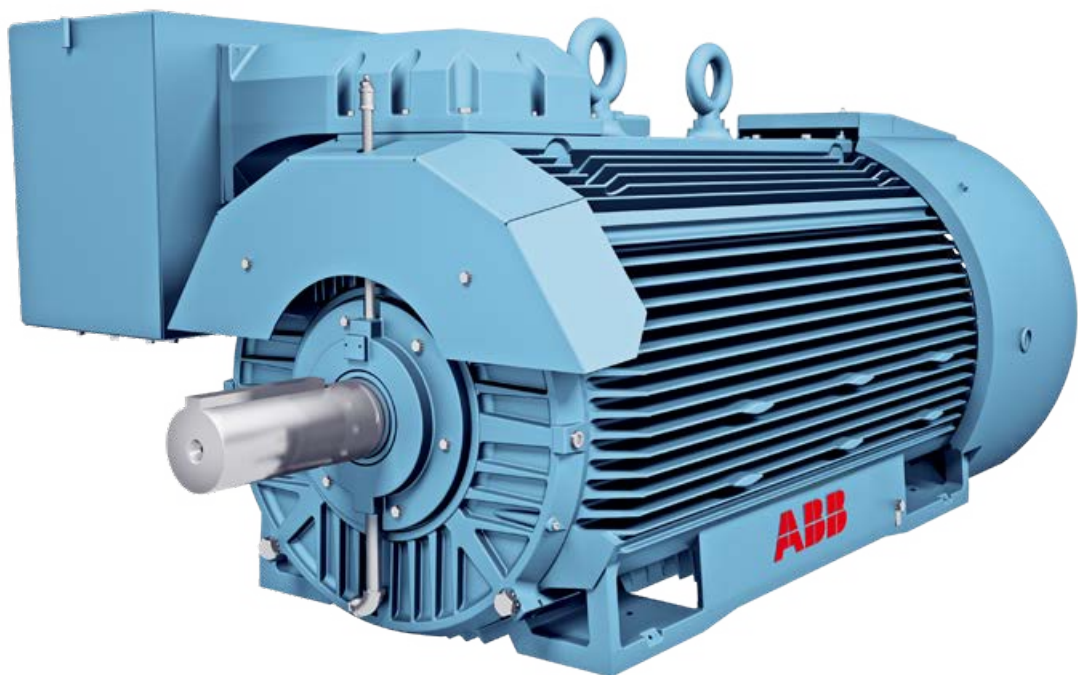
Note: Shaft height 315 not available

Table gives main dimensions in mm.

General purpose above NEMA motors, type NXR

Available from stock

General purpose above NEMA motors fit most applications where a highly customized motor is not needed. Totally enclosed fan cooled motors, type NXR, are available from stock or with short lead times.



Motor modifications to fit application requirements

Supplied direct from the factory in Kings Mountain, North Carolina, NXR motors have 39 modifications available to allow them to meet specific application requirements. The modifications range from bearing type change-outs to upgrading to IP55 ingress protection. These modifications allow you to tailor N-series motors to fit your applications without having to order a highly custom engineered motor.

By using a variable speed drive, you can optimize the motor's performance, minimize energy consumption and control your process more accurately. With increasing use of VSDs, it is always an advantage to have a motor that is capable of being adapted for VSD use later. This provides additional flexibility to configure your processes in the future.

General purpose above NEMA motors, type NXR

Key features and benefits

- High efficiency for energy savings
- 3.5 PU surge capability
- Suitable for use on a VSD 2:1 CT / 10:1 VT (most ratings)
- CSA approved
- Class I Division 2 Group C and D approved
- Cast iron frame and end brackets
- Space heaters
- 100 Ohm platinum winding RTDs
- Class F insulation
- Insulated ODE bearing
- F1 terminal box mounting
- Provisions for bearing RTDs
- “LR” shafts have roller bearings and are belted duty
- “L” shafts have ball bearings and are convertible toroller bearings
- “S” shafts have ball bearing for coupled duty
- The paint is a specially formulated modified epoxycoating with UV protection
- Performance data, drawings and other informationis readily available
- In-stock or short lead times

Main specifications

Rated horsepower	250 Hp to 1000 Hp
Frame sizes	5008 to 5810
Number of poles	2 to 8 pole
Voltages	460, 2300/4000
Frequency	60 Hz (50 Hz re-ratable)
Service factor	DOL: 1.15, VSD: 1.00
Insulation class	F
Cooling	Fan cooled
Protection	IP54
Enclosure	Totally enclosed fan cooled (TEFC)
Mounting	Horizontal
Bearings	Ball and roller (convertible)
Standards	Above NEMA



General purpose above NEMA motor, type NXR

Technical data

General purpose above NEMA motor, type NXR, three phase, totally enclosed, foot mounted
460 V, 60 Hz

Hp	RPM	NEMA frame	Encl.	Mult. sym.	C dim.	Aprx. weight (lb.)	Full load efficiency	Voltage	Full load amps	Notes
460 V										
250	1200	5008	TEFC	LG	63.48	4600	95.8	460	293	1,5
	900	5010	TEFC	LG	70.48	5400	95.1	460	335	1,5
300	1200	5010	TEFC	LG	70.48	5115	95.8	460	357	1,5
	900	5012	TEFC	LG	78.48	5925	95.2	460	428	1,5
350	1200	5010	TEFC	LG	70.48	5265	95.8	460	409	1,5
	900	5012	TEFC	LG	78.48	6000	95.0	460	496	1,5
400	1200	5010	TEFC	LG	70.48	5415	95.8	460	478	1,5
	900	5012	TEFC	LG	78.48	6250	95.2	460	578	1,5
450	3600	5010	TEFC	LG	83.57	4932	95.8	460	521	1
	1800	5010	TEFC	LG	70.48	5543	96.3	460	527	1
	1200	5012	TEFC	LG	78.48	6065	95.8	460	528	1,5
	900	5012	TEFC	LG	78.48	6500	95.0	460	627	1,5
500	3600	5010	TEFC	LG	83.57	5088	95.8	460	566	1
	1800	5010	TEFC	LG	70.48	5675	95.9	460	588	1
	1200	5012	TEFC	LG	78.48	6215	95.8	460	588	1,5
	900	5012	TEFC	LG	78.48	6600	95.0	460	672	1,5,7
600	3600	5010	TEFC	LG	83.57	5400	95.8	460	691	1
	1800	5012	TEFC	LG	78.48	6007	95.4	460	752	1
	1200	5012	TEFC	LG	78.48	6365	95.4	460	714	1,5
	900	5810	TEFC	LG	89.55	7600	96.0	460	743	1
700	3600	5010	TEFC	LG	83.57	5800	95.8	460	767	1
	1800	5012	TEFC	LG	78.48	6072	95.4	460	874	1
	1200	5012	TEFC	LG	78.48	6365	95.8	460	835	1,5,7
	900	5810	TEFC	LG	89.55	7850	95.9	460	873	1
800	3600	5810	TEFC	LG	100.32	7100	96.3	460	839	1
	1800	5012	TEFC	LG	78.48	6420	95.4	460	1014	1
	1200	5810	TEFC	LG	89.55	7280	96.2	460	907	1
	3600	5810	TEFC	LG	100.32	7900	96.5	460	939	1
900	1800	5012	TEFC	LG	95.57	6250	95.8	460	1050	1,7
	1200	5810	TEFC	LG	89.55	7600	96.2	460	907	1
1000	1800	5810	TEFC	LG	107.01	7250	96.6	460	1042	1
	1200	5810	TEFC	LG	89.55	8500	96.3	460	1155	1,7

Notes:

- 1 Class F insulated motor with 1.15 service factor or higher that operates within Class "B" temperature limits at rated horsepower.
- 5 Belted duty only, roller bearing.
- 7 Copper bar rotor.

General purpose above NEMA motor, type NXR

Technical data

General purpose above NEMA motor, type NXR, three phase, totally enclosed, foot mounted
2300/4000 V, 60 Hz

Hp	RPM	NEMA frame	Encl.	Mult. sym.	C dim.	Aprx. weight (lb.)	Full load efficiency	Voltage	Full load amps	Notes
2300/4000 V										
250	1200	5008	TEFC	LG	63.48	5070	94.5	2300/4000	61/31.5	1,5
	900	5010	TEFC	LG	70.48	5420	94.5	2300/4000	65.4/37.6	1,5
300	1200	5010	TEFC	LG	70.48	5250	95.0	2300/4000	71.7/41.2	1,5
	900	5012	TEFC	LG	78.48	5985	94.5	2300/4000	78.1/44.9	1,5
350	3600	5010	TEFC	LG	83.57	4812	94.5	2300/4000	80.9/46.5	1
	1800	5008	TEFC	LG	63.48	4940	94.7	2300/4000	83.7/48.1	1
	1200	5010	TEFC	LG	70.48	5400	95	2300/4000	83.7/48.1	1,5
	900	5012	TEFC	LG	78.48	6250	94.5	2300/4000	92.7/53.3	1,5
400	3600	5010	TEFC	LG	83.57	4959	95	2300/4000	92.6/53.2	1
	1800	5010	TEFC	LG	70.48	5400	95	2300/4000	96.3/55.4	1
	1200	5012	TEFC	LG	78.48	6050	95	2300/4000	95.7/55.0	1,5
	900	5012	TEFC	LG	78.48	6460	94.5	2300/4000	103/59	1,5
450	3600	5010	TEFC	LG	83.57	5106	95	2300/4000	103/59	1
	1800	5010	TEFC	LG	70.48	5523	94.9	2300/4000	108/62.1	1
	1200	5012	TEFC	LG	78.48	6200	95	2300/4000	107/61.5	1,5
	900	5012	TEFC	LG	78.48	6530	94.8	2300/4000	116.8/67.3	1,5
500	3600	5010	TEFC	LG	83.57	5253	95	2300/4000	113/64.8	1
	1800	5012	TEFC	LG	78.48	5655	95.4	2300/4000	119/68.5	1
	1200	5012	TEFC	LG	78.48	6350	95	2300/4000	118/68	1,5
	900	5012	TEFC	LG	78.48	6600	95	2300/4000	125/72	1,5,7
600	3600	5010	TEFC	LG	83.57	5400	95.4	2300/4000	138/79.2	1
	1800	5012	TEFC	LG	78.48	5787	95	2300/4000	145/83.3	1
	1200	5012	TEFC	LG	78.48	6450	95	2300/4000	141/81.1	1,5,7
	900	5810	TEFC	LG	89.55	7600	95.1	2300/4000	87	1
700	3600	5810	TEFC	LG	100.32	7100	95.9	2300/4000	86	1
	1800	5012	TEFC	LG	78.48	6052	95.4	2300/4000	168/96.5	1
	1200	5810	TEFC	LG	89.55	7700	95.5	2300/4000	94	1
	900	5810	TEFC	LG	89.55	8600	95.4	2300/4000	108	1,7
800	3600	5810	TEFC	LG	100.32	7500	96.0	2300/4000	98	1
	1800	5012	TEFC	LG	78.48	6400	95.4	2300/4000	185/107	1,7
	1200	5810	TEFC	LG	89.55	8500	95.7	2300/4000	107	1,7
900	3600	5810	TEFC	LG	100.32	7900	96.2	2300/4000	109	1
	1800	5810	TEFC	LG	107.01	7135	95.8	2300/4000	115	1
1000	1800	5810	TEFC	LG	107.01	7500	96.0	2300/4000	127	1

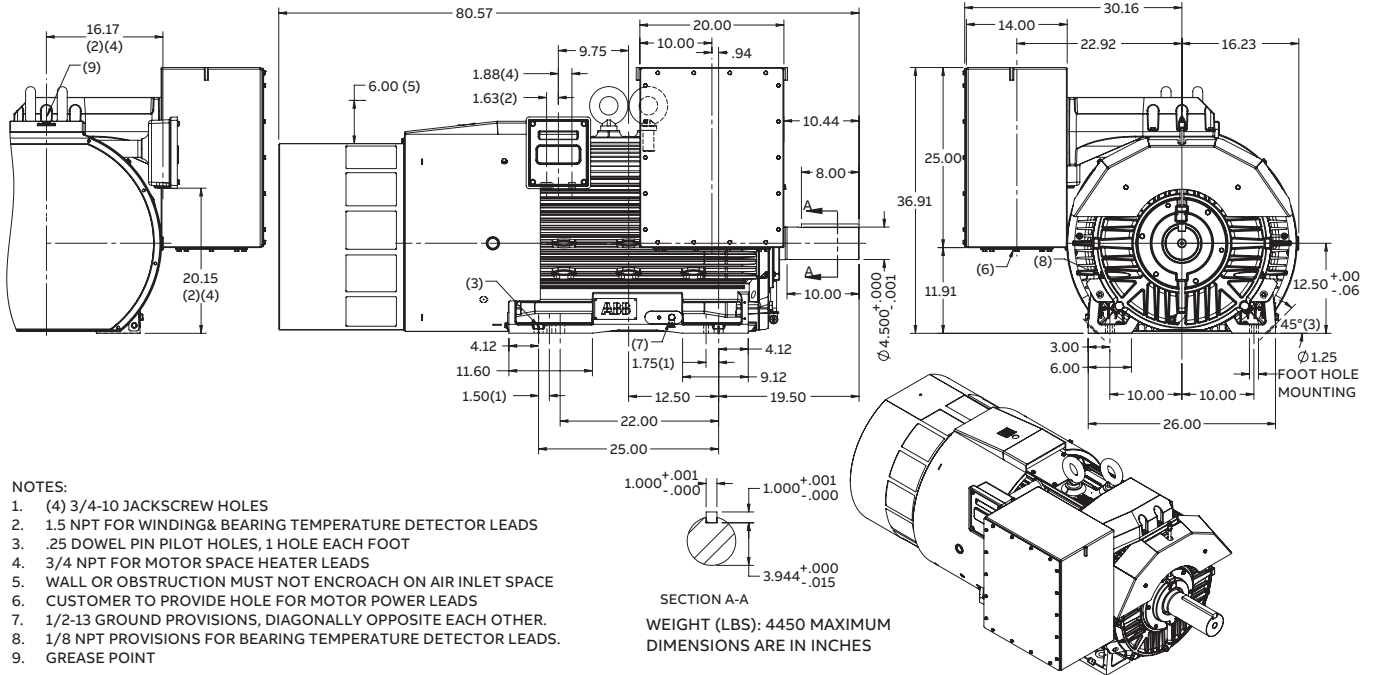
Notes:

- 1 Class F insulated motor with 1.15 service factor or higher that operates within Class "B" temperature limits at rated horsepower.
- 5 Belted duty only, roller bearing.
- 7 Copper bar rotor.

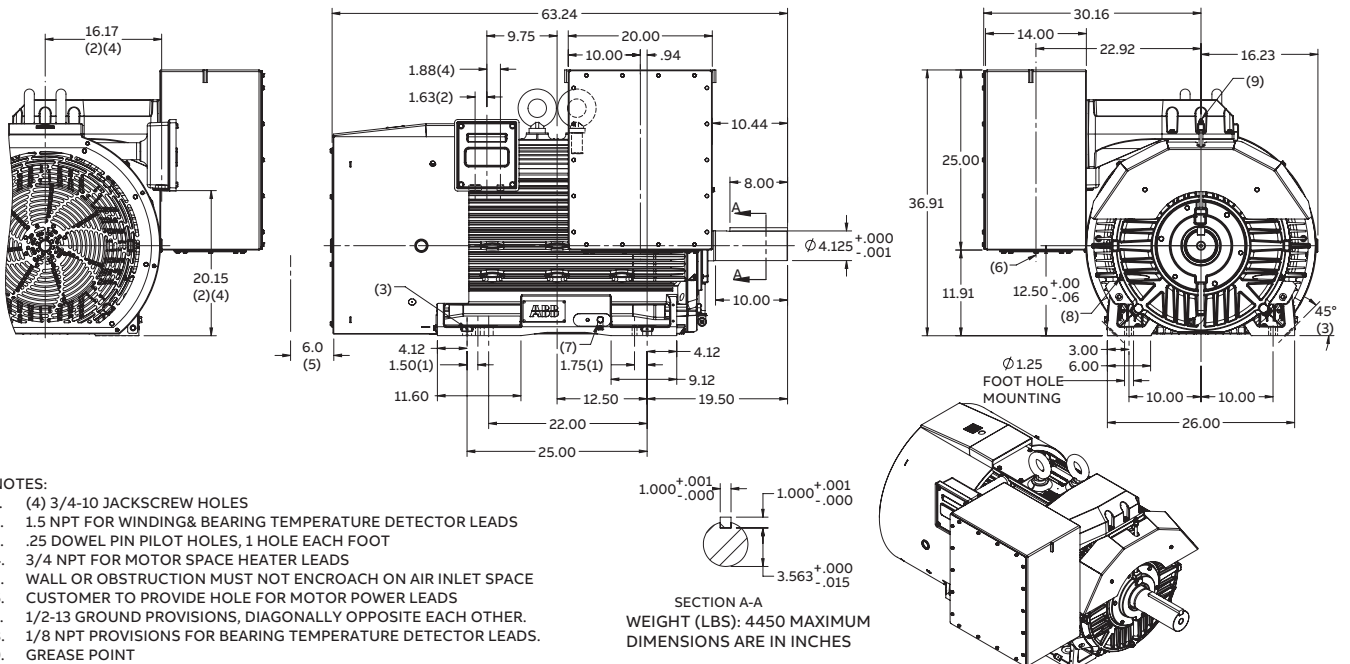
General purpose above NEMA motors, type NXR

Dimension drawings

Squirrel-cage induction motors, 1200 rpm, frame NXR5008L/LR



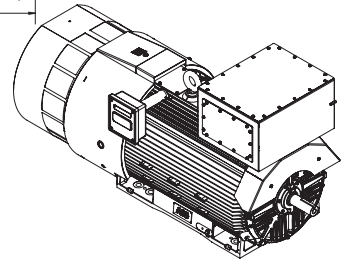
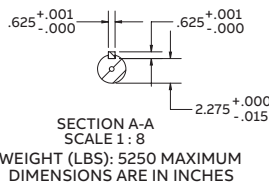
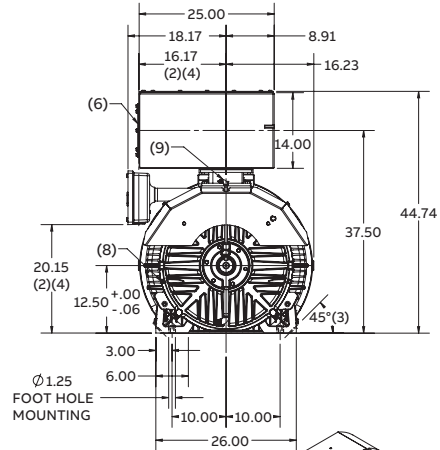
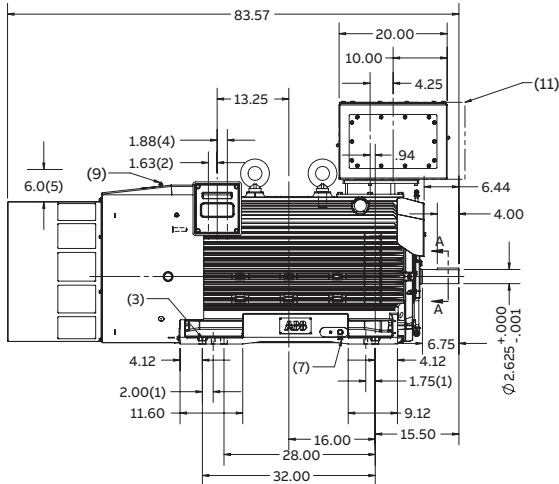
Squirrel-cage induction motors, 1800 rpm, frame NXR5008L/LR



General purpose above NEMA motors, type NXR

Dimension drawings

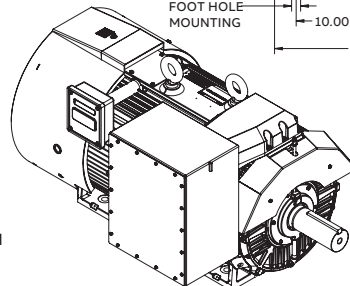
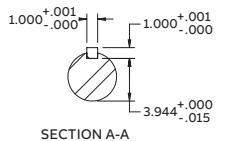
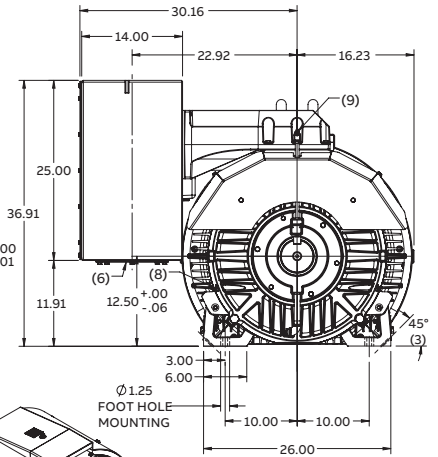
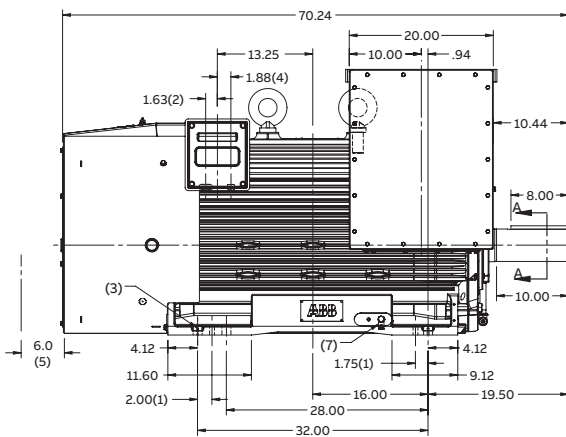
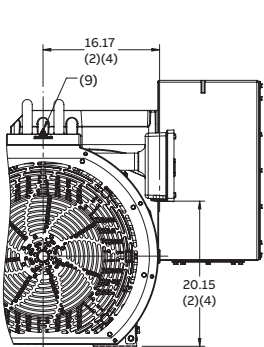
Squirrel-cage induction motors, 3600 rpm, frame NXR5010S



NOTES:

1. (4) 3/4-10 JACKSCREW HOLES
2. 1.5 NPT FOR WINDING TEMPERATURE DETECTOR LEADS
3. 11/32 DOWEL PIN PILOT HOLES, 1 HOLE EACH FOOT
4. 3/4 NPT FOR MOTOR SPACE HEATER LEADS
5. WALL OR OBSTRUCTION MUST NOT ENCROACH ON AIR INLET SPACE, TOP AND SIDES
6. CUSTOMER TO PROVIDE HOLE FOR MOTOR POWER LEADS
7. 1/2-13 GROUND PROVISIONS, DIAGONALLY OPPOSITE EACH OTHER.
8. 3/8 NPT PROVISIONS FOR BEARING TEMPERATURE DETECTOR LEADS.
9. GREASE POINT.
10. ROTATION CCW FROM OPPOSITE DRIVE END. MOD KIT REQUIRED FOR CW ROTATION
11. MAIN TERMINAL BOX MOUNTED FOR SHIPPING, ROTATION REQUIRED BY END USER

Squirrel-cage induction motors, 900 rpm, frame NXR5010L/LR



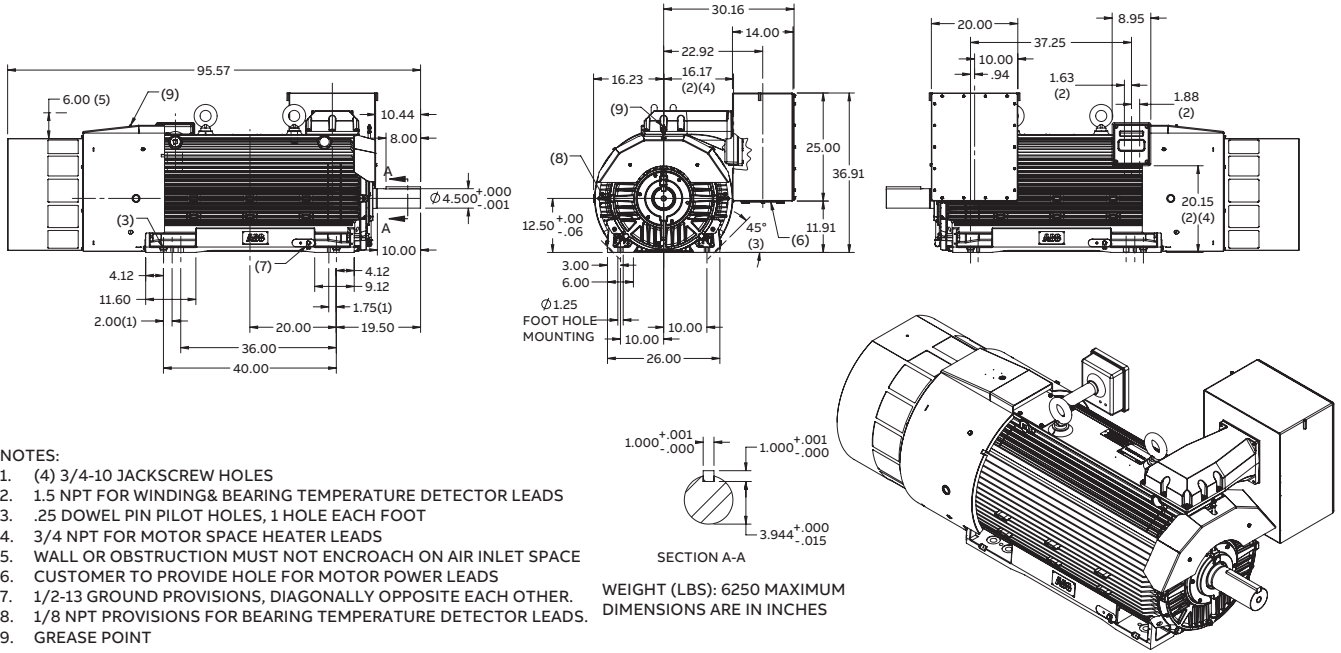
NOTES:

1. (4) 3/4-10 JACKSCREW HOLES
2. 1.5 NPT FOR WINDING & BEARING TEMPERATURE DETECTOR LEADS
3. .25 DOWEL PIN PILOT HOLES, 1 HOLE EACH FOOT
4. 3/4 NPT FOR MOTOR SPACE HEATER LEADS
5. WALL OR OBSTRUCTION MUST NOT ENCROACH ON AIR INLET SPACE
6. CUSTOMER TO PROVIDE HOLE FOR MOTOR POWER LEADS
7. 1/2-13 GROUND PROVISIONS, DIAGONALLY OPPOSITE EACH OTHER.
8. 3/8 NPT PROVISIONS FOR BEARING TEMPERATURE DETECTOR LEADS.
9. GREASE POINT

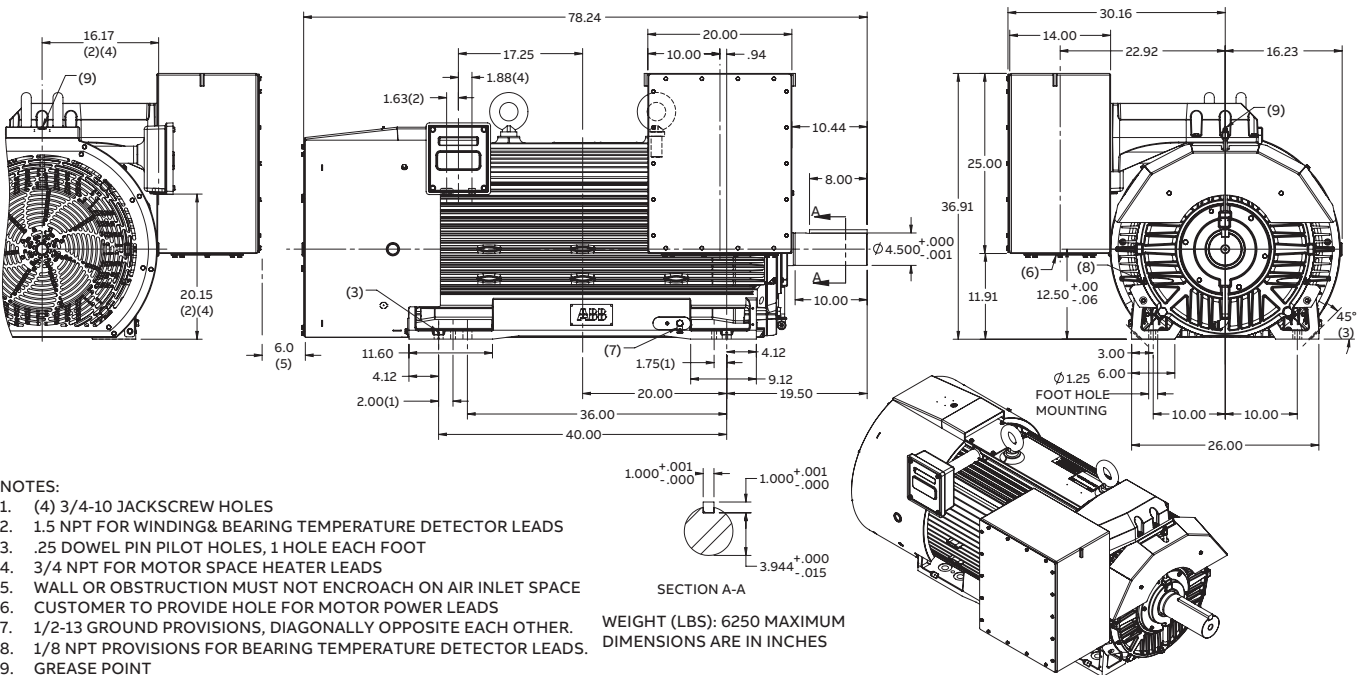
General purpose above NEMA motors, type NXR

Dimension drawings

Squirrel-cage induction motors, 900 rpm, frame NXR5012L/LR



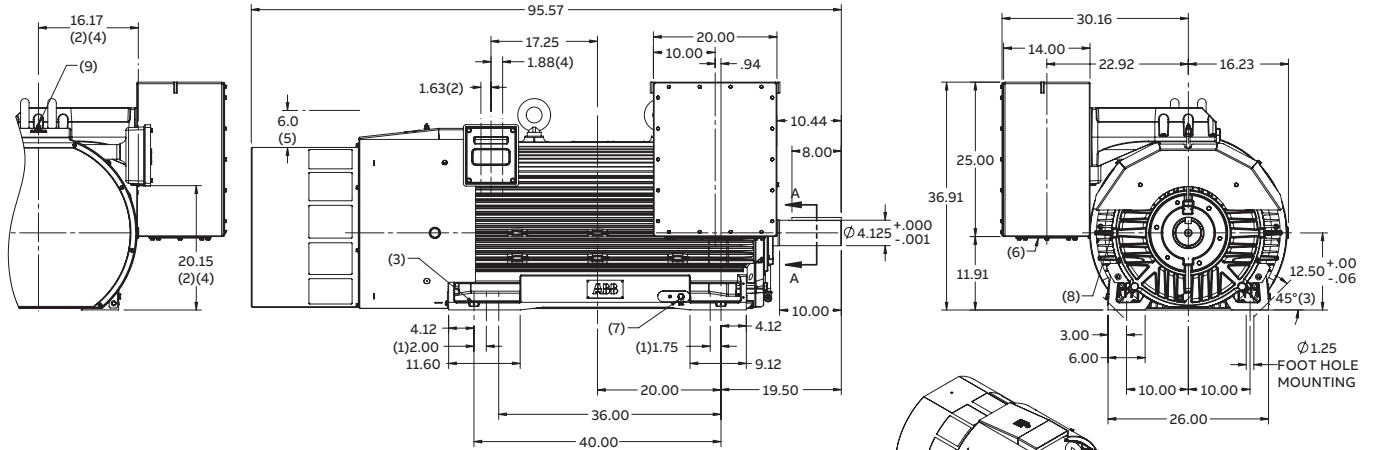
Squirrel-cage induction motors, 900 rpm, frame NXR5012L/LR



General purpose above NEMA motors, type NXR

Dimension drawings

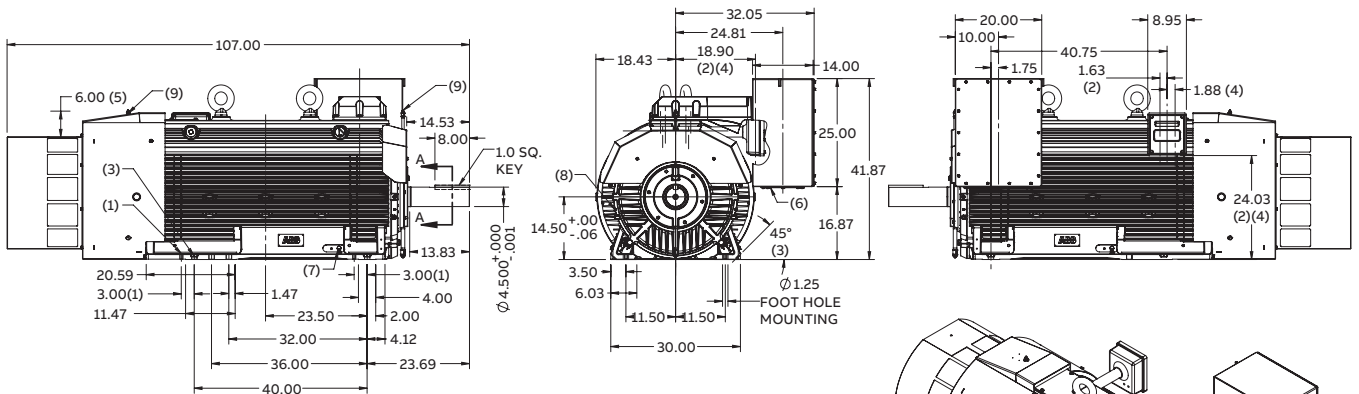
Squirrel-cage induction motors, 1800 rpm, frame NXR5012L



- NOTES:
- (4) 3/4-10 JACKSCREW HOLES
 - 1.5 NPT FOR WINDING & BEARING TEMPERATURE DETECTOR LEADS
 - .25 DOWEL PIN PILOT HOLES, 1 HOLE EACH FOOT
 - 3/4 NPT FOR MOTOR SPACE HEATER LEADS
 - WALL OR OBSTRUCTION MUST NOT ENCR OACH ON AIR INLET SPACE
 - CUSTOMER TO PROVIDE HOLE FOR MOTOR POWER LEADS
 - 1/2-13 GROUND PROVISIONS, DIAGONALLY OPPOSITE EACH OTHER.
 - 1/8 NPT PROVISIONS FOR BEARING TEMPERATURE DETECTOR LEADS.
 - GREASE POINT

SECTION A-A
 WEIGHT (LBS): 6250 MAXIMUM
 DIMENSIONS ARE IN INCHES

Squirrel-cage induction motors, 900 rpm, frame N5810L/LR



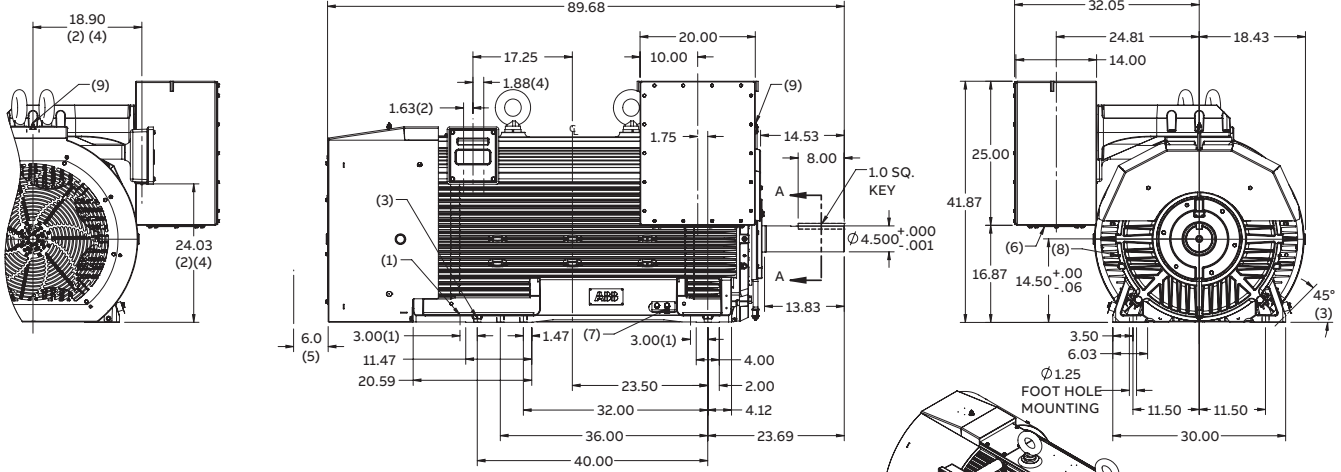
- NOTES:
- (4) 3/4-10 JACKSCREW HOLES
 - 1.5 NPT FOR WINDING & BEARING TEMPERATURE DETECTOR LEADS
 - .25 DOWEL PIN PILOT HOLES, 1 HOLE EACH FOOT
 - 3/4 NPT FOR MOTOR SPACE HEATER LEADS
 - WALL OR OBSTRUCTION MUST NOT ENCR OACH ON AIR INLET SPACE
 - CUSTOMER TO PROVIDE HOLE FOR MOTOR POWER LEADS
 - 1/2-13 GROUND PROVISIONS, DIAGONALLY OPPOSITE EACH OTHER.
 - 1/8 NPT PROVISIONS FOR BEARING TEMPERATURE DETECTOR LEADS.
 - GREASE POINT

SECTION A-A
 WEIGHT (LBS): 8600 MAXIMUM
 DIMENSIONS ARE IN INCHES

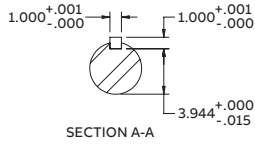
General purpose above NEMA motors, type NXR

Dimension drawings

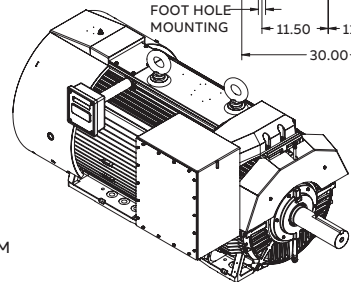
Squirrel-cage induction motors, 1200 rpm, frame N5810L/LR



- NOTES:
1. (4) 3/4-10 JACKSCREW HOLES
 2. 1.5 NPT FOR WINDING & BEARING TEMPERATURE DETECTOR LEADS
 3. .25 DOWEL PIN PILOT HOLES, 1 HOLE EACH FOOT
 4. 3/4 NPT FOR MOTOR SPACE HEATER LEADS
 5. WALL OR OBSTRUCTION MUST NOT ENCROACH ON AIR INLET SPACE
 6. CUSTOMER TO PROVIDE HOLE FOR MOTOR POWER LEADS
 7. 1/2-13 GROUND PROVISIONS, DIAGONALLY OPPOSITE EACH OTHER.
 8. 1/8 NPT PROVISIONS FOR BEARING TEMPERATURE DETECTOR LEADS.
 9. GREASE POINT



WEIGHT (LBS): 8500 MAXIMUM
DIMENSIONS ARE IN INCHES



Modular induction motors, type NMI

Easy to buy, integrate and use

NMI modular induction motors provide a cost-efficient solution for safe area applications. They are easy to integrate into the process due to their compact design, interface flexibility, and low noise.

NMI motors have a welded steel frame. They are rated from 160 to 8,000 kW, and are available in shaft heights from 355 to 630 mm.

The complete range is designed for fixed speed drive applications with DOL power supply, and is available for VFD cases fed by frequency converters.

The motors are available for horizontal or vertical mounting. Vertical mounting is specifically designed for vertical, condensate and circulating water pumps.

This catalog only shows the technical data at 50 Hz and fixed speed for synchronous speed from 1000 to 3000 rpm. For VFD cases and for more detailed technical data on NMI modular induction motors, please contact ABB.

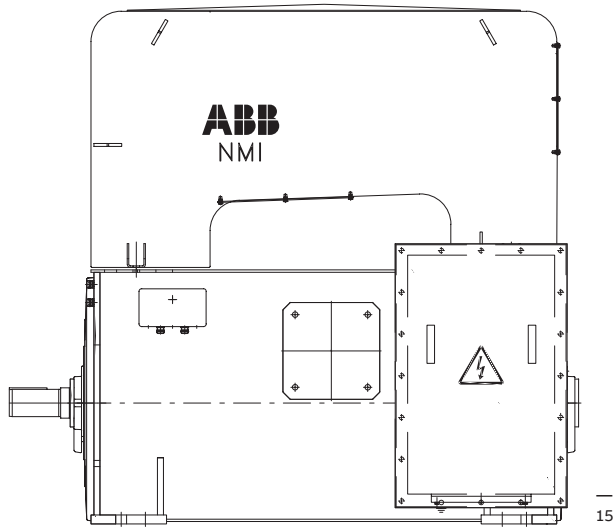


Modular induction motors, type NMI

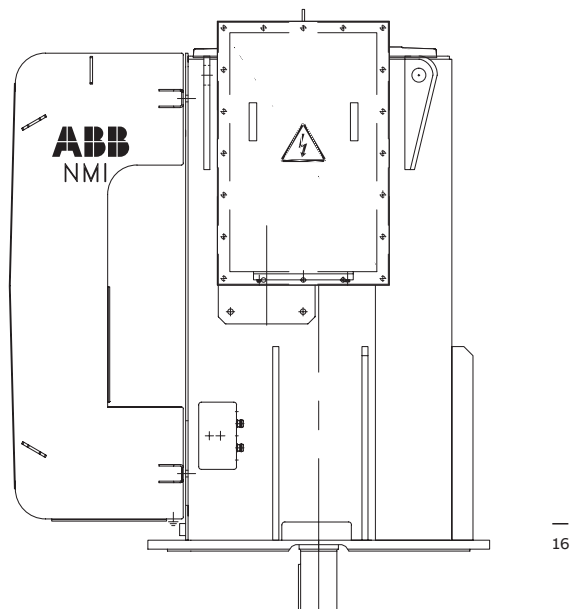
Mounting arrangements

Standard mounting arrangements for NMI motors

—
15
Code I: IM B3
Code II: IM 1001
Horizontal foot
mounted



—
16
Code I: IM V1
Code II: IM 4011
Vertical flange mounted
(free shaft end facing
downwards)



Modular induction motors, type NMI

Enclosure and cooling

—
17
IC01 / IP24
—
18
IC01 / IP24W
—
19
IC611 / IP55
—
20
IC81W / IP55

Standard combinations for NMI motors:

IC01 / IP24, NMI 355-500

The motor has a shaft mounted inside fan (if any) using the surrounding air for cooling. The motor is so designed that the ingress of rain, snow and airborne particles into the electrical parts is reduced. The motor is protected such that splashing water from any direction will have no harmful effect. The standard filter material is galvanized steel.

IC01 / IP24W, NMI 560-630

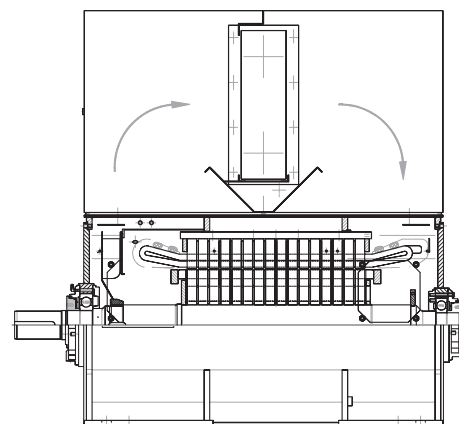
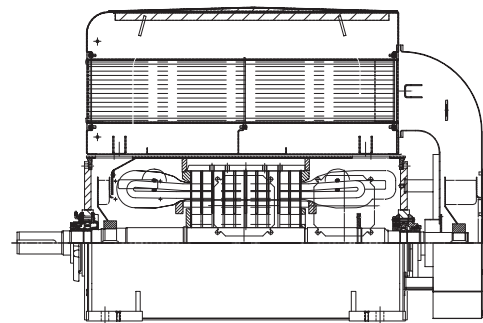
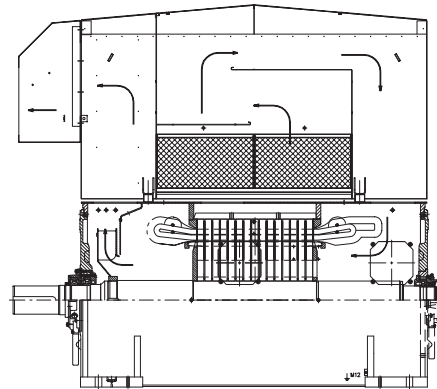
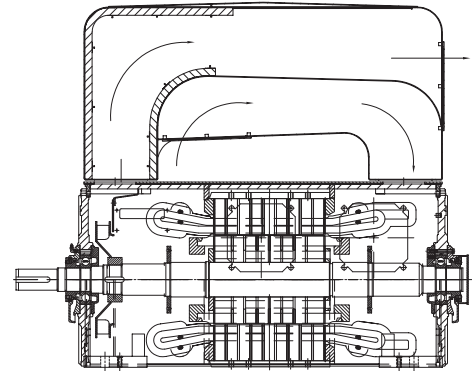
This weather protected motor has a shaft mounted cooling fan inside the housing. The design of the motor reduces the ingress of rain, snow and airborne particles into the electrical parts. In the air intake path this is achieved by ensuring that the average velocity does not exceed 3 m/s, allowing any 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.

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.

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.



Modular induction motors, type NMI

Technical data

The technical data on pages 56 to 79 covers NMI motors with 2 to 6 poles of cooling method IC611 and IC81W. Motors with 8 to 16 poles, cooling method IC01, or other voltage ratings are also available. You can get technical data by self-service in MachSize, or contact with ABB.

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s [pu]	I_0 [A]	T_N [Nm]	T_s [pu]	T_{max} [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
3000/r min = 2 poles																
690 V 50 Hz																
250	NMI 355L2A	1665	2975	94.0	93.6	0.91	0.90	244	5.9	56	803	0.6	2.8	4.8	2480	87
280	NMI 355L2A	1666	2971	94.1	93.9	0.91	0.90	273	5.3	56	900	0.5	2.5	4.8	2480	87
315	NMI 355L2A	1667	2967	94.1	94.1	0.91	0.91	307	4.7	56	1014	0.5	2.2	4.8	2480	87
355	NMI 355L2A	1668	2962	94.0	94.3	0.91	0.91	348	4.1	56	1144	0.4	2.0	4.8	2480	87
400	NMI 355L2A	1669	2974	94.8	94.7	0.90	0.88	393	5.8	100	1284	0.6	2.8	4.8	2480	87
450	NMI 355L2A	1670	2970	94.8	94.9	0.90	0.89	440	5.2	100	1447	0.5	2.5	4.8	2480	87
500	NMI 355L2A	1671	2967	94.8	95.0	0.90	0.89	491	4.6	100	1609	0.5	2.3	4.8	2480	87
560	NMI 355L2A	1672	2965	95.2	95.2	0.90	0.88	548	5.9	141	1804	0.7	2.9	5.3	2590	87
630	NMI 355L2A	1673	2960	95.1	95.3	0.90	0.89	615	5.3	141	2032	0.7	2.6	5.3	2590	87
710	NMI 355L2A	1674	2963	95.0	95.3	0.91	0.91	686	4.5	110	2289	0.5	2.1	5.6	2680	87
800	NMI 400L2A	2080	2973	95.3	95.3	0.91	0.90	775	5.2	161	2569	0.5	2.5	9.2	3140	87
900	NMI 400L2A	42	2971	95.3	95.5	0.91	0.90	872	4.6	161	2892	0.5	2.2	9.3	3150	87
1000	NMI 400L2A	43	2978	95.9	95.9	0.91	0.90	960	6.0	217	3207	0.6	2.8	10.7	3400	87
1120	NMI 400L2A	44	2975	95.9	96.0	0.91	0.90	1074	5.4	217	3595	0.6	2.5	10.7	3400	87
1250	NMI 400L2A	45	2975	95.7	95.9	0.91	0.91	1196	5.0	209	4013	0.5	2.3	11.5	3510	87
1400	NMI 450L2A	166	2981	96.2	96.1	0.91	0.90	1344	6.5	300	4485	0.7	3.1	16.5	4570	88
1600	NMI 450L2A	167	2978	96.2	96.2	0.91	0.90	1536	5.7	300	5131	0.6	2.7	16.5	4570	88
1800	NMI 450L2A	168	2976	96.1	96.2	0.91	0.91	1725	5.5	313	5775	0.6	2.6	17.4	4720	88
2000	NMI 500L2A	264	2983	96.3	96.2	0.93	0.92	1878	6.2	360	6403	0.5	3.0	26.6	5570	89
2240	NMI 500L2A	265	2982	96.4	96.3	0.90	0.89	2156	5.9	494	7172	0.4	2.9	28.5	5770	89
2500	NMI 500L2A	266	2980	96.4	96.4	0.92	0.91	2361	5.7	477	8010	0.5	2.8	28.6	5780	89
2800	NMI 500L2A	267	2979	96.3	96.3	0.92	0.92	2640	5.9	462	8976	0.6	2.8	34.0	6330	89

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1500 r/min = 4 poles																
690 V 50 Hz																
250	NMI 355L4A	1675	1481	94.5	94.4	0.88	0.85	252	6.3	84	1612	1.1	2.9	7.3	2470	81
280	NMI 355L4A	1676	1479	94.4	94.5	0.89	0.86	280	5.6	84	1808	0.9	2.6	7.3	2470	81
315	NMI 355L4A	1677	1481	94.7	94.7	0.87	0.83	320	6.4	114	2031	1.1	3.0	7.3	2470	81
355	NMI 355L4A	1678	1479	94.7	94.9	0.88	0.85	357	5.7	114	2293	1.0	2.6	7.3	2470	81
400	NMI 355L4A	1679	1481	94.9	95.0	0.85	0.81	413	6.2	159	2580	1.1	2.9	7.3	2480	81
450	NMI 355L4A	1680	1476	94.8	95.1	0.89	0.87	449	5.1	125	2912	0.9	2.3	7.9	2570	81
500	NMI 355L4A	1681	1480	95.2	95.4	0.87	0.84	504	6.3	174	3226	1.1	2.9	8.4	2660	81
560	NMI 355L4A	1682	1477	95.1	95.4	0.88	0.85	561	5.6	174	3620	1.0	2.6	8.4	2660	81
630	NMI 355L4A	1683	1479	95.3	95.5	0.87	0.84	636	6.3	225	4068	1.2	3.0	9.0	2750	81
710	NMI 355L4A	1684	1480	95.3	95.6	0.88	0.86	708	5.3	203	4580	0.9	2.4	9.8	2920	81
800	NMI 400L4A	46	1484	95.5	95.6	0.88	0.86	801	5.2	236	5149	0.8	2.4	15.6	3170	81
900	NMI 400L4A	47	1484	95.7	95.8	0.88	0.86	897	5.4	264	5791	0.8	2.4	16.7	3290	81
1000	NMI 400L4A	48	1485	95.9	96.0	0.87	0.85	1000	5.8	315	6430	0.9	2.6	17.9	3420	81
1120	NMI 400L4A	49	1485	96.0	96.1	0.87	0.84	1127	6.3	384	7202	1.0	2.9	19.2	3540	81
1250	NMI 400L4A	50	1484	95.8	96.0	0.89	0.87	1233	5.4	332	8045	0.9	2.4	20.1	3650	81
1400	NMI 400L4A	51	1485	96.1	96.2	0.88	0.86	1380	6.0	400	9000	1.0	2.6	22.5	3880	81
1400	NMI 450L4A	169	1484	95.5	95.7	0.90	0.89	1357	5.7	344	9008	0.7	2.6	30.9	4210	83
1600	NMI 450L4A	170	1485	95.8	95.9	0.90	0.88	1554	6.3	432	10286	0.8	2.9	34.9	4480	83
1800	NMI 450L4A	171	1485	95.9	96.2	0.91	0.91	1720	5.2	344	11578	0.6	2.3	38.3	4780	83
2100	NMI 450L4A	172	1487	96.2	96.3	0.90	0.87	2038	6.7	588	13490	0.9	3.1	41.6	4970	83
2240	NMI 500L4A	268	1486	96.1	96.1	0.89	0.87	2194	6.0	635	14396	0.8	2.9	53.1	5830	84
2500	NMI 500L4A	269	1485	96.1	96.2	0.89	0.87	2438	5.9	668	16072	0.7	2.8	56.2	5970	84
2650	NMI 500L4A	270	1486	96.3	96.5	0.90	0.90	2551	5.0	548	17025	0.5	2.3	60.6	6350	84

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1000 r/min = 6 poles																
690 V 50 Hz																
250	NMI 355L6A	1685	983	94.2	94.6	0.85	0.82	262	4.7	87	2429	0.9	2.1	9.4	2440	78
280	NMI 355L6A	1686	982	94.1	94.7	0.86	0.84	291	4.4	87	2724	0.8	2.0	10.2	2530	78
315	NMI 355L6A	1687	984	94.5	94.9	0.85	0.83	327	4.9	109	3058	1.0	2.2	11.0	2620	78
355	NMI 355L6A	1688	983	94.5	94.9	0.86	0.83	367	4.8	118	3448	0.9	2.1	11.8	2700	78
400	NMI 355L6A	1689	983	94.7	95.1	0.86	0.83	413	4.8	131	3885	1.0	2.1	12.6	2800	78
450	NMI 355L6A	1690	984	94.8	95.2	0.86	0.83	465	5.0	151	4368	1.0	2.2	13.4	2890	78
500	NMI 355L6A	1691	985	95.0	95.3	0.85	0.82	518	5.4	182	4848	1.1	2.3	14.2	2980	78
530	NMI 355L6A	1692	987	95.2	95.3	0.83	0.78	561	6.3	233	5127	1.3	2.7	14.9	3070	78
560	NMI 400L6A	474	989	95.1	95.1	0.84	0.79	590	5.8	236	5406	0.8	2.7	20.5	3280	78
630	NMI 400L6A	475	989	95.1	95.2	0.84	0.81	657	5.6	248	6085	0.8	2.6	21.9	3370	78
710	NMI 400L6A	476	988	95.2	95.3	0.85	0.81	736	5.5	268	6860	0.8	2.5	23.2	3490	78
800	NMI 400L6A	477	988	95.5	95.5	0.84	0.80	837	5.7	326	7729	0.9	2.7	24.5	3660	78
900	NMI 400L6A	478	989	95.6	95.6	0.83	0.79	949	5.8	383	8694	0.9	2.7	25.9	3770	78
1000	NMI 450L6A	173	989	95.5	95.8	0.87	0.85	1002	5.5	310	9660	0.9	2.5	34.4	3990	79
1120	NMI 450L6A	174	989	95.7	96.0	0.87	0.85	1121	5.7	354	10816	0.9	2.6	36.8	4130	79
1250	NMI 450L6A	175	989	95.8	96.2	0.89	0.87	1233	5.8	358	12071	1.0	2.5	41.7	4410	79
1400	NMI 450L6A	176	990	96.0	96.3	0.87	0.84	1398	6.4	470	13505	1.1	2.8	44.1	4550	79
1600	NMI 450L6A	177	990	96.2	96.4	0.87	0.84	1601	6.1	535	15429	1.0	2.7	49.9	4880	79
1800	NMI 500L6A	271	989	96.0	96.3	0.88	0.86	1786	5.1	490	17374	0.7	2.3	67.0	5680	79
2000	NMI 500L6A	272	991	96.2	96.4	0.88	0.86	1978	5.8	585	19276	0.8	2.6	79.0	6150	79
2240	NMI 500L6A	273	991	96.4	96.6	0.88	0.86	2201	6.0	637	21582	0.9	2.6	91.0	6720	79

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
3000 r/min = 2 poles																
3000 V 50 Hz																
250	NMI 355L2A	1631	2977	93.9	93.4	0.90	0.88	57	6.9	15	802	0.7	3.3	4.8	2440	87
280	NMI 355L2A	1632	2974	94.0	93.7	0.91	0.89	63	6.4	15	899	0.7	3.1	4.8	2440	87
315	NMI 355L2A	1633	2977	94.4	94.0	0.89	0.87	72	6.8	21	1010	0.7	3.3	4.8	2450	87
355	NMI 355L2A	1634	2974	94.5	94.3	0.90	0.88	80	6.3	21	1140	0.7	3.0	4.8	2450	87
400	NMI 355L2A	1635	2974	94.8	94.6	0.89	0.87	91	6.3	26	1284	0.7	3.1	4.8	2460	87
450	NMI 355L2A	1636	2970	94.7	94.8	0.90	0.88	102	5.6	26	1447	0.6	2.7	4.8	2460	87
500	NMI 355L2A	1637	2969	94.8	95.0	0.91	0.90	112	5.5	24	1608	0.6	2.6	5.2	2540	87
560	NMI 355L2A	1638	2968	95.0	95.3	0.91	0.91	124	5.3	24	1802	0.6	2.5	5.6	2650	87
630	NMI 355L2A	1639	2972	95.3	95.5	0.91	0.90	140	6.1	32	2024	0.7	2.9	5.9	2730	87
710	NMI 355L2A	1640	2972	95.3	95.4	0.91	0.90	157	6.1	34	2281	0.7	2.9	6.3	2830	87
800	NMI 355L2A	1641	2973	95.5	95.6	0.91	0.90	176	6.3	40	2570	0.7	2.9	6.7	2920	87
900	NMI 400L2A	572	2975	95.5	95.5	0.91	0.89	200	5.8	45	2889	0.6	2.8	10.0	3240	87
1000	NMI 400L2A	573	2976	95.7	95.7	0.91	0.90	221	6.1	50	3209	0.6	2.9	10.8	3360	87
1120	NMI 400L2A	574	2972	95.5	95.6	0.91	0.90	248	5.4	50	3598	0.6	2.6	10.8	3360	87
1250	NMI 400L2A	575	2977	95.9	95.9	0.91	0.89	277	6.1	62	4010	0.7	2.9	12.2	3610	87
1330	NMI 400L2A	576	2975	95.9	95.9	0.92	0.91	290	6.3	60	4270	0.7	2.9	12.8	3720	87
1400	NMI 450L2A	577	2975	95.9	96.0	0.90	0.89	313	5.3	67	4494	0.5	2.6	13.5	4110	88
1600	NMI 450L2A	578	2975	95.9	96.0	0.90	0.90	355	5.5	74	5136	0.5	2.7	14.5	4270	88
1800	NMI 450L2A	579	2977	96.2	96.2	0.91	0.91	395	6.2	83	5773	0.6	3.0	16.3	4560	88
1900	NMI 450L2A	580	2979	96.3	96.3	0.91	0.90	419	5.6	89	6090	0.5	2.7	17.1	4720	88
2000	NMI 500L2A	581	2980	95.8	95.7	0.91	0.90	440	6.0	97	6410	0.5	3.0	25.3	5340	89
2240	NMI 500L2A	582	2980	96.0	96.0	0.92	0.92	488	5.8	92	7178	0.5	2.8	26.5	5510	89
2500	NMI 500L2A	583	2980	96.2	96.1	0.92	0.91	544	6.0	106	8012	0.5	2.9	30.0	5900	89
2800	NMI 500L2A	584	2980	96.3	96.3	0.93	0.92	604	5.9	110	8972	0.5	2.9	31.2	6110	89
3150	NMI 560L2A	585	2984	96.6	96.5	0.93	0.93	675	5.9	122	10079	0.4	2.8	48.7	9460	87
3550	NMI 560L2A	586	2977	96.5	96.4	0.93	0.93	763	5.8	129	11389	0.6	2.8	58.9	10250	87
4000	NMI 560L2A	587	2983	96.8	96.8	0.94	0.94	850	5.5	119	12805	0.4	2.6	58.0	10450	87
4200	NMI 560L2A	588	2984	96.9	96.9	0.93	0.93	892	5.9	141	13443	0.5	2.8	58.0	10620	87
4500	NMI 560L2A	589	2979	96.9	96.9	0.94	0.94	951	5.2	112	14424	0.5	2.4	63.5	11160	87
5000	NMI 630L2A	590	2982	96.5	96.3	0.93	0.93	1074	6.0	148	16014	0.5	2.8	121.9	14130	88
5600	NMI 630L2A	591	2982	96.6	96.5	0.94	0.94	1191	6.0	152	17932	0.5	2.8	125.0	14390	88
6000	NMI 630L2A	592	2983	96.7	96.6	0.94	0.95	1264	6.0	166	19205	0.4	2.8	130.4	14780	88

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]	
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %										
1500 r/min = 4 poles				3000 V 50 Hz													
250	NMI 355L4A	1642	1484	94.4	94.2	0.85	0.81	60	7.0	24	1609	1.2	3.3	7.3	2440	81	
280	NMI 355L4A	1643	1482	94.4	94.4	0.86	0.83	66	6.3	24	1804	1.0	2.9	7.3	2440	81	
315	NMI 355L4A	1644	1480	94.4	94.6	0.88	0.85	73	6.0	24	2033	1.0	2.7	7.3	2440	81	
355	NMI 355L4A	1645	1482	94.7	94.7	0.85	0.81	85	6.6	34	2287	1.2	3.2	7.3	2440	81	
400	NMI 355L4A	1646	1480	94.6	94.8	0.86	0.83	94	6.0	34	2582	1.0	2.8	7.3	2440	81	
450	NMI 355L4A	1647	1481	94.9	95.0	0.86	0.82	106	6.4	40	2902	1.2	3.0	7.9	2540	81	
500	NMI 355L4A	1648	1478	94.8	95.1	0.87	0.84	117	5.8	40	3229	1.0	2.7	7.9	2540	81	
560	NMI 355L4A	1649	1480	95.1	95.3	0.86	0.83	131	6.1	48	3614	1.1	2.9	8.4	2640	81	
630	NMI 355L4A	1650	1479	95.0	95.2	0.87	0.83	147	5.9	52	4067	1.1	2.8	9.0	2740	81	
710	NMI 355L4A	1651	1479	95.1	95.4	0.87	0.83	166	5.9	58	4583	1.1	2.8	9.5	2830	81	
760	NMI 355L4A	1652	1481	95.4	95.5	0.87	0.83	177	6.5	63	4901	1.2	3.0	10.6	3010	81	
800	NMI 400L4A	593	1484	95.4	95.6	0.88	0.86	184	5.5	56	5148	0.7	2.5	15.5	3150	81	
900	NMI 400L4A	594	1484	95.5	95.7	0.88	0.87	205	5.4	58	5792	0.7	2.5	16.6	3260	81	
1000	NMI 400L4A	595	1484	95.7	95.9	0.89	0.87	227	5.6	64	6434	0.8	2.5	17.7	3380	81	
1120	NMI 400L4A	596	1485	95.7	95.8	0.88	0.86	255	5.8	75	7204	0.8	2.6	18.8	3500	81	
1250	NMI 400L4A	597	1485	95.9	96.0	0.89	0.87	283	5.9	81	8037	0.9	2.5	21.0	3730	81	
1400	NMI 450L4A	598	1486	95.7	95.7	0.88	0.86	320	5.8	95	8994	0.7	2.7	33.6	4360	83	
1600	NMI 450L4A	599	1488	96.0	96.0	0.89	0.87	362	5.6	100	10269	0.6	2.6	37.3	4650	83	
1800	NMI 450L4A	600	1488	96.0	96.1	0.89	0.87	406	5.5	107	11548	0.6	2.5	41.1	4880	83	
1980	NMI 450L4A	601	1489	96.2	96.3	0.88	0.86	451	5.6	128	12701	0.6	2.6	43.5	5060	83	
2000	NMI 500L4A	602	1487	95.9	95.9	0.88	0.85	458	6.0	147	12844	0.7	2.9	50.0	5560	84	
2240	NMI 500L4A	603	1487	96.1	96.1	0.88	0.86	508	6.0	152	14386	0.7	2.8	53.5	5770	84	
2500	NMI 500L4A	604	1486	96.2	96.2	0.88	0.86	567	6.0	170	16062	0.7	2.9	56.7	5970	84	
2800	NMI 500L4A	605	1487	96.4	96.4	0.88	0.85	637	6.0	196	17980	0.7	2.8	62.3	6350	84	
3000	NMI 500L4A	606	1488	96.5	96.6	0.90	0.88	666	5.7	169	19254	0.6	2.6	66.6	6660	84	
3250	NMI 560L4A	607	1484	95.8	96.1	0.91	0.91	721	4.3	119	20911	0.5	2.0	100.8	8490	86	
3750	NMI 560L4A	608	1490	96.4	96.5	0.89	0.88	840	5.6	201	24041	0.6	2.6	113.1	9190	86	
4250	NMI 560L4A	609	1490	96.6	96.7	0.90	0.88	945	5.9	226	27241	0.6	2.6	131.4	10100	86	
4750	NMI 560L4A	610	1491	96.8	96.9	0.89	0.88	1062	5.6	248	30426	0.6	2.5	128.3	10070	86	
5000	NMI 630L4A	611	1488	96.4	96.5	0.92	0.92	1080	5.1	180	32096	0.5	2.4	198.7	12290	87	
5600	NMI 630L4A	612	1488	96.6	96.7	0.92	0.92	1207	5.4	212	35934	0.5	2.6	214.0	12870	87	
6100	NMI 630L4A	613	1489	96.7	96.8	0.93	0.92	1309	6.0	242	39117	0.6	2.8	237.0	13720	87	
6250	NMI 630L4A	614	1489	96.8	96.8	0.93	0.93	1337	5.8	229	40090	0.6	2.7	244.6	14010	87	

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]	
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %										
1000 r/min =6 poles				3000 V 50 Hz													
250	NMI 355L6A	1653	985	94.0	94.3	0.85	0.82	60	5.0	21	2424	1.0	2.2	10.2	2500	78	
280	NMI 355L6A	1654	985	94.2	94.5	0.85	0.82	67	5.1	23	2714	1.0	2.3	11.0	2590	78	
315	NMI 355L6A	1655	986	94.4	94.7	0.85	0.82	75	5.3	27	3052	1.1	2.4	11.8	2680	78	
355	NMI 355L6A	1656	987	94.7	94.8	0.84	0.81	86	5.8	33	3435	1.2	2.5	12.6	2770	78	
400	NMI 355L6A	1657	988	94.9	94.9	0.82	0.77	99	6.5	43	3864	1.4	2.9	13.4	2860	78	
450	NMI 355L6A	1658	988	94.9	94.9	0.82	0.77	111	6.5	48	4348	1.4	2.9	14.2	2940	78	
500	NMI 355L6A	1659	989	95.1	95.1	0.82	0.76	124	6.7	56	4829	1.5	3.0	14.9	3050	78	
560	NMI 400L6A	615	986	94.6	94.8	0.85	0.82	135	4.9	47	5422	0.7	2.3	18.0	3060	78	
630	NMI 400L6A	616	986	94.6	94.9	0.86	0.84	150	4.7	47	6104	0.7	2.2	19.3	3150	78	
710	NMI 400L6A	617	988	95.0	95.1	0.83	0.79	173	5.6	70	6865	0.9	2.6	20.6	3280	78	
800	NMI 400L6A	618	989	95.2	95.2	0.83	0.78	195	6.1	82	7727	1.0	2.9	23.3	3490	78	
900	NMI 400L6A	619	989	95.4	95.4	0.84	0.80	215	6.2	83	8691	1.0	2.9	27.4	3830	78	
1000	NMI 450L6A	620	991	95.7	95.8	0.85	0.81	237	5.7	87	9637	0.8	2.6	39.2	4240	79	
1120	NMI 450L6A	621	990	95.7	95.9	0.86	0.84	262	5.3	84	10806	0.7	2.3	41.3	4370	79	
1250	NMI 450L6A	622	991	95.9	96.0	0.85	0.82	295	6.0	107	12045	0.9	2.6	46.3	4650	79	
1400	NMI 450L6A	623	991	96.0	96.1	0.84	0.80	333	6.1	127	13487	0.9	2.7	48.9	4790	79	
1500	NMI 450L6A	624	992	96.2	96.2	0.84	0.80	356	6.4	137	14444	1.0	2.9	53.7	5070	79	
1600	NMI 500L6A	625	990	96.0	96.1	0.87	0.84	371	5.7	120	15432	0.9	2.5	63.5	5450	79	
1800	NMI 500L6A	626	991	96.2	96.3	0.87	0.85	413	5.6	128	17347	0.8	2.5	71.5	5790	79	
2000	NMI 500L6A	627	991	96.3	96.5	0.87	0.85	459	6.0	146	19263	0.8	2.6	79.5	6130	79	
2250	NMI 500L6A	628	992	96.4	96.5	0.87	0.84	519	6.0	170	21662	0.8	2.6	91.4	6630	79	
2500	NMI 560L6A	629	989	96.0	96.2	0.87	0.86	577	4.3	139	24127	0.5	1.9	118.4	8130	83	
2800	NMI 560L6A	630	992	96.3	96.5	0.85	0.84	655	4.6	180	26960	0.5	2.0	126.9	8540	83	
3150	NMI 560L6A	631	992	96.5	96.7	0.86	0.84	730	4.9	205	30310	0.6	2.2	143.7	9190	83	
3550	NMI 560L6A	632	992	96.6	96.8	0.86	0.85	819	4.9	218	34163	0.6	2.1	154.8	9630	83	
3900	NMI 560L6A	633	993	96.8	96.8	0.88	0.85	886	5.8	260	37504	0.7	2.6	185.2	10710	83	
4500	NMI 630L6A	634	994	96.9	96.9	0.87	0.85	1032	5.4	300	43221	0.6	2.4	266.9	12850	84	
5000	NMI 630L6A	635	994	97.0	97.1	0.88	0.87	1122	5.4	284	48025	0.6	2.3	312.3	14200	84	
5700	NMI 630L6A	636	995	97.1	97.1	0.86	0.84	1311	6.0	414	54714	0.7	2.6	330.4	14750	84	

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]	
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %										
3000 r/min = 2 poles				6000 V 50 Hz													
250	NMI 355L2A	1599	2975	93.5	93.2	0.91	0.90	28	6.5	7	802	0.7	3.1	4.8	2410	87	
280	NMI 355L2A	1600	2975	93.8	93.5	0.91	0.89	32	6.5	8	899	0.7	3.1	4.8	2420	87	
315	NMI 355L2A	1601	2975	94.0	93.9	0.91	0.89	36	6.5	9	1011	0.7	3.1	4.8	2420	87	
355	NMI 355L2A	1602	2975	94.3	94.1	0.90	0.88	40	6.5	11	1139	0.7	3.1	4.8	2420	87	
400	NMI 355L2A	1603	2976	94.5	94.3	0.89	0.86	46	6.6	14	1284	0.7	3.2	4.8	2420	87	
450	NMI 355L2A	1604	2972	94.4	94.5	0.89	0.88	51	5.9	14	1446	0.6	2.8	4.8	2420	87	
500	NMI 355L2A	1605	2971	94.6	94.8	0.91	0.89	56	5.8	13	1607	0.6	2.7	5.2	2510	87	
560	NMI 355L2A	1606	2970	94.5	94.7	0.91	0.91	62	5.6	13	1800	0.6	2.6	5.6	2610	87	
630	NMI 355L2A	1607	2970	94.7	94.9	0.92	0.91	70	5.6	13	2026	0.6	2.6	5.9	2700	87	
710	NMI 355L2A	1608	2974	95.2	95.3	0.92	0.91	78	6.5	17	2280	0.8	3.0	6.7	2890	87	
800	NMI 400L2A	17	2974	95.1	95.2	0.91	0.90	89	5.3	18	2569	0.5	2.5	9.3	3080	87	
900	NMI 400L2A	18	2974	95.0	95.1	0.91	0.91	100	5.3	19	2890	0.5	2.5	10.0	3200	87	
1000	NMI 400L2A	19	2975	95.3	95.4	0.92	0.91	110	5.6	21	3210	0.6	2.6	10.7	3320	87	
1120	NMI 400L2A	20	2976	95.6	95.6	0.92	0.91	123	5.9	25	3594	0.6	2.7	11.4	3440	87	
1250	NMI 400L2A	21	2978	95.8	95.9	0.92	0.92	136	6.2	25	4009	0.7	2.8	12.8	3680	87	
1330	NMI 400L2A	22	2979	96.0	96.0	0.91	0.89	147	6.8	35	4263	0.7	3.1	13.7	3800	87	
1400	NMI 450L2A	148	2978	96.0	96.0	0.90	0.89	155	6.2	37	4489	0.6	3.1	14.5	4210	88	
1600	NMI 450L2A	149	2978	95.9	95.9	0.92	0.91	175	5.9	33	5130	0.6	2.8	16.1	4480	88	
1800	NMI 450L2A	150	2979	96.1	96.2	0.91	0.90	198	6.2	41	5770	0.6	3.0	18.1	4790	88	
2000	NMI 450L2A	151	2980	96.3	96.3	0.90	0.89	222	6.2	52	6408	0.6	3.0	19.2	4980	88	
2240	NMI 500L2A	248	2983	96.1	96.0	0.92	0.91	243	6.0	49	7171	0.5	2.9	28.1	5650	89	
2500	NMI 500L2A	249	2981	96.2	96.2	0.93	0.92	270	6.0	51	8008	0.5	2.9	29.7	5850	89	
2800	NMI 500L2A	250	2980	96.4	96.4	0.93	0.93	299	5.7	47	8973	0.5	2.8	33.2	6310	89	
3150	NMI 560L2A	354	2982	96.4	96.4	0.94	0.94	335	5.6	49	10088	0.4	2.7	52.0	9620	87	
3550	NMI 560L2A	355	2983	96.6	96.5	0.93	0.93	379	6.2	67	11366	0.6	2.9	57.1	10130	87	
4000	NMI 560L2A	356	2982	96.7	96.7	0.94	0.94	424	5.4	54	12809	0.4	2.5	60.4	10620	87	
4500	NMI 560L2A	357	2985	96.9	96.8	0.94	0.94	478	6.0	74	14397	0.5	2.8	66.6	11350	87	
4800	NMI 560L2A	358	2984	97.0	97.0	0.94	0.94	508	6.0	75	15362	0.5	2.8	66.8	11530	87	
5000	NMI 630L2A	507	2984	96.4	96.2	0.93	0.92	538	6.0	100	15999	0.4	2.9	109.3	13000	88	
5600	NMI 630L2A	508	2986	96.6	96.5	0.93	0.93	597	5.7	90	17910	0.4	2.7	114.4	13690	88	
6200	NMI 630L2A	509	2987	96.7	96.6	0.93	0.93	660	6.0	104	19821	0.5	2.8	130.8	14900	88	

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1500 r/min = 4 poles																
6000 V 50 Hz																
250	NMI 355L4A	1610	1483	93.9	93.8	0.86	0.82	30	6.3	11	1610	1.0	3.0	7.3	2420	81
280	NMI 355L4A	1611	1481	93.8	94.0	0.88	0.85	33	5.9	11	1806	1.0	2.7	7.3	2420	81
315	NMI 355L4A	1612	1483	94.1	94.1	0.84	0.80	38	6.4	16	2028	1.0	3.0	7.3	2420	81
355	NMI 355L4A	1613	1482	94.3	94.4	0.87	0.84	42	6.5	15	2288	1.1	3.0	7.9	2500	81
400	NMI 355L4A	1614	1481	94.1	94.3	0.85	0.81	48	6.2	19	2579	1.1	2.9	7.3	2410	81
450	NMI 355L4A	1615	1479	94.0	94.3	0.87	0.84	53	5.9	18	2905	1.0	2.7	7.9	2500	81
500	NMI 355L4A	1616	1481	94.5	94.7	0.88	0.85	58	6.3	20	3225	1.1	2.9	9.0	2690	81
560	NMI 355L4A	1617	1480	94.5	94.7	0.86	0.83	66	5.8	24	3614	1.0	2.8	8.4	2610	81
630	NMI 355L4A	1618	1482	95.0	95.1	0.86	0.82	75	6.5	29	4060	1.2	3.1	9.5	2790	81
670	NMI 355L4A	1619	1482	95.2	95.2	0.87	0.83	78	6.8	29	4316	1.3	3.2	10.6	2980	81
710	NMI 400L4A	2088	1485	95.2	95.3	0.88	0.86	82	5.7	25	4566	0.7	2.6	15.5	3120	81
800	NMI 400L4A	23	1486	95.3	95.4	0.86	0.82	94	5.9	34	5142	0.8	2.8	15.5	3120	81
900	NMI 400L4A	24	1486	95.3	95.3	0.86	0.83	105	6.0	37	5785	0.8	2.8	16.6	3240	81
1000	NMI 400L4A	25	1486	95.5	95.5	0.86	0.83	117	6.3	43	6426	0.9	2.9	17.7	3350	81
1120	NMI 400L4A	26	1487	95.7	95.8	0.88	0.85	129	6.4	42	7195	0.9	2.9	19.9	3580	81
1250	NMI 400L4A	27	1487	95.9	96.0	0.89	0.87	141	6.5	42	8028	1.0	2.8	23.1	3930	81
1400	NMI 450L4A	152	1486	95.5	95.5	0.88	0.86	160	5.7	47	8994	0.6	2.7	33.6	4310	83
1500	NMI 450L4A	153	1487	95.7	95.7	0.87	0.84	174	6.1	57	9631	0.7	2.9	35.4	4460	83
1600	NMI 450L4A	154	1489	95.8	95.8	0.88	0.86	182	6.2	55	10261	0.7	2.8	39.2	4700	83
1800	NMI 450L4A	155	1489	96.1	96.1	0.89	0.87	203	6.2	59	11542	0.7	2.8	43.4	5010	83
1950	NMI 450L4A	156	1490	96.2	96.2	0.87	0.85	223	6.0	69	12500	0.7	2.8	45.4	5160	83
2000	NMI 500L4A	252	1486	95.7	95.8	0.88	0.85	229	6.0	72	12849	0.7	2.9	50.2	5510	84
2240	NMI 500L4A	253	1486	95.9	96.0	0.89	0.87	253	6.0	74	14391	0.7	2.8	53.9	5710	84
2500	NMI 500L4A	254	1488	96.2	96.3	0.91	0.90	275	6.0	65	16046	0.8	2.7	64.1	6370	84
2800	NMI 500L4A	255	1488	96.4	96.5	0.91	0.90	306	5.9	68	17972	0.7	2.6	70.5	6760	84
3000	NMI 500L4A	256	1488	96.4	96.5	0.89	0.87	336	6.0	94	19253	0.7	2.7	73.5	6980	84
3150	NMI 560L4A	359	1489	96.0	96.1	0.89	0.88	353	5.1	82	20200	0.5	2.4	98.5	8390	86
3550	NMI 560L4A	360	1490	96.3	96.3	0.89	0.88	397	5.6	99	22752	0.6	2.6	107.6	8840	86
4000	NMI 560L4A	361	1490	96.4	96.5	0.90	0.88	444	6.0	110	25639	0.6	2.8	122.6	9540	86
4500	NMI 560L4A	362	1491	96.6	96.7	0.90	0.89	495	6.0	116	28829	0.6	2.7	131.0	10000	86
4900	NMI 560L4A	363	1491	96.9	97.0	0.91	0.90	537	5.9	115	31378	0.6	2.6	134.8	10510	86
5000	NMI 630L4A	510	1491	96.5	96.5	0.90	0.88	555	5.9	136	32023	0.6	2.8	186.8	11890	87
5600	NMI 630L4A	511	1491	96.7	96.7	0.91	0.90	610	6.0	131	35868	0.6	2.8	209.2	12730	87
6300	NMI 630L4A	512	1492	96.9	96.9	0.90	0.88	699	5.6	162	40311	0.5	2.6	223.7	13560	87
7000	NMI 630L4A	513	1493	97.0	97.0	0.89	0.87	780	6.0	197	44774	0.6	2.7	245.0	14400	87

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]	
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %										
1000 r/min = 6 poles				6000 V 50 Hz													
250	NMI 355L6A	1620	990	93.7	93.3	0.75	0.67	34	6.3	20	2410	1.2	3.0	10.1	2470	78	
280	NMI 355L6A	1621	989	93.8	93.6	0.77	0.71	37	5.8	20	2703	1.1	2.7	10.1	2470	78	
315	NMI 355L6A	1622	989	94.1	94.1	0.80	0.74	40	5.9	20	3041	1.1	2.7	11.7	2650	78	
355	NMI 355L6A	1623	988	94.1	94.2	0.81	0.77	45	5.3	20	3433	1.0	2.4	11.7	2650	78	
400	NMI 355L6A	1624	988	94.4	94.3	0.78	0.73	52	5.1	25	3867	0.9	2.4	11.7	2680	78	
450	NMI 355L6A	1625	990	94.6	94.2	0.74	0.67	62	6.0	35	4340	1.2	2.9	14.1	2950	78	
500	NMI 355L6A	1626	990	95.0	94.7	0.81	0.75	63	6.4	30	4823	1.1	3.0	14.7	3030	78	
560	NMI 400L6A	460	989	94.6	94.7	0.84	0.81	67	5.6	26	5407	0.8	2.6	20.6	3220	78	
630	NMI 400L6A	461	989	94.8	94.9	0.85	0.81	75	5.6	28	6084	0.8	2.6	21.9	3330	78	
710	NMI 400L6A	462	989	95.0	95.1	0.84	0.80	85	5.9	33	6856	0.9	2.7	23.2	3450	78	
800	NMI 400L6A	463	990	95.3	95.3	0.85	0.81	96	5.8	36	7718	0.9	2.7	25.7	3660	78	
900	NMI 450L6A	157	991	95.3	95.4	0.85	0.82	107	5.4	38	8675	0.7	2.4	36.7	4060	79	
1000	NMI 450L6A	158	991	95.4	95.6	0.85	0.81	119	5.7	44	9636	0.8	2.5	39.1	4190	79	
1120	NMI 450L6A	159	991	95.7	95.7	0.83	0.79	135	6.2	55	10791	0.9	2.8	41.4	4350	79	
1250	NMI 450L6A	160	991	95.8	95.8	0.83	0.79	151	6.1	60	12047	0.9	2.7	46.8	4630	79	
1400	NMI 450L6A	161	992	96.0	96.0	0.84	0.79	168	6.5	68	13478	0.9	2.9	53.8	5030	79	
1600	NMI 500L6A	257	991	95.9	96.0	0.86	0.82	187	6.2	67	15414	0.9	2.8	67.6	5540	79	
1800	NMI 500L6A	258	991	96.0	96.2	0.87	0.85	206	6.2	67	17338	0.9	2.7	75.2	5870	79	
2000	NMI 500L6A	259	992	96.2	96.4	0.89	0.87	225	6.2	65	19254	0.9	2.7	91.1	6510	79	
2120	NMI 500L6A	260	992	96.3	96.4	0.88	0.85	241	6.1	74	20410	0.8	2.6	95.0	6730	79	
2500	NMI 560L6A	364	992	96.1	96.2	0.87	0.85	289	5.1	83	24067	0.6	2.3	128.7	8440	83	
2800	NMI 560L6A	365	992	96.2	96.4	0.88	0.86	319	5.4	90	26943	0.6	2.4	145.8	9070	83	
3150	NMI 560L6A	366	993	96.4	96.6	0.88	0.87	357	4.8	86	30294	0.5	2.1	157.9	9690	83	
3550	NMI 560L6A	367	993	96.6	96.6	0.87	0.84	407	6.0	128	34132	0.7	2.7	174.3	10180	83	
3700	NMI 560L6A	368	993	96.6	96.7	0.87	0.85	422	6.0	130	35572	0.7	2.6	185.2	10610	83	
4000	NMI 560L6A	369	993	96.8	96.9	0.86	0.84	461	5.9	145	38453	0.8	2.5	182.7	10720	83	
4500	NMI 630L6A	514	995	96.8	96.8	0.86	0.84	518	5.9	163	43207	0.7	2.6	267.5	12730	84	
5000	NMI 630L6A	515	995	96.9	96.9	0.85	0.83	582	6.0	193	47995	0.7	2.6	294.1	13530	84	
5600	NMI 630L6A	516	995	97.0	97.0	0.86	0.84	645	6.0	207	53749	0.7	2.6	330.4	14630	84	

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
3000 r/min = 2 poles																
10000 V 50 Hz																
280	NMI 355L2A	2064	2975	93.5	93.0	0.85	0.80	20	6.9	8	899	0.8	3.5	4.9	2420	87
315	NMI 355L2A	1583	2974	93.8	93.4	0.87	0.83	22	7.0	8	1011	0.8	3.4	5.3	2510	87
355	NMI 355L2A	1584	2971	93.9	93.7	0.88	0.85	25	6.3	8	1141	0.7	3.0	5.3	2510	87
400	NMI 355L2A	1585	2967	93.9	93.9	0.88	0.86	28	5.6	8	1287	0.6	2.7	5.3	2510	87
450	NMI 355L2A	2063	2962	93.8	94.1	0.89	0.87	31	5.0	8	1451	0.5	2.4	5.3	2510	87
500	NMI 400L2A	2082	2978	94.2	93.9	0.88	0.85	35	6.2	11	1603	0.6	3.0	7.2	2940	87
560	NMI 400L2A	2083	2975	94.3	94.1	0.89	0.86	39	5.6	11	1798	0.5	2.7	7.2	2940	87
630	NMI 400L2A	10001	2977	94.5	94.4	0.89	0.87	43	5.8	12	2021	0.6	2.7	7.7	3030	87
710	NMI 400L2A	10002	2978	94.9	94.8	0.90	0.87	48	6.1	13	2277	0.6	2.8	8.3	3150	87
800	NMI 400L2A	10003	2977	95.1	95.1	0.91	0.89	54	5.9	13	2566	0.6	2.7	8.9	3270	87
900	NMI 400L2A	10004	2979	95.4	95.4	0.90	0.88	60	6.4	16	2885	0.7	2.9	9.5	3400	87
1000	NMI 400L2A	10005	2979	95.4	95.3	0.91	0.89	67	6.4	17	3206	0.7	2.9	10.0	3510	87
1100	NMI 400L2A	6	2979	95.5	95.5	0.91	0.89	73	6.5	18	3526	0.7	3.0	10.6	3630	87
1120	NMI 450L2A	135	2982	95.4	95.3	0.90	0.88	75	6.1	19	3586	0.5	3.0	14.4	4120	88
1250	NMI 450L2A	136	2982	95.6	95.6	0.91	0.89	83	6.1	19	4003	0.5	2.9	15.3	4270	88
1400	NMI 450L2A	137	2981	95.6	95.5	0.91	0.90	92	6.1	21	4484	0.5	2.9	16.2	4420	88
1600	NMI 450L2A	138	2982	95.9	95.8	0.91	0.89	106	6.4	27	5123	0.5	3.1	18.1	4730	88
1800	NMI 500L2A	232	2984	95.9	95.8	0.93	0.92	117	6.2	23	5760	0.5	3.0	26.5	5390	89
2000	NMI 500L2A	233	2982	95.9	95.7	0.92	0.91	131	5.5	25	6405	0.4	2.7	26.5	5490	89
2240	NMI 500L2A	234	2983	96.1	96.0	0.92	0.90	147	6.0	33	7170	0.5	2.9	28.0	5670	89
2500	NMI 500L2A	235	2981	96.2	96.1	0.91	0.90	165	6.2	37	8007	0.5	3.0	31.6	6040	89
2800	NMI 560L2A	380	2981	96.1	95.9	0.92	0.92	183	6.0	35	8969	0.5	2.8	52.9	9480	87
3030	NMI 560L2A	2043	2980	96.1	96.0	0.91	0.90	200	6.1	42	9708	0.6	2.9	56.0	9760	87
3550	NMI 560L2A	322	2983	96.6	96.5	0.93	0.93	228	6.0	40	11364	0.5	2.9	56.3	10110	87
4000	NMI 560L2A	323	2985	96.7	96.7	0.94	0.94	255	6.0	39	12798	0.5	2.8	62.7	10770	87
4400	NMI 630L2A	486	2986	96.1	95.9	0.93	0.92	285	6.0	48	14072	0.5	2.8	116.1	13400	88
4800	NMI 630L2A	487	2985	96.2	96.1	0.94	0.94	305	6.0	42	15355	0.4	2.8	120.5	13720	88
5300	NMI 630L2A	10030	2986	96.4	96.2	0.94	0.94	338	6.2	51	16947	0.4	2.9	131.4	14670	88

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1500 r/min = 4 poles																
10000 V 50 Hz																
315	NMI 355L4A	2073	1486	93.8	93.3	0.76	0.69	25	7.0	14	2024	1.1	3.7	7.9	2500	81
355	NMI 355L4A	2074	1485	94.0	93.7	0.78	0.72	28	6.6	15	2282	1.1	3.3	7.9	2500	81
400	NMI 355L4A	2075	1485	94.2	93.8	0.78	0.71	32	6.8	17	2572	1.1	3.5	8.4	2590	81
450	NMI 355L4A	2076	1484	94.3	94.1	0.79	0.73	35	6.9	18	2895	1.1	3.5	9.0	2660	81
500	NMI 355L4A	1593	1484	94.4	94.3	0.81	0.75	38	6.5	18	3217	1.1	3.2	9.0	2660	81
560	NMI 400L4A	2091	1487	94.3	94.2	0.85	0.81	40	6.0	15	3597	0.8	2.7	17.0	3170	81
630	NMI 400L4A	7	1487	94.4	94.3	0.84	0.80	46	6.4	18	4045	0.9	2.9	18.2	3260	81
710	NMI 400L4A	8	1489	94.8	94.7	0.85	0.80	51	6.4	21	4553	0.9	2.8	18.8	3360	81
800	NMI 400L4A	9	1489	95.0	95.0	0.86	0.82	57	6.4	21	5132	0.9	2.8	19.9	3480	81
900	NMI 400L4A	10	1489	95.0	94.9	0.86	0.83	63	6.5	23	5772	0.8	2.9	20.8	3590	81
1000	NMI 400L4A	11	1489	95.3	95.2	0.85	0.80	72	6.3	28	6413	0.8	2.8	21.8	3710	81
1120	NMI 450L4A	139	1488	95.0	94.9	0.86	0.82	80	6.0	29	7190	0.7	2.9	27.7	4130	83
1250	NMI 450L4A	140	1487	95.2	95.2	0.86	0.83	88	6.0	31	8025	0.7	2.9	29.3	4270	83
1400	NMI 450L4A	141	1488	95.4	95.3	0.85	0.82	99	6.5	37	8987	0.8	3.1	32.7	4560	83
1600	NMI 450L4A	142	1489	95.8	95.8	0.87	0.84	111	6.2	37	10258	0.7	2.9	35.8	4850	83
1800	NMI 500L4A	236	1488	95.6	95.6	0.91	0.89	120	6.4	32	11553	0.8	2.9	55.6	5760	84
2000	NMI 500L4A	237	1488	95.7	95.7	0.89	0.86	136	6.2	42	12834	0.7	2.8	58.4	5930	84
2240	NMI 500L4A	238	1489	95.9	95.9	0.90	0.88	150	5.9	41	14369	0.6	2.7	60.9	6100	84
2370	NMI 500L4A	239	1489	96.1	96.1	0.89	0.86	161	6.2	48	15204	0.7	2.8	64.2	6330	84
2500	NMI 560L4A	325	1491	95.8	95.7	0.88	0.86	171	6.0	50	16015	0.6	2.8	96.3	8560	86
2800	NMI 560L4A	326	1491	96.0	95.9	0.89	0.87	190	6.0	52	17937	0.6	2.8	104.5	8990	86
3150	NMI 560L4A	327	1491	96.1	96.1	0.88	0.86	214	6.0	61	20180	0.6	2.8	108.7	9220	86
3550	NMI 560L4A	328	1490	96.3	96.3	0.89	0.87	240	6.0	65	22749	0.6	2.8	113.1	9470	86
3900	NMI 560L4A	329	1491	96.4	96.4	0.89	0.87	263	6.0	71	24986	0.6	2.7	122.1	9930	86
4500	NMI 560L4A	330	1490	96.7	96.6	0.87	0.85	309	6.0	91	28834	0.7	2.8	129.9	10480	86
5000	NMI 630L4A	2100	1492	96.5	96.5	0.91	0.90	330	5.9	72	31993	0.6	2.6	210.2	12820	87
5600	NMI 630L4A	2101	1493	96.7	96.6	0.88	0.86	380	6.2	103	35811	0.6	2.8	230.5	13650	87
6000	NMI 630L4A	2102	1493	96.8	96.7	0.88	0.87	405	6.2	105	38368	0.6	2.8	244.8	14200	87

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1000 r/min = 6 poles																
10000 V 50 Hz																
450	NMI 400L6A	453	993	94.0	93.7	0.78	0.72	35	6.2	18	4329	1.0	2.9	19.0	3340	78
500	NMI 400L6A	454	992	94.1	93.9	0.80	0.74	38	5.7	18	4814	0.9	2.6	19.0	3340	78
560	NMI 400L6A	455	991	94.5	94.3	0.81	0.76	42	5.7	19	5394	0.9	2.5	20.1	3460	78
630	NMI 400L6A	456	991	94.4	94.3	0.80	0.74	48	5.5	22	6069	0.9	2.5	20.1	3480	78
710	NMI 450L6A	143	991	94.6	94.6	0.83	0.79	52	5.8	22	6839	0.8	2.7	31.5	4030	79
800	NMI 450L6A	144	991	94.7	94.9	0.84	0.81	58	5.5	22	7710	0.7	2.5	33.5	4170	79
900	NMI 450L6A	145	992	95.0	95.1	0.83	0.78	66	6.0	28	8665	0.8	2.7	36.2	4320	79
1000	NMI 450L6A	146	991	95.3	95.3	0.82	0.78	74	5.6	31	9632	0.8	2.6	37.5	4470	79
1120	NMI 450L6A	147	991	95.4	95.5	0.83	0.80	81	5.1	31	10791	0.6	2.3	41.2	4740	79
1250	NMI 500L6A	240	992	95.4	95.5	0.86	0.82	88	6.4	32	12028	0.9	2.9	64.6	5320	79
1400	NMI 500L6A	241	993	95.6	95.6	0.85	0.81	100	6.4	39	13468	0.9	2.8	68.6	5490	79
1600	NMI 500L6A	242	993	95.8	95.8	0.85	0.82	113	6.2	42	15393	0.8	2.7	76.3	5810	79
1700	NMI 500L6A	243	993	95.8	95.9	0.86	0.83	119	6.3	42	16351	0.8	2.8	84.3	6110	79
1800	NMI 560L6A	331	992	95.3	95.3	0.85	0.82	128	5.1	43	17335	0.6	2.3	116.3	7920	83
2000	NMI 560L6A	332	992	95.5	95.6	0.85	0.83	141	5.4	46	19254	0.6	2.4	128.1	8350	83
2240	NMI 560L6A	333	992	95.8	95.8	0.87	0.84	156	5.6	49	21564	0.6	2.5	140.2	8800	83
2500	NMI 560L6A	334	993	96.0	96.0	0.86	0.84	174	5.8	57	24043	0.7	2.6	150.0	9200	83
2850	NMI 560L6A	335	992	96.1	96.1	0.86	0.83	200	5.9	68	27442	0.7	2.7	158.4	9480	83
3150	NMI 560L6A	336	993	96.4	96.4	0.86	0.83	219	5.9	72	30294	0.7	2.6	166.5	9910	83
3550	NMI 630L6A	492	995	96.5	96.4	0.85	0.82	251	5.6	86	34078	0.6	2.5	245.1	12070	84
4000	NMI 630L6A	493	995	96.6	96.5	0.84	0.81	283	5.9	100	38387	0.6	2.6	272.2	12830	84
4500	NMI 630L6A	494	995	96.7	96.7	0.84	0.81	319	5.9	113	43191	0.6	2.6	290.2	13430	84
4900	NMI 630L6A	495	995	96.8	96.8	0.84	0.80	349	6.0	127	47025	0.7	2.6	308.3	13970	84

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
3000 r/min = 2 poles																
690 V 50 Hz																
250	NMI 355L2L	1793	2975	94.7	94.5	0.91	0.90	243	5.9	56	803	0.6	2.8	4.2	2370	76
280	NMI 355L2L	1794	2971	94.7	94.7	0.91	0.90	271	5.3	56	900	0.5	2.5	4.2	2370	76
315	NMI 355L2L	1795	2967	94.6	94.8	0.91	0.91	306	4.7	56	1014	0.5	2.2	4.2	2370	76
355	NMI 355L2L	1796	2977	95.2	95.1	0.89	0.87	350	6.5	100	1139	0.7	3.2	4.2	2380	76
400	NMI 355L2L	1797	2974	95.3	95.3	0.90	0.88	392	5.8	100	1284	0.6	2.8	4.2	2380	76
500	NMI 355L2L	1798	2967	95.1	95.4	0.90	0.89	489	4.7	100	1609	0.5	2.3	4.2	2380	76
560	NMI 355L2L	1799	2962	94.9	95.4	0.90	0.90	551	4.1	100	1805	0.4	2.0	4.2	2380	76
630	NMI 355L2L	1800	2960	95.3	95.7	0.90	0.89	613	5.3	141	2032	0.7	2.6	4.7	2490	76
710	NMI 355L2L	1801	2961	95.3	95.7	0.90	0.89	690	5.1	155	2290	0.6	2.5	5.1	2570	76
800	NMI 355L2L	1802	2961	95.3	95.9	0.90	0.91	779	4.3	130	2580	0.5	2.0	4.9	2570	76
850	NMI 355L2L	1803	2958	95.1	95.8	0.90	0.91	833	4.0	130	2744	0.4	1.9	4.9	2570	76
900	NMI 400L2L	2081	2971	95.6	95.9	0.91	0.90	869	4.7	161	2892	0.5	2.2	8.7	3070	76
1000	NMI 400L2L	109	2968	95.5	95.9	0.90	0.91	972	4.2	161	3218	0.4	2.0	8.7	3080	76
1120	NMI 400L2L	110	2975	96.1	96.3	0.91	0.90	1071	5.4	217	3595	0.6	2.5	10.1	3330	76
1250	NMI 400L2L	111	2972	96.0	96.4	0.91	0.91	1200	4.8	217	4017	0.5	2.2	10.1	3330	76
1400	NMI 400L2L	112	2968	95.9	96.4	0.90	0.91	1354	4.3	217	4505	0.4	2.0	10.1	3330	76
1500	NMI 400L2L	113	2968	95.8	96.3	0.91	0.92	1445	4.1	209	4826	0.4	1.9	10.9	3440	76
1600	NMI 450L2L	214	2978	96.4	96.6	0.91	0.90	1532	5.7	300	5131	0.6	2.7	15.8	4440	77
1800	NMI 450L2L	215	2974	96.4	96.6	0.90	0.91	1729	5.0	300	5779	0.5	2.4	15.8	4440	77
2000	NMI 450L2L	216	2971	96.2	96.6	0.90	0.91	1931	4.5	300	6428	0.5	2.2	15.8	4440	77
2220	NMI 450L2L	320	2970	96.2	96.6	0.90	0.91	2144	4.4	313	7139	0.5	2.1	16.7	4600	77
2500	NMI 500L2L	309	2977	96.4	96.7	0.92	0.93	2353	5.0	355	8020	0.4	2.4	25.6	5420	77
2800	NMI 500L2L	310	2976	96.5	96.7	0.92	0.92	2651	5.0	468	8986	0.4	2.5	27.8	5630	77
3150	NMI 500L2L	311	2974	96.6	96.8	0.91	0.91	2993	5.4	523	10113	0.5	2.6	31.5	6000	77

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1500 r/min = 4 poles																
690 V 50 Hz																
250	NMI 355L4L	1804	1484	95.3	95.4	0.88	0.85	251	5.9	83	1608	0.9	2.7	6.5	2370	74
280	NMI 355L4L	1805	1482	95.2	95.4	0.88	0.86	279	5.3	83	1804	0.8	2.4	6.5	2370	74
315	NMI 355L4L	1806	1480	95.0	95.5	0.88	0.87	314	4.8	83	2033	0.7	2.1	6.5	2370	74
355	NMI 355L4L	1807	1476	94.8	95.4	0.88	0.88	355	4.2	83	2296	0.6	1.9	6.5	2370	74
400	NMI 355L4L	1808	1479	95.1	95.6	0.87	0.85	404	4.8	118	2582	0.7	2.1	6.5	2370	74
450	NMI 355L4L	1809	1476	94.8	95.5	0.87	0.86	455	4.3	118	2911	0.6	1.9	6.5	2370	74
500	NMI 355L4L	1810	1475	95.0	95.5	0.87	0.85	506	5.0	159	3237	0.9	2.3	6.6	2380	74
560	NMI 355L4L	1811	1475	94.9	95.7	0.87	0.87	566	4.1	141	3625	0.6	1.9	7.0	2470	74
630	NMI 355L4L	1812	1476	95.2	95.9	0.88	0.88	627	4.4	149	4075	0.7	1.9	8.1	2660	74
710	NMI 355L4L	1813	1479	95.6	96.1	0.88	0.87	703	5.0	185	4583	0.8	2.2	9.1	2830	74
800	NMI 355L4L	1814	1476	95.3	96.0	0.88	0.88	796	4.4	185	5176	0.7	2.0	9.1	2830	74
900	NMI 400L4L	114	1481	95.6	96.0	0.88	0.87	898	4.7	236	5802	0.7	2.1	14.1	3050	74
1000	NMI 400L4L	115	1482	95.8	96.2	0.88	0.87	993	4.9	263	6443	0.7	2.2	15.2	3170	74
1120	NMI 400L4L	116	1483	96.0	96.3	0.88	0.86	1114	5.2	315	7211	0.8	2.3	16.4	3300	74
1250	NMI 400L4L	117	1483	96.1	96.4	0.87	0.85	1246	5.7	388	8049	0.9	2.6	17.7	3430	74
1400	NMI 400L4L	118	1481	96.0	96.5	0.89	0.88	1377	4.9	333	9024	0.8	2.1	18.6	3540	74
1600	NMI 400L4L	119	1483	96.2	96.6	0.89	0.88	1569	5.3	400	10304	0.9	2.3	20.8	3760	74
1800	NMI 450L4L	219	1482	95.9	96.3	0.91	0.90	1734	5.4	407	11595	0.7	2.5	31.1	4230	75
2000	NMI 450L4L	220	1483	95.9	96.4	0.91	0.90	1920	5.0	398	12874	0.6	2.2	34.2	4470	75
2240	NMI 450L4L	221	1483	96.2	96.6	0.91	0.90	2141	6.0	511	14420	0.8	2.7	36.9	4660	75
2500	NMI 450L4L	222	1483	96.2	96.6	0.90	0.89	2410	5.6	588	16100	0.8	2.6	38.9	4820	75
2800	NMI 500L4L	312	1485	96.5	96.8	0.91	0.90	2682	5.1	574	18011	0.6	2.3	56.6	5970	75
3150	NMI 500L4L	313	1485	96.4	96.8	0.90	0.90	3049	4.3	567	20259	0.5	1.9	57.8	6150	75

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1000 r/min = 6 poles																
690 V 50 Hz																
250	NMI 355L6L	1816	985	94.7	94.9	0.84	0.80	265	5.4	103	2422	1.0	2.4	8.7	2340	73
280	NMI 355L6L	1817	983	94.5	94.9	0.84	0.81	294	4.8	103	2719	0.9	2.1	8.7	2340	73
315	NMI 355L6L	1818	981	94.2	94.9	0.85	0.83	330	4.3	103	3066	0.8	1.9	8.7	2340	73
355	NMI 355L6L	1819	986	94.8	95.0	0.82	0.77	383	5.7	166	3438	1.2	2.5	9.5	2420	73
400	NMI 355L6L	1820	984	94.6	95.1	0.83	0.79	426	5.1	166	3882	1.0	2.2	9.5	2420	73
450	NMI 355L6L	1821	984	94.8	95.3	0.83	0.80	476	5.1	179	4368	1.0	2.2	10.3	2520	73
500	NMI 355L6L	1822	984	94.9	95.3	0.83	0.80	530	5.2	204	4851	1.1	2.3	11.1	2610	73
560	NMI 355L6L	1823	984	95.0	95.5	0.84	0.81	585	5.2	208	5435	1.1	2.2	12.7	2790	73
630	NMI 400L6L	121	987	95.0	95.4	0.84	0.81	658	4.9	234	6097	0.7	2.2	17.7	3040	73
710	NMI 400L6L	122	986	95.1	95.6	0.85	0.83	733	4.6	236	6878	0.7	2.1	19.0	3160	73
800	NMI 400L6L	123	985	95.0	95.5	0.86	0.84	823	4.5	248	7755	0.6	2.0	20.4	3260	73
900	NMI 400L6L	124	985	95.4	95.8	0.85	0.83	925	4.6	289	8726	0.7	2.1	21.7	3430	73
1000	NMI 400L6L	125	985	95.5	95.9	0.85	0.83	1029	4.6	326	9694	0.7	2.1	23.0	3540	73
1120	NMI 400L6L	126	985	95.6	95.9	0.85	0.82	1158	4.7	383	10855	0.7	2.2	24.4	3660	73
1250	NMI 450L6L	223	988	95.7	96.2	0.88	0.87	1236	5.2	336	12085	0.8	2.3	37.1	4120	74
1400	NMI 450L6L	224	988	95.9	96.3	0.88	0.86	1391	5.6	412	13525	0.9	2.5	39.5	4260	74
1600	NMI 450L6L	225	989	96.0	96.5	0.88	0.86	1581	5.8	461	15453	1.0	2.5	44.4	4540	74
1800	NMI 450L6L	226	989	96.2	96.5	0.87	0.85	1796	6.0	573	17378	1.1	2.6	49.6	4820	74
1900	NMI 450L6L	227	989	96.2	96.6	0.87	0.85	1890	5.8	586	18344	1.0	2.6	49.3	4840	74
2240	NMI 500L6L	314	989	96.2	96.6	0.88	0.87	2207	5.1	571	21635	0.7	2.2	72.0	5820	74
2500	NMI 500L6L	315	990	96.4	96.7	0.87	0.84	2501	5.8	783	24115	0.9	2.5	80.5	6180	74
2650	NMI 500L6L	316	990	96.4	96.7	0.88	0.86	2611	5.5	723	25555	0.8	2.4	87.6	6510	74

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
3000 r/min = 2 poles																
3000 V 50 Hz																
250	NMI 355L2L	1755	2975	94.6	94.4	0.91	0.89	56	6.6	14	802	0.7	3.2	4.2	2350	76
280	NMI 355L2L	1756	2977	94.6	94.4	0.90	0.88	63	6.9	17	898	0.7	3.3	4.2	2340	76
315	NMI 355L2L	1757	2974	94.7	94.6	0.90	0.89	71	6.2	17	1011	0.6	3.0	4.2	2340	76
355	NMI 355L2L	1758	2970	94.6	94.8	0.91	0.90	80	5.5	17	1141	0.6	2.6	4.2	2340	76
400	NMI 355L2L	1759	2974	94.9	95.0	0.89	0.87	91	6.1	25	1285	0.6	2.9	4.2	2340	76
450	NMI 355L2L	1760	2970	94.8	95.1	0.90	0.88	102	5.4	25	1447	0.6	2.6	4.2	2340	76
500	NMI 355L2L	1761	2968	95.1	95.4	0.89	0.88	113	5.4	28	1609	0.6	2.6	4.2	2350	76
560	NMI 355L2L	1762	2964	94.9	95.4	0.89	0.89	127	4.8	28	1804	0.5	2.3	4.2	2350	76
630	NMI 355L2L	1763	2965	95.2	95.6	0.90	0.89	142	5.0	31	2029	0.5	2.4	4.6	2450	76
710	NMI 355L2L	1764	2964	95.2	95.7	0.91	0.90	159	4.8	30	2287	0.5	2.3	4.9	2540	76
800	NMI 355L2L	1765	2964	95.3	95.8	0.91	0.91	178	4.8	32	2578	0.5	2.3	5.3	2630	76
900	NMI 355L2L	1766	2964	95.3	95.9	0.91	0.91	199	4.8	34	2900	0.6	2.3	5.7	2730	76
1000	NMI 355L2L	1767	2965	95.5	96.0	0.91	0.91	221	5.0	40	3221	0.6	2.3	6.1	2820	76
1120	NMI 400L2L	679	2968	95.6	96.0	0.91	0.91	248	4.7	45	3604	0.5	2.2	9.5	3170	76
1250	NMI 400L2L	680	2969	95.8	96.2	0.91	0.91	276	4.9	50	4021	0.5	2.3	10.2	3290	76
1400	NMI 400L2L	681	2969	95.9	96.4	0.92	0.92	305	5.0	47	4503	0.5	2.3	11.7	3520	76
1600	NMI 400L2L	682	2970	96.1	96.5	0.92	0.92	348	5.3	60	5144	0.6	2.4	12.3	3640	76
1700	NMI 400L2L	683	2969	96.0	96.5	0.92	0.92	371	5.0	60	5467	0.6	2.3	12.4	3640	76
1800	NMI 450L2L	684	2971	96.2	96.6	0.91	0.90	398	5.0	72	5785	0.5	2.4	13.7	4130	77
2000	NMI 450L2L	685	2969	96.1	96.5	0.91	0.91	441	4.5	68	6433	0.4	2.2	14.7	4290	77
2240	NMI 450L2L	686	2971	96.3	96.7	0.91	0.91	492	5.0	83	7200	0.5	2.4	15.6	4430	77
2400	NMI 450L2L	687	2971	96.3	96.7	0.90	0.91	532	4.4	86	7715	0.4	2.1	16.7	4600	77
2500	NMI 500L2L	688	2974	96.1	96.3	0.91	0.91	549	4.8	97	8027	0.4	2.4	24.0	5190	77
2800	NMI 500L2L	689	2974	96.2	96.5	0.92	0.92	612	4.7	92	8990	0.4	2.3	25.2	5360	77
3150	NMI 500L2L	690	2976	96.4	96.7	0.92	0.92	682	5.1	106	10107	0.4	2.4	28.4	5740	77
3550	NMI 500L2L	691	2975	96.5	96.8	0.92	0.93	769	4.7	109	11395	0.4	2.3	30.1	5960	77
3550	NMI 560L2L	692	2979	96.8	96.9	0.93	0.93	762	5.1	121	11379	0.4	2.4	48.6	8840	74
4000	NMI 560L2L	693	2975	96.7	96.9	0.93	0.93	856	5.0	116	12838	0.4	2.4	57.0	9530	74
4500	NMI 560L2L	694	2980	97.0	97.1	0.93	0.93	958	5.6	151	14418	0.5	2.6	58.2	9790	74
4900	NMI 560L2L	695	2981	97.0	97.1	0.93	0.93	1045	5.6	177	15697	0.4	2.7	60.8	10000	74
5400	NMI 560L2L	696	2981	97.1	97.2	0.93	0.92	1157	5.9	220	17297	0.4	2.9	64.7	10570	74
5800	NMI 560L2L	697	2980	97.1	97.3	0.93	0.93	1234	5.8	214	18587	0.4	2.8	65.4	10590	74
6200	NMI 630L2L	698	2981	96.9	96.9	0.93	0.93	1324	5.9	234	19862	0.5	2.9	113.6	12820	75
6900	NMI 630L2L	699	2979	96.9	97.0	0.93	0.93	1473	5.5	240	22115	0.4	2.7	118.0	13090	75
7500	NMI 630L2L	700	2982	97.1	97.1	0.93	0.93	1592	5.8	248	24020	0.5	2.8	124.9	13740	75
8000	NMI 630L2L	701	2981	97.1	97.2	0.93	0.93	1698	5.6	254	25625	0.5	2.7	129.2	14030	75

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1500 r/min = 4 poles																
3000 V 50 Hz																
250	NMI 355L4L	1768	1487	95.2	95.2	0.85	0.80	60	6.9	24	1606	1.1	3.2	6.5	2340	74
280	NMI 355L4L	1769	1485	95.2	95.3	0.86	0.82	66	6.3	24	1800	1.0	2.8	6.5	2340	74
315	NMI 355L4L	1770	1483	95.1	95.4	0.87	0.84	73	5.6	24	2028	0.8	2.5	6.5	2340	74
355	NMI 355L4L	1771	1483	95.1	95.2	0.83	0.78	86	7.0	38	2285	1.2	3.4	6.6	2340	74
400	NMI 355L4L	1772	1481	95.0	95.2	0.85	0.81	95	6.3	38	2579	1.1	3.0	6.6	2340	74
450	NMI 355L4L	1773	1480	95.2	95.5	0.87	0.83	105	6.1	37	2904	1.1	2.8	7.2	2450	74
500	NMI 355L4L	1774	1479	95.2	95.6	0.88	0.85	115	5.9	37	3228	1.0	2.7	7.7	2530	74
560	NMI 355L4L	1775	1478	95.3	95.8	0.88	0.86	128	5.8	39	3617	1.0	2.7	8.3	2630	74
630	NMI 355L4L	1776	1478	95.3	95.8	0.89	0.86	144	5.8	43	4071	1.1	2.6	8.8	2710	74
710	NMI 355L4L	1777	1478	95.5	95.9	0.89	0.86	162	5.9	49	4587	1.1	2.7	9.4	2820	74
800	NMI 355L4L	1778	1476	95.3	95.9	0.89	0.88	181	5.4	49	5174	0.9	2.5	9.3	2820	74
900	NMI 400L4L	702	1484	95.7	95.9	0.87	0.84	209	5.4	69	5793	0.7	2.5	14.0	3040	74
1000	NMI 400L4L	703	1482	95.6	96.0	0.89	0.87	227	4.9	58	6445	0.7	2.2	15.1	3140	74
1120	NMI 400L4L	704	1482	95.8	96.2	0.89	0.88	254	5.0	64	7217	0.7	2.2	16.2	3270	74
1250	NMI 400L4L	705	1483	95.9	96.3	0.89	0.87	283	5.2	75	8051	0.7	2.3	17.3	3380	74
1400	NMI 400L4L	2087	1484	96.0	96.4	0.88	0.86	319	5.6	94	9010	0.8	2.5	18.4	3500	74
1500	NMI 400L4L	706	1481	95.9	96.4	0.89	0.89	337	5.0	77	9669	0.7	2.2	19.5	3620	74
1600	NMI 450L4L	707	1484	95.8	96.1	0.88	0.87	364	5.1	95	10296	0.6	2.4	31.3	4220	75
1800	NMI 450L4L	708	1485	96.1	96.3	0.89	0.88	405	5.4	103	11578	0.6	2.5	35.3	4500	75
2000	NMI 450L4L	709	1484	96.0	96.3	0.89	0.88	450	5.3	112	12866	0.6	2.5	37.2	4610	75
2240	NMI 450L4L	710	1487	96.3	96.6	0.89	0.88	503	5.2	121	14386	0.6	2.3	40.8	4890	75
2380	NMI 450L4L	711	1486	96.2	96.6	0.88	0.87	541	4.6	128	15297	0.5	2.1	40.8	4910	75
2500	NMI 500L4L	712	1484	96.0	96.4	0.89	0.87	564	5.0	145	16090	0.6	2.4	48.0	5390	75
2800	NMI 500L4L	2095	1483	96.2	96.6	0.91	0.90	618	4.8	124	18032	0.5	2.2	53.8	5770	75
3150	NMI 500L4L	2096	1484	96.3	96.7	0.91	0.91	692	5.1	142	20273	0.6	2.4	59.9	6110	75
3550	NMI 500L4L	716	1486	96.6	96.8	0.89	0.87	793	6.2	222	22808	0.8	2.9	66.1	6490	75
3550	NMI 560L4L	717	1487	96.5	96.7	0.90	0.89	790	5.0	166	22799	0.6	2.3	97.0	8230	77
4100	NMI 560L4L	718	1488	96.7	96.9	0.89	0.88	916	5.2	201	26303	0.6	2.4	105.1	8700	77
4750	NMI 560L4L	719	1488	96.8	97.0	0.90	0.90	1046	5.4	220	30483	0.6	2.4	124.7	9630	77
5500	NMI 560L4L	720	1489	96.9	97.2	0.90	0.89	1217	5.1	254	35279	0.6	2.3	122.1	9580	77
6300	NMI 630L4L	721	1488	96.9	97.1	0.92	0.92	1363	4.8	217	40426	0.5	2.2	202.6	12300	78
7100	NMI 630L4L	722	1490	97.1	97.2	0.91	0.90	1548	5.6	315	45510	0.6	2.6	217.6	12860	78
7600	NMI 630L4L	723	1489	97.0	97.3	0.92	0.92	1643	5.1	279	48752	0.5	2.3	225.1	13140	78

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1000 r/min = 6 poles																
3000 V 50 Hz																
250	NMI 355L6L	1779	986	94.3	94.6	0.83	0.79	61	5.5	25	2420	1.1	2.5	8.7	2310	73
280	NMI 355L6L	1780	987	94.4	94.5	0.79	0.73	72	5.4	35	2708	1.0	2.5	8.6	2310	73
315	NMI 355L6L	1781	986	94.4	94.6	0.82	0.77	78	5.4	33	3051	1.1	2.4	8.7	2310	73
355	NMI 355L6L	1782	986	94.6	94.8	0.82	0.77	88	5.6	38	3437	1.2	2.5	9.5	2400	73
400	NMI 355L6L	1783	986	94.7	95.0	0.82	0.79	99	5.0	39	3874	0.9	2.2	11.0	2580	73
450	NMI 355L6L	1784	984	94.6	95.1	0.85	0.82	108	5.0	38	4367	1.0	2.2	11.1	2580	73
500	NMI 355L6L	1785	986	94.8	95.1	0.81	0.77	125	5.0	53	4842	1.0	2.2	11.8	2670	73
560	NMI 355L6L	1786	984	94.8	95.1	0.81	0.78	140	4.2	54	5436	0.7	1.9	11.8	2710	73
600	NMI 355L6L	1787	984	94.8	95.2	0.83	0.80	146	4.6	52	5824	0.9	2.0	12.7	2790	73
630	NMI 400L6L	725	986	94.8	95.2	0.86	0.84	149	4.7	47	6104	0.7	2.2	17.8	3040	73
710	NMI 400L6L	726	988	95.2	95.3	0.84	0.80	172	5.4	67	6865	0.8	2.5	19.2	3150	73
800	NMI 400L6L	727	986	95.1	95.5	0.84	0.81	192	5.0	69	7749	0.8	2.3	19.2	3160	73
900	NMI 400L6L	728	987	95.3	95.6	0.84	0.81	216	5.4	81	8707	0.9	2.5	21.9	3370	73
1000	NMI 400L6L	729	987	95.4	95.6	0.84	0.81	239	5.4	87	9677	0.9	2.5	23.2	3480	73
1120	NMI 400L6L	730	986	95.4	95.8	0.86	0.84	263	5.1	83	10849	0.8	2.3	25.9	3710	73
1250	NMI 450L6L	731	990	95.9	96.1	0.85	0.82	297	5.5	105	12060	0.8	2.4	39.4	4240	74
1400	NMI 450L6L	732	990	95.9	96.3	0.86	0.84	326	5.3	102	13509	0.7	2.3	44.0	4490	74
1600	NMI 450L6L	733	990	96.1	96.4	0.85	0.83	376	5.5	126	15436	0.8	2.4	46.6	4650	74
1800	NMI 450L6L	734	990	96.2	96.4	0.86	0.83	420	5.5	136	17368	0.8	2.4	51.3	4920	74
2000	NMI 500L6L	735	989	96.2	96.5	0.88	0.87	454	5.2	123	19305	0.8	2.3	68.7	5620	74
2240	NMI 500L6L	736	990	96.3	96.6	0.88	0.87	507	5.5	141	21609	0.8	2.4	76.9	5960	74
2500	NMI 500L6L	737	991	96.5	96.7	0.87	0.84	574	6.0	183	24092	0.9	2.6	84.8	6270	74
2800	NMI 500L6L	738	991	96.5	96.8	0.88	0.86	635	6.0	189	26988	1.0	2.6	93.2	6620	74
3150	NMI 560L6L	739	991	96.5	96.8	0.85	0.84	738	4.4	196	30340	0.5	2.0	120.9	8200	76
3550	NMI 560L6L	740	991	96.6	96.9	0.87	0.87	810	4.4	194	34223	0.5	2.0	134.0	8710	76
4000	NMI 560L6L	741	990	96.6	97.0	0.88	0.88	907	4.4	205	38574	0.5	2.0	145.6	9150	76
4400	NMI 560L6L	742	991	96.8	97.0	0.87	0.85	1007	5.2	274	42381	0.7	2.3	170.5	10010	76
5000	NMI 630L6L	743	994	97.0	97.2	0.87	0.85	1144	5.3	327	48047	0.6	2.4	254.5	12260	77
5600	NMI 630L6L	744	993	97.0	97.1	0.87	0.86	1270	5.4	343	53880	0.7	2.4	290.0	13140	77
6500	NMI 630L6L	745	993	97.1	97.3	0.86	0.85	1491	5.5	427	62478	0.7	2.4	323.5	14200	77

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
3000 r/min = 2 poles				6000 V 50 Hz												
250	NMI 355L2L	1720	2976	94.2	94.1	0.91	0.89	28	6.6	7	802	0.7	3.1	4.2	2310	76
280	NMI 355L2L	1721	2972	94.2	94.2	0.91	0.90	31	5.9	7	900	0.6	2.8	4.2	2310	76
315	NMI 355L2L	1722	2969	94.1	94.3	0.92	0.91	35	5.2	7	1013	0.5	2.4	4.2	2310	76
355	NMI 355L2L	1723	2971	94.1	94.4	0.91	0.90	40	5.4	9	1141	0.5	2.5	4.2	2300	76
400	NMI 355L2L	1724	2971	94.2	94.6	0.90	0.89	45	5.3	10	1286	0.5	2.5	4.2	2310	76
450	NMI 355L2L	1725	2970	94.3	94.7	0.90	0.88	51	5.3	13	1447	0.5	2.5	4.2	2310	76
500	NMI 355L2L	1726	2964	94.3	94.9	0.91	0.90	56	4.7	11	1611	0.5	2.2	4.2	2320	76
560	NMI 355L2L	1727	2970	94.9	95.2	0.90	0.89	63	5.5	16	1800	0.6	2.6	4.6	2410	76
630	NMI 355L2L	1728	2972	95.2	95.6	0.90	0.89	71	5.9	18	2024	0.7	2.8	4.9	2510	76
710	NMI 355L2L	1729	2972	95.4	95.7	0.91	0.89	79	5.9	19	2282	0.7	2.8	5.3	2600	76
800	NMI 355L2L	1730	2972	95.5	95.8	0.91	0.89	89	6.0	21	2570	0.7	2.8	5.7	2700	76
900	NMI 355L2L	1731	2966	95.3	95.8	0.92	0.92	99	5.1	17	2897	0.6	2.4	6.1	2790	76
1000	NMI 400L2L	83	2971	95.5	95.9	0.91	0.91	110	4.8	19	3214	0.5	2.2	9.4	3130	76
1120	NMI 400L2L	84	2972	95.7	96.0	0.92	0.91	123	5.0	21	3599	0.5	2.3	10.1	3250	76
1250	NMI 400L2L	85	2973	95.9	96.2	0.92	0.91	137	5.3	25	4015	0.6	2.4	10.9	3370	76
1400	NMI 400L2L	86	2974	96.1	96.4	0.92	0.92	152	5.6	25	4495	0.6	2.5	12.3	3600	76
1600	NMI 400L2L	87	2977	96.3	96.6	0.92	0.91	174	6.1	35	5133	0.7	2.8	13.0	3720	76
1700	NMI 400L2L	88	2975	96.3	96.5	0.92	0.91	185	5.8	35	5457	0.7	2.6	13.0	3710	76
1800	NMI 450L2L	195	2974	96.2	96.5	0.91	0.91	198	5.4	38	5779	0.5	2.6	14.7	4220	77
2000	NMI 450L2L	196	2974	96.3	96.6	0.91	0.91	219	5.5	42	6421	0.5	2.7	15.6	4370	77
2240	NMI 450L2L	197	2975	96.4	96.7	0.92	0.92	243	5.5	41	7190	0.6	2.6	17.3	4670	77
2580	NMI 450L2L	198	2977	96.6	96.8	0.91	0.91	283	5.2	53	8277	0.5	2.5	18.2	4850	77
2800	NMI 500L2L	294	2980	96.6	96.7	0.92	0.92	303	5.8	60	8974	0.5	2.8	27.5	5540	77
3150	NMI 500L2L	295	2981	96.7	96.9	0.92	0.91	342	5.9	68	10091	0.5	2.8	30.3	5900	77
3550	NMI 500L2L	296	2979	96.7	96.9	0.92	0.92	382	6.0	67	11380	0.5	2.9	35.2	6450	77
3780	NMI 500L2L	297	2980	96.8	96.9	0.93	0.93	403	6.1	67	12114	0.6	2.9	35.4	6450	77
4000	NMI 560L2L	420	2981	96.7	96.8	0.92	0.92	431	5.3	78	12814	0.4	2.6	53.4	9160	74
4500	NMI 560L2L	421	2981	96.9	97.0	0.93	0.92	481	5.8	87	14416	0.5	2.8	58.7	9680	74
5000	NMI 560L2L	422	2979	96.8	97.0	0.93	0.93	534	5.0	76	16030	0.4	2.4	60.7	9920	74
5600	NMI 560L2L	423	2979	97.0	97.2	0.93	0.93	596	5.3	90	17953	0.5	2.5	63.1	10210	74
6100	NMI 560L2L	10029	2980	97.2	97.4	0.93	0.94	646	5.1	83	19549	0.4	2.4	63.6	10590	74
6100	NMI 630L2L	2037	2983	96.8	96.9	0.94	0.95	643	5.6	74	19530	0.4	2.6	109.6	12530	75
7100	NMI 630L2L	550	2982	96.9	96.9	0.93	0.93	758	5.7	128	22737	0.4	2.7	125.4	13470	75
8000	NMI 630L2L	551	2980	96.9	97.0	0.93	0.93	855	5.2	131	25633	0.4	2.5	129.8	13740	75

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]	
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %										
1500 r/min = 4 poles				6000 V 50 Hz													
250	NMI 355L4L	1732	1483	94.3	94.7	0.88	0.86	29	5.4	9	1610	0.8	2.4	6.5	2310	74	
280	NMI 355L4L	1733	1481	94.4	94.7	0.88	0.85	33	6.0	11	1805	1.0	2.7	6.6	2320	74	
315	NMI 355L4L	1734	1483	94.4	94.9	0.87	0.84	37	5.4	12	2029	0.8	2.4	6.5	2310	74	
355	NMI 355L4L	1735	1480	94.2	94.8	0.88	0.86	41	4.8	12	2290	0.7	2.1	6.5	2310	74	
400	NMI 355L4L	1736	1478	94.3	94.8	0.87	0.84	47	5.4	15	2584	0.9	2.5	6.6	2320	74	
450	NMI 355L4L	1737	1480	94.6	95.1	0.87	0.84	53	5.9	18	2904	1.0	2.7	7.2	2400	74	
500	NMI 355L4L	1738	1479	94.7	95.2	0.88	0.85	58	5.8	19	3229	1.0	2.7	7.7	2490	74	
560	NMI 355L4L	1739	1478	94.8	95.4	0.89	0.86	64	5.7	20	3618	1.0	2.6	8.3	2590	74	
630	NMI 355L4L	1740	1478	94.9	95.4	0.89	0.87	72	5.7	22	4071	1.0	2.6	8.8	2680	74	
710	NMI 355L4L	1741	1478	95.0	95.5	0.89	0.86	81	5.8	24	4588	1.1	2.6	9.4	2770	74	
800	NMI 400L4L	2089	1483	95.3	95.7	0.88	0.87	91	5.1	25	5152	0.6	2.3	14.0	3000	74	
900	NMI 400L4L	89	1484	95.4	95.8	0.87	0.84	105	5.3	34	5793	0.7	2.5	14.0	3000	74	
1000	NMI 400L4L	90	1484	95.6	95.9	0.87	0.85	116	5.5	37	6435	0.7	2.5	15.1	3120	74	
1120	NMI 400L4L	91	1484	95.8	96.1	0.87	0.84	129	5.7	43	7205	0.8	2.6	16.2	3240	74	
1250	NMI 400L4L	92	1485	96.0	96.3	0.88	0.86	142	5.9	42	8041	0.8	2.6	18.4	3470	74	
1400	NMI 400L4L	2090	1486	96.1	96.3	0.86	0.83	162	6.4	57	8997	0.9	2.9	19.5	3580	74	
1500	NMI 400L4L	93	1484	96.0	96.4	0.89	0.87	169	5.8	47	9651	0.8	2.5	20.6	3700	74	
1600	NMI 450L4L	199	1486	95.9	96.1	0.87	0.85	184	5.8	57	10279	0.7	2.7	33.3	4330	75	
1700	NMI 450L4L	200	1487	95.9	96.1	0.87	0.85	196	6.0	62	10918	0.7	2.8	35.3	4420	75	
1800	NMI 450L4L	201	1487	96.0	96.2	0.89	0.87	203	5.5	55	11560	0.6	2.5	36.6	4550	75	
2000	NMI 450L4L	202	1486	96.1	96.3	0.89	0.87	226	5.9	64	12851	0.7	2.7	39.2	4730	75	
2240	NMI 450L4L	203	1484	96.1	96.4	0.89	0.88	252	5.2	61	14412	0.6	2.4	43.4	5030	75	
2340	NMI 450L4L	204	1487	96.3	96.6	0.88	0.87	266	5.0	69	15026	0.5	2.3	42.7	5010	75	
2800	NMI 500L4L	298	1484	96.2	96.4	0.89	0.87	315	5.5	84	18015	0.7	2.6	54.0	5720	75	
3150	NMI 500L4L	299	1485	96.3	96.6	0.89	0.87	353	6.0	97	20254	0.8	2.8	60.1	6060	75	
3550	NMI 500L4L	300	1486	96.5	96.8	0.90	0.88	395	6.0	105	22814	0.8	2.7	68.6	6580	75	
4000	NMI 560L4L	425	1487	96.4	96.7	0.90	0.90	443	5.0	93	25682	0.5	2.3	101.2	8370	77	
4500	NMI 560L4L	426	1490	96.8	97.0	0.90	0.89	499	5.5	115	28848	0.6	2.5	113.3	9040	77	
5000	NMI 560L4L	427	1490	96.8	97.1	0.90	0.89	552	5.6	125	32051	0.6	2.6	122.4	9490	77	
5600	NMI 560L4L	428	1489	96.9	97.1	0.90	0.89	615	5.8	139	35914	0.6	2.7	133.5	9960	77	
6000	NMI 560L4L	429	1489	97.0	97.2	0.91	0.90	657	5.9	146	38489	0.7	2.7	135.1	10130	77	
6300	NMI 630L4L	552	1490	96.9	97.1	0.90	0.89	694	5.5	151	40376	0.5	2.5	194.2	11920	78	
7100	NMI 630L4L	553	1490	97.0	97.1	0.91	0.90	775	5.6	159	45500	0.5	2.6	216.6	12720	78	
8000	NMI 630L4L	554	1492	97.2	97.3	0.90	0.89	878	5.8	195	51193	0.6	2.6	237.7	13760	78	

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1000 r/min =6 poles																
6000 V 50 Hz																
250	NMI 355L6L	1742	989	93.8	93.7	0.79	0.73	33	6.2	17	2414	1.2	2.9	8.7	2290	73
280	NMI 355L6L	1743	987	93.7	93.9	0.81	0.75	36	5.6	17	2708	1.1	2.5	8.7	2290	73
315	NMI 355L6L	1744	988	94.0	94.2	0.81	0.75	40	6.0	19	3045	1.2	2.7	9.5	2370	73
355	NMI 355L6L	1745	986	93.9	94.2	0.82	0.78	44	5.4	19	3438	1.1	2.4	9.5	2370	73
400	NMI 355L6L	1746	986	94.2	94.6	0.84	0.80	49	5.4	19	3874	1.1	2.3	11.1	2550	73
450	NMI 355L6L	1747	988	94.4	94.6	0.82	0.77	56	6.1	25	4351	1.3	2.7	11.9	2630	73
500	NMI 355L6L	1748	984	94.5	94.8	0.82	0.79	62	4.7	24	4850	0.9	2.1	11.1	2580	73
560	NMI 355L6L	1749	986	94.8	94.9	0.82	0.78	70	5.1	29	5424	1.0	2.3	12.7	2760	73
630	NMI 400L6L	96	987	94.8	95.1	0.85	0.82	75	5.1	26	6093	0.7	2.3	19.0	3110	73
710	NMI 400L6L	97	987	94.9	95.2	0.86	0.83	84	5.0	28	6868	0.7	2.3	20.4	3210	73
800	NMI 400L6L	98	987	95.1	95.4	0.85	0.82	95	5.3	33	7737	0.8	2.4	21.7	3330	73
900	NMI 400L6L	99	988	95.2	95.5	0.84	0.81	108	5.5	40	8701	0.9	2.5	23.0	3440	73
1000	NMI 400L6L	100	988	95.4	95.6	0.85	0.81	119	5.6	44	9665	0.9	2.6	25.7	3660	73
1120	NMI 450L6L	205	989	95.5	95.9	0.85	0.83	132	5.1	43	10809	0.7	2.2	36.7	4050	74
1250	NMI 450L6L	206	990	95.7	96.0	0.86	0.84	146	5.2	45	12063	0.7	2.2	41.6	4320	74
1400	NMI 450L6L	207	991	95.8	96.0	0.84	0.80	168	6.2	65	13486	0.9	2.7	46.6	4570	74
1600	NMI 450L6L	208	991	96.0	96.2	0.85	0.82	188	6.1	68	15418	0.9	2.7	51.4	4850	74
1710	NMI 450L6L	209	990	96.0	96.2	0.84	0.81	204	5.4	73	16493	0.8	2.4	51.3	4890	74
2000	NMI 500L6L	302	991	96.1	96.4	0.85	0.82	235	5.8	82	19271	0.9	2.5	67.6	5520	74
2240	NMI 500L6L	303	990	96.2	96.5	0.87	0.85	257	5.9	81	21599	0.9	2.6	76.4	5870	74
2500	NMI 500L6L	304	991	96.3	96.6	0.88	0.86	283	5.9	81	24096	0.9	2.5	87.9	6370	74
2650	NMI 500L6L	2042	991	96.4	96.7	0.88	0.85	302	5.9	91	25528	0.8	2.6	93.0	6560	74
2800	NMI 560L6L	430	991	96.2	96.6	0.87	0.86	322	4.5	83	26986	0.5	2.0	117.1	7940	76
3150	NMI 560L6L	431	991	96.3	96.7	0.87	0.86	361	4.7	95	30348	0.6	2.1	128.5	8370	76
3550	NMI 560L6L	432	993	96.6	96.9	0.87	0.85	406	5.2	115	34149	0.6	2.3	149.3	9230	76
4000	NMI 560L6L	433	992	96.7	96.9	0.87	0.86	456	5.4	128	38496	0.7	2.4	162.7	9670	76
4300	NMI 560L6L	434	992	96.7	96.9	0.88	0.86	486	5.7	134	41411	0.7	2.6	176.8	10110	76
4500	NMI 560L6L	435	991	96.8	97.0	0.88	0.86	508	5.8	144	43345	0.8	2.6	176.6	10250	76
5000	NMI 630L6L	555	994	96.9	97.1	0.87	0.85	572	5.3	163	48048	0.6	2.3	254.5	12170	77
5600	NMI 630L6L	556	994	97.0	97.2	0.87	0.85	642	5.6	190	53797	0.6	2.4	281.8	12970	77
6300	NMI 630L6L	557	994	97.0	97.2	0.87	0.85	720	5.4	204	60536	0.6	2.4	300.0	13510	77
6700	NMI 630L6L	558	994	97.1	97.3	0.86	0.85	768	5.6	225	64364	0.6	2.4	318.1	14050	77

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
3000 r/min = 2 poles																
10000 V 50 Hz																
280	NMI 355L2L	2065	2975	94.1	93.7	0.84	0.80	20	7.0	8	899	0.8	3.5	4.3	2320	76
315	NMI 355L2L	1698	2975	94.4	94.1	0.87	0.83	22	7.0	8	1011	0.8	3.4	4.7	2400	76
355	NMI 355L2L	1699	2971	94.4	94.3	0.88	0.85	25	6.3	8	1141	0.7	3.0	4.7	2400	76
400	NMI 355L2L	1700	2967	94.3	94.5	0.88	0.86	28	5.6	8	1287	0.6	2.7	4.7	2400	76
450	NMI 355L2L	2067	2962	94.2	94.6	0.89	0.87	31	5.0	8	1451	0.5	2.4	4.7	2400	76
500	NMI 355L2L	2069	2958	94.0	94.6	0.89	0.88	34	4.5	8	1614	0.5	2.1	4.7	2400	76
560	NMI 355L2L	2071	2964	94.2	94.8	0.90	0.90	38	4.6	8	1804	0.5	2.2	4.6	2400	76
560	NMI 400L2L	2084	2975	94.8	94.8	0.89	0.86	38	5.6	11	1797	0.5	2.7	6.6	2840	76
630	NMI 400L2L	2085	2977	94.9	95.0	0.89	0.87	43	5.7	12	2021	0.6	2.7	7.1	2930	76
710	NMI 400L2L	2086	2978	95.3	95.3	0.90	0.87	48	6.1	13	2276	0.6	2.8	7.7	3050	76
800	NMI 400L2L	10006	2975	95.2	95.4	0.90	0.89	54	5.5	13	2568	0.6	2.5	7.7	3050	76
900	NMI 400L2L	10007	2974	95.3	95.6	0.91	0.90	60	5.2	13	2890	0.5	2.4	8.3	3170	76
1000	NMI 400L2L	10008	2974	95.4	95.7	0.90	0.89	67	5.3	16	3211	0.6	2.4	8.3	3170	76
1120	NMI 400L2L	10009	2973	95.5	95.9	0.90	0.90	75	5.1	16	3597	0.6	2.4	8.9	3290	76
1250	NMI 400L2L	10010	2972	95.5	95.9	0.91	0.90	83	5.1	17	4016	0.6	2.3	9.4	3410	76
1330	NMI 400L2L	71	2974	95.8	96.1	0.91	0.90	88	5.4	18	4271	0.6	2.4	10.0	3530	76
1400	NMI 450L2L	182	2978	95.8	96.0	0.92	0.91	92	5.5	19	4489	0.4	2.7	14.7	4150	77
1600	NMI 450L2L	183	2977	96.0	96.2	0.92	0.91	105	5.4	20	5132	0.4	2.6	15.6	4300	77
1800	NMI 450L2L	184	2977	96.0	96.2	0.92	0.91	118	5.4	23	5774	0.4	2.6	16.6	4460	77
2000	NMI 450L2L	185	2977	96.1	96.4	0.92	0.91	130	5.6	26	6414	0.5	2.7	17.5	4610	77
2240	NMI 500L2L	277	2982	96.3	96.4	0.92	0.91	145	6.0	29	7173	0.5	2.9	27.0	5430	77
2500	NMI 500L2L	278	2982	96.2	96.3	0.93	0.92	162	5.6	29	8007	0.4	2.7	26.8	5430	77
2800	NMI 500L2L	279	2981	96.5	96.7	0.92	0.92	181	5.5	34	8970	0.4	2.6	28.3	5640	77
3150	NMI 500L2L	280	2981	96.6	96.7	0.92	0.92	204	5.5	37	10092	0.5	2.6	29.9	5880	77
3500	NMI 560L2L	388	2981	96.5	96.7	0.93	0.92	226	5.6	41	11210	0.4	2.7	48.3	8590	74
4000	NMI 560L2L	389	2981	96.6	96.8	0.93	0.93	257	5.5	41	12815	0.4	2.6	53.1	9080	74
4500	NMI 560L2L	390	2981	96.9	97.0	0.93	0.93	289	5.7	50	14416	0.5	2.7	57.9	9660	74
5000	NMI 560L2L	391	2978	96.8	97.0	0.93	0.94	319	5.0	43	16030	0.4	2.4	59.9	9910	74
5600	NMI 560L2L	392	2979	97.0	97.1	0.93	0.94	357	5.3	51	17949	0.4	2.5	64.7	10430	74
6300	NMI 630L2L	528	2982	96.7	96.7	0.93	0.93	404	5.9	71	20176	0.5	2.8	121.1	12980	75
7100	NMI 630L2L	529	2980	96.6	96.8	0.94	0.94	454	5.3	63	22755	0.4	2.5	129.8	13590	75

Modular induction motors, type NMI

Technical data

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

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1500 r/min = 4 poles																
10000 V 50 Hz																
315	NMI 355L4L	1707	1487	94.3	93.9	0.76	0.68	25	7.2	15	2023	1.2	3.8	7.2	2400	74
355	NMI 355L4L	1708	1486	94.4	94.2	0.78	0.72	28	6.6	15	2282	1.1	3.3	7.2	2400	74
400	NMI 355L4L	1709	1484	94.4	94.4	0.81	0.75	30	6.0	15	2575	1.0	3.0	7.2	2400	74
450	NMI 355L4L	1710	1481	94.3	94.5	0.82	0.77	33	5.5	15	2901	0.9	2.6	7.2	2400	74
500	NMI 355L4L	2077	1481	94.5	94.6	0.81	0.76	37	5.7	17	3224	0.8	2.8	7.7	2490	74
560	NMI 355L4L	1712	1482	94.7	94.8	0.83	0.78	41	6.0	18	3609	1.0	2.9	8.3	2560	74
600	NMI 355L4L	2078	1480	94.6	94.9	0.83	0.79	44	5.6	18	3870	0.9	2.7	8.3	2560	74
630	NMI 400L4L	2092	1486	94.8	94.9	0.87	0.84	44	6.0	15	4048	0.8	2.7	15.4	3050	74
710	NMI 400L4L	2093	1487	94.8	95.0	0.86	0.83	50	6.5	19	4559	0.9	2.9	16.5	3140	74
800	NMI 400L4L	72	1487	94.9	95.0	0.84	0.80	58	6.4	24	5137	0.9	3.0	16.5	3140	74
900	NMI 400L4L	73	1485	95.0	95.2	0.86	0.83	64	6.4	23	5787	1.0	2.9	17.9	3270	74
1000	NMI 400L4L	74	1485	95.3	95.5	0.86	0.82	71	6.4	25	6431	1.0	2.9	19.0	3400	74
1120	NMI 400L4L	75	1485	95.5	95.6	0.86	0.82	79	6.4	28	7204	1.1	2.9	20.2	3510	74
1250	NMI 400L4L	76	1488	95.7	95.8	0.84	0.79	90	6.8	37	8021	1.0	3.1	20.6	3610	74
1400	NMI 450L4L	186	1486	95.5	95.7	0.87	0.85	97	5.4	31	8999	0.6	2.5	27.2	4140	75
1600	NMI 450L4L	187	1486	95.8	95.9	0.87	0.84	111	5.9	37	10278	0.7	2.8	30.8	4430	75
1800	NMI 450L4L	188	1486	95.9	96.1	0.87	0.84	125	5.7	40	11567	0.7	2.7	32.5	4580	75
2000	NMI 450L4L	189	1486	96.0	96.3	0.87	0.85	138	5.4	41	12855	0.6	2.5	33.6	4730	75
2240	NMI 500L4L	282	1486	95.9	96.1	0.90	0.88	151	6.0	43	14393	0.7	2.8	53.7	5610	75
2500	NMI 500L4L	283	1487	96.0	96.2	0.89	0.87	168	5.8	46	16056	0.7	2.7	59.3	5910	75
2800	NMI 500L4L	284	1487	96.2	96.4	0.90	0.88	186	6.0	49	17985	0.7	2.7	62.3	6130	75
3150	NMI 560L4L	393	1490	96.4	96.5	0.88	0.86	215	5.8	61	20190	0.6	2.7	92.8	8280	77
3550	NMI 560L4L	394	1489	96.5	96.6	0.89	0.88	238	5.6	60	22761	0.6	2.6	101.1	8730	77
4000	NMI 560L4L	395	1488	96.6	96.8	0.90	0.90	265	5.2	55	25663	0.6	2.4	109.4	9200	77
4500	NMI 560L4L	396	1489	96.7	96.9	0.90	0.89	300	5.4	70	28865	0.6	2.5	113.5	9430	77
5300	NMI 560L4L	397	1488	96.9	97.1	0.88	0.87	357	5.4	89	34004	0.6	2.5	121.9	9990	77
5600	NMI 630L4L	2103	1491	96.8	96.9	0.91	0.90	369	5.3	72	35857	0.5	2.3	202.7	12280	78
6300	NMI 630L4L	2104	1492	96.9	97.1	0.90	0.90	417	5.5	87	40330	0.5	2.5	217.2	12850	78
7100	NMI 630L4L	2105	1492	97.1	97.2	0.90	0.89	469	5.8	100	45439	0.6	2.6	239.3	13690	78

Modular induction motors, type NMI

Technical data

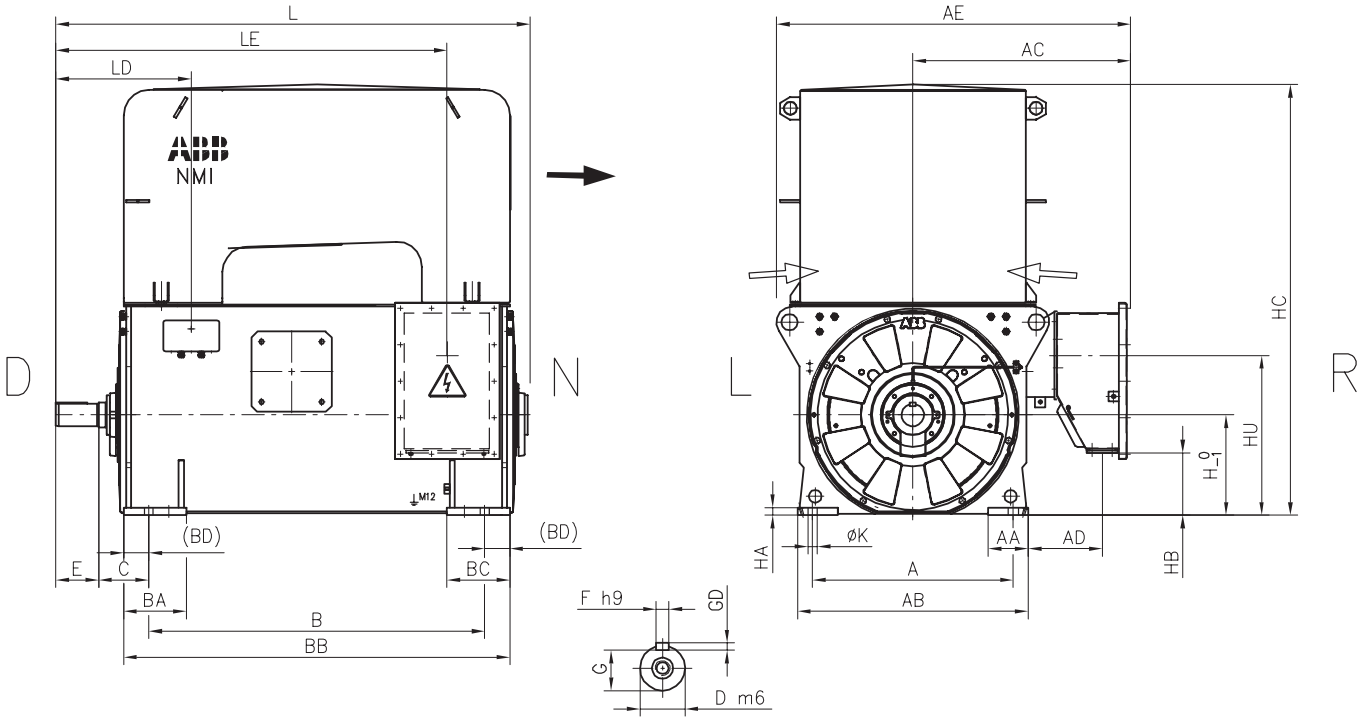
IP55, IC81W, insulation class F, temperature rise class B
10000 V, 50 Hz

Output [kW]	Motor type	Product ID	Speed [r/min]	Efficiency		Power factor		I_N [A]	I_s I_N [pu]	I_0 [A]	T_N [Nm]	T_s T_N [pu]	T_{max} T_N [pu]	Rotor inertia [kgm ²]	Motor weight [kg]	Sound pressure level L_p [dB(A)]
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %									
1000 r/min = 6 poles																
10000 V 50 Hz																
500	NMI 400L6L	77	992	94.4	94.3	0.80	0.74	38	5.7	18	4814	0.9	2.6	17.5	3230	73
560	NMI 400L6L	78	991	94.4	94.5	0.81	0.77	42	5.2	18	5398	0.8	2.3	17.5	3230	73
630	NMI 400L6L	79	990	94.5	94.7	0.82	0.79	47	4.9	18	6077	0.7	2.1	18.6	3340	73
710	NMI 400L6L	80	989	94.6	94.9	0.83	0.80	52	4.6	19	6858	0.7	2.0	18.6	3350	73
800	NMI 450L6L	190	991	95.0	95.2	0.84	0.80	58	5.5	22	7710	0.7	2.4	31.3	4030	74
900	NMI 450L6L	191	991	95.1	95.3	0.83	0.78	66	5.5	27	8674	0.7	2.5	31.3	4030	74
1000	NMI 450L6L	192	991	95.2	95.4	0.83	0.80	73	5.4	28	9640	0.7	2.4	33.3	4170	74
1120	NMI 450L6L	193	988	95.2	95.6	0.85	0.84	80	4.4	24	10820	0.6	2.0	35.3	4330	74
1250	NMI 450L6L	194	990	95.5	95.8	0.84	0.81	90	4.6	31	12058	0.6	2.1	39.0	4600	74
1400	NMI 500L6L	2126	991	95.6	95.8	0.87	0.84	97	5.8	32	13484	0.8	2.5	61.2	5140	74
1600	NMI 500L6L	286	992	95.7	96.0	0.86	0.83	112	5.9	39	15409	0.8	2.6	65.3	5310	74
1800	NMI 500L6L	287	992	95.9	96.2	0.87	0.84	124	6.2	42	17327	0.8	2.7	72.9	5630	74
2000	NMI 500L6L	288	991	95.8	96.2	0.89	0.87	136	5.3	36	19275	0.7	2.3	85.0	6100	74
2240	NMI 500L6L	289	991	96.1	96.4	0.87	0.85	155	5.4	46	21584	0.7	2.4	85.0	6160	74
2300	NMI 560L6L	398	991	95.9	96.1	0.86	0.83	162	5.1	50	22153	0.6	2.3	122.3	8060	76
2500	NMI 560L6L	399	990	95.8	96.1	0.88	0.87	172	4.6	44	24118	0.5	2.0	122.9	8080	76
2800	NMI 560L6L	400	992	96.1	96.3	0.85	0.82	198	5.4	66	26946	0.7	2.4	132.7	8480	76
3200	NMI 560L6L	401	993	96.4	96.6	0.84	0.81	228	5.4	78	30775	0.7	2.4	141.7	8920	76
3550	NMI 560L6L	402	991	96.4	96.6	0.86	0.83	248	5.3	78	34199	0.7	2.4	151.2	9210	76
4000	NMI 630L6L	533	994	96.7	96.8	0.87	0.85	274	5.6	82	38423	0.6	2.5	235.8	11540	77
4500	NMI 630L6L	534	994	96.8	96.9	0.87	0.85	309	5.9	95	43211	0.7	2.6	263.1	12300	77
5000	NMI 630L6L	535	994	96.8	97.0	0.87	0.85	342	5.8	102	48016	0.7	2.6	281.3	12830	77
5600	NMI 630L6L	536	994	97.0	97.1	0.86	0.84	386	6.0	121	53780	0.7	2.6	299.4	13440	77

Modular induction motors, type NMI

Dimension drawings

Antifriction bearing, IM 1001, IC01/IP24, NMI 355-500



NMI	Poles	A	B	C	D	E	F	G	H	K	L	AA	AB	AC	AC ¹⁾	AC ²⁾	AD	AD ¹⁾	AD ²⁾
355L	2	710	1250	190	85	170	22	76	355	35	1740	100	780	880	820	905	380	320	400
355L	≥4	710	1250	190	100	210	28	90	355	35	1780	100	780	880	820	905	380	320	400
400L	2	800	1340	200	90	170	25	81	400	36	1910	160	920	920	865	960	360	300	390
400L	≥4	800	1340	200	120	210	32	109	400	36	1950	160	920	920	865	960	360	300	390
450L	2	950	1400	250	100	210	28	90	450	42	2120	185	1070	975	915	1005	330	270	350
450L	≥4	950	1400	250	130	250	32	119	450	42	2160	185	1070	975	915	1005	330	270	350
500L	≥4	1000	1600	250	150	250	36	138	500	42	2380	190	1170	1025	960	1055	330	270	350

¹⁾ Dimension for 1<U_n≤6.6 kV

²⁾ Dimension for 6<U≤11 kV

NMI	Poles	AE	AE ¹⁾	AE ²⁾	BA	BB	BC	BD	GD	HA	HB	HB ¹⁾	HB ²⁾	HC	LD	LE	HU
355L	2	1365	1305	1390	225	1420	225	85	14	45	70	200	35	1480	510	1448	590
355L	≥4	1365	1305	1390	225	1420	225	85	16	45	70	200	35	1480	550	1488	590
400L	2	1475	1415	1495	250	1540	250	100	14	30	120	250	85	1720	540	1560	635
400L	≥4	1475	1415	1495	250	1540	250	100	18	30	120	250	85	1720	580	1600	635
450L	2	1570	1510	1600	270	1700	270	150	16	39	170	300	135	1870	610	1720	685
450L	≥4	1570	1510	1600	270	1700	270	150	18	39	170	300	135	1870	650	1760	685
500L	≥4	1670	1605	1695	280	1900	280	150	20	45	250	375	210	2065	675	2010	765

¹⁾ Dimension for 1<U_n≤6.6 kV

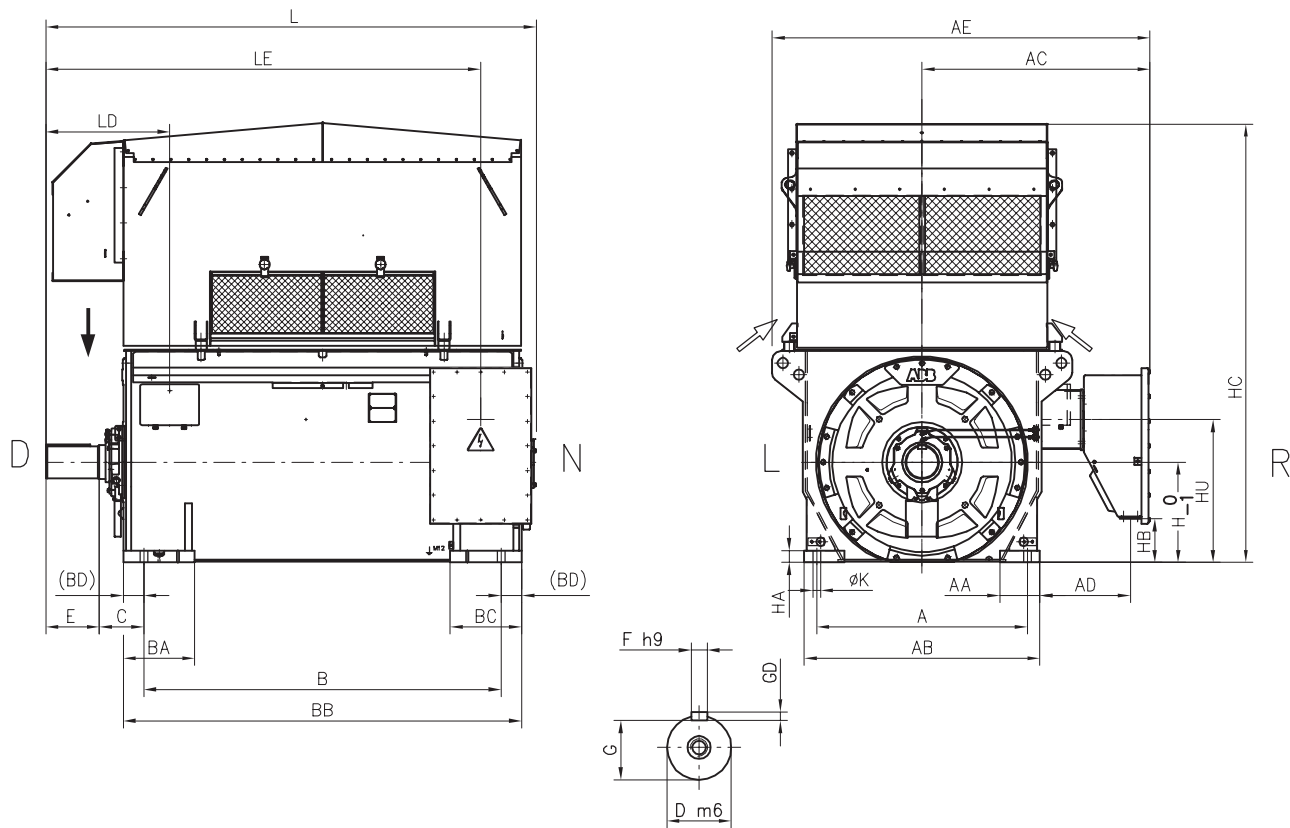
²⁾ Dimension for 6<U≤11 kV

Table gives main dimensions in mm.

Modular induction motors, type NMI

Dimension drawings

Antifriction bearing, IM 1001, IC01/IP24W, NMI 560-630



NMI	Poles	A	B	C	D	E	F	G	H	K	L	AA	AB	AC	AC ¹⁾	AD	AD ¹⁾
560L	≥4	1180	2000	250	180	300	45	165	560	42	2755	225	1320	1200	1275	425	510
630L	4	1400	2240	250	180	300	45	165	630	42	3010	200	1500	1285	1360	420	505
630L	≥6	1400	2240	250	200	350	45	185	630	42	3045	200	1500	1285	1360	420	505

¹⁾ Dimension for $6 < U \leq 11$ kV

NMI	Poles	AE	AE ¹⁾	BA	BB	BC	BD	GD	HA	HB	HB ¹⁾	HC	LD	LE	HU
560L	≥4	2040	2115	400	2230	400	115	25	65	410	245	2455	695	2435	800
630L	4	2220	2295	400	2470	400	115	25	65	560	395	2710	695	2435	950
630L	≥6	2220	2295	400	2470	400	115	25	65	560	395	2710	745	2485	950

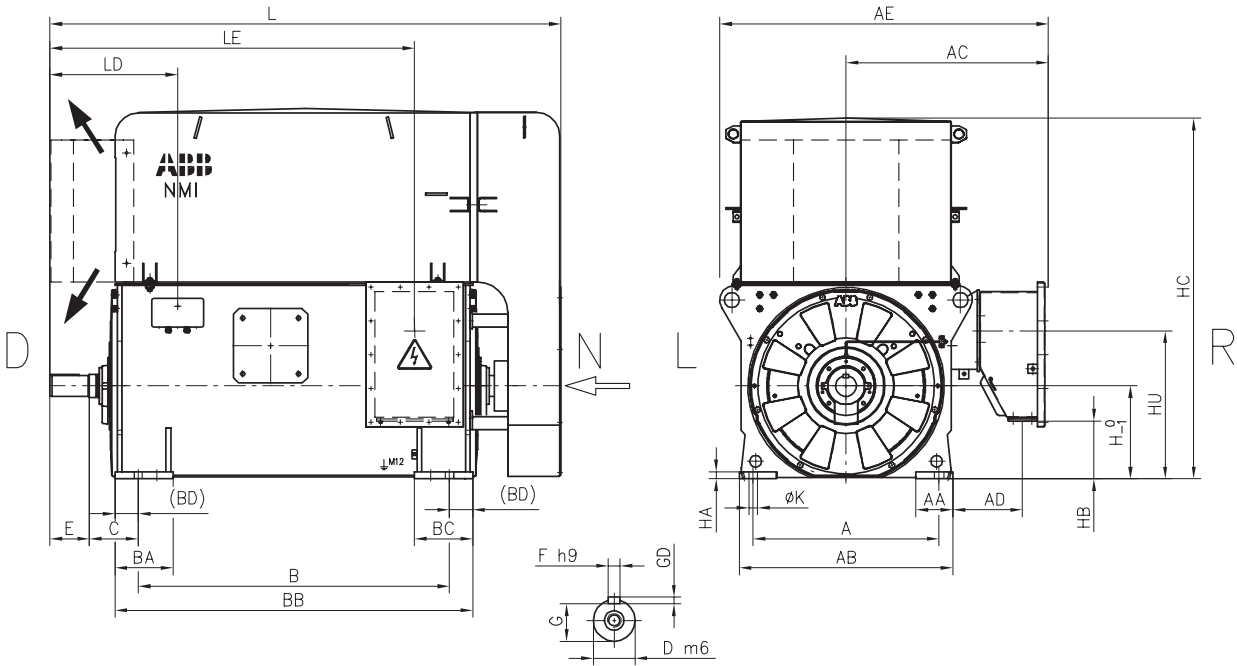
¹⁾ Dimension for $6 < U \leq 11$ kV

Table gives main dimensions in mm.

Modular induction motors, type NMI

Dimension drawings

Antifriction bearing, IM 1001, IC611/IP55, NMI 355-630



NMI	Poles	A	B	C	D	E	F	G	H	K	L	AA	AB	AC	AC ¹⁾	AC ²⁾	AD	AD ¹⁾	AD ²⁾
355L	2	710	1250	190	85	170	22	76	355	35	2090	100	780	880	820	905	380	320	400
355L	≥4	710	1250	190	100	210	28	90	355	35	2130	100	780	880	820	905	380	320	400
400L	2	800	1340	200	90	170	25	81	400	36	2200	160	920	920	865	960	360	300	390
400L	≥4	800	1340	200	120	210	32	109	400	36	2230	160	920	920	865	960	360	300	390
450L	2	950	1400	250	100	210	28	90	450	42	2430	185	1070	975	915	1005	330	270	350
450L	≥4	950	1400	250	130	250	32	119	450	42	2470	185	1070	975	915	1005	330	270	350
500L	≥4	1000	1600	250	150	250	36	138	500	42	2720	190	1170	1025	960	1055	330	270	350
560L	≥4	1180	2000	250	180	300	45	165	560	42	3455	225	1320	NA	1200	1285	NA	435	510
630L	4	1400	2240	250	180	300	45	165	630	42	3680	200	1500	NA	1285	1365	NA	430	510
630L	≥6	1400	2240	250	200	350	45	185	630	42	3730	200	1500	NA	1285	1365	NA	430	510

¹⁾ Dimension for $1 < U_n \leq 6.6$ kV

²⁾ Dimension for $6 < U \leq 11$ kV

NMI	Poles	AE	AE ¹⁾	AE ²⁾	BA	BB	BC	BD	GD	HA	HB	HB ¹⁾	HB ²⁾	HC	LD	LE	HU
355L	2	1365	1305	1390	225	1420	225	85	14	45	70	200	35	1430	510	1448	590
355L	≥4	1365	1305	1390	225	1420	225	85	16	45	70	200	35	1430	550	1488	590
400L	2	1475	1415	1495	250	1540	250	100	14	30	120	250	85	1595	540	1560	635
400L	≥4	1475	1415	1495	250	1540	250	100	18	30	120	250	85	1595	580	1600	635
450L	2	1570	1510	1600	270	1700	270	150	16	39	170	300	135	1740	610	1720	685
450L	≥4	1570	1510	1600	270	1700	270	150	18	39	170	300	135	1740	650	1760	685
500L	≥4	1670	1605	1695	280	1900	280	150	20	45	250	375	210	1930	675	2010	765
560L	≥4	NA	2040	2125	400	2230	400	115	25	65	NA	410	245	2170	695	2435	800
630L	4	NA	2215	2295	400	2470	400	115	25	65	NA	560	395	2380	695	2675	950
630L	≥6	NA	2215	2295	400	2470	400	115	25	65	NA	560	395	2380	745	2725	950

¹⁾ Dimension for $1 < U_n \leq 6.6$ kV

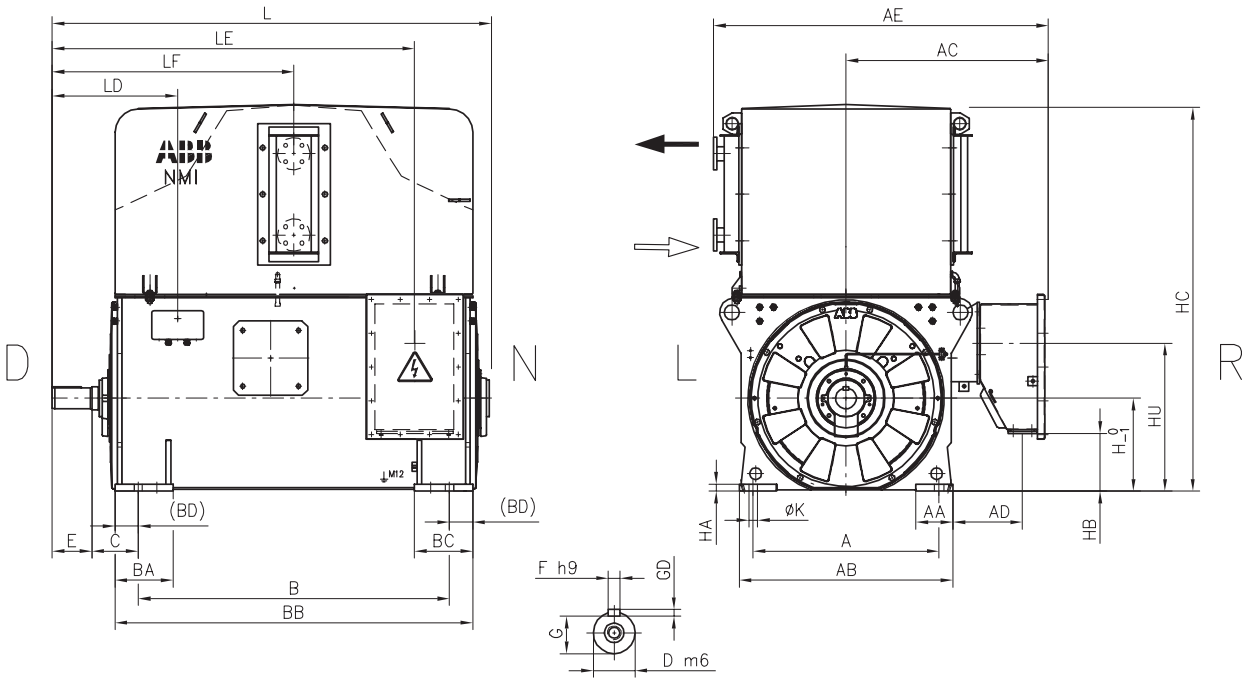
²⁾ Dimension for $6 < U \leq 11$ kV

Table gives main dimensions in mm.

Modular induction motors, type NMI

Dimension drawings

Antifriction bearing, IM 1001, IC81W/IP55, NMI 355-630



NMI	Poles	A	B	C	D	E	F	G	H	K	L	AA	AB	AC	AC ¹⁾	AC ²⁾	AD	AD ¹⁾	AD ²⁾
355L	2	710	1250	190	85	170	22	76	355	35	1740	100	780	880	820	905	380	320	400
355L	≥4	710	1250	190	100	210	28	90	355	35	1820	100	780	880	820	905	380	320	400
400L	2	800	1340	200	90	170	25	81	400	36	1910	160	920	920	865	960	360	300	390
400L	≥4	800	1340	200	120	210	32	109	400	36	1950	160	920	920	865	960	360	300	390
450L	2	950	1400	250	100	210	28	90	450	42	2120	185	1070	975	915	1005	330	270	350
450L	≥4	950	1400	250	130	250	32	119	450	42	2160	185	1070	975	915	1005	330	270	350
500L	≥4	1000	1600	250	150	250	36	138	500	42	2380	190	1170	1025	960	1055	330	270	350
560L	≥4	1180	2000	250	180	300	45	165	560	42	2750	225	1320	NA	1200	1285	NA	435	510
630L	4	1400	2240	250	180	300	45	165	630	42	3000	200	1500	NA	1285	1365	NA	430	510
630L	≥6	1400	2240	250	200	350	45	185	630	42	3035	200	1500	NA	1285	1365	NA	430	510

¹⁾ Dimension for $1 < U_n \leq 6.6$ kV
²⁾ Dimension for $6 < U \leq 11$ kV

NMI	Poles	AE	AE ¹⁾	AE ²⁾	BA	BB	BC	BD	GD	HA	HB	HB ¹⁾	HB ²⁾	HC	LD	LE	HU
355L	2	1365	1305	1390	225	1420	225	85	14	45	70	200	35	1680	510	1448	590
355L	≥4	1365	1305	1390	225	1420	225	85	16	45	70	200	35	1680	550	1488	590
400L	2	1495	1435	1530	250	1540	250	100	14	30	120	250	85	1665	540	1560	635
400L	≥4	1495	1435	1530	250	1540	250	100	18	30	120	250	85	1665	580	1600	635
450L	2	1600	1540	1620	270	1700	270	150	16	39	170	300	135	1870	610	1720	685
450L	≥4	1600	1540	1620	270	1700	270	150	18	39	170	300	135	1870	650	1760	685
500L	≥4	1700	1635	1730	280	1900	280	150	20	45	250	375	210	2065	675	2010	765
560L	≥4	NA	2040	2125	400	2230	400	115	25	65	NA	410	245	2225	695	2435	800
630L	4	NA	2215	2295	400	2470	400	115	25	65	NA	560	395	2330	695	2675	950
630L	≥6	NA	2215	2295	400	2470	400	115	25	65	NA	560	395	2330	745	2725	950

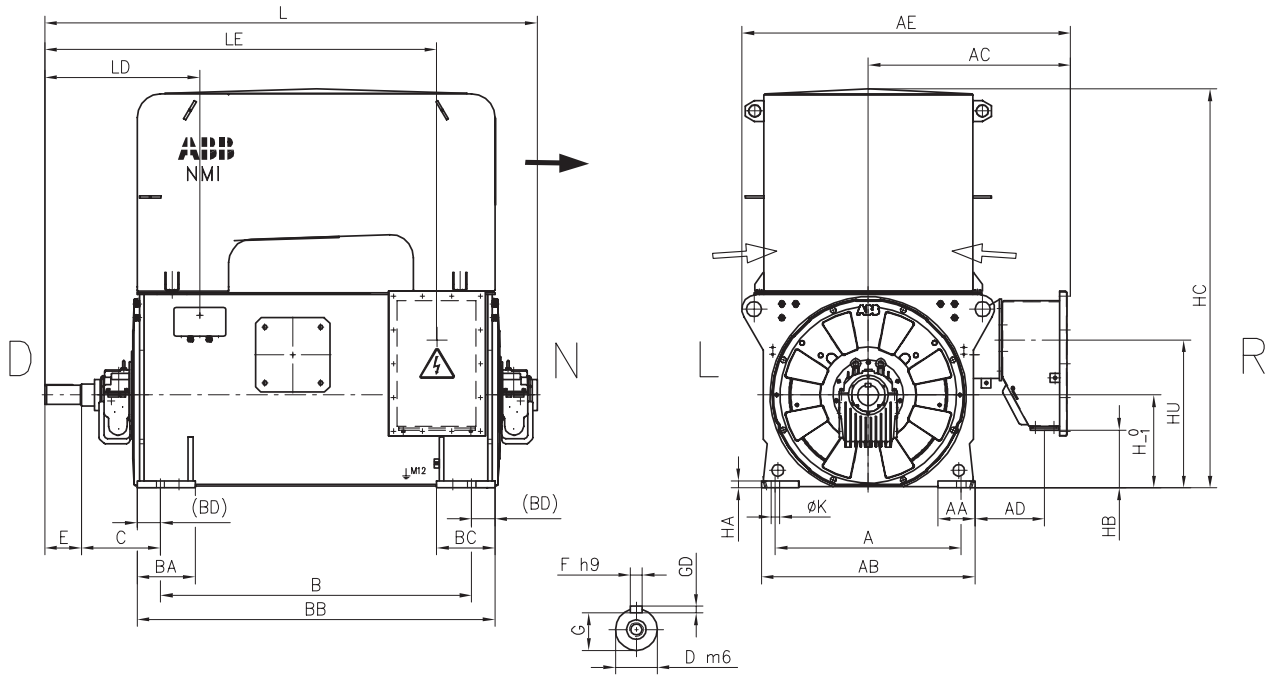
¹⁾ Dimension for $1 < U_n \leq 6.6$ kV
²⁾ Dimension for $6 < U \leq 11$ kV

Table gives main dimensions in mm.

Modular induction motors, type NMI

Dimension drawings

Sleeve bearing, IM 1001, IC01/IP24, NMI 400-500



NMI	Poles	A	B	C	D	E	F	G	H	K	L	AA	AB	AC	AC ¹⁾	AC ²⁾	AD	AD ¹⁾	AD ²⁾
400L	2	800	1340	375	90	170	25	81	400	36	2140	160	920	920	865	960	360	300	390
450L	2	950	1400	375	100	210	28	90	450	42	2280	185	1070	975	915	1005	330	270	350
500L	2	1000	1600	425	120	210	32	109	500	42	2560	190	1170	1025	960	1055	330	270	350
500L	≥4	1000	1600	450	150	250	36	138	500	42	2665	190	1170	1025	960	1055	330	270	350

¹⁾ Dimension for $1 < U_n \leq 6.6$ kV

²⁾ Dimension for $6 < U \leq 11$ kV

NMI	Poles	AE	AE ¹⁾	AE ²⁾	BA	BB	BC	BD	GD	HA	HB	HB ¹⁾	HB ²⁾	HC	LD	LE	HU
400L	2	1475	1415	1495	250	1540	250	100	14	30	120	250	85	1720	715	1735	635
450L	2	1570	1510	1600	270	1700	270	150	16	39	170	300	135	1870	735	1845	685
500L	2	1670	1605	1695	280	1900	280	150	18	45	250	375	210	2065	810	2145	765
500L	≥4	1670	1605	1695	280	1900	280	150	20	45	250	375	210	2065	875	2210	765

¹⁾ Dimension for $1 < U_n \leq 6.6$ kV

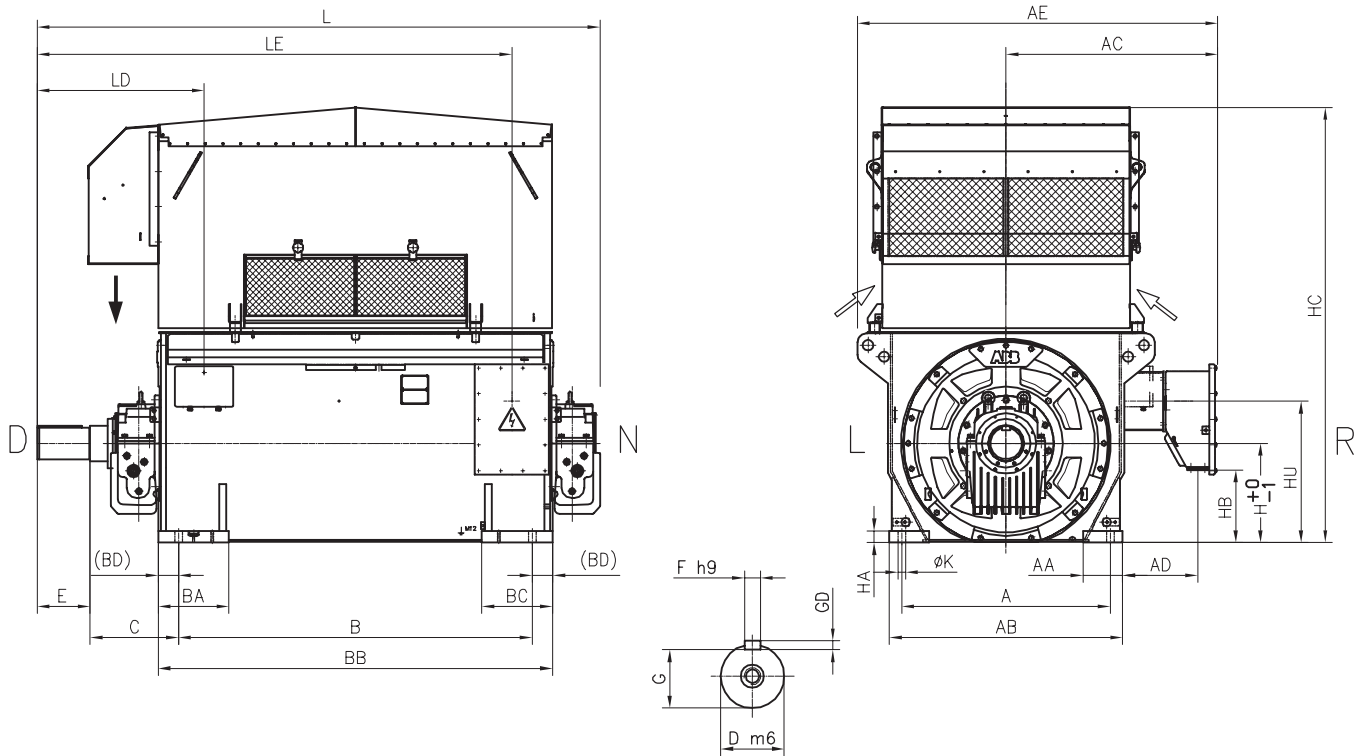
²⁾ Dimension for $6 < U \leq 11$ kV

Table gives main dimensions in mm.

Modular induction motors, type NMI

Dimension drawings

Sleeve bearing, IM 1001, IC01/IP24W, NMI 560-630



NMI	Poles	A	B	C	D	E	F	G	H	K	L	AA	AB	AC	AC ¹⁾	AD	AD ¹⁾
560L	2	1180	2000	400	140	250	36	128	560	42	2885	225	1320	1200	1275	425	510
630L	2	1400	2240	400	160	300	40	147	630	42	3165	200	1500	1285	1360	420	505
560L	4	1180	2000	500	180	300	45	165	560	42	3190	225	1320	1200	1275	425	510
560L	≥6	1180	2000	475	180	300	45	165	560	42	3125	225	1320	1200	1275	425	510
630L	4	1400	2240	500	180	300	45	165	630	42	3430	200	1500	1285	1360	420	505
630L	≥6	1400	2240	500	200	350	45	185	630	42	3480	200	1500	1285	1360	420	505

¹⁾ Dimension for 1<U≤11 kV

NMI	Poles	AE	AE ¹⁾	BA	BB	BC	BD	GD	HA	HB	HB ¹⁾	HC	LD	LE	HU
560L	2	2040	2115	400	2230	400	115	20	65	410	245	2450	795	2535	800
630L	2	2220	2295	400	2470	400	115	22	65	560	395	2710	845	2585	950
560L	4	2040	2115	400	2230	400	115	25	65	410	245	2465	945	2685	800
560L	≥6	2040	2115	400	2230	400	115	25	65	410	245	2465	920	2660	800
630L	4	2220	2295	400	2470	400	115	25	65	560	395	2710	945	2685	950
630L	≥6	2220	2295	400	2470	400	115	25	65	560	395	2710	995	2735	950

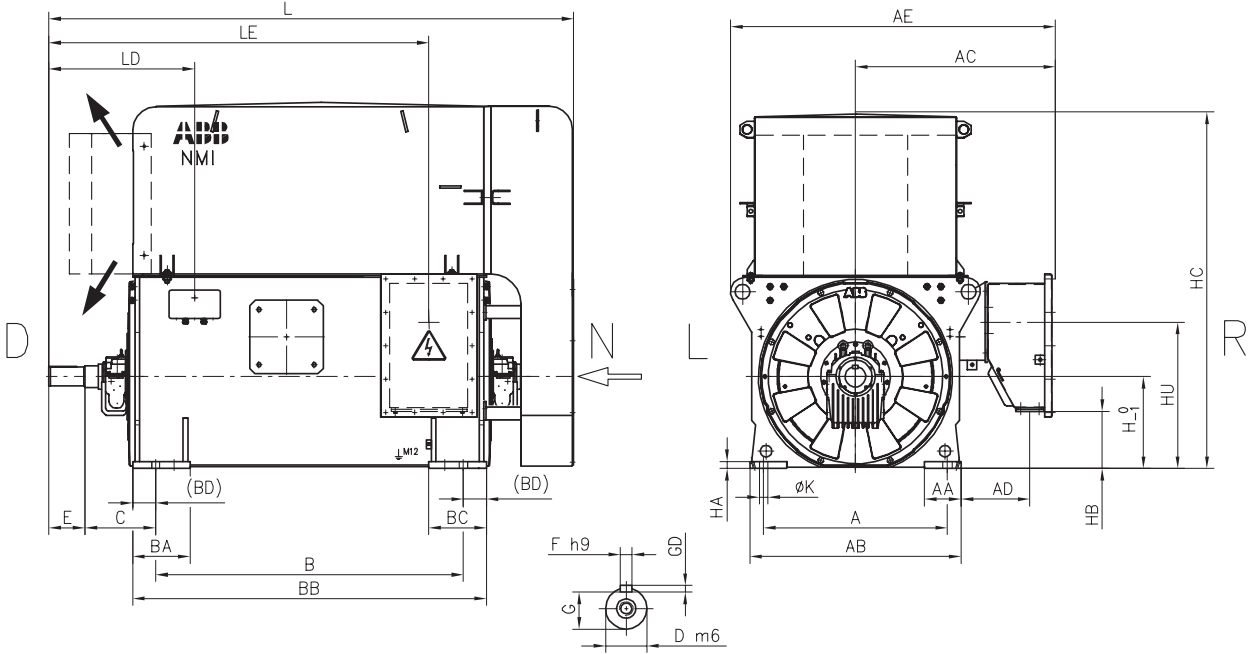
¹⁾ Dimension for 1<U≤11 kV

Table gives main dimensions in mm.

Modular induction motors, type NMI

Dimension drawings

Sleeve bearing, IM 1001, IC611/IP55, NMI 400-630



NMI	Poles	A	B	C	D	E	F	G	H	K	L	AA	AB	AC	AC ¹⁾	AC ²⁾	AD	AD ¹⁾	AD ²⁾
400L	2	800	1340	375	90	170	25	81	400	36	2370	160	920	920	865	960	360	300	390
450L	2	950	1400	375	100	210	28	90	450	42	2560	185	1070	975	915	1005	330	270	350
500L	2	1000	1600	425	120	210	32	109	500	42	2855	190	1170	1025	960	1055	330	270	350
500L	≥4	1000	1600	450	150	250	36	138	500	42	2920	190	1170	1025	960	1055	330	270	350
560L	2	1180	2000	400	140	250	36	128	560	42	3945	225	1320	NA	1200	1285	NA	435	510
560L	4	1180	2000	500	180	300	45	165	560	42	3705	225	1320	NA	1200	1285	NA	435	510
560L	≥6	1180	2000	475	180	300	45	165	560	42	3680	225	1320	NA	1200	1285	NA	435	510
630L	2	1400	2240	400	160	300	40	147	630	42	4285	200	1500	NA	1285	1365	NA	430	510
630L	4	1400	2240	500	180	300	45	165	630	42	3930	200	1500	NA	1285	1365	NA	430	510
630L	≥6	1400	2240	500	200	350	45	185	630	42	3980	200	1500	NA	1285	1365	NA	430	510

¹⁾ Dimension for 1<U_n≤6.6 kV

²⁾ Dimension for 6<U≤11 kV

NMI	Poles	AE	AE ¹⁾	AE ²⁾	BA	BB	BC	BD	GD	HA	HB	HB ¹⁾	HB ²⁾	HC	LD	LE	HU
400L	2	1475	1415	1495	250	1540	250	100	14	30	120	250	85	1595	715	1735	635
450L	2	1570	1510	1600	270	1700	270	150	16	39	170	300	135	1740	735	1845	685
500L	2	1670	1605	1695	280	1900	280	150	18	45	250	375	210	1930	810	2145	765
500L	≥4	1670	1605	1695	280	1900	280	150	20	45	250	375	210	1930	875	2210	765
560L	2	NA	2040	2125	400	2230	400	115	20	65	NA	410	245	2170	795	2535	800
560L	4	NA	2040	2125	400	2230	400	115	25	65	NA	410	245	2170	945	2685	800
560L	≥6	NA	2040	2125	400	2230	400	115	25	65	NA	410	245	2170	920	2660	800
630L	2	NA	2215	2295	400	2470	400	115	22	65	NA	560	395	2380	845	2825	950
630L	4	NA	2215	2295	400	2470	400	115	25	65	NA	560	395	2380	945	2925	950
630L	≥6	NA	2215	2295	400	2470	400	115	25	65	NA	560	395	2380	995	2975	950

¹⁾ Dimension for 1<U_n≤6.6 kV

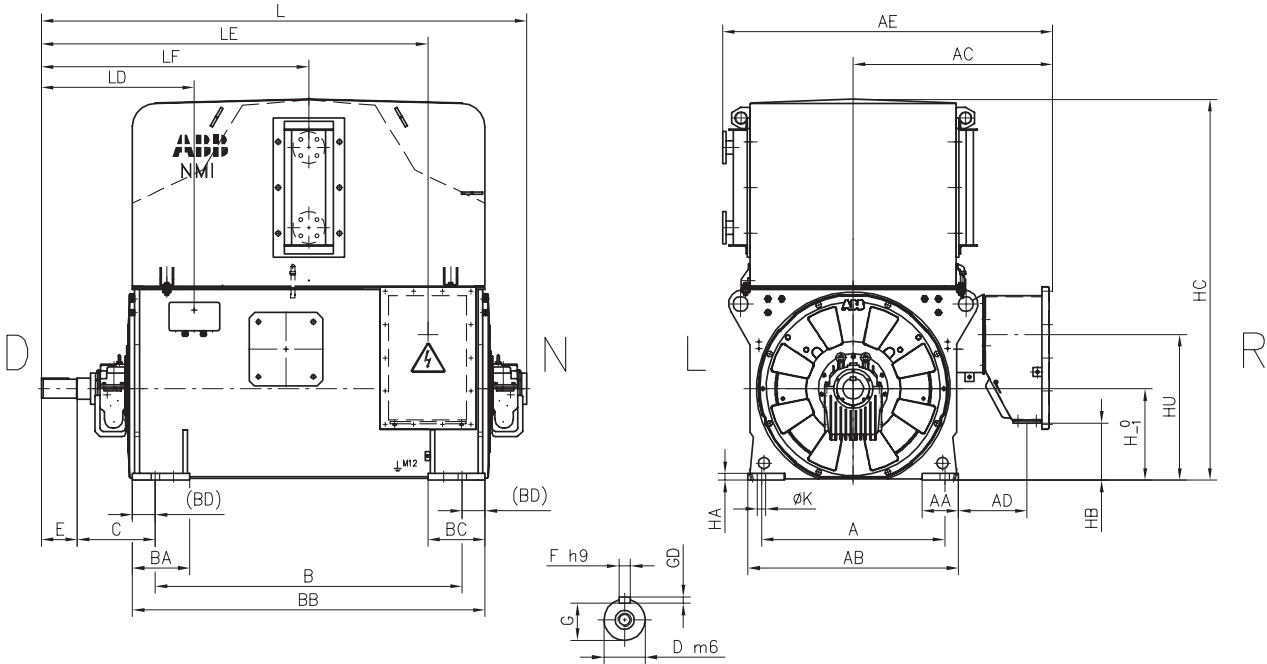
²⁾ Dimension for 6<U≤11 kV

Table gives main dimensions in mm.

Modular induction motors, type NMI

Dimension drawings

Sleeve bearing, IM 1001, IC81W/IP55, NMI 400-630



NMI	Poles	A	B	C	D	E	F	G	H	K	L	AA	AB	AC	AC ¹⁾	AC ²⁾	AD	AD ¹⁾	AD ²⁾
400L	2	800	1340	375	90	170	25	81	400	36	2140	160	920	920	865	960	360	300	390
450L	2	950	1400	375	100	210	28	90	450	42	2280	185	1070	975	915	1005	330	270	350
500L	2	1000	1600	425	120	210	32	109	500	42	2560	190	1170	1025	960	1055	330	270	350
500L	≥4	1000	1600	450	150	250	36	138	500	42	2665	190	1170	1025	960	1055	330	270	350
560L	2	1180	2000	400	140	250	36	128	560	42	2985	225	1320	NA	1200	1285	NA	435	510
560L	4	1180	2000	500	180	300	45	165	560	42	3190	225	1320	NA	1200	1285	NA	435	510
560L	≥6	1180	2000	475	180	300	45	165	560	42	3120	225	1320	NA	1200	1285	NA	435	510
630L	2	1400	2240	400	160	300	40	147	630	42	3240	200	1500	NA	1285	1365	NA	430	510
630L	4	1400	2240	500	180	300	45	165	630	42	3425	200	1500	NA	1285	1365	NA	430	510
630L	≥6	1400	2240	500	200	350	45	185	630	42	3475	200	1500	NA	1285	1365	NA	430	510

¹⁾ Dimension for 1<U_n≤6.6 kV

²⁾ Dimension for 6<U≤11 kV

NMI	Poles	AE	AE ¹⁾	AE ²⁾	BA	BB	BC	BD	GD	HA	HB	HB ¹⁾	HB ²⁾	HC	LD	LE	LF	HU
400L	2	1495	1435	1530	250	1540	250	100	14	30	120	250	85	1665	715	1735	1215	635
450L	2	1600	1540	1620	270	1700	270	150	16	39	170	300	135	1870	735	1845	1285	685
500L	2	1700	1635	1730	280	1900	280	150	18	45	250	375	210	2065	810	2145	1435	765
500L	≥4	1700	1635	1730	280	1900	280	150	20	45	250	375	210	2065	875	2210	1500	765
560L	2	NA	2040	2125	400	2230	400	115	20	65	NA	410	245	2415	795	2535	1425	800
560L	4	NA	2040	2125	400	2230	400	115	25	65	NA	410	245	2225	945	2685	1800	800
560L	≥6	NA	2040	2125	400	2230	400	115	25	65	NA	410	245	2225	920	2660	1775	800
630L	2	NA	2215	2295	400	2470	400	115	22	65	NA	560	395	2380	845	2825	1545	950
630L	4	NA	2215	2295	400	2470	400	115	25	65	NA	560	395	2330	945	2925	1920	950
630L	≥6	NA	2215	2295	400	2470	400	115	25	65	NA	560	395	2330	995	2975	1970	950

¹⁾ Dimension for 1<U_n≤6.6 kV

²⁾ Dimension for 6<U≤11 kV

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 and 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 and 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 for reactive power compensation

Mechanical power transmission components, bearings, gearings

- Mounted bearings
- Enclosed gearing
- Mechanical drive components
- Couplings
- Sheaves and bushings
- Conveyor components
- Geared motor units

Life cycle services

Life cycle services and support

From pre-purchase to migration and upgrades

ABB offers a complete portfolio of services to ensure trouble-free operation and long product lifetimes. These services cover the entire life cycle. Local support is provided through a global network of ABB service centers and certified partners.



Pre-purchase



ABB's front-end sales organization can help customers to quickly and efficiently select, configure and optimize the right motor for their application.

Installation and commissioning



Professional installation and commissioning by ABB's certified engineers represent an investment in availability and reliability over the entire life cycle.

Engineering and consulting



ABB's experts provide energy efficiency and reliability appraisals, advanced condition and performance assessments and technical studies.

Condition Monitoring and Diagnosis



Unique services provide early warnings before failures occur. Data can be collected by an engineer on-site or by remote monitoring. With the ABB Ability™ platform data can be transmitted to the cloud and accessed and analyzed remotely, allowing even greater insight into the health of the equipment. The services focus on the bearings, rotor winding, stator winding insulation and overall mechanical condition.

Maintenance and field services



ABB offers life cycle management plans and preventive maintenance products. The recommended four-level maintenance program covers the entire product lifetime.

Spare parts



Spare parts and support are offered throughout the life cycle of ABB products. In addition to individual spares, tailored spare part packages are also available.

Repair and refurbishment



Support for all ABB motors and other brands is provided by ABB's global service organization. Specialist teams can also deliver emergency support.

Migration and upgrades



Life cycle audits determine the optimum upgrades and migration paths. Upgrades range from individual components to direct replacement motors.

Training



Product and service training courses take a practical approach. The training ranges from standard courses to specially tailored programs to suit customer requirements.

Specialized support



Specialized support is offered through ABB's global service organization. Local units provide major and minor repairs as well as overhauls and reconditioning.

Service contracts



Service contracts are tailored to the customer's needs. The contracts combine ABB's entire service portfolio and 120 years of experience to deploy the optimal service practices.



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For more information and contact details:

new.abb.com/motors-generators

MachSize online selection tool

