



Catalog

High voltage induction motors

Technical catalog for IEC motors

Power and productivity
for a better world™



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



High voltage induction motors

From 100 to 8000 kW

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ABB reserves the right to change the design, technical specification and dimensions without prior notice.

General information

This catalog includes two sections: standard, and engineered. The availability of standard motors is shown in the Section 1. Standard motors of up to 750 kW are available with the electrical and mechanical design characteristics as shown in this catalog.

Section 2 presents ABB's high voltage engineered induction motor range of up to 8000 kW. Engineered motors are made according to customers' specifications. This section includes preliminary standard technical data and drawings of engineered motors. All the engineered motors are configured and optimized for each order and application.

High voltage Process performance cast iron motors

Totally enclosed squirrel cage three phase high voltage motors

Sizes 315 - 450, 110 to 750 kW



www.abb.com/motors&generators

- > Motors
- >> High voltage motors
- >>> Process performance
cast iron motors, 315-450



Mechanical design

This is a standard motor catalogue with limited optional features and accessories. In case you need an engineered

cast iron motor, please contact your local ABB Sales office for further information.

Stator frame

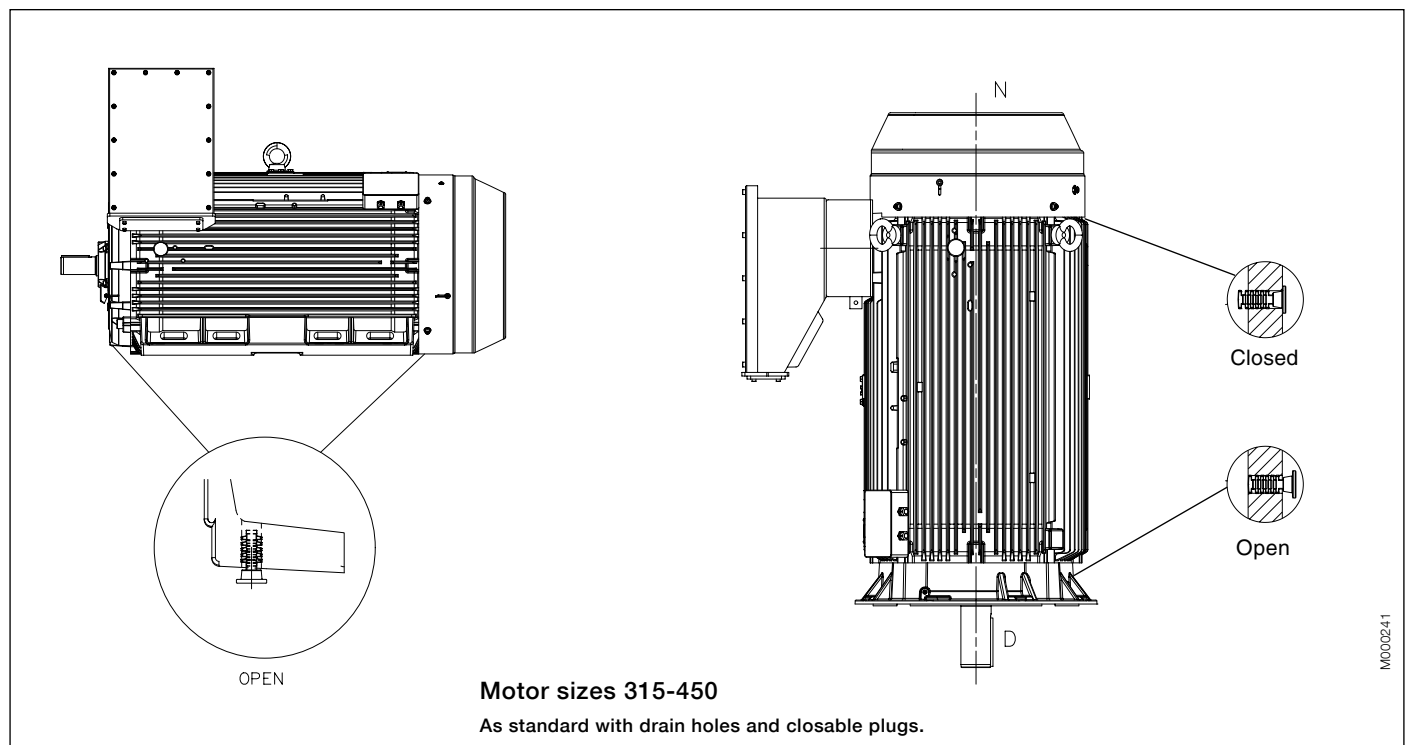
The motor frames including feet and bearing housing are made of cast iron. Terminal box is made of structural steel. Integrally cast feet allow a very rigid mounting and minimal vibration.

Motors can be supplied for foot mounting (horizontal), foot and flange mounting (horizontal) or flange mounting (vertical, available for 4-8 pole only).

Drain holes

All the high voltage motors are fitted with drain holes and closable plugs. The drain hole plugs are open on delivery and users must ensure that the drain holes face downward when mounting the motors.

For applications with a vertical mounting, the upper plug must be hammered home completely. In very dusty environments, both plugs should be hammered home.



Terminal boxes

The high voltage terminal box up to 6.6 kV is shown below.
The main technical data are listed below.

Technical data:

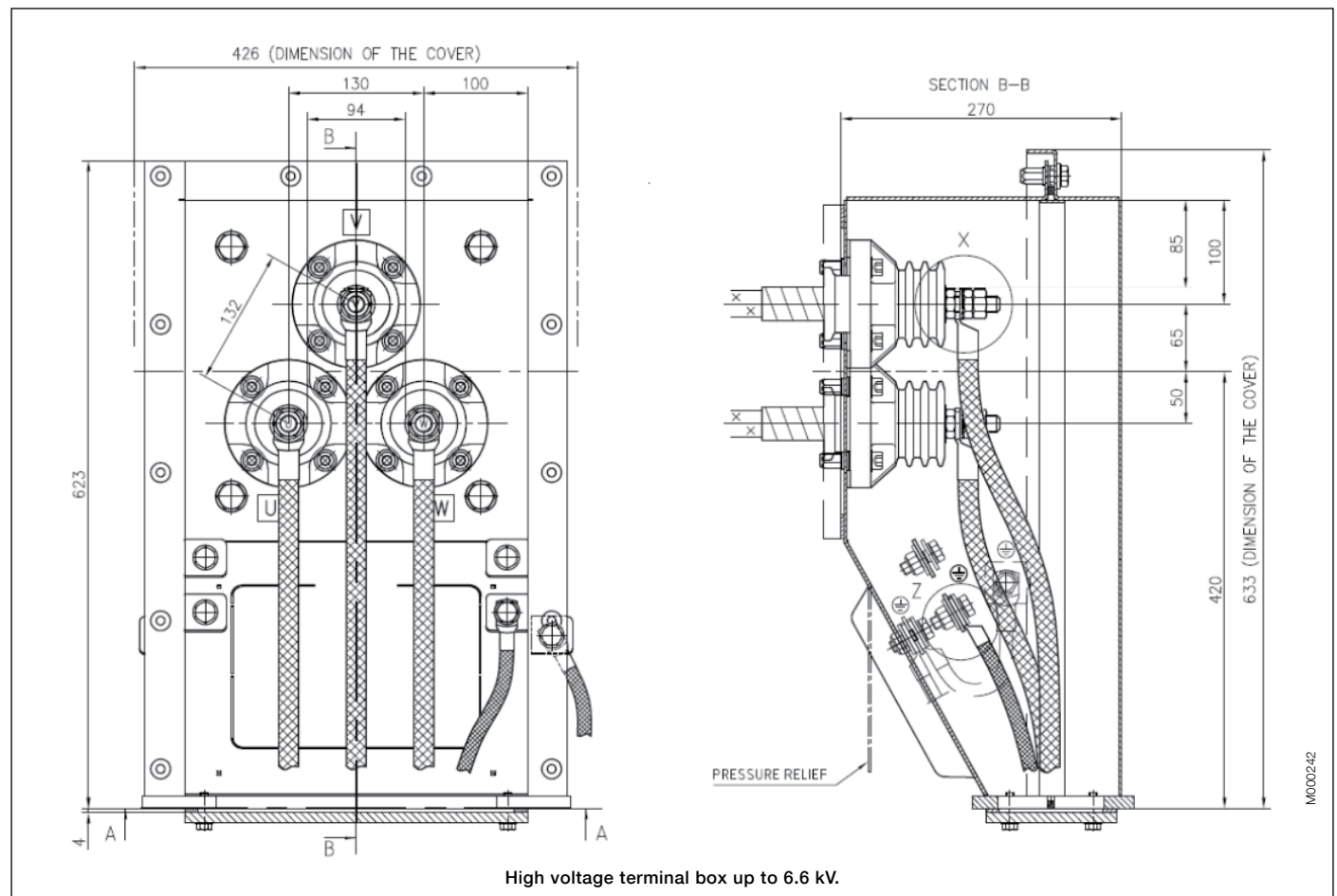
Voltage (max.)	6.6 kV
Current (max.)	400 A
No of cables (max.)	1 per phase
Cross section of cables (max.)	300 mm ² /cable
Cable gland	blind gland (1 pcs)
Clearance (min.)	60 mm
Creepage (min.)	89 mm
Gross volume	44 dm ³
Usable volume	39 dm ³
Connection screws	M16 (3 pcs)
Connection nuts tightening torque	40 Nm
Ground connections	M12 (both in- and outside)
Weight	33 kg
Protection	IP 66
Standard	DIN 42962 TEIL 1, A2
Dynamic short circuit current	30 kA rms x 0.25 s/ 75 kA peak

Materials:

Box	welded structural steel (thickness min. 3 mm)
Cable gland plate	steel
Connection screws	Bronze Bz
Isolators	epoxy casting resin or polyurethane resin
Grounding pad	stainless steel

Other features:

- rigid welded construction
- ample size for making connections of supply cables
- box turnable to allow cable entry from left or right side
- box turnable in steps of 90°
- either 3-phase or 1-phase cables can be connected
- pressure relief plate in the bottom of the box in case of an arching short circuit



The high voltage terminal box up to 11 kV is shown below.
The main technical data are listed below.

Technical data:

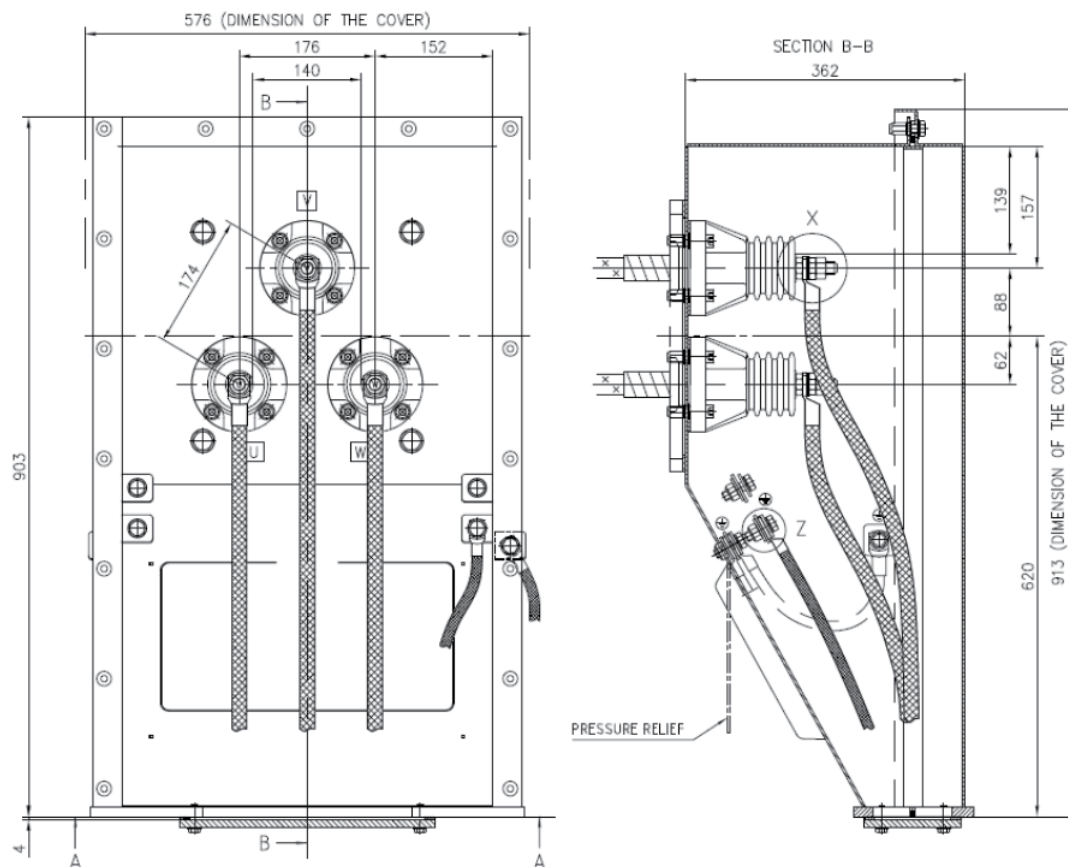
Voltage (max.)	11 kV
Current (max.)	400 A
No of cables (max.)	1 per phase
Cross section of cables (max.)	300 mm ² /cable
Cable gland	blind gland (1 pcs)
Clearance (min.)	100 mm
Creepage (min.)	163 mm
Gross volume	123 dm ³
Usable volume	117 dm ³
Connection screws	M16 (3 pcs)
Connection nuts tightening torque	40 Nm
Ground connections	M12 (both in- and outside)
Weight	62 kg
Protection	IP 66
Standard	DIN 42962 TEIL 2, C2
Dynamic short circuit current	30 kA rms x 0.25 s/ 75 kA peak

Materials:

Box	welded structural steel (thickness min. 3 mm)
Cable gland plate	steel
Connection screws	Bronze Bz
Isolators	epoxy casting resin or polyurethane resin
Grounding pad	stainless steel

Other features:

- rigid welded construction
- ample size for making connections of supply cables
- box turnable to allow cable entry from left or right side
- box turnable in steps of 90°
- either 3-phase or 1-phase cables can be connected
- pressure relief plate in the bottom of the box in case of an arching short circuit



High voltage terminal box up to 11 kV.

M000333

The high voltage star point terminal box up to 6.6 kV is shown below (option, variant code 750). The main technical data are listed below.

Technical data:

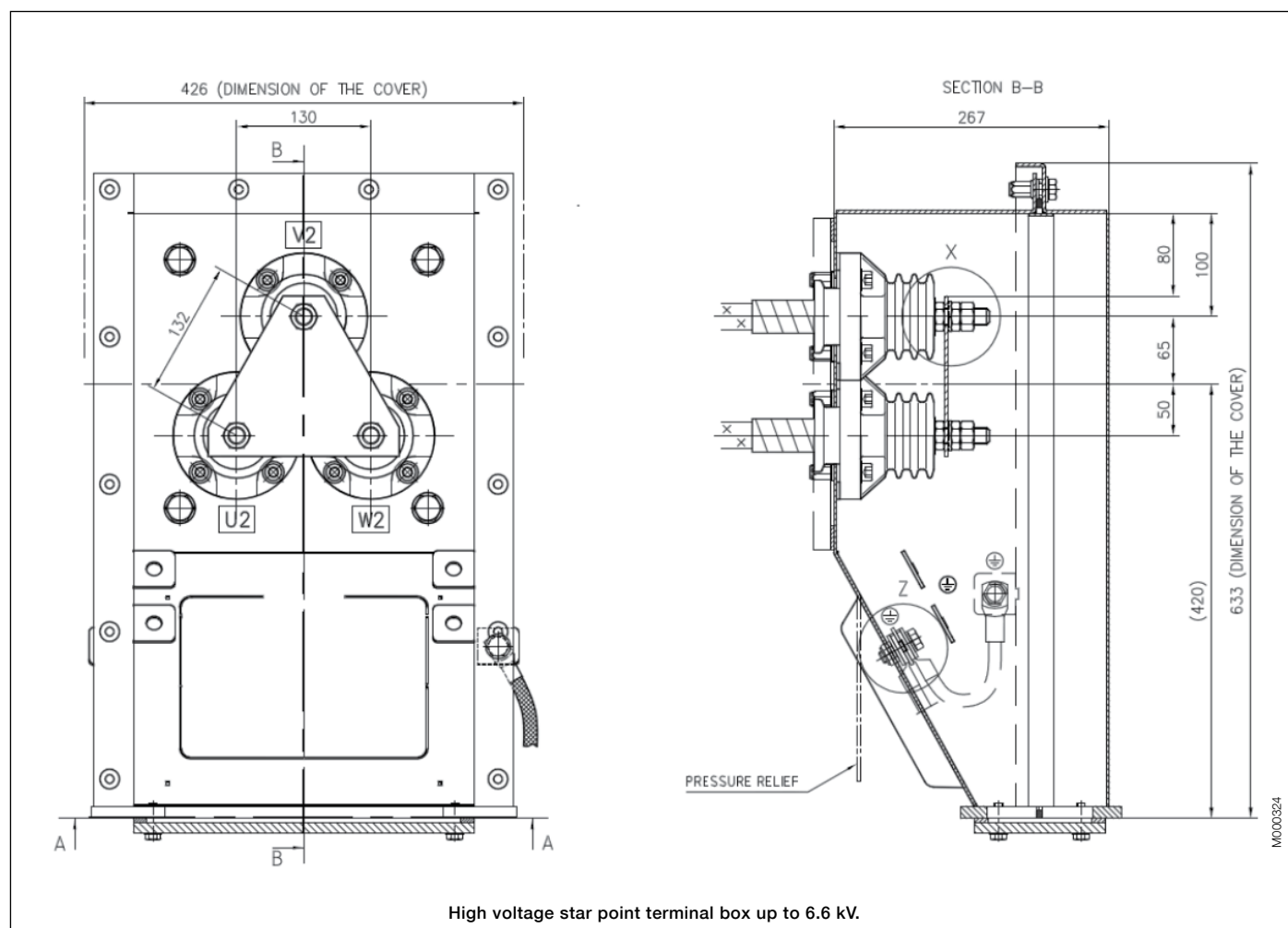
Voltage (max.)	6.6 kV
Current (max.)	400 A
Cable gland	blind gland (1 pcs)
Creepage (min.)	89 mm
Gross volume	44 dm ³
Usable volume	39 dm ³
Connection screws	M16 (3 pcs)
Connection nuts tightening torque	40 Nm
Ground connections	M12 (both in- and outside)
Weight	33 kg
Protection	IP 66

Materials:

Box	welded structural steel (thickness min. 3 mm)
Cable gland plate	steel
Connection screws	Bronze Bz
Connection bar	Copper Cu
Isolators	epoxy casting resin or polyurethane resin
Grounding pad	stainless steel

Other features:

- rigid welded construction
- box turnable to left or right side
- box turnable in steps of 90°
- pressure relief plate in the bottom of the box in case of an arching short circuit



The high voltage star point box up to 11 kV is shown below (option, variant code 750). The main technical data are listed below.

Technical data:

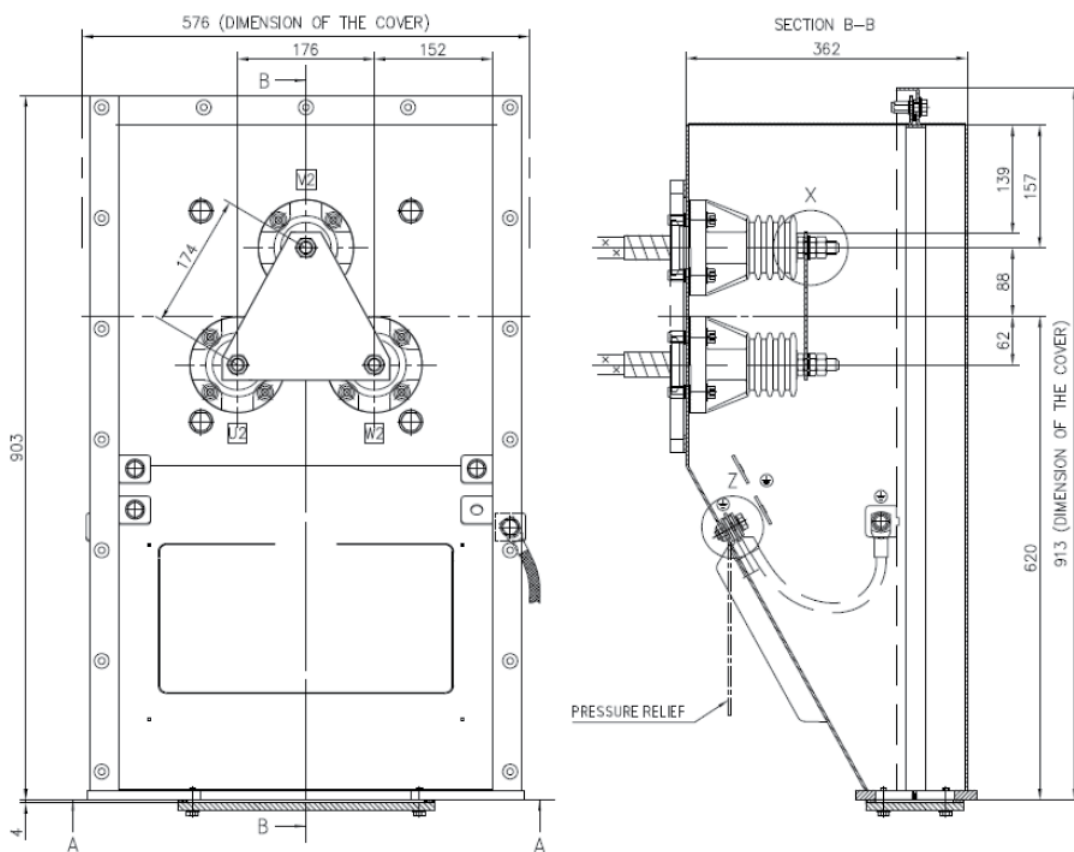
Voltage (max.)	11 kV
Current (max.)	400 A
Cable gland	blind gland (1 pcs)
Creepage (min.)	163 mm
Gross volume	123 dm ³
Usable volume	117 dm ³
Connection screws	M16 (3 pcs)
Connection nuts tightening torque	40 Nm
Ground connections	M12 (both in- and outside)
Weight	62 kg
Protection	IP 66

Materials:

Box	welded structural steel (thickness min. 3 mm)
Cable gland plate	steel
Connection screws	Bronze Bz
Connection bar	Copper Cu
Isolators	epoxy casting resin or polyurethane resin
Grounding pad	stainless steel

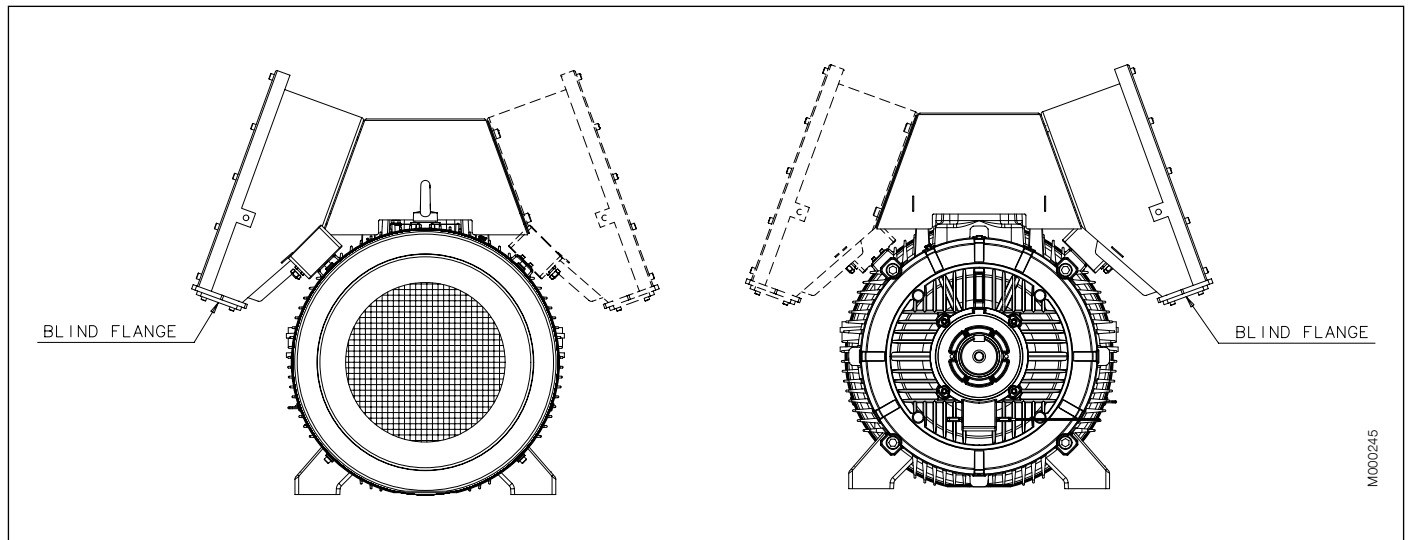
Other features:

- rigid welded construction
- box turnable to left or right side
- box turnable in steps of 90°
- pressure relief plate in the bottom of the box in case of an arching short circuit

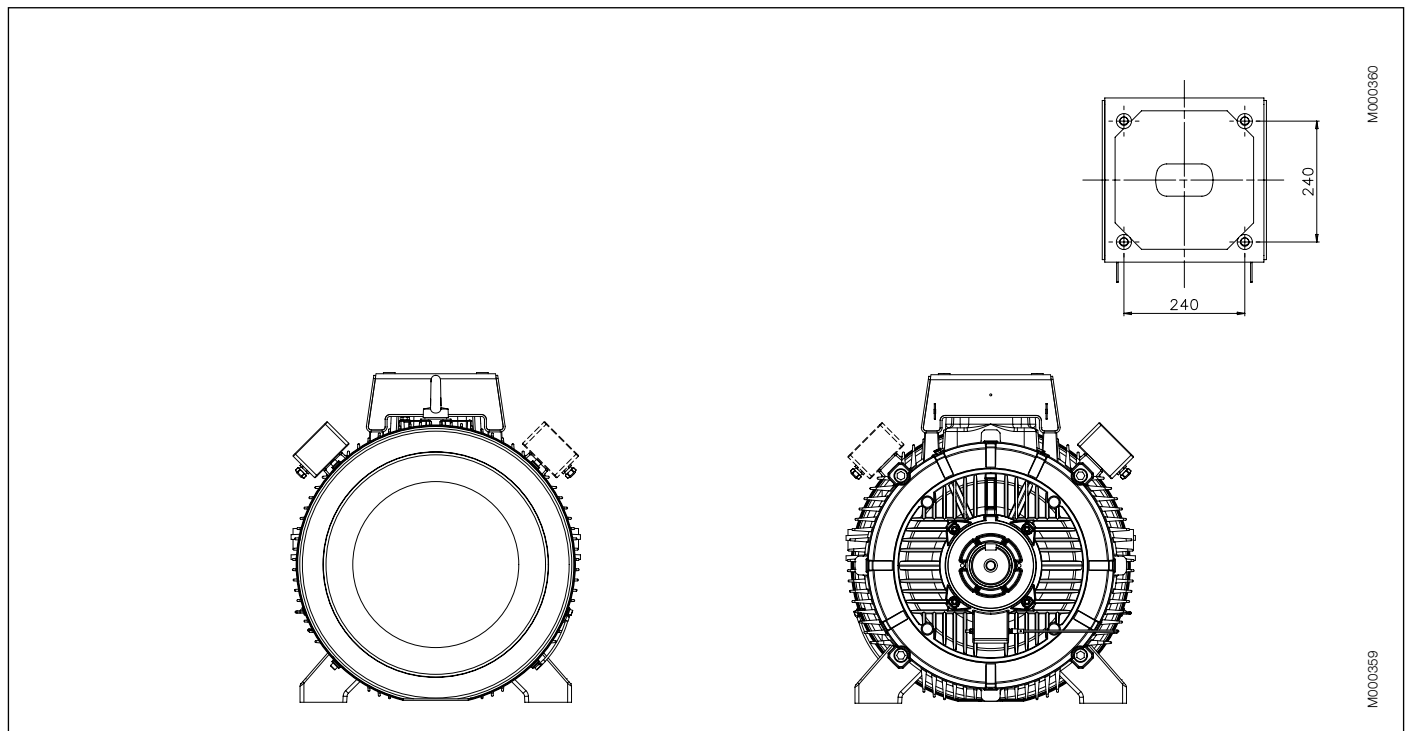


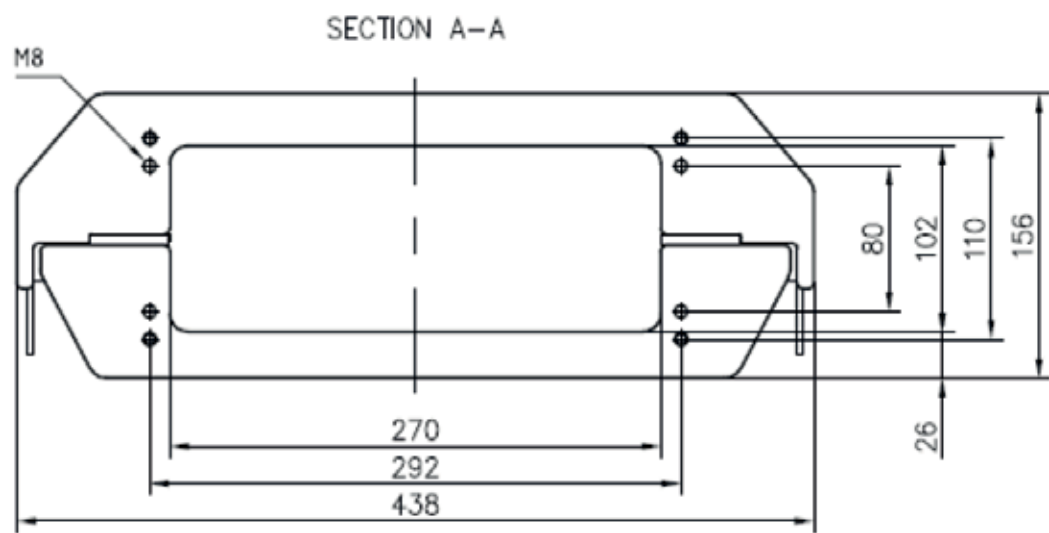
High voltage star point terminal box up to 11 kV.

Star point terminal box (optional)



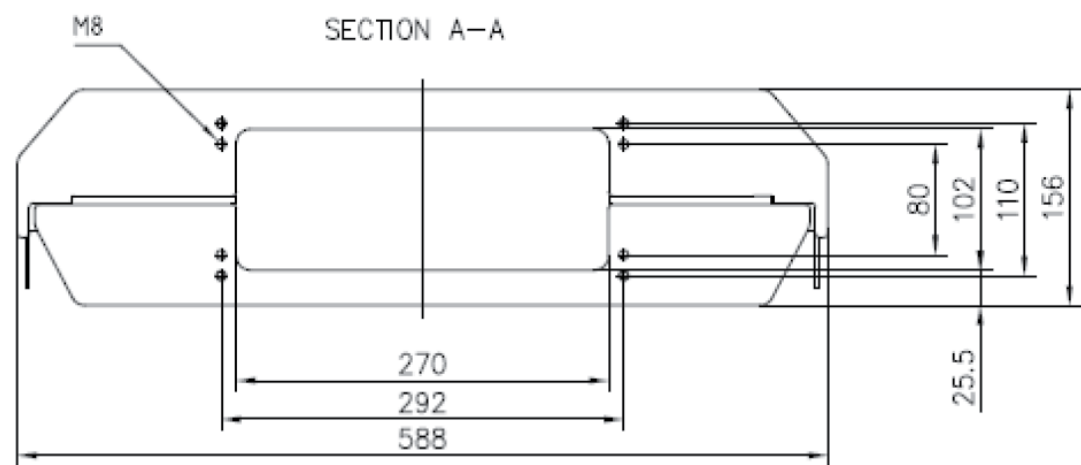
Delivery without main terminal box (optional)





MO00246

Blind flange up to 6.6 kV.

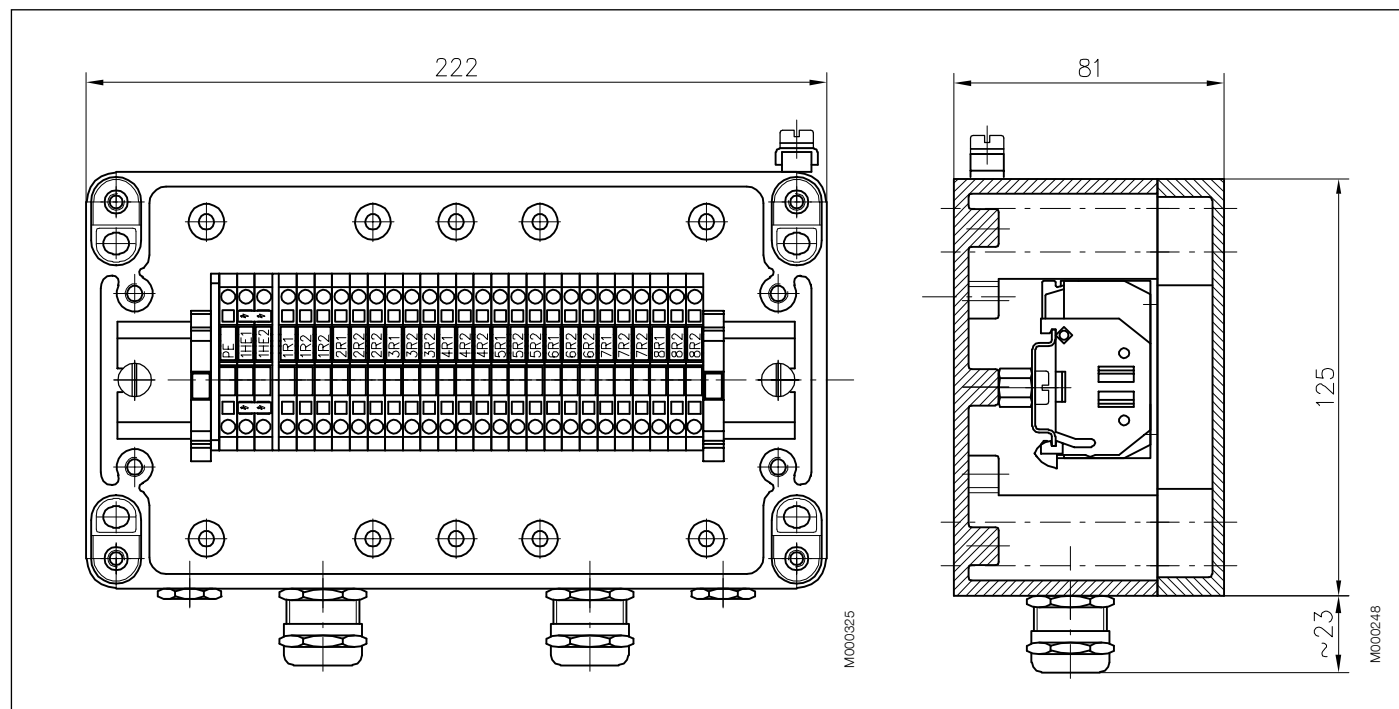


MO00335

Blind flange up to 11 kV.

Auxiliary boxes

Auxiliary box is used for control equipment and heating elements.



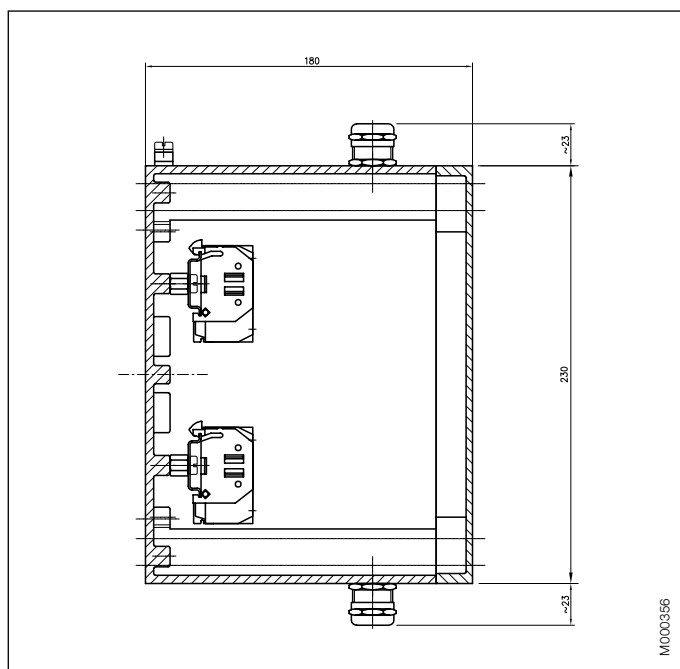
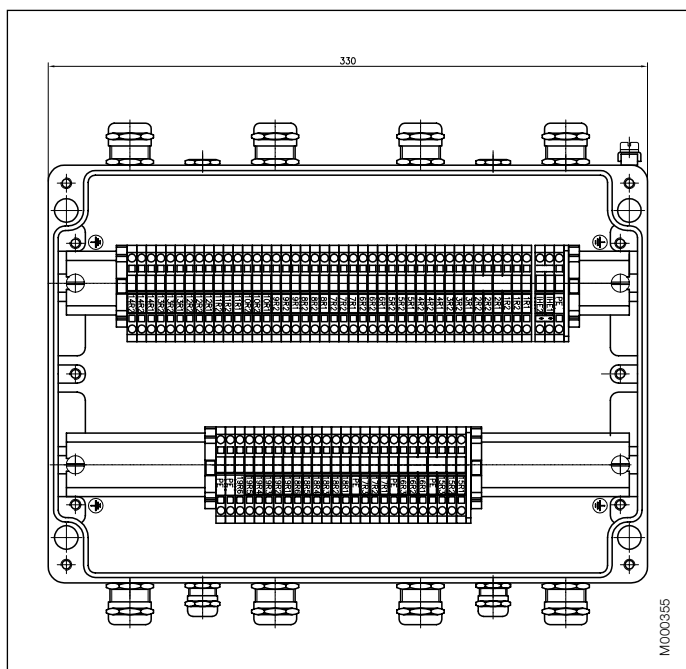
- one box as default
 - stator Pt-100
 - bearing Pt-100 (optional, variant code 107)
 - heating element (optional, variant code 450/451)
- separate auxiliary box for heating element (optional, variant code 447)

Specification:

Material designation	Al-Si10Mg (pressure die cast)
Material standard	EN 573-3
Surface treatment	RAL 7001 (grey)

Other features:

- equipped with assembly rail ARH 22 (DIN-35, 35x203 mm)
- main dimensions 125x222x81
- degree of protection IP 66 (IEC 529)
- gasket material polyurethane
- temperature resistance -50 - +140 °C (material), +80 °C (continuous use)
- max. terminal blocks: 34 pcs 2.5 mm²
28 pcs 4.0 mm²
- weight 1.6 kg



- one box as default
- stator Pt-100 (6 pcs)
- bearing Pt-100 (optional, variant code 107)
- heating element (optional, variant code 450/451)
- dial type thermometers for bearings (optional, variant code 651/652)*
- Pt-100 (12 pcs) inside stator slots (optional, variant code 653)*
- Provision for vibration sensors (optional, variant code 654)*

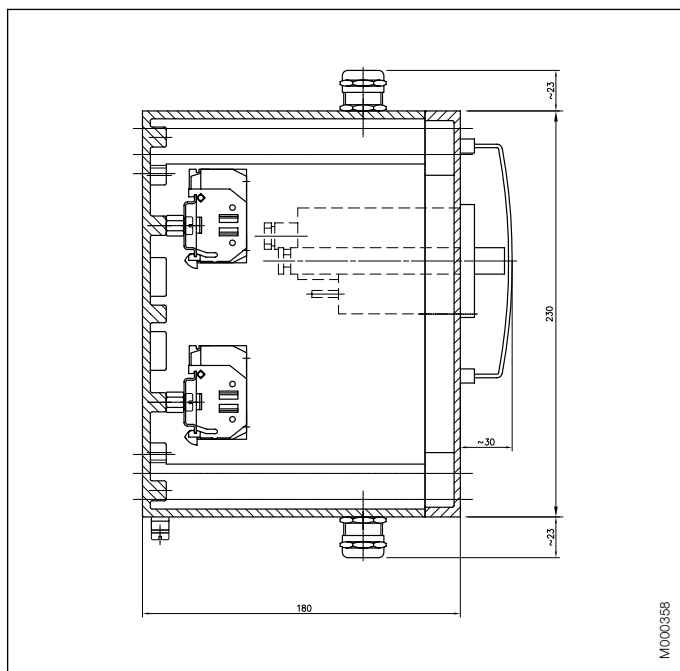
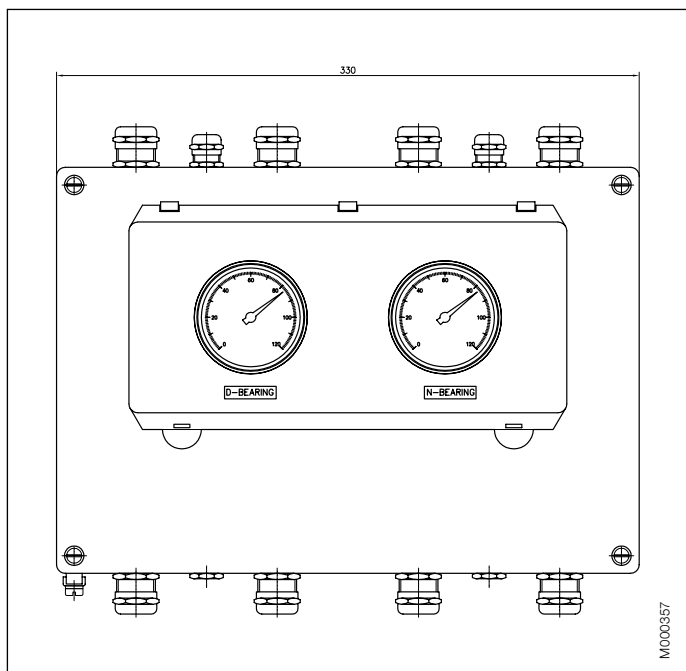
* The bigger auxiliary box is needed if any of these variant codes is selected.

Other features:

- equipped with assembly rail ARH 22 (DIN-35)
- main dimensions 125x222x81, 222x330x180
- degree of protection IP66 (IEC 529)
- gasket material polyurethane
- temperature resistance -50 - +140°C (material), +80 °C (continuous use)
- weight 1.6 – 5.6 kg

Specification:

Material designation	Al-Si10Mg (pressure die cast)
Material standard	EN 573-3
Surface treatment	RAL 7001 (grey)



Option with bearing dial type thermometers

- Measuring range 0...120 °C
- Degree of protection : IP65 (IEC529)
- Temperature durability of display -40...+60 °C

- Temperature durability of capillary tube -40...+100 °C
- With or without contacts (optional, variant codes 652/651)

Bearings

The motors are normally fitted with single-row deep groove ball bearings as listed in the table below.

Basic version with deep groove ball bearings

Motor size	Number of poles	Deep groove ball bearings	
		D-end	N-end
315	2	6316M/C3	6316M/C3
	4-6	6319/C3	6316/C3
355	2	6316M/C3	6316M/C3
	4-6	6322/C3	6316/C3
400	2	6317M/C3	6317M/C3
	4-8	6324/C3	6319/C3
450	2	6317M/C3	6317M/C3
	4-8	6326M/C3	6322/C3

If the bearing at the D-end is replaced with a roller bearing (NU-), higher radial forces can be handled. Roller bearings are suitable for belt drive applications.

Version with roller bearings, variant code 037

Motor size	Number of poles	Roller bearings, variant code 037
		D-end
315	4-6	NU 319/C3
355	4-6	NU 322/C3
400	4-8	NU 324/C3
450	4-8	NU 326/C3

Axially-locked bearings

All motors are equipped as standard with an axially-locked bearing at the D-end.

The bearing's outer ring is tightly locked between bearing's covers and the housing fit.

The N-end bearing is axially free and can take the thermal expansion. Note! NU-bearing is axially locked at N-end.

Transport locking

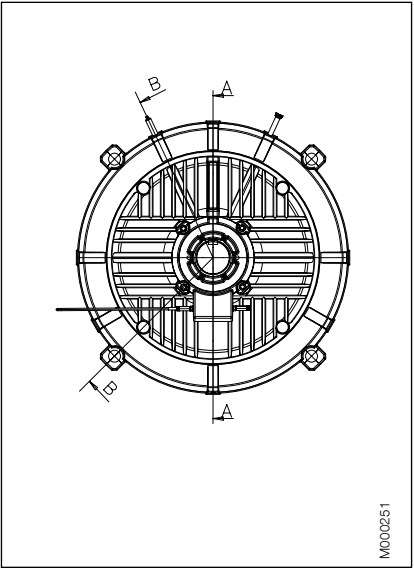
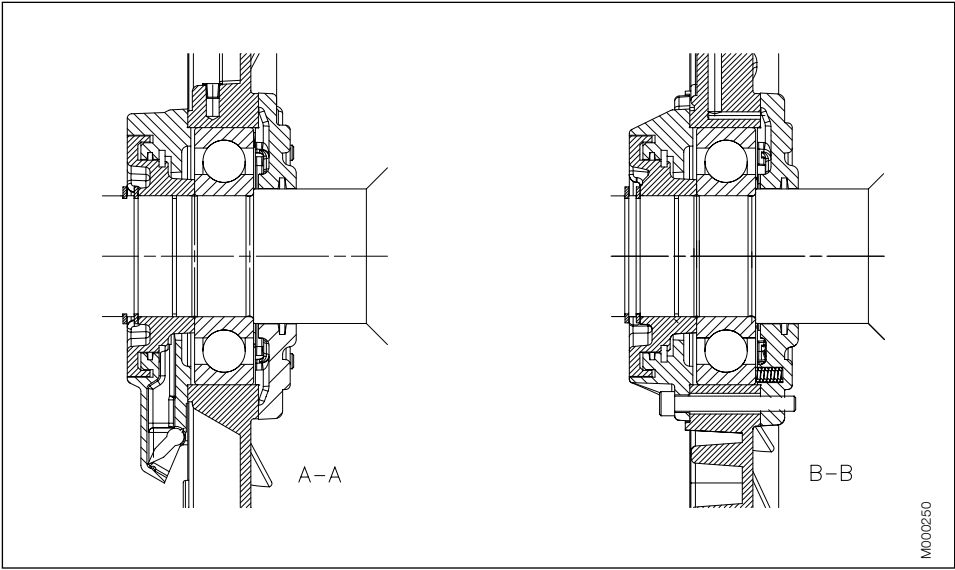
Motors with roller bearings are fitted with a transport lock to prevent damage to the bearings during transport. All high voltage motors are fitted with a warning sign when the transport lock is fitted to prevent operational damage and alert operators.

Locking may be fitted in any other situations where the transport conditions are considered as potentially damaging.

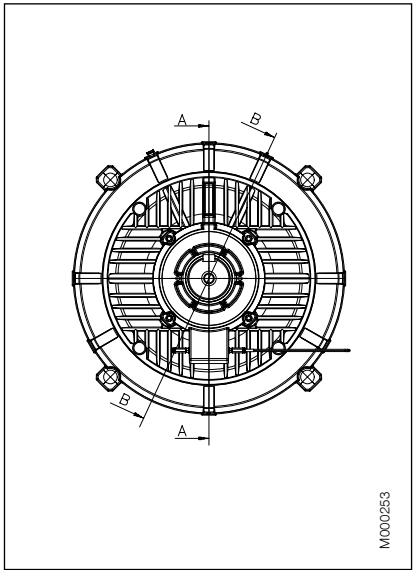
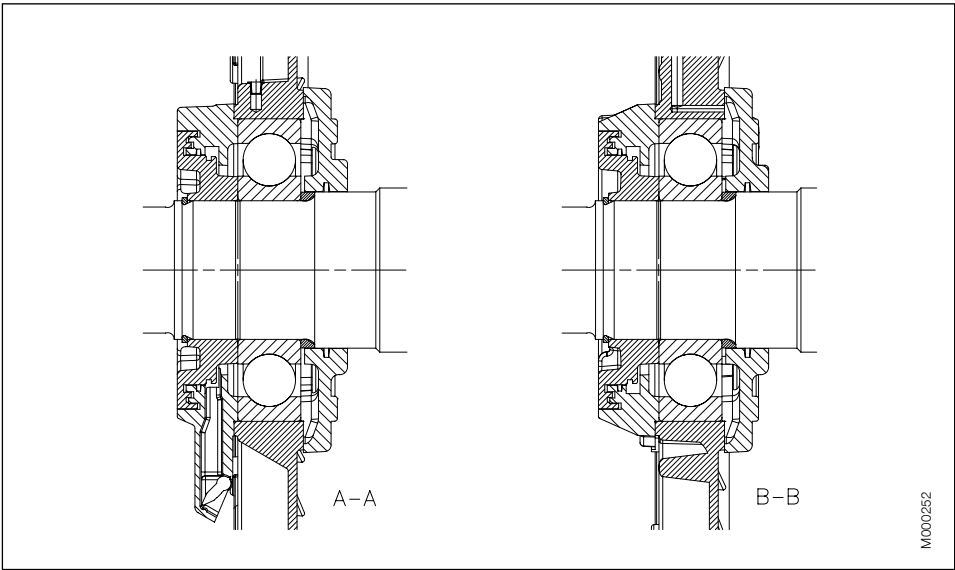
Bearing seals

All high voltage motors are equipped with labyrinth sealed bearings.

Axially free (N-end)



Axially locked (D-end)



Lubrication

On delivery, the motors are pre-lubricated with high quality grease. The grease grade is stamped on the lubrication plate fastened to the motor frame. See page 20 for an example of a lubrication plate.

More information about lubrication and greases can be found in ABB's High Voltage Process Performance Manual delivered with the motor.

Lubrication intervals

The lubrication interval is defined by following the L1-principle. This means that 99% of ABB's motors will achieve the normal service intervals. Values for the lubrication intervals can also be calculated according to the L10-principle, which are normally doubled compared to L1-values. Values are available from ABB on request.

Frame size	Ambient °C	3000 r/min	1500 r/min	<1000 r/min
Ball bearings, horizontal motor: lubrication intervals in duty hours				
315	25	5900	8800	8800
315	40 ¹⁾	3000	6600	8800
355	25	4400	8800	8800
355	40 ¹⁾	2200	5100	8800
400	25	3000	6600	8800
400	40 ¹⁾	1500	3600	8000
450	25	3000	6600	8800
450	40 ¹⁾	1500	3600	8000

¹⁾ For generation code B motors, same lubrication intervals are valid for 50°C ambient.

Frame size	Ambient °C	3000 r/min	1500 r/min	<1000 r/min
Roller bearings: lubrication intervals in duty hours				
315	25	-	4400	8800
315	40 ¹⁾	-	2200	5100
355	25	-	4400	4400
355	40 ¹⁾	-	2200	2200
400	25	-	3000	4400
400	40 ¹⁾	-	1500	2200
450	25	-	3000	4400
450	40 ¹⁾	-	1500	2200

¹⁾ For generation code B motors, same lubrication intervals are valid for 50°C ambient.

Motors with relubrication nipples

Motors are lubricated while running and the bearing system on all high voltage motors has been built so that a valve disc can be used for lubrication.

The grease outlet opening has closing valves at both ends that should be opened before greasing and closed 1-2 hours after regreasing. Closing the valves ensures that the construction is tight and dust or dirt cannot get inside the bearing.

The table below gives lubrication intervals for different speeds (according to the L1-principle). The values are valid for motors using the synthetic base oil mentioned in ABB's High Voltage Process Performance Motors Manual.

For more information, see ABB's High Voltage Process Performance Motors Manual.

Frame size	Ambient °C	3000 r/min	1500 r/min	<1000 r/min
Ball bearings, vertical motor: lubrication intervals in duty hours				
315	25	-	6600	8800
315	40 ¹⁾	-	3600	4400
355	25	-	4400	8800
355	40 ¹⁾	-	2200	4400
400	25	-	3000	6600
400	40 ¹⁾	-	1500	3600
450	25	-	3000	6600
450	40 ¹⁾	-	1500	3600

¹⁾ For generation code B motors, same lubrication intervals are valid for 50°C ambient.

Pulley diameter

When the desired bearing life has been determined, the minimum permissible pulley diameter can be calculated using F_R , as follows:

$$D = \frac{1.9 \cdot 10^7 \cdot K \cdot P}{n \cdot F_R}$$

where:

D = diameter of pulley, mm

P = power requirement, kW

n = motor speed, r/min

K = belt tension factor, dependent on belt type and type of duty. A common value for V-belts is 2.5.

F_R = permissible radial force

Permissible loadings on shaft

The tables give the maximum permissible radial force in Newtons, assuming zero axial force, based on normal conditions at 50 Hz and calculated bearing lives L_{10h} for 40,000 hours.

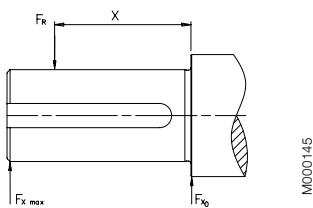
Motors are foot-mounted IM 1001 (B3) version with force directed sideways. In some cases the strength of the shaft affects the permissible forces.

Permissible loads of simultaneous radial and axial forces can be supplied on request.

If the radial force is applied between points X_0 and X_{max} , the permissible force F_R can be calculated from the following formula:

$$F_R = F_{X0} - \frac{X}{E}(F_{X0} - F_{X_{max}})$$

E = length of shaft extension in basic version



Permissible radial forces

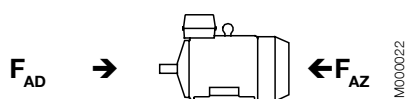
Motor size	Poles	Length of shaft extension E (mm)	Ball bearings		Roller bearings	
			40,000 hours		40,000 hours	
			F_{x0} (N)	$F_{x_{max}}$ (N)	F_{x0} (N)	$F_{x_{max}}$ (N)
315LK	2	140	4850	4300	-	-
	4	170	7900	6850	25000	9500
	6	170	9050	7850	30000	9500
355LK	2	140	2350	2150	-	-
	4	210	9900	8600	25000	12000
	6	210	11500	9950	40000	12000
400L / LK	2	170	550	500	-	-
	4	210	8130	7160	25000	15000
	6-8	210	10190	8900	45000	15000
450L	2	170	-	-	-	-
	4	210	8950	7950	25000	20800
	6-8	210	10430	9250	50000	20800

Permissible axial forces

The following tables give the permissible axial forces in Newton, assuming zero radial force. The values are based on normal conditions at 50 Hz with standard bearings and calculated bearing lives L_{10h} 40,000 hours.

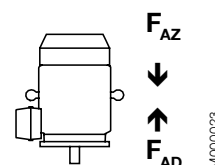
Given axial forces F_{AD} , assumes D-bearing locked by means of locking ring.

Mounting arrangement IM B3



Motor size	40,000 hours					
	2-pole		4-pole		6-8-pole	
	F_{AD} N	F_{AZ} N	F_{AD} N	F_{AZ} N	F_{AD} N	F_{AZ} N
315LK	2050	4050	4150	6150	5050	7050
355LK	850	4650	4350	8150	5650	9450
400L / LK	200	5200	2990	8990	3970	9970
450L	-	-	3200	9200	4220	10220

Mounting arrangement IM V1



Motor size	40,000 hours					
	2-pole		4-pole		6-8-pole	
	F_{AD} N	F_{AZ} N	F_{AD} N	F_{AZ} N	F_{AD} N	F_{AZ} N
315LK	-	-	7650	3750	9150	4350
355LK	-	-	10900	3850	12700	4600
400L / LK	-	-	11550	2780	15100	2480
450L	-	-	15420	800	19080	380

Vibration limits / Balancing

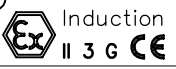
Motors are balanced according to ISO1940:1998 standard, balancing grade G2.5.

The following table lists the vibration values that the motors fulfil in compliance with IEC 60034-14.

Poles	Speed rpm	Design	Bearing housing vibration
2	1800 < n 3600	Standard	2.3 mm/s rms
≥4	1800	Standard	2.3 mm/s rms

Rating plate

Rating plate

ABB Oy, Machines						
Induction Machines, Helsinki, Finland						
						
3~ Motor M3GM 450 LB 4						
IEC 450 L 120						
S1				No. 4587425		
Temperature rise cl. B				Ins.cl. F		IP 55
V	Hz	kW	r/min	A	cos φ	Duty
6000	50	710	1493	80	0.88	
Product code 3GGM452509-ATA						
Ex nA II T3, VTT 06 ATEX 084X						
Year of manufacture 2006				Nmax 1800 r/min		
6326/C3		6322/C3		4540 kg		
 IEC 60034-1						

Lubrication plate

	
Bearings	6324/C3 6319/C3
Regreasing amount	60 g 35 g
Regreasing intervals valid with following running speed and ambient temperatures:	1500 rpm
At 25 °C	4400 h
At 40 °C	2400 h
Grease	KLUBERPLEX BEM 41-132
See the Maintenance Manual	

Restamping output, voltage, ambient and altitude

M3BM motor catalog ratings can be re-stamped as follows. Motor construction will not be changed but a new rating plate and data sheet can be created with variant code 002. In all the below cases or their combinations, please contact ABB for correct motor size and motor data. Bearing re-lubrication intervals as shown in this catalog are valid also for re-stamped motors.

Output

Output can be re-stamped downwards from the catalog data.

Voltage

Voltage can be re-stamped downwards up to 10% from the motor nominal voltage in the catalogue. Motor output has to be de-rated so that the motor absolute temperatures will not be higher compared to catalog data.

Ambient temperature

Motor can be de-rated to higher ambient temperature. Maximum ambient temperature is 55 °C. The output has to be de-rated so that motor's absolute temperatures will not be higher than the catalog data.

Altitude

Motor can be de-rated to higher altitudes than standard 1000 meters above sea level. There are different maximum altitude limits for different motors depending on voltage level. The motor output has to be de-rated so that the absolute temperatures of the motor will not be higher than the catalog data.

Ordering information

When placing an order, please state the following minimum data in the order, as in the example.

The product code of the motor is composed in accordance with the following example.

Motor type	M3BM 315LKA
Pole number	4
Mounting arrangement (IM-code)	IM B3 (IM 1001)
Rated output	110 kW
Product code	3GBM312810-AQA
Variant codes if needed	

Motor size

A	B	C	D, E, F,	G
M3BA	315 LKA	3GBM 312 810	-	AQA 003 etc.
		1 2 3 4 5 6 7 8 9 10 11 12 13 14		
A Motor type	B Motor size	C Product code D Mounting arrangement code	E Voltage and frequency code F Generation code	G Variants codes

Explanation of the product code

Positions 1 to 4

3GBM = Totally enclosed fan cooled squirrel cage motor with cast iron frame, high voltage

Positions 5 and 6

IEC-frame

31 = 315

35 = 355

40 = 400

45 = 450

Position 7

Speed (Pole pairs)

1 = 2 poles

2 = 4 poles

3 = 6 poles

4 = 8 poles

Position 8 to 10

Serial number

Position 11

- (dash)

Position 12

Mounting arrangement

A = Horizontal

B = Vertical (for 4-8 pole only)

H = Foot- and flange-mounted, terminal box top-mounted

Position 13

Voltage and frequency code

See table below

Position 14

Generation code

A = Motor designed for 40°C ambient

B = Motor designed for 50°C ambient

The product code must be, if needed, followed by variant codes.

Code letters for supplementing the product code - single speed motors

Code letter for voltage and frequency				
Q	R	S	T	Y
50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
3000 V	3300 V	6600 V	6000 V	10000 V

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

						Efficiency ⁴⁾		Power factor		Current			
						Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	I _N A	I _s I _N	I ₀ A	
Output kW	Motor type	Product code				Speed r/min							
3000 r/min = 2 poles						3000 V	50 Hz						
132	M3BM 315 LKA	3GBM 311 810-•QA	2971	94.4	94.3	0.92	0.92	29	6.3	5			
160	M3BM 315 LKB	3GBM 311 820-•QA	2971	94.6	94.6	0.92	0.92	35	6.5	6			
200 ⁵⁾	M3BM 355 LKA	3GBM 351 811-•QA	2974	94.6	94.5	0.90	0.90	45	5.6	9			
250 ⁵⁾	M3BM 355 LKB	3GBM 351 821-•QA	2975	95.1	95.0	0.90	0.90	56	6.1	11			
315 ⁵⁾	M3BM 355 LKC	3GBM 351 831-•QA	2973	95.5	95.7	0.91	0.92	69	6.0	11			
325 ⁵⁾	M3BM 355 LKD	3GBM 351 842-•QA	2974	95.6	95.7	0.91	0.92	71	6.2	11			
355 ⁵⁾	M3BM 355 LKE	3GBM 351 850-•QA	2983	95.9	95.9	0.91	0.91	78	6.4	15			
355 ⁵⁾	M3BM 400 LA	3GBM 401 510-•QA	2980	95.7	95.6	0.90	0.90	79	6.3	16			
400 ⁵⁾	M3BM 400 LB	3GBM 401 520-•QA	2978	95.9	96.0	0.91	0.91	88	6.2	15			
450 ⁵⁾	M3BM 400 LC	3GBM 401 530-•QA	2978	96.1	96.2	0.91	0.92	98	6.4	16			
500 ⁵⁾	M3BM 400 LKA	3GBM 401 810-•QA	2983	96.4	96.4	0.91	0.91	109	6.2	19			
560 ⁵⁾	M3BM 400 LKB	3GBM 401 820-•QA	2983	96.5	96.6	0.91	0.92	122	6.1	19			
3000 r/min = 2 poles						3300 V	50 Hz						
160	M3BM 315 LKA	3GBM 311 811-•RA	2976	94.7	94.6	0.91	0.91	32	6.4	6			
200 ⁵⁾	M3BM 355 LKA	3GBM 351 811-•RA	2978	94.6	94.4	0.90	0.89	41	6.3	9			
250 ⁵⁾	M3BM 355 LKB	3GBM 351 821-•RA	2975	95.1	95.0	0.90	0.90	51	6.1	10			
315 ⁵⁾	M3BM 355 LKC	3GBM 351 831-•RA	2975	95.6	95.6	0.91	0.92	63	6.4	11			
335 ⁵⁾	M3BM 355 LKD	3GBM 351 841-•RA	2975	95.7	95.8	0.91	0.92	67	6.5	11			
355 ⁵⁾	M3BM 400 LA	3GBM 401 510-•RA	2979	95.8	95.7	0.90	0.90	71	6.3	14			
400 ⁵⁾	M3BM 400 LB	3GBM 401 520-•RA	2978	95.9	95.9	0.91	0.91	80	6.2	14			
445 ⁵⁾	M3BM 400 LC	3GBM 401 531-•RA	2977	96.1	96.2	0.91	0.92	88	6.2	14			
500 ⁵⁾	M3BM 400 LKA	3GBM 401 810-•RA	2983	96.4	96.5	0.91	0.92	99	6.0	16			
560 ⁵⁾	M3BM 400 LKB	3GBM 401 820-•RA	2983	96.5	96.6	0.91	0.92	111	6.1	17			
3000 r/min = 2 poles						6000 V	50 Hz						
250 ⁵⁾	M3BM 355 LKA	3GBM 351 811-•TA	2975	94.9	95.0	0.91	0.92	28	6.1	5			
280 ⁵⁾	M3BM 355 LKB	3GBM 351 821-•TA	2982	95.3	95.3	0.91	0.90	31	6.2	6			
300 ⁵⁾	M3BM 355 LKC	3GBM 351 830-•TA	2982	95.5	95.5	0.91	0.91	33	6.3	6			
315 ⁵⁾	M3BM 400 LA	3GBM 401 510-•TA	2981	95.2	95.1	0.89	0.88	35	6.4	8			
355 ⁵⁾	M3BM 400 LB	3GBM 401 520-•TA	2979	95.6	95.6	0.91	0.91	39	6.3	7			
385 ⁵⁾	M3BM 400 LC	3GBM 401 531-•TA	2979	95.7	95.8	0.91	0.91	42	6.4	8			
410 ⁵⁾	M3BM 400 LD	3GBM 401 541-•TA	2979	95.9	96.0	0.92	0.92	45	6.6	8			
450 ⁵⁾	M3BM 400 LKA	3GBM 401 810-•TA	2983	96.0	96.1	0.91	0.91	49	6.0	9			
500 ⁵⁾	M3BM 400 LKB	3GBM 401 820-•TA	2984	96.2	96.3	0.91	0.92	55	6.4	10			
530 ⁵⁾	M3BM 400 LKC	3GBM 401 830-•TA	2984	96.4	96.5	0.92	0.92	58	6.5	10			
3000 r/min = 2 poles						6600 V	50 Hz						
280 ⁵⁾	M3BM 355 LKA	3GBM 351 811-•SA	2982	95.3	95.3	0.91	0.91	28	6.1	5			
315 ⁵⁾	M3BM 400 LA	3GBM 401 510-•SA	2980	95.3	95.2	0.90	0.89	32	6.4	7			
355 ⁵⁾	M3BM 400 LB	3GBM 401 520-•SA	2980	95.5	95.5	0.91	0.91	36	6.3	7			
390 ⁵⁾	M3BM 400 LC	3GBM 401 531-•SA	2980	95.8	95.8	0.91	0.91	39	6.7	7			
415 ⁵⁾	M3BM 400 LD	3GBM 401 541-•SA	2979	95.9	96.0	0.91	0.92	41	6.6	7			
450 ⁵⁾	M3BM 400 LKA	3GBM 401 810-•SA	2983	96.1	96.1	0.91	0.91	45	6.1	8			
500 ⁵⁾	M3BM 400 LKB	3GBM 401 820-•SA	2984	96.2	96.3	0.91	0.91	50	6.5	9			
530 ⁵⁾	M3BM 400 LKC	3GBM 401 830-•SA	2984	96.4	96.5	0.92	0.92	52	6.5	9			

¹⁾ **315LK, 355LK, 400L, 400LK:** The given values of load inertia assume two starts from cold and one start from warm conditions in succession against quadratic load torque with 90% of the rated torque at the rated speed and at 80% of the rated voltage.

²⁾ **315LK, 355LK, 400L, 400LK:** Starting time with given values of the load inertia from cold condition in succession against quadratic load torque with 90% of the rated torque at the rated speed and at rated voltage.

³⁾ The sound pressure levels are presented at no-load. The magnetic noise level of 2- and 4-pole motors is typically low compared to the fan noise, resulting no increase in the noise level on-load. The variation and measuring tolerance of the figures is +3 dB(A).

⁴⁾ Efficiency based on typical additional load losses acc. to measurements.

⁵⁾ Unidirectional fan construction as standard. Direction of rotation must be stated when ordering, see variant codes 044 and 045.

The bullet in the product code indicates choice of mounting arrangement (see ordering information page).

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW	Motor type	Torque			Power factor cos φ _k	Load inertia ¹⁾ kgm ²	Starting time cold ²⁾ s	Maximum stalling time hot s	Rotor inertia kgm ²	Rotor weight kg	Motor weight kg	Sound pressure level LP ³⁾ dB(A)
		T _N	T _S	T _{max}								
		Nm	T _N	T _N								
3000 r/min = 2 poles					3000 V 50 Hz							
132	M3BM 315 LKA	424	1.2	2.7	0.17	10	7	16	2.0	230	1230	78
160	M3BM 315 LKB	514	1.3	2.7	0.17	12	7	16	2.1	240	1270	78
200 ⁵⁾	M3BM 355 LKA	642	0.8	2.5	0.13	15	10	22	2.9	280	1680	78
250 ⁵⁾	M3BM 355 LKB	802	0.9	2.7	0.13	18	8	16	3.2	300	1780	78
315 ⁵⁾	M3BM 355 LKC	1012	1.0	2.5	0.13	22	8	16	4.5	390	2160	78
325 ⁵⁾	M3BM 355 LKD	1044	1.1	2.6	0.13	23	8	13	4.2	420	2240	78
355 ⁵⁾	M3BM 355 LKE	1137	0.9	2.7	0.12	24	8	16	4.7	390	2220	78
355 ⁵⁾	M3BM 400 LA	1138	1.0	2.6	0.13	24	9	20	6.9	460	2420	79
400 ⁵⁾	M3BM 400 LB	1283	1.0	2.5	0.13	27	9	20	8.0	520	2670	79
450 ⁵⁾	M3BM 400 LC	1443	1.1	2.6	0.14	30	8	20	9.2	580	2900	79
500 ⁵⁾	M3BM 400 LKA	1601	0.8	2.6	0.11	32	9	16	8.8	560	2980	79
560 ⁵⁾	M3BM 400 LKB	1793	0.9	2.6	0.11	36	9	16	9.9	620	3220	79
3000 r/min = 2 poles					3300 V 50 Hz							
160	M3BM 315 LKA	513	0.9	2.9	0.14	12	8	16	1.9	210	1190	78
200 ⁵⁾	M3BM 355 LKA	641	0.9	2.8	0.13	15	9	20	2.9	280	1680	78
250 ⁵⁾	M3BM 355 LKB	802	0.9	2.7	0.13	18	8	16	3.2	300	1780	78
315 ⁵⁾	M3BM 355 LKC	1011	1.1	2.7	0.14	22	7	15	4.5	390	2140	78
335 ⁵⁾	M3BM 355 LKD	1075	1.1	2.7	0.13	23	7	14	4.8	410	2250	78
355 ⁵⁾	M3BM 400 LA	1138	0.9	2.6	0.13	24	9	20	6.9	460	2440	79
400 ⁵⁾	M3BM 400 LB	1283	1.0	2.5	0.13	27	9	20	8.0	520	2660	79
445 ⁵⁾	M3BM 400 LC	1427	1.1	2.5	0.13	29	8	16	7.8	580	2910	79
500 ⁵⁾	M3BM 400 LKA	1601	0.8	2.5	0.11	32	10	16	9.4	590	3100	79
560 ⁵⁾	M3BM 400 LKB	1793	0.9	2.6	0.11	36	9	16	9.9	620	3220	79
3000 r/min = 2 poles					6000 V 50 Hz							
250 ⁵⁾	M3BM 355 LKA	803	1.0	2.6	0.15	18	8	16	4.2	370	2010	78
280 ⁵⁾	M3BM 355 LKB	897	0.9	2.6	0.13	20	9	18	4.1	350	2000	78
300 ⁵⁾	M3BM 355 LKC	961	0.9	2.6	0.13	21	9	18	4.4	370	2090	78
315 ⁵⁾	M3BM 400 LA	1009	1.0	2.7	0.14	22	9	20	6.4	430	2260	79
355 ⁵⁾	M3BM 400 LB	1138	1.0	2.6	0.14	24	9	20	7.5	490	2500	79
385 ⁵⁾	M3BM 400 LC	1234	1.1	2.6	0.14	26	8	17	6.7	520	2630	79
410 ⁵⁾	M3BM 400 LD	1314	1.2	2.6	0.14	27	8	17	7.5	570	2810	79
450 ⁵⁾	M3BM 400 LKA	1441	0.8	2.6	0.12	30	10	16	8.3	530	2820	79
500 ⁵⁾	M3BM 400 LKB	1600	0.8	2.7	0.12	32	9	16	9.4	590	3050	79
530 ⁵⁾	M3BM 400 LKC	1696	0.9	2.7	0.12	34	9	16	9.9	620	3170	79
3000 r/min = 2 poles					6600 V 50 Hz							
280 ⁵⁾	M3BM 355 LKA	897	0.9	2.6	0.14	20	10	16	4.4	370	2080	78
315 ⁵⁾	M3BM 400 LA	1009	1.0	2.7	0.14	22	9	20	6.4	430	2260	79
355 ⁵⁾	M3BM 400 LB	1138	1.0	2.6	0.14	24	9	20	7.5	490	2490	79
390 ⁵⁾	M3BM 400 LC	1250	1.1	2.7	0.14	26	8	16	6.7	520	2620	79
415 ⁵⁾	M3BM 400 LD	1330	1.2	2.6	0.15	28	8	16	7.5	570	2800	79
450 ⁵⁾	M3BM 400 LKA	1441	0.8	2.6	0.12	30	10	16	8.6	550	2880	79
500 ⁵⁾	M3BM 400 LKB	1600	0.9	2.7	0.12	32	9	16	9.4	590	3050	79
530 ⁵⁾	M3BM 400 LKC	1696	0.9	2.7	0.12	34	9	16	9.9	620	3170	79

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW	Motor type	Product	code	Speed r/min	Efficiency ⁴⁾		Power factor		Current				
					Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	I _N A	$\frac{I_s}{I_N}$	$\frac{I_o}{A}$		
1500 r/min = 4 poles					3000 V 50 Hz								
110	M3BM	315 LKA	3GBM	312 810-•QA	1488	94.4	94.1	0.84	0.80	27	6.3	10	
132	M3BM	315 LKB	3GBM	312 820-•QA	1484	94.4	94.5	0.85	0.83	32	5.3	10	
160	M3BM	315 LKC	3GBM	312 830-•QA	1485	94.7	94.7	0.87	0.85	37	6.3	11	
200	M3BM	315 LKD	3GBM	312 841-•QA	1485	94.9	95.0	0.87	0.85	46	6.1	14	
250	M3BM	355 LKA	3GBM	352 810-•QA	1490	95.4	95.2	0.84	0.80	60	6.2	22	
315	M3BM	355 LKB	3GBM	352 820-•QA	1489	95.6	95.6	0.84	0.82	75	6.1	25	
355	M3BM	355 LKC	3GBM	352 830-•QA	1488	95.8	95.8	0.85	0.82	84	6.1	27	
400	M3BM	355 LKD	3GBM	352 841-•QA	1489	96.0	96.0	0.86	0.84	93	5.9	29	
450	M3BM	400 LA	3GBM	402 510-•QA	1490	96.4	96.5	0.86	0.84	105	6.5	32	
500	M3BM	400 LB	3GBM	402 520-•QA	1489	96.2	96.2	0.85	0.83	117	6.3	35	
560	M3BM	400 LKA	3GBM	402 810-•QA	1491	96.4	96.4	0.85	0.83	131	6.1	43	
630	M3BM	400 LKB	3GBM	402 820-•QA	1491	96.6	96.5	0.85	0.83	147	6.2	48	
710	M3BM	450 LA	3GBM	452 510-•QA	1493	96.7	96.6	0.88	0.86	160	6.5	44	
750	M3BM	450 LB	3GBM	452 520-•QA	1492	96.7	96.7	0.88	0.87	169	6.1	44	
1500 r/min = 4 poles					3300 V 50 Hz								
132	M3BM	315 LKA	3GBM	312 810-•RA	1488	94.6	94.4	0.82	0.77	30	6.3	13	
160	M3BM	315 LKB	3GBM	312 820-•RA	1484	94.8	94.9	0.84	0.82	35	5.5	12	
200	M3BM	315 LKC	3GBM	312 831-•RA	1485	94.9	95.0	0.87	0.85	42	6.2	13	
250	M3BM	355 LKA	3GBM	352 810-•RA	1489	95.3	95.2	0.84	0.81	55	6.1	19	
315	M3BM	355 LKB	3GBM	352 820-•RA	1490	95.5	95.5	0.83	0.80	69	6.5	26	
355	M3BM	355 LKC	3GBM	352 830-•RA	1489	95.8	95.7	0.84	0.81	77	6.4	27	
400	M3BM	355 LKD	3GBM	352 841-•RA	1490	96.0	95.9	0.86	0.83	85	6.1	28	
450	M3BM	400 LA	3GBM	402 510-•RA	1489	96.4	96.5	0.85	0.84	95	6.2	28	
500	M3BM	400 LB	3GBM	402 520-•RA	1490	96.2	96.2	0.85	0.83	107	6.5	34	
560	M3BM	400 LKA	3GBM	402 810-•RA	1491	96.4	96.4	0.85	0.83	119	6.1	39	
630	M3BM	400 LKB	3GBM	402 820-•RA	1491	96.5	96.5	0.85	0.83	133	6.1	43	
630	M3BM	450 LA	3GBM	452 510-•RA	1493	96.5	96.4	0.88	0.86	130	6.3	36	
710	M3BM	450 LB	3GBM	452 520-•RA	1492	96.6	96.6	0.88	0.86	146	6.3	39	
1500 r/min = 4 poles					6000 V 50 Hz								
250	M3BM	355 LKA	3GBM	352 810-•TA	1486	95.2	95.3	0.84	0.81	30	5.8	10	
315	M3BM	355 LKB	3GBM	352 821-•TA	1489	95.8	95.7	0.83	0.79	38	6.4	15	
355	M3BM	400 LA	3GBM	402 510-•TA	1489	95.9	96.0	0.86	0.84	42	6.2	13	
400	M3BM	400 LB	3GBM	402 520-•TA	1489	96.1	96.2	0.86	0.84	47	6.4	14	
450	M3BM	400 LC	3GBM	402 530-•TA	1489	95.9	96.0	0.86	0.85	52	6.3	15	
500	M3BM	400 LKA	3GBM	402 810-•TA	1491	96.2	96.2	0.85	0.83	58	6.0	19	
560	M3BM	400 LKB	3GBM	402 820-•TA	1491	96.3	96.3	0.86	0.84	65	5.9	20	
600	M3BM	400 LKC	3GBM	402 830-•TA	1492	96.4	96.4	0.85	0.82	70	6.5	24	
630	M3BM	450 LA	3GBM	452 510-•TA	1493	96.4	96.4	0.87	0.85	72	6.5	21	
710	M3BM	450 LB	3GBM	452 520-•TA	1493	96.6	96.5	0.88	0.86	80	6.4	22	
1500 r/min = 4 poles					6600 V 50 Hz								
250	M3BM	355 LKA	3GBM	352 810-•SA	1488	95.3	95.2	0.83	0.80	28	6.2	11	
315	M3BM	355 LKB	3GBM	352 820-•SA	1487	95.6	95.6	0.84	0.81	34	6.4	12	
355	M3BM	400 LA	3GBM	402 510-•SA	1489	95.9	96.0	0.86	0.84	38	6.2	11	
400	M3BM	400 LB	3GBM	402 520-•SA	1489	96.0	96.1	0.86	0.84	42	6.3	13	
450	M3BM	400 LC	3GBM	402 530-•SA	1489	95.9	95.9	0.86	0.84	48	6.5	14	
500	M3BM	400 LKA	3GBM	402 810-•SA	1491	96.2	96.1	0.85	0.83	53	6.1	18	
560	M3BM	400 LKB	3GBM	402 820-•SA	1491	96.3	96.3	0.86	0.84	59	5.9	18	
600	M3BM	400 LKC	3GBM	402 830-•SA	1491	96.4	96.4	0.85	0.83	64	6.3	21	
630	M3BM	450 LA	3GBM	452 510-•SA	1493	96.4	96.4	0.87	0.85	65	6.5	19	
710	M3BM	450 LB	3GBM	452 520-•SA	1492	96.6	96.5	0.88	0.86	73	6.3	20	

¹⁾ The given values of load inertia assume three starts from cold and two starts from warm conditions in succession against quadratic load torque with 90% of the rated torque at the rated speed and at 80% of the rated voltage. To check validity against other starting requirements, contact ABB.

²⁾ Starting time with given values of the load inertia from cold condition in succession against quadratic load torque with 90% of the rated torque at the rated speed and at rated voltage.

³⁾ The sound pressure levels are presented at no-load. The magnetic noise level of 2- and 4-pole motors is typically low compared to the fan noise, resulting no increase in the noise level on-load. The variation and measuring tolerance of the figures is +3 dB(A).

⁴⁾ Efficiency based on typical additional load losses acc. to measurements.

The bullet in the product code indicates choice of mounting arrangement (see ordering information page).

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW	Motor type	Torque			Power factor cos φ _k	Load inertia ¹⁾ kgm ²	Starting time cold ²⁾ s	Maximum stalling time hot s	Rotor inertia kgm ²	Rotor weight kg	Motor weight kg	Sound pressure level LP ³⁾ dB(A)	
		T _N	T _S	T _{max}									
		Nm	T _N	T _N									
1500 r/min = 4 poles			3000 V 50 Hz										
110	M3BM	315 LKA	706	1.6	2.6	0.21	41	7	20	1.9	220	1190	73
132	M3BM	315 LKB	849	1.4	2.2	0.21	49	9	20	1.9	220	1190	73
160	M3BM	315 LKC	1029	1.7	2.5	0.21	58	6	16	2.8	260	1190	73
200	M3BM	315 LKD	1286	1.0	2.7	0.15	71	8	15	2.9	270	1220	73
250	M3BM	355 LKA	1603	1.3	2.5	0.16	87	8	18	5.5	400	1860	74
315	M3BM	355 LKB	2021	1.3	2.4	0.16	107	8	16	6.3	450	1990	74
355	M3BM	355 LKC	2278	1.4	2.4	0.16	119	7	14	6.8	480	2090	74
400	M3BM	355 LKD	2565	1.0	2.5	0.13	132	9	16	8.1	540	2270	74
450	M3BM	400 LA	2885	1.5	2.4	0.16	147	7	12	12.1	660	2880	74
500	M3BM	400 LB	3206	1.5	2.3	0.16	161	7	12	12.1	660	2870	79
560	M3BM	400 LKA	3587	1.0	2.6	0.12	177	9	14	13.7	730	3210	79
630	M3BM	400 LKB	4035	1.0	2.6	0.12	196	8	12	14.9	790	3380	79
710	M3BM	450 LA	4542	0.9	2.6	0.10	217	10	20	25.6	1050	4580	83
750	M3BM	450 LB	4800	0.8	2.4	0.10	228	11	20	25.6	1050	4580	83
1500 r/min = 4 poles			3300 V 50 Hz										
132	M3BM	315 LKA	847	1.7	2.6	0.21	49	7	20	1.9	220	1190	73
160	M3BM	315 LKB	1029	1.5	2.2	0.21	58	8	20	2.1	240	1260	73
200	M3BM	315 LKC	1286	1.0	2.7	0.15	71	8	15	2.9	270	1210	73
250	M3BM	355 LKA	1603	1.3	2.4	0.16	87	8	20	5.5	400	1860	74
315	M3BM	355 LKB	2019	1.5	2.5	0.17	107	7	16	6.3	450	1970	74
355	M3BM	355 LKC	2277	1.5	2.5	0.17	119	7	14	6.8	480	2070	74
400	M3BM	355 LKD	2564	1.0	2.5	0.13	132	9	16	8.1	540	2250	74
450	M3BM	400 LA	2886	1.4	2.2	0.16	147	7	12	11.3	620	2760	74
500	M3BM	400 LB	3205	1.5	2.4	0.16	161	7	11	12.1	660	2850	79
560	M3BM	400 LKA	3587	1.0	2.6	0.12	177	9	14	13.7	730	3200	79
630	M3BM	400 LKB	4036	1.0	2.5	0.12	196	9	12	14.9	790	3380	79
630	M3BM	450 LA	4031	0.8	2.6	0.10	196	11	20	23.5	980	4350	83
710	M3BM	450 LB	4543	0.8	2.5	0.10	217	10	20	25.6	1050	4570	83
1500 r/min = 4 poles			6000 V 50 Hz										
250	M3BM	355 LKA	1606	1.3	2.3	0.17	87	8	20	4.1	380	2010	74
315	M3BM	355 LKB	2021	1.1	2.7	0.14	107	8	20	4.8	420	2200	74
355	M3BM	400 LA	2277	1.4	2.3	0.17	119	7	17	10.8	600	2590	74
400	M3BM	400 LB	2565	1.5	2.4	0.17	132	7	14	11.6	640	2720	74
450	M3BM	400 LC	2887	1.5	2.3	0.17	147	7	12	12.4	670	2840	79
500	M3BM	400 LKA	3203	1.0	2.5	0.13	161	9	16	12.9	700	3040	79
560	M3BM	400 LKB	3588	1.0	2.5	0.13	177	9	14	14.1	750	3220	79
600	M3BM	400 LKC	3841	1.1	2.7	0.12	188	8	12	14.9	790	3330	79
630	M3BM	450 LA	4030	0.8	2.6	0.10	196	10	20	22.8	960	4230	83
710	M3BM	450 LB	4543	0.8	2.6	0.10	217	10	20	25.6	1050	4530	83
1500 r/min = 4 poles			6600 V 50 Hz										
250	M3BM	355 LKA	1605	1.4	2.5	0.17	87	7	20	4.1	380	2010	74
315	M3BM	355 LKB	2023	1.4	2.5	0.17	107	7	20	5.0	440	2280	74
355	M3BM	400 LA	2277	1.4	2.3	0.17	119	7	17	10.8	600	2600	74
400	M3BM	400 LB	2566	1.5	2.3	0.17	132	7	14	11.6	640	2710	74
450	M3BM	400 LC	2886	1.6	2.4	0.17	147	6	12	12.4	670	2830	79
500	M3BM	400 LKA	3202	1.0	2.6	0.13	161	9	15	12.9	700	3040	79
560	M3BM	400 LKB	3588	1.0	2.5	0.13	177	9	14	14.1	750	3210	79
600	M3BM	400 LKC	3842	1.1	2.6	0.13	188	8	12	14.9	790	3330	79
630	M3BM	450 LA	4030	0.8	2.6	0.10	196	10	20	22.8	960	4230	83
710	M3BM	450 LB	4543	0.8	2.5	0.10	217	11	20	25.6	1050	4530	83

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW	Motor type	Product	code	Speed r/min	Efficiency ⁴⁾		Power factor		Current				
					Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	I _N A	I _S	I ₀		
										I _N	A		
1000 r/min = 6 poles				3000 V	50 Hz								
110	M3BM	315 LKA	3GBM	313 810-•QA	987	94.1	94.4	0.80	0.77	28	5.3	11	
132	M3BM	315 LKB	3GBM	313 820-•QA	986	94.4	94.7	0.80	0.77	33	5.5	13	
150	M3BM	315 LKC	3GBM	313 831-•QA	991	95.0	94.9	0.76	0.69	40	6.2	21	
160	M3BM	355 LKA	3GBM	353 810-•QA	992	95.0	95.0	0.75	0.70	43	5.6	21	
200	M3BM	355 LKB	3GBM	353 820-•QA	990	95.4	95.5	0.79	0.75	51	5.4	21	
250	M3BM	355 LKC	3GBM	353 830-•QA	991	95.7	95.8	0.79	0.75	64	5.6	27	
315	M3BM	400 L	3GBM	403 500-•QA	991	95.8	96.0	0.82	0.79	77	6.0	28	
355	M3BM	400 LA	3GBM	403 510-•QA	991	96.0	96.2	0.82	0.80	86	5.9	30	
400	M3BM	400 LB	3GBM	403 520-•QA	991	96.1	96.3	0.82	0.80	97	6.2	34	
450	M3BM	400 LKA	3GBM	403 811-•QA	994	96.2	96.2	0.79	0.75	113	6.1	48	
500	M3BM	400 LKB	3GBM	403 821-•QA	994	96.3	96.4	0.81	0.77	123	5.9	48	
530	M3BM	400 LKC	3GBM	403 831-•QA	994	96.4	96.4	0.78	0.73	135	6.5	62	
560	M3BM	450 LA	3GBM	453 510-•QA	994	96.5	96.5	0.84	0.81	133	6.0	46	
630	M3BM	450 LB	3GBM	453 520-•QA	995	96.7	96.7	0.84	0.81	148	6.4	52	
710	M3BM	450 LC	3GBM	453 530-•QA	995	96.7	96.8	0.84	0.81	168	6.5	60	
1000 r/min = 6 poles				3300 V	50 Hz								
112	M3BM	315 LKA	3GBM	313 811-•RA	991	94.6	94.6	0.79	0.74	26	5.8	12	
132	M3BM	315 LKB	3GBM	313 820-•RA	987	94.5	94.7	0.80	0.76	31	5.6	13	
150	M3BM	315 LKC	3GBM	313 831-•RA	991	95.0	94.9	0.76	0.69	36	6.2	19	
160	M3BM	355 LKA	3GBM	353 810-•RA	992	95.0	94.9	0.75	0.69	39	5.7	20	
200	M3BM	355 LKB	3GBM	353 820-•RA	990	95.4	95.5	0.79	0.75	46	5.4	19	
250	M3BM	355 LKC	3GBM	353 830-•RA	990	95.6	95.8	0.80	0.76	57	5.4	23	
315	M3BM	400 L	3GBM	403 500-•RA	990	95.8	96.0	0.82	0.80	70	5.7	24	
355	M3BM	400 LA	3GBM	403 510-•RA	991	95.9	96.1	0.82	0.80	79	6.0	27	
400	M3BM	400 LB	3GBM	403 520-•RA	991	96.1	96.3	0.82	0.80	88	6.1	30	
450	M3BM	400 LKA	3GBM	403 811-•RA	994	96.3	96.3	0.80	0.76	102	6.0	41	
500	M3BM	400 LKB	3GBM	403 821-•RA	994	96.3	96.4	0.81	0.77	112	5.9	44	
530	M3BM	400 LKC	3GBM	403 831-•RA	994	96.4	96.4	0.79	0.74	122	6.5	54	
560	M3BM	450 LA	3GBM	453 510-•RA	994	96.5	96.5	0.84	0.82	120	6.1	41	
630	M3BM	450 LB	3GBM	453 520-•RA	995	96.7	96.7	0.84	0.81	135	6.5	48	
710	M3BM	450 LC	3GBM	453 530-•RA	995	96.7	96.8	0.84	0.81	152	6.5	54	
1000 r/min = 6 poles				6000 V	50 Hz								
220	M3BM	355 LKA	3GBM	353 810-•TA	992	95.2	95.3	0.80	0.76	28	6.3	12	
250	M3BM	355 LKB	3GBM	353 821-•TA	992	95.3	95.5	0.81	0.78	31	5.7	12	
280	M3BM	400 L	3GBM	403 500-•TA	991	95.7	95.8	0.80	0.76	35	5.6	14	
315	M3BM	400 LA	3GBM	403 510-•TA	992	95.9	95.9	0.80	0.76	39	5.8	16	
355	M3BM	400 LB	3GBM	403 520-•TA	991	96.0	96.1	0.80	0.77	44	5.6	17	
400	M3BM	400 LKA	3GBM	403 811-•TA	993	96.1	96.1	0.81	0.77	50	5.5	19	
450	M3BM	400 LKB	3GBM	403 821-•TA	992	96.1	96.2	0.81	0.79	55	5.4	20	
475	M3BM	400 LKC	3GBM	403 831-•TA	993	96.3	96.3	0.81	0.77	59	5.8	23	
500	M3BM	450 LA	3GBM	453 510-•TA	995	96.3	96.3	0.83	0.80	60	6.3	22	
560	M3BM	450 LB	3GBM	453 520-•TA	995	96.5	96.5	0.84	0.81	66	6.3	23	
630	M3BM	450 LC	3GBM	453 530-•TA	994	96.5	96.6	0.84	0.81	75	6.3	26	
650	M3BM	450 LD	3GBM	453 540-•TA	994	96.6	96.6	0.85	0.82	76	6.4	26	
1000 r/min = 6 poles				6600 V	50 Hz								
250	M3BM	355 LKA	3GBM	353 811-•SA	994	95.5	95.5	0.79	0.74	29	6.6	13	
280	M3BM	400 L	3GBM	403 500-•SA	991	95.7	95.7	0.79	0.75	32	5.6	13	
315	M3BM	400 LA	3GBM	403 510-•SA	992	95.9	95.9	0.79	0.75	36	6.1	16	
355	M3BM	400 LB	3GBM	403 520-•SA	991	96.0	96.0	0.80	0.76	40	5.9	16	
400	M3BM	400 LKA	3GBM	403 811-•SA	993	96.1	96.1	0.80	0.77	45	5.7	18	
450	M3BM	400 LKB	3GBM	403 821-•SA	992	96.2	96.2	0.81	0.78	50	5.4	19	
475	M3BM	400 LKC	3GBM	403 831-•SA	993	96.3	96.3	0.81	0.77	53	5.8	21	
500	M3BM	450 LA	3GBM	453 510-•SA	994	96.3	96.3	0.84	0.82	54	6.1	18	
560	M3BM	450 LB	3GBM	453 520-•SA	994	96.4	96.5	0.85	0.82	60	6.1	20	
630	M3BM	450 LC	3GBM	453 530-•SA	994	96.5	96.6	0.85	0.83	67	6.1	22	

¹⁾ The given values of load inertia assume three starts from cold and two starts from warm conditions in succession against quadratic load torque with 90% of the rated torque at the rated speed and at 80% of the rated voltage. To check validity against other starting requirements, contact ABB.

²⁾ Starting time with given values of the load inertia from cold condition in succession against quadratic load torque with 90% of the rated torque at the rated speed and at rated voltage.

³⁾ The sound pressure levels are presented at no-load. The magnetic noise level of 2- and 4-pole motors is typically low compared to the fan noise, resulting no increase in the noise level on-load. The variation and measuring tolerance of the figures is +3 dB(A).

⁴⁾ Efficiency based on typical additional load losses acc. to measurements.

The bullet in the product code indicates choice of mounting arrangement (see ordering information page).

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW	Motor type		Torque			Power factor cos φ _k	Load inertia ¹⁾ kgm ²	Starting time cold ²⁾ s	Maximum stalling time hot s	Rotor inertia kgm ²	Rotor weight kg	Motor weight kg	Sound pressure level LP ³⁾ dB(A)
			T _N	T _S	T _{max}								
			Nm	T _N	T _N								
1000 r/min = 6 poles			3000 V 50 Hz										
110	M3BM	315 LKA	1065	1.5	2.2	0.22	111	9	20	2.8	270	1170	65
132	M3BM	315 LKB	1278	1.6	2.3	0.22	131	8	20	3.2	290	1240	65
150	M3BM	315 LKC	1445	1.4	2.9	0.17	148	8	18	3.3	300	1270	65
160	M3BM	355 LKA	1541	1.5	2.4	0.18	157	8	20	4.6	350	1660	70
200	M3BM	355 LKB	1928	1.4	2.2	0.18	192	9	20	5.7	410	1850	70
250	M3BM	355 LKC	2410	1.5	2.3	0.18	236	8	20	6.9	480	2040	70
315	M3BM	400 L	3036	1.6	2.2	0.18	291	7	18	14.6	670	2500	75
355	M3BM	400 LA	3422	1.6	2.2	0.18	324	7	18	17.4	770	2740	75
400	M3BM	400 LB	3854	1.7	2.3	0.18	360	7	18	20.1	870	2970	75
450	M3BM	400 LKA	4323	1.2	2.5	0.14	400	9	22	17.9	870	3090	78
500	M3BM	400 LKB	4805	1.2	2.4	0.14	439	9	22	20.5	960	3320	78
530	M3BM	400 LKC	5090	1.4	2.7	0.13	463	8	20	21.1	980	3390	78
560	M3BM	450 LA	5379	1.1	2.5	0.14	486	10	20	29.2	1040	3990	78
630	M3BM	450 LB	6049	1.2	2.6	0.14	539	9	20	34.5	1190	4370	78
710	M3BM	450 LC	6817	1.3	2.6	0.14	598	8	20	36.7	1250	4520	78
1000 r/min = 6 poles			3300 V 50 Hz										
112	M3BM	315 LKA	1080	1.2	2.7	0.17	113	9	20	3.0	280	1200	65
132	M3BM	315 LKB	1277	1.6	2.4	0.22	131	8	20	3.2	290	1240	65
150	M3BM	315 LKC	1445	1.4	2.9	0.17	148	8	18	3.3	300	1270	65
160	M3BM	355 LKA	1540	1.5	2.5	0.18	157	8	20	4.6	350	1660	70
200	M3BM	355 LKB	1928	1.4	2.2	0.18	192	9	20	5.7	410	1850	70
250	M3BM	355 LKC	2412	1.4	2.2	0.18	236	9	20	6.9	480	2040	70
315	M3BM	400 L	3037	1.5	2.1	0.18	291	8	18	14.6	670	2500	75
355	M3BM	400 LA	3421	1.6	2.2	0.18	324	7	18	17.4	770	2730	75
400	M3BM	400 LB	3855	1.7	2.2	0.18	360	7	18	20.1	870	2970	75
450	M3BM	400 LKA	4324	1.2	2.4	0.13	400	9	22	18.5	890	3160	78
500	M3BM	400 LKB	4805	1.2	2.4	0.14	439	9	22	20.5	960	3320	78
530	M3BM	400 LKC	5090	1.3	2.7	0.14	463	8	20	21.1	980	3380	78
560	M3BM	450 LA	5379	1.1	2.5	0.14	486	9	20	30.3	1070	4070	78
630	M3BM	450 LB	6049	1.2	2.6	0.14	539	8	20	34.5	1190	4370	78
710	M3BM	450 LC	6817	1.3	2.6	0.14	598	8	20	36.7	1250	4520	78
1000 r/min = 6 poles			6000 V 50 Hz										
220	M3BM	355 LKA	2118	1.7	2.5	0.21	210	7	16	8.1	540	2160	70
250	M3BM	355 LKB	2406	1.1	2.4	0.16	203	9	14	8.0	530	2150	70
280	M3BM	400 L	2697	1.3	2.2	0.16	261	9	20	10.5	590	2530	75
315	M3BM	400 LA	3033	1.4	2.3	0.16	291	8	20	11.8	640	2700	75
355	M3BM	400 LB	3421	1.4	2.2	0.16	324	8	20	12.7	680	2820	75
400	M3BM	400 LKA	3848	0.9	2.4	0.11	360	12	22	11.9	730	3090	78
450	M3BM	400 LKB	4331	0.8	2.3	0.11	400	12	22	13.2	780	3260	78
475	M3BM	400 LKC	4569	0.9	2.5	0.11	420	10	22	14.0	820	3380	78
500	M3BM	450 LA	4801	1.2	2.7	0.14	439	9	20	28.2	1010	3880	78
560	M3BM	450 LB	5377	1.2	2.6	0.14	486	9	20	32.4	1130	4180	78
630	M3BM	450 LC	6050	1.4	2.5	0.16	539	7	20	37.2	1260	4480	78
650	M3BM	450 LD	6242	1.2	2.6	0.14	554	9	20	36.7	1250	4470	78
1000 r/min = 6 poles			6600 V 50 Hz										
250	M3BM	355 LKA	2403	1.3	2.8	0.16	236	8	14	8.3	540	2190	70
280	M3BM	400 L	2697	1.3	2.2	0.17	261	9	20	10.1	570	2470	75
315	M3BM	400 LA	3031	1.5	2.4	0.16	291	8	20	11.8	640	2700	75
355	M3BM	400 LB	3419	1.4	2.3	0.16	324	8	20	12.7	680	2820	75
400	M3BM	400 LKA	3847	0.9	2.4	0.11	360	11	22	11.9	730	3080	78
450	M3BM	400 LKB	4331	0.9	2.3	0.11	400	11	22	13.2	780	3260	78
475	M3BM	400 LKC	4569	0.9	2.5	0.11	420	10	22	14.0	820	3370	78
500	M3BM	450 LA	4802	1.1	2.5	0.14	439	10	20	29.2	1040	3950	78
560	M3BM	450 LB	5379	1.1	2.5	0.14	486	9	20	32.4	1130	4170	78
630	M3BM	450 LC	6051	1.2	2.5	0.14	539	9	20	36.7	1250	4470	78

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

					Efficiency ⁴⁾		Power factor		Current			
					Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	I _N A	I _s I _N	I ₀ A	
Output kW	Motor type	Product code			Speed r/min							
750 r/min = 8 poles					3000 V	50 Hz						
200	M3BM	400 LA	3GBM	404 510-•QA	742	94.8	95.0	0.79	0.76	51	5.3	21
220	M3BM	400 LB	3GBM	404 520-•QA	742	95.0	95.1	0.79	0.75	56	5.5	24
250	M3BM	400 LC	3GBM	404 530-•QA	742	95.2	95.3	0.80	0.76	63	5.4	25
280	M3BM	400 LD	3GBM	404 540-•QA	741	95.1	95.4	0.80	0.77	70	5.2	26
300	M3BM	400 LE	3GBM	404 550-•QA	741	95.3	95.5	0.80	0.77	75	5.4	29
315	M3BM	400 LKA	3GBM	404 810-•QA	744	95.5	95.6	0.77	0.73	82	5.2	37
355	M3BM	400 LKB	3GBM	404 820-•QA	744	95.6	95.7	0.78	0.74	91	5.1	39
375	M3BM	400 LKC	3GBM	404 830-•QA	744	95.8	95.7	0.76	0.71	98	5.6	47
400	M3BM	450 LA	3GBM	454 510-•QA	746	96.0	95.9	0.78	0.74	102	5.9	46
450	M3BM	450 LB	3GBM	454 520-•QA	746	96.1	96.0	0.78	0.73	115	6.0	53
500	M3BM	450 LC	3GBM	454 530-•QA	746	96.2	96.1	0.78	0.74	127	6.1	58
530	M3BM	450 LD	3GBM	454 540-•QA	746	96.2	96.1	0.78	0.73	135	6.1	62
750 r/min = 8 poles					3300 V	50 Hz						
200	M3BM	400 LA	3GBM	404 510-•RA	742	94.7	95.0	0.79	0.76	46	5.2	19
220	M3BM	400 LB	3GBM	404 520-•RA	742	94.9	95.1	0.80	0.76	51	5.3	20
250	M3BM	400 LC	3GBM	404 530-•RA	741	95.0	95.3	0.80	0.78	57	5.0	21
280	M3BM	400 LD	3GBM	404 540-•RA	741	95.2	95.5	0.80	0.77	64	5.5	25
300	M3BM	400 LE	3GBM	404 550-•RA	741	95.2	95.4	0.80	0.77	69	5.5	27
315	M3BM	400 LKA	3GBM	404 810-•RA	744	95.6	95.6	0.77	0.72	74	5.3	34
355	M3BM	400 LKB	3GBM	404 820-•RA	744	95.6	95.7	0.78	0.74	83	5.1	36
375	M3BM	400 LKC	3GBM	404 830-•RA	744	95.7	95.7	0.77	0.72	89	5.5	42
400	M3BM	450 LA	3GBM	454 510-•RA	745	96.0	95.9	0.78	0.74	93	5.9	42
450	M3BM	450 LB	3GBM	454 520-•RA	745	96.1	96.0	0.78	0.73	104	5.9	47
500	M3BM	450 LC	3GBM	454 530-•RA	745	96.2	96.1	0.79	0.75	114	5.8	49
530	M3BM	450 LD	3GBM	454 540-•RA	745	96.2	96.1	0.80	0.75	121	5.8	52
750 r/min = 8 poles					6000 V	50 Hz						
160	M3BM	400 LA	3GBM	404 510-•TA	741	94.1	94.2	0.76	0.71	21	5.2	10
180	M3BM	400 LB	3GBM	404 520-•TA	740	94.2	94.4	0.77	0.72	24	5.0	11
200	M3BM	400 LC	3GBM	404 530-•TA	740	94.5	94.6	0.77	0.73	26	5.1	12
220	M3BM	400 LD	3GBM	404 540-•TA	740	94.5	94.7	0.78	0.74	29	5.0	12
250	M3BM	400 LE	3GBM	404 551-•TA	740	94.8	94.9	0.77	0.72	33	5.3	15
280	M3BM	400 LKA	3GBM	404 810-•TA	743	95.3	95.3	0.77	0.72	37	5.3	17
315	M3BM	400 LKB	3GBM	404 820-•TA	743	95.4	95.4	0.76	0.71	42	5.4	20
355	M3BM	450 LA	3GBM	454 510-•TA	746	95.7	95.6	0.78	0.74	45	5.8	20
400	M3BM	450 LB	3GBM	454 520-•TA	746	95.8	95.7	0.79	0.74	51	5.8	23
450	M3BM	450 LC	3GBM	454 530-•TA	745	96.0	95.9	0.80	0.76	56	5.7	24
500	M3BM	450 LD	3GBM	454 540-•TA	745	96.1	96.0	0.80	0.76	62	5.7	26
750 r/min = 8 poles					6600 V	50 Hz						
160	M3BM	400 LA	3GBM	404 510-•SA	741	94.2	94.2	0.76	0.71	20	5.4	9
180	M3BM	400 LB	3GBM	404 520-•SA	741	94.3	94.3	0.76	0.70	22	5.3	11
200	M3BM	400 LC	3GBM	404 530-•SA	740	94.3	94.6	0.78	0.74	24	4.8	10
220	M3BM	400 LD	3GBM	404 540-•SA	740	94.6	94.7	0.77	0.72	26	5.2	12
250	M3BM	400 LE	3GBM	404 551-•SA	741	94.8	94.8	0.76	0.71	30	5.5	14
280	M3BM	400 LKA	3GBM	404 810-•SA	743	95.3	95.3	0.76	0.71	34	5.4	16
315	M3BM	400 LKB	3GBM	404 820-•SA	743	95.4	95.4	0.76	0.71	38	5.4	18
355	M3BM	450 LA	3GBM	454 510-•SA	745	95.7	95.6	0.79	0.75	41	5.7	18
400	M3BM	450 LB	3GBM	454 520-•SA	745	95.8	95.8	0.80	0.75	46	5.7	19
450	M3BM	450 LC	3GBM	454 530-•SA	745	95.9	95.9	0.80	0.76	51	5.6	21
500	M3BM	450 LD	3GBM	454 540-•SA	745	96.0	96.1	0.81	0.77	56	5.5	22

¹⁾ The given values of load inertia assume three starts from cold and two starts from warm conditions in succession against quadratic load torque with 90% of the rated torque at the rated speed and at 80% of the rated voltage. To check validity against other starting requirements, contact ABB.

²⁾ Starting time with given values of the load inertia from cold condition in succession against quadratic load torque with 90% of the rated torque at the rated speed and at rated voltage.

³⁾ The sound pressure levels are presented at no-load. The magnetic noise level of 2- and 4-pole motors is typically low compared to the fan noise, resulting no increase in the noise level on-load. The variation and measuring tolerance of the figures is +3 dB(A).

⁴⁾ Efficiency based on typical additional load losses acc. to measurements.

The bullet in the product code indicates choice of mounting arrangement (see ordering information page).

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW	Motor type	Torque			Power factor cos φ _k	Load inertia ¹⁾ kgm ²	Starting time cold ²⁾ s	Maximum stalling time hot s	Rotor inertia kgm ²	Rotor weight kg	Motor weight kg	Sound pressure level LP ³⁾ dB(A)	
		T _N	T _S	T _{max}									
		Nm	T _N	T _N									
750 r/min = 8 poles					3000 V 50 Hz								
200	M3BM 400 LA	2575	1.0	2.4	0.15	388	10	22	13.6	630	2380	75	
220	M3BM 400 LB	2831	1.1	2.5	0.14	423	10	22	15.0	680	2500	75	
250	M3BM 400 LC	3219	1.1	2.4	0.14	476	10	22	17.7	780	2740	75	
280	M3BM 400 LD	3610	1.1	2.3	0.14	528	10	22	19.1	830	2840	75	
300	M3BM 400 LE	3866	1.1	2.4	0.14	562	9	22	20.5	870	2970	75	
315	M3BM 400 LKA	4041	1.2	2.2	0.17	587	11	20	20.0	880	3090	75	
355	M3BM 400 LKB	4557	1.2	2.1	0.17	655	11	20	22.0	950	3270	75	
375	M3BM 400 LKC	4810	1.3	2.3	0.17	688	10	20	23.3	990	3390	75	
400	M3BM 450 LA	5123	1.1	2.5	0.14	730	11	20	30.8	1080	4050	76	
450	M3BM 450 LB	5763	1.2	2.5	0.14	811	10	20	33.0	1140	4210	76	
500	M3BM 450 LC	6404	1.2	2.5	0.14	892	10	20	37.3	1260	4510	76	
530	M3BM 450 LD	6787	1.2	2.6	0.14	940	10	20	39.5	1330	4640	76	
750 r/min = 8 poles					3300 V 50 Hz								
200	M3BM 400 LA	2575	1.0	2.3	0.15	388	11	22	13.6	630	2380	75	
220	M3BM 400 LB	2833	1.1	2.4	0.14	423	10	22	15.0	680	2500	75	
250	M3BM 400 LC	3223	1.0	2.2	0.14	476	11	22	17.7	780	2730	75	
280	M3BM 400 LD	3607	1.1	2.4	0.14	528	9	22	19.1	830	2850	75	
300	M3BM 400 LE	3865	1.1	2.4	0.14	562	9	22	20.5	870	2950	75	
315	M3BM 400 LKA	4041	1.2	2.2	0.17	587	11	20	20.0	880	3110	75	
355	M3BM 400 LKB	4557	1.2	2.1	0.17	655	11	20	22.0	950	3260	75	
375	M3BM 400 LKC	4811	1.3	2.3	0.17	688	10	20	23.3	990	3380	75	
400	M3BM 450 LA	5124	1.1	2.5	0.14	730	11	20	30.8	1080	4050	76	
450	M3BM 450 LB	5764	1.2	2.5	0.14	811	10	20	33.0	1140	4200	76	
500	M3BM 450 LC	6406	1.1	2.4	0.14	892	10	20	37.3	1260	4510	76	
530	M3BM 450 LD	6790	1.1	2.4	0.14	940	10	20	39.5	1330	4630	76	
750 r/min = 8 poles					6000 V 50 Hz								
160	M3BM 400 LA	2062	1.1	2.5	0.16	315	10	22	10.2	560	2390	75	
180	M3BM 400 LB	2322	1.0	2.4	0.16	352	11	22	10.7	580	2460	75	
200	M3BM 400 LC	2580	1.1	2.4	0.15	388	10	22	12.1	640	2630	75	
220	M3BM 400 LD	2840	1.0	2.3	0.15	423	10	22	13.0	680	2750	75	
250	M3BM 400 LE	3225	1.2	2.5	0.15	476	9	22	14.4	740	2930	75	
280	M3BM 400 LKA	3597	1.0	2.4	0.13	528	11	20	15.0	790	3230	75	
315	M3BM 400 LKB	4047	1.0	2.5	0.13	587	10	20	15.9	830	3350	75	
355	M3BM 450 LA	4547	1.1	2.4	0.15	655	11	20	28.6	1020	3850	76	
400	M3BM 450 LB	5124	1.1	2.4	0.15	730	11	20	30.8	1080	4000	76	
450	M3BM 450 LC	5766	1.1	2.3	0.15	811	11	20	35.2	1200	4300	76	
500	M3BM 450 LD	6406	1.1	2.3	0.15	892	11	20	39.5	1330	4600	76	
750 r/min = 8 poles					6600 V 50 Hz								
160	M3BM 400 LA	2061	1.1	2.6	0.16	315	10	22	10.7	580	2450	75	
180	M3BM 400 LB	2319	1.1	2.6	0.16	352	10	22	10.7	580	2450	75	
200	M3BM 400 LC	2583	1.0	2.3	0.15	388	11	22	12.1	640	2630	75	
220	M3BM 400 LD	2838	1.1	2.5	0.15	423	10	22	13.0	680	2750	75	
250	M3BM 400 LE	3223	1.2	2.6	0.15	476	9	22	14.4	740	2920	75	
280	M3BM 400 LKA	3596	1.0	2.5	0.13	528	10	20	15.0	790	3230	75	
315	M3BM 400 LKB	4047	1.0	2.5	0.13	587	10	20	15.9	830	3350	75	
355	M3BM 450 LA	4548	1.1	2.4	0.15	655	11	20	29.7	1050	3920	76	
400	M3BM 450 LB	5125	1.1	2.3	0.15	730	11	20	31.9	1110	4070	76	
450	M3BM 450 LC	5767	1.1	2.3	0.15	811	12	20	35.2	1200	4300	76	
500	M3BM 450 LD	6408	1.1	2.2	0.15	892	12	20	39.5	1330	4590	76	

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW	Motor type	Product	code	Speed r/min	Efficiency ⁴⁾		Power factor		Current			
					Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	I _N A	I _S I _N	I ₀ A	
1500 r/min = 4 poles					10000 V 50 Hz							
355	M3BM	450 LA	3GBM	452 510-●YA	1492	95.3	95.0	0.83	0.80	26	5.7	10
400	M3BM	450 LB	3GBM	452 520-●YA	1492	95.5	95.3	0.82	0.79	29	5.7	11
450	M3BM	450 LC	3GBM	452 530-●YA	1492	95.7	95.5	0.83	0.79	33	6.0	13
500	M3BM	450 LD	3GBM	452 540-●YA	1493	95.9	95.7	0.83	0.79	36	6.2	14
560	M3BM	450 LE	3GBM	452 550-●YA	1493	96.1	95.9	0.83	0.79	41	6.5	16
1000 r/min = 6 poles					10000 V 50 Hz							
315	M3BM	450 LA	3GBM	453 510-●YA	994	95.4	95.2	0.77	0.72	25	5.7	11
355	M3BM	450 LB	3GBM	453 520-●YA	994	95.5	95.4	0.77	0.72	28	5.7	13
400	M3BM	450 LC	3GBM	453 530-●YA	994	95.7	95.6	0.77	0.72	31	5.9	15
450	M3BM	450 LD	3GBM	453 540-●YA	994	95.9	95.7	0.77	0.71	35	6.0	17

¹⁾ **4-pole motors:** The given values of load inertia assume two starts from cold and one start from warm conditions in succession against quadratic load torque with 85% of the rated torque at the rated speed and at 80% of the rated voltage.

6-pole motors: The given values of load inertia assume two starts from cold and one start from warm conditions in succession against quadratic load torque with 90% of the rated torque at the rated speed and at 80% of the rated voltage.
To check validity against other starting requirements, contact ABB.

²⁾ **4-pole motors:** Starting time with given values of the load inertia from cold condition in succession against quadratic load torque with 85% of the rated torque at the rated speed and at rated voltage.

6-pole motors: Starting time with given values of the load inertia from cold condition in succession against quadratic load torque with 90% of the rated torque at the rated speed and at rated voltage.

³⁾ The sound pressure levels are presented at no-load. The magnetic noise level of 2- and 4-pole motors is typically low compared to the fan noise, resulting no increase in the noise level on-load. The variation and measuring tolerance of the figures is +3 dB(A).

⁴⁾ Efficiency based on typical additional load losses acc. to measurements.

The bullet in the product code indicates choice of mounting arrangement (see ordering information page).

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW	Motor type	Torque			Power factor cos ϕ_k	Load inertia ¹⁾ kgm ²	Starting time cold ²⁾ s	Maximum stalling time hot s	Rotor inertia kgm ²	Rotor weight kg	Motor weight kg	Sound pressure level LP ³⁾ dB(A)
		T _N Nm	T _S T _N	T _{max} T _N								
1500 r/min = 4 poles		10000 V 50 Hz										
355	M3BM 450 LA	2272	0.7	2.5	0.11	119	14	20	11.9	660	3610	83
400	M3BM 450 LB	2559	0.7	2.6	0.11	132	13	20	12.3	680	3690	83
450	M3BM 450 LC	2879	0.8	2.6	0.11	147	11	20	13.2	710	3800	83
500	M3BM 450 LD	3199	0.8	2.7	0.11	161	10	20	14.0	740	3960	83
560	M3BM 450 LE	3582	0.9	2.8	0.11	177	9	20	15.2	790	4180	83
1000 r/min = 6 poles		10000 V 50 Hz										
315	M3BM 450 LA	3027	0.8	2.6	0.12	291	11	20	14.0	740	3850	78
355	M3BM 450 LB	3412	0.9	2.6	0.12	324	10	20	14.8	780	4000	78
400	M3BM 450 LC	3844	0.9	2.7	0.12	360	10	20	15.7	810	4150	78
450	M3BM 450 LD	4323	0.9	2.7	0.11	400	9	20	17.0	860	4380	78

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW	Motor type	Product	code	Speed r/min	Efficiency ⁴⁾		Power factor		Current				
					Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	I _N A	I _s	I ₀		
										I _N	A		
3000 r/min = 2 poles					3300 V 50 Hz								
180 ⁵⁾	M3BM	355 LKA	3GBM 351 810-•RB	2979	94.5	94.4	0.90	0.90	37	5.4	7		
200 ⁵⁾	M3BM	355 LKB	3GBM 351 820-•RB	2980	95.0	94.9	0.91	0.91	40	5.4	7		
224 ⁵⁾	M3BM	355 LKC	3GBM 351 830-•RB	2980	95.2	95.2	0.91	0.92	45	5.4	7		
250 ⁵⁾	M3BM	355 LKD	3GBM 351 840-•RB	2980	95.4	95.4	0.91	0.92	50	5.4	8		
265 ⁵⁾	M3BM	355 LKE	3GBM 351 850-•RB	2978	95.4	95.5	0.91	0.92	53	5.4	8		
280 ⁵⁾	M3BM	400 LKA	3GBM 401 810-•RB	2982	95.4	95.4	0.91	0.91	56	5.4	10		
315 ⁵⁾	M3BM	400 LKB	3GBM 401 820-•RB	2982	95.7	95.6	0.90	0.90	64	5.4	12		
355 ⁵⁾	M3BM	400 LKC	3GBM 401 830-•RB	2983	95.9	95.9	0.91	0.91	71	5.4	12		
400 ⁵⁾	M3BM	400 LKD	3GBM 401 840-•RB	2983	96.2	96.3	0.92	0.92	79	5.4	11		
450 ⁵⁾	M3BM	400 LKE	3GBM 401 850-•RB	2982	96.3	96.4	0.92	0.93	89	5.4	12		
3000 r/min = 2 poles					6600 V 50 Hz								
224 ⁵⁾	M3BM	400 LKA	3GBM 401 810-•SB	2982	94.9	94.6	0.88	0.88	23	5.5	5		
250 ⁵⁾	M3BM	400 LKB	3GBM 401 820-•SB	2982	95.1	94.9	0.88	0.88	26	5.4	5		
280 ⁵⁾	M3BM	400 LKC	3GBM 401 830-•SB	2982	95.2	95.2	0.91	0.91	28	5.4	5		
315 ⁵⁾	M3BM	400 LKD	3GBM 401 840-•SB	2982	95.3	95.4	0.91	0.91	32	5.4	5		
355 ⁵⁾	M3BM	400 LKE	3GBM 401 850-•SB	2982	95.6	95.8	0.91	0.92	36	5.4	5		
400 ⁵⁾	M3BM	400 LKF	3GBM 401 860-•SB	2982	95.9	96.1	0.91	0.93	40	5.4	6		

¹⁾ **355LK:** The given values of load inertia assume two starts from cold and one start from warm conditions in succession against quadratic load torque with 75% of the rated torque at the rated speed and at 80% of the rated voltage.

400LK: The given values of load inertia assume two starts from cold and one start from warm conditions in succession against quadratic load torque with 70% of the rated torque at the rated speed and at 80% of the rated voltage. To check validity against other starting requirements, contact ABB.

²⁾ **355LK:** Starting time with given values of the load inertia from cold condition in succession against quadratic load torque with 75% of the rated torque at the rated speed and at rated voltage.

400LK: Starting time with given values of the load inertia from cold condition in succession against quadratic load torque with 70% of the rated torque at the rated speed and at rated voltage.

³⁾ The sound pressure levels are presented at no-load. The magnetic noise level of 2- and 4-pole motors is typically low compared to the fan noise, resulting no increase in the noise level on-load.

The variation and measuring tolerance of the figures is +3 dB(A).

⁴⁾ Efficiency based on typical additional load losses acc. to measurements.

⁵⁾ Unidirectional fan construction as standard. Direction of rotation must be stated when ordering, see variant codes 044 and 045.

The bullet in the product code indicates choice of mounting arrangement (see ordering information page).

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW		Motor type	Torque			Power factor cos φ _k	Load inertia ¹⁾ kgm ²	Starting time cold ²⁾ s	Maximum stalling time hot s	Rotor inertia kgm ²	Rotor weight kg	Motor weight kg	Sound pressure level LP ³⁾ dB(A)
			T _N	T _S	T _{max}								
			Nm	T _N	T _N								
3000 r/min = 2 poles							3300 V 50 Hz						
180	⁵⁾	M3BM 355 LKA	577	0.5	2.5	0.11	13	14	20	3.2	290	1750	78
200	⁵⁾	M3BM 355 LKB	641	0.6	2.5	0.11	15	14	20	3.9	340	1990	78
224	⁵⁾	M3BM 355 LKC	718	0.6	2.5	0.10	16	13	20	4.8	360	2080	78
250	⁵⁾	M3BM 355 LKD	801	0.6	2.5	0.10	18	13	20	5.5	390	2220	78
265	⁵⁾	M3BM 355 LKE	850	0.6	2.4	0.10	19	13	20	5.5	390	2220	78
280	⁵⁾	M3BM 400 LKA	897	0.4	2.5	0.09	20	18	25	5.6	430	2450	79
315	⁵⁾	M3BM 400 LKB	1009	0.5	2.5	0.09	22	16	25	6.0	440	2510	79
355	⁵⁾	M3BM 400 LKC	1137	0.5	2.5	0.09	24	15	25	7.6	500	2750	79
400	⁵⁾	M3BM 400 LKD	1281	0.6	2.5	0.09	27	14	20	10.0	570	3100	79
450	⁵⁾	M3BM 400 LKE	1441	0.6	2.4	0.10	30	14	20	10.8	600	3200	79
3000 r/min = 2 poles							6600 V 50 Hz						
224	⁵⁾	M3BM 400 LKA	717	0.8	2.4	0.13	16	12	20	7.3	480	2530	79
250	⁵⁾	M3BM 400 LKB	801	0.8	2.4	0.12	18	11	20	6.4	480	2530	79
280	⁵⁾	M3BM 400 LKC	897	0.5	2.5	0.10	20	17	25	6.7	460	2500	79
315	⁵⁾	M3BM 400 LKD	1009	0.5	2.5	0.10	19	14	20	6.7	460	2510	79
355	⁵⁾	M3BM 400 LKE	1137	0.5	2.5	0.10	24	15	20	7.7	510	2740	79
400	⁵⁾	M3BM 400 LKF	1281	0.6	2.4	0.10	27	14	20	10.4	580	3090	79

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW	Motor type	Product	code	Speed r/min	Efficiency ⁴⁾		Power factor		Current			
					Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	I _N A	$\frac{I_S}{I_N}$	I ₀ A	
1500 r/min = 4 poles					3300 V 50 Hz							
132	M3BM	315 LKA	3GBM	312 810-•RB	1486	94.5	94.5	0.85	0.83	29	5.3	10
140	M3BM	315 LKB	3GBM	312 820-•RB	1486	94.7	94.7	0.85	0.83	30	5.4	10
160	M3BM	315 LKC	3GBM	312 830-•RB	1485	94.8	94.9	0.85	0.83	34	5.2	11
180	M3BM	355 LKA	3GBM	352 810-•RB	1490	94.9	94.6	0.83	0.79	40	5.4	15
200	M3BM	355 LKB	3GBM	352 820-•RB	1490	95.2	94.9	0.84	0.81	44	5.3	15
224	M3BM	355 LKC	3GBM	352 830-•RB	1490	95.4	95.2	0.84	0.82	49	5.3	16
250	M3BM	355 LKD	3GBM	352 840-•RB	1490	95.6	95.4	0.84	0.82	54	5.4	18
280	M3BM	355 LKE	3GBM	352 850-•RB	1490	95.6	95.5	0.85	0.82	60	5.2	20
315	M3BM	355 LKF	3GBM	352 860-•RB	1490	95.8	95.7	0.85	0.83	68	5.4	22
335	M3BM	355 LKG	3GBM	352 870-•RB	1490	96.0	96.0	0.85	0.83	72	5.7	23
355	M3BM	400 LKA	3GBM	402 810-•RB	1489	95.8	95.8	0.85	0.83	76	5.0	23
400	M3BM	400 LKB	3GBM	402 820-•RB	1490	96.1	96.0	0.85	0.83	86	5.3	27
450	M3BM	400 LKC	3GBM	402 830-•RB	1490	96.3	96.3	0.86	0.84	95	5.4	28
500	M3BM	400 LKD	3GBM	402 840-•RB	1490	96.4	96.4	0.86	0.85	105	5.5	29
560	M3BM	450 LA	3GBM	452 510-•RB	1491	96.3	96.3	0.86	0.86	117	5.4	31
600	M3BM	450 LB	3GBM	452 520-•RB	1491	96.4	96.4	0.87	0.86	125	5.4	32
1500 r/min = 4 poles					6600 V 50 Hz							
224	M3BM	355 LKA	3GBM	352 810-•SB	1487	95.2	95.2	0.84	0.82	24	5.4	8
250	M3BM	355 LKB	3GBM	352 820-•SB	1487	95.4	95.4	0.85	0.82	27	5.4	9
280	M3BM	400 LKA	3GBM	402 810-•SB	1491	95.2	95.0	0.84	0.81	31	5.4	11
315	M3BM	400 LKB	3GBM	402 820-•SB	1491	95.4	95.3	0.85	0.82	34	5.3	11
355	M3BM	400 LKC	3GBM	402 830-•SB	1490	95.8	95.8	0.86	0.85	37	5.3	11
400	M3BM	400 LKD	3GBM	402 840-•SB	1491	96.0	96.0	0.87	0.85	42	5.4	12
450	M3BM	400 LKE	3GBM	402 850-•SB	1490	96.1	96.2	0.87	0.86	47	5.3	13
500	M3BM	450 LA	3GBM	452 510-•SB	1491	96.1	96.0	0.86	0.85	53	5.4	14
560	M3BM	450 LB	3GBM	452 520-•SB	1491	96.3	96.2	0.86	0.85	59	5.4	16

¹⁾ **315LK:** The given values of load inertia assume three starts from cold and two starts from warm conditions in succession against quadratic load torque with 90% of the rated torque at the rated speed and at 80% of the rated voltage.
355LK: The given values of load inertia assume two starts from cold and one start from warm conditions in succession against quadratic load torque with 80% of the rated torque at the rated speed and at 80% of the rated voltage.
400LK, 450L: The given values of load inertia assume two starts from cold and one start from warm conditions in succession against quadratic load torque with 75% of the rated torque at the rated speed and at 80% of the rated voltage.
 To check validity against other starting requirements, contact ABB.

²⁾ **315LK:** Starting time with given values of the load inertia from cold condition in succession against quadratic load torque with 90% of the rated torque at the rated speed and at rated voltage.
355LK: Starting time with given values of the load inertia from cold condition in succession against quadratic load torque with 80% of the rated torque at the rated speed and at rated voltage.
400LK, 450L: Starting time with given values of the load inertia from cold condition in succession against quadratic load torque with 75% of the rated torque at the rated speed and at rated voltage.

³⁾ The sound pressure levels are presented at no-load. The magnetic noise level of 2- and 4-pole motors is typically low compared to the fan noise, resulting no increase in the noise level on-load.

The variation and measuring tolerance of the figures is +3 dB(A).

⁴⁾ Efficiency based on typical additional load losses acc. to measurements.

The bullet in the product code indicates choice of mounting arrangement (see ordering information page).

HV Process performance cast iron motors Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW	Motor type	Torque			Power factor cos φ _k	Load inertia ¹⁾ kgm ²	Starting time cold ²⁾ s	Maximum stalling time hot s	Rotor inertia kgm ²	Rotor weight kg	Motor weight kg	Sound pressure level LP ³⁾ dB(A)
		T _N	T _S	T _{max}								
		Nm	T _N	T _N								
1500 r/min = 4 poles					3300 V	50 Hz						
132	M3BM 315 LKA	848	0.8	2.5	0.15	49	11	20	2.0	220	1180	73
140	M3BM 315 LKB	900	0.9	2.5	0.15	52	10	20	2.0	230	1220	73
160	M3BM 315 LKC	1029	0.8	2.4	0.15	58	11	20	2.3	240	1250	73
180	M3BM 355 LKA	1153	1.0	2.4	0.15	65	11	20	5.6	370	1760	74
200	M3BM 355 LKB	1282	1.0	2.4	0.15	71	11	20	6.4	400	1850	74
224	M3BM 355 LKC	1435	1.0	2.3	0.15	79	11	20	7.2	430	1940	74
250	M3BM 355 LKD	1602	1.0	2.4	0.15	87	10	20	8.0	460	2030	74
280	M3BM 355 LKE	1795	1.0	2.3	0.15	97	10	20	8.4	470	2060	74
315	M3BM 355 LKF	2019	1.0	2.3	0.15	107	10	20	9.6	520	2200	74
335	M3BM 355 LKG	2147	1.1	2.4	0.15	113	9	20	10.4	550	2290	74
355	M3BM 400 LKA	2277	0.7	2.2	0.11	119	13	20	9.6	560	2680	79
400	M3BM 400 LKB	2564	0.7	2.3	0.11	132	12	18	12.0	600	2800	79
450	M3BM 400 LKC	2884	0.7	2.3	0.11	147	12	18	11.9	660	3030	79
500	M3BM 400 LKD	3204	0.8	2.3	0.11	161	11	18	18.0	760	3360	79
560	M3BM 450 LA	3586	1.0	2.3	0.13	177	10	20	23.5	970	4280	83
600	M3BM 450 LB	3843	1.0	2.2	0.13	188	10	20	30.7	1070	4590	83
1500 r/min = 4 poles					6600 V	50 Hz						
224	M3BM 355 LKA	1438	1.1	2.3	0.16	79	9	20	4.8	390	2050	74
250	M3BM 355 LKB	1606	1.1	2.3	0.16	87	9	20	5.5	420	2190	74
280	M3BM 400 LKA	1793	1.0	2.4	0.15	97	10	20	9.7	560	2560	79
315	M3BM 400 LKB	2018	0.7	2.3	0.12	107	13	20	9.6	560	2600	79
355	M3BM 400 LKC	2275	0.7	2.3	0.12	119	13	20	13.8	650	2900	79
400	M3BM 400 LKD	2562	0.7	2.4	0.11	132	12	20	16.2	710	3130	79
450	M3BM 400 LKE	2884	0.7	2.3	0.11	147	12	20	17.4	750	3240	79
500	M3BM 450 LA	3202	1.1	2.2	0.15	161	9	20	28.6	1030	4380	83
560	M3BM 450 LB	3586	1.1	2.2	0.15	177	9	20	30.7	1080	4550	83

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW	Motor type	Product	code	Speed r/min	Efficiency ⁴⁾		Power factor		Current			
					Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	I _N A	$\frac{I_S}{I_N}$	$\frac{I_0}{A}$	
1000 r/min = 6 poles					3300 V 50 Hz							
112	M3BM	315 LKA	3GBM	313 810-•RB	990	94.6	94.7	0.79	0.75	26	5.2	11
125	M3BM	315 LKB	3GBM	313 820-•RB	990	94.7	94.9	0.79	0.75	29	5.1	13
132	M3BM	315 LKC	3GBM	313 830-•RB	991	94.9	95.0	0.78	0.73	31	5.4	14
140	M3BM	355 LKA	3GBM	353 810-•RB	993	95.2	95.2	0.78	0.74	33	5.0	14
160	M3BM	355 LKB	3GBM	353 820-•RB	993	95.5	95.5	0.79	0.75	37	5.2	16
180	M3BM	355 LKC	3GBM	353 830-•RB	993	95.6	95.6	0.78	0.74	42	5.2	18
200	M3BM	355 LKD	3GBM	353 840-•RB	993	95.8	95.8	0.79	0.75	46	5.2	20
224	M3BM	355 LKE	3GBM	353 850-•RB	993	95.9	95.9	0.79	0.74	52	5.3	22
250	M3BM	355 LKF	3GBM	353 860-•RB	992	95.8	95.9	0.79	0.75	58	5.1	24
280	M3BM	355 LKG	3GBM	353 870-•RB	993	96.0	96.1	0.79	0.74	65	5.3	28
355	M3BM	400 LKA	3GBM	403 811-•RB	994	96.1	96.1	0.81	0.78	80	5.3	30
400	M3BM	400 LKB	3GBM	403 821-•RB	994	96.3	96.3	0.81	0.78	89	5.5	34
425	M3BM	400 LKC	3GBM	403 831-•RB	993	96.3	96.4	0.82	0.79	94	5.5	34
450	M3BM	450 LA	3GBM	453 510-•RB	993	96.3	96.4	0.84	0.83	96	5.4	29
500	M3BM	450 LB	3GBM	453 520-•RB	993	96.4	96.5	0.85	0.83	107	5.5	32
560	M3BM	450 LC	3GBM	453 530-•RB	993	96.5	96.6	0.85	0.84	119	5.5	34
1000 r/min = 6 poles					6600 V 50 Hz							
150	M3BM	355 LKA	3GBM	353 810-•SB	991	94.9	94.9	0.77	0.72	18	5.2	8
160	M3BM	355 LKB	3GBM	353 820-•SB	991	95.0	95.0	0.78	0.73	19	5.2	9
180	M3BM	355 LKC	3GBM	353 830-•SB	990	95.1	95.2	0.78	0.74	21	5.0	9
200	M3BM	355 LKD	3GBM	353 840-•SB	990	95.3	95.3	0.77	0.72	24	5.2	11
280	M3BM	400 LKA	3GBM	403 811-•SB	993	95.6	95.5	0.78	0.74	33	5.2	14
315	M3BM	400 LKB	3GBM	403 821-•SB	993	95.8	95.7	0.79	0.75	37	5.3	15
355	M3BM	400 LKC	3GBM	403 831-•SB	993	96.0	95.9	0.79	0.75	41	5.4	17
375	M3BM	400 LKD	3GBM	403 841-•SB	993	96.1	96.0	0.80	0.76	43	5.4	17
400	M3BM	450 LA	3GBM	453 510-•SB	994	96.1	96.2	0.84	0.82	43	5.5	14
450	M3BM	450 LB	3GBM	453 520-•SB	994	96.2	96.3	0.84	0.83	48	5.3	15
500	M3BM	450 LC	3GBM	453 530-•SB	994	96.3	96.4	0.85	0.83	54	5.4	16
530	M3BM	450 LD	3GBM	453 540-•SB	993	96.3	96.5	0.85	0.84	56	5.4	16

¹⁾ **315LK, 355LK:** The given values of load inertia assume three starts from cold and two starts from warm conditions in succession against quadratic load torque with 90% of the rated torque at the rated speed and at 80% of the rated voltage.
400LK, 450L: The given values of load inertia assume two starts from cold and one start from warm conditions in succession against quadratic load torque with 80% of the rated torque at the rated speed and at 80% of the rated voltage.
 To check validity against other starting requirements, contact ABB.

²⁾ **315LK, 355LK:** Starting time with given values of the load inertia from cold condition in succession against quadratic load torque with 90% of the rated torque at the rated speed and at rated voltage.

400LK, 450L: Starting time with given values of the load inertia from cold condition in succession against quadratic load torque with 80% of the rated torque at the rated speed and at rated voltage.

³⁾ The sound pressure levels are presented at no-load. Sound level values of 6...8-pole motors at no-load are typically 1...3 dB(A) higher than the corresponding values at no-load. The variation and measuring tolerance of the figures is +3 dB(A).

⁴⁾ Efficiency based on typical additional load losses acc. to measurements.

The bullet in the product code indicates choice of mounting arrangement (see ordering information page).

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW	Motor type	Torque			Power factor cos φ _k	Load inertia ¹⁾ kgm ²	Starting time cold ²⁾ s	Maximum stalling time hot s	Rotor inertia kgm ²	Rotor weight kg	Motor weight kg	Sound pressure level LP ³⁾ dB(A)	
		T _N	T _S	T _{max}									
		Nm	T _N	T _N									
1000 r/min = 6 poles			3300 V 50 Hz										
112	M3BM	315 LKA	1080	1.1	2.3	0.18	113	11	20	3.7	290	1230	65
125	M3BM	315 LKB	1206	1.1	2.3	0.17	125	11	20	3.9	300	1270	65
132	M3BM	315 LKC	1272	1.2	2.5	0.17	131	10	20	4.1	310	1300	65
140	M3BM	355 LKA	1347	0.8	2.2	0.13	139	14	20	5.6	370	1740	70
160	M3BM	355 LKB	1539	0.9	2.3	0.13	157	14	20	6.8	410	1880	70
180	M3BM	355 LKC	1731	0.9	2.3	0.13	175	13	20	7.2	430	1920	70
200	M3BM	355 LKD	1924	0.9	2.3	0.13	192	13	20	8.0	460	2020	70
224	M3BM	355 LKE	2154	0.9	2.3	0.13	213	12	20	8.8	490	2110	70
250	M3BM	355 LKF	2406	0.9	2.2	0.13	236	12	20	9.2	500	2140	70
280	M3BM	355 LKG	2694	0.9	2.3	0.13	261	12	20	10.4	550	2270	70
355	M3BM	400 LKA	3412	1.0	2.3	0.14	324	11	22	17.9	860	3100	78
400	M3BM	400 LKB	3843	1.1	2.4	0.14	360	10	22	21.1	980	3390	78
425	M3BM	400 LKC	4085	1.1	2.2	0.13	380	11	22	21.0	980	3390	78
450	M3BM	450 LA	4327	1.2	2.2	0.16	400	10	20	33.6	1050	4010	78
500	M3BM	450 LB	4807	1.2	2.2	0.16	439	9	20	31.8	1110	4160	78
560	M3BM	450 LC	5385	1.2	2.2	0.16	486	9	20	45.4	1290	4590	78
1000 r/min = 6 poles			6600 V 50 Hz										
150	M3BM	355 LKA	1446	1.0	2.4	0.15	148	11	20	4.8	390	2040	70
160	M3BM	355 LKB	1543	1.0	2.4	0.15	157	11	20	5.0	410	2090	70
180	M3BM	355 LKC	1737	0.9	2.3	0.15	175	12	20	5.3	420	2130	70
200	M3BM	355 LKD	1929	1.0	2.4	0.15	192	11	20	5.7	440	2230	70
280	M3BM	400 LKA	2693	1.0	2.2	0.14	261	11	22	9.6	630	2740	78
315	M3BM	400 LKB	3030	1.1	2.2	0.14	291	11	22	10.9	680	2920	78
355	M3BM	400 LKC	3414	1.1	2.3	0.14	324	10	22	12.6	750	3150	78
375	M3BM	400 LKD	3606	1.1	2.2	0.14	340	10	22	14.3	830	3380	78
400	M3BM	450 LA	3844	1.2	2.2	0.17	360	10	20	30.8	1080	4030	78
450	M3BM	450 LB	4325	1.2	2.2	0.17	400	10	20	39.5	1170	4250	78
500	M3BM	450 LC	4805	1.2	2.2	0.17	439	10	20	43.9	1260	4470	78
530	M3BM	450 LD	5096	1.2	2.2	0.16	463	9	20	43.9	1260	4470	78

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW	Motor type	Product	code	Speed r/min	Efficiency ⁴⁾		Power factor		Current			
					Full load 100%	3/4 load 75%	Full load 100%	3/4 load 75%	I _N A	I _S I _N	I ₀ A	
750 r/min = 8 poles					3300 V 50 Hz							
160	M3BM	400 LKA	3GBM	404 810-•RB	744	94.8	94.7	0.76	0.71	39	5.0	19
180	M3BM	400 LKB	3GBM	404 820-•RB	744	95.0	95.0	0.77	0.73	43	4.9	19
200	M3BM	400 LKC	3GBM	404 830-•RB	744	95.2	95.2	0.78	0.73	47	5.0	21
224	M3BM	400 LKD	3GBM	404 840-•RB	744	95.3	95.3	0.78	0.74	53	5.3	23
250	M3BM	400 LKE	3GBM	404 850-•RB	745	95.5	95.5	0.78	0.73	59	5.5	26
280	M3BM	400 LKF	3GBM	404 860-•RB	745	95.7	95.6	0.78	0.74	65	5.4	29
315	M3BM	400 LKG	3GBM	404 870-•RB	744	95.7	95.7	0.78	0.74	73	5.4	33
355	M3BM	450 LA	3GBM	454 510-•RB	745	96.0	95.8	0.79	0.75	82	5.4	35
400	M3BM	450 LB	3GBM	454 520-•RB	745	96.1	95.9	0.79	0.74	92	5.5	40
450	M3BM	450 LC	3GBM	454 530-•RB	745	96.2	96.0	0.79	0.74	104	5.5	45
750 r/min = 8 poles					6600 V 50 Hz							
160	M3BM	400 LKA	3GBM	404 810-•SB	744	94.5	94.4	0.75	0.70	20	5.0	10
180	M3BM	400 LKB	3GBM	404 820-•SB	744	94.7	94.7	0.76	0.71	22	5.0	10
200	M3BM	400 LKC	3GBM	404 830-•SB	744	95.0	94.9	0.76	0.71	24	5.1	12
224	M3BM	400 LKD	3GBM	404 840-•SB	744	95.1	95.0	0.76	0.70	27	5.3	13
250	M3BM	400 LKE	3GBM	404 850-•SB	744	95.2	95.1	0.76	0.71	30	5.3	15
280	M3BM	400 LKF	3GBM	404 860-•SB	744	95.3	95.2	0.75	0.69	34	5.4	17
315	M3BM	450 LA	3GBM	454 510-•SB	745	95.7	95.5	0.79	0.75	36	5.4	16
355	M3BM	450 LB	3GBM	454 520-•SB	745	95.8	95.7	0.79	0.75	41	5.4	17
400	M3BM	450 LC	3GBM	454 530-•SB	745	95.9	95.8	0.79	0.75	46	5.3	19

¹⁾ **400LK:** The given values of load inertia assume three starts from cold and two starts from warm conditions in succession against quadratic load torque with 90% of the rated torque at the rated speed and at 80% of the rated voltage.
450L: The given values of load inertia assume two starts from cold and one start from warm conditions in succession against quadratic load torque with 85% of the rated torque at the rated speed and at 80% of the rated voltage.
 To check validity against other starting requirements, contact ABB.

²⁾ **400LK:** Starting time with given values of the load inertia from cold condition in succession against quadratic load torque with 90% of the rated torque at the rated speed and at rated voltage.
450L: Starting time with given values of the load inertia from cold condition in succession against quadratic load torque with 85% of the rated torque at the rated speed and at rated voltage.

³⁾ The sound pressure levels are presented at no-load. Sound level values of 6...8-pole motors at no-load are typically 1...3 dB(A) higher than the corresponding values at no-load. The variation and measuring tolerance of the figures is +3 dB(A).

⁴⁾ Efficiency based on typical additional load losses acc. to measurements.

The bullet in the product code indicates choice of mounting arrangement (see ordering information page).

HV Process performance cast iron motors

Technical data for totally enclosed squirrel cage three phase motors

IP 55 – IC 411 – Insulation class F, temperature rise class B, ambient temperature 40°C

Output kW	Motor type	Torque			Power factor cos ϕ_k	Load inertia ¹⁾ kgm ²	Starting time cold ²⁾ s	Maximum stalling time hot s	Rotor inertia kgm ²	Rotor weight kg	Motor weight kg	Sound pressure level LP ³⁾ dB(A)	
		T _N Nm	T _S T _N	T _{max} T _N									
750 r/min = 8 poles						3300 V	50 Hz						
160	M3BM	400 LKA	2052	1.0	2.1	0.17	315	13	20	12.6	590	2400	75
180	M3BM	400 LKB	2310	1.0	2.1	0.17	352	14	20	14.4	640	2520	75
200	M3BM	400 LKC	2566	1.1	2.1	0.17	388	13	20	14.7	690	2640	75
224	M3BM	400 LKD	2873	1.1	2.2	0.17	430	12	20	20.7	800	2910	75
250	M3BM	400 LKE	3206	1.2	2.3	0.17	476	11	20	24.3	900	3140	75
280	M3BM	400 LKF	3591	1.2	2.2	0.17	528	11	20	26.1	950	3280	75
315	M3BM	400 LKG	4041	1.2	2.2	0.17	587	11	20	27.9	990	3380	75
355	M3BM	450 LA	4548	1.2	2.2	0.16	655	12	20	34.4	1180	4280	76
400	M3BM	450 LB	5125	1.2	2.3	0.16	730	11	20	42.4	1240	4430	76
450	M3BM	450 LC	5766	1.2	2.3	0.16	811	11	20	46.8	1330	4660	76
750 r/min = 8 poles						6600 V	50 Hz						
160	M3BM	400 LKA	2054	1.0	2.3	0.17	315	13	20	10.8	590	2600	75
180	M3BM	400 LKB	2312	1.0	2.2	0.17	352	14	20	12.6	650	2770	75
200	M3BM	400 LKC	2568	1.0	2.3	0.16	388	13	20	14.4	710	2950	75
224	M3BM	400 LKD	2876	1.1	2.3	0.16	430	12	20	16.8	780	3180	75
250	M3BM	400 LKE	3210	1.1	2.3	0.16	476	12	20	18.0	820	3300	75
280	M3BM	400 LKF	3596	1.1	2.4	0.16	528	11	20	18.6	840	3360	75
315	M3BM	450 LA	4035	1.2	2.2	0.16	587	12	20	36.6	1120	4070	76
355	M3BM	450 LB	4548	1.2	2.2	0.16	655	12	20	34.4	1180	4220	76
400	M3BM	450 LC	5126	1.2	2.2	0.16	730	12	20	37.7	1270	4450	76

HV Process performance cast iron motors - Variant codes

Code 1)	Variant	Motor size			
		315	355	400	450
Balancing					
423	Balanced without key	P	P	P	P
424	Full key balancing.	P	P	P	P
Bearings and lubrication					
036	Transport lock for bearings.	P	P	P	P
037	Roller bearing at D-end.	P	P	P	P
107	Pt100 2-wire in bearings.	P	P	P	P
178	Stainless steel/acid proof bolts.	P	P	P	P
398	Motor designed for ambient temperature -20°C to -40°C	P	P	P	P
651	Dial type thermometers (2 pcs) for bearings, without contacts	P	P	P	P
652	Dial type thermometers (2 pcs) for bearings, with contacts	P	P	P	P
654	Provision for vibration sensors (M8x1)	P	P	P	P
Cooling system					
044	Unidirectional fan, clockwise seen from D-end.	NA	P	P	P
045	Unidirectional fan, counter clockwise seen from D-end.	NA	P	P	P
068	Metal fan.	P	P	P	P
Coupling					
035	Assembly of customer supplied coupling-half.	P	P	P	P
Drain holes					
065	Plugged existing drain holes.	P	P	P	P
448	Draining holes with metal plugs.	P	P	P	P
Heating elements					
450	Heating element, 100-120 V.	P	P	P	P
451	Heating element, 200-240 V.	P	P	P	P
Painting					
114	Special paint colour, standard grade.	P	P	P	P
Protection					
005	Metal protective roof, vertical motor, shaft down.	P	P	P	P
158	Degree of protection IP 65.	P	P	P	P
403	Degree of protection IP 56.	P	P	P	P
Rating & instruction plates					
002	Restamping output and voltage, continuous duty.	P	P	P	P
135	Mounting of additional identification plate, stainless	P	P	P	P
Standards and regulations					
010	Fulfilling CSA Safety Certificate.	P	P	P	P
778	GOST Export/Import Certificate (Russia).	P	P	P	P
Stator winding temperature sensors					
653	Pt-100 (12 pcs) inside stator slots	P	P	P	P
Terminal box					
021	Terminal box LHS (seen from D-end).	P	P	P	P
447	Top mounted separate auxiliary box for heating elements.	P	P	P	P
655	No terminal box, three (3) leads out 1.5 m (5 ft)	P	P	P	P
656	No terminal box, six (6) leads out 1.5 m (5 ft)	P	P	P	P
750	Star point terminal box.	P	P	P	P
Testing					
	Routine test report included as standard.				
146	Type test with report for motor from specific delivery patch.	P	P	P	P
147	Type test with report for motor from specific delivery patch, customer witnessed.	P	P	P	P
762	Noise level test.	P	P	P	P
Variable speed drives					
701	Insulated bearing at N-end.	P	P	P	P
Foundation and installation					
	Foundation studs	P	P	P	P
	Sole plates without anchor bolts	P	P	P	P
	Sole plates with anchor bolts	P	P	P	P
	Slide rails for belt drives	P	P	P	P

1) Certain variant codes cannot be used simultaneously.

P = New manufacture only.

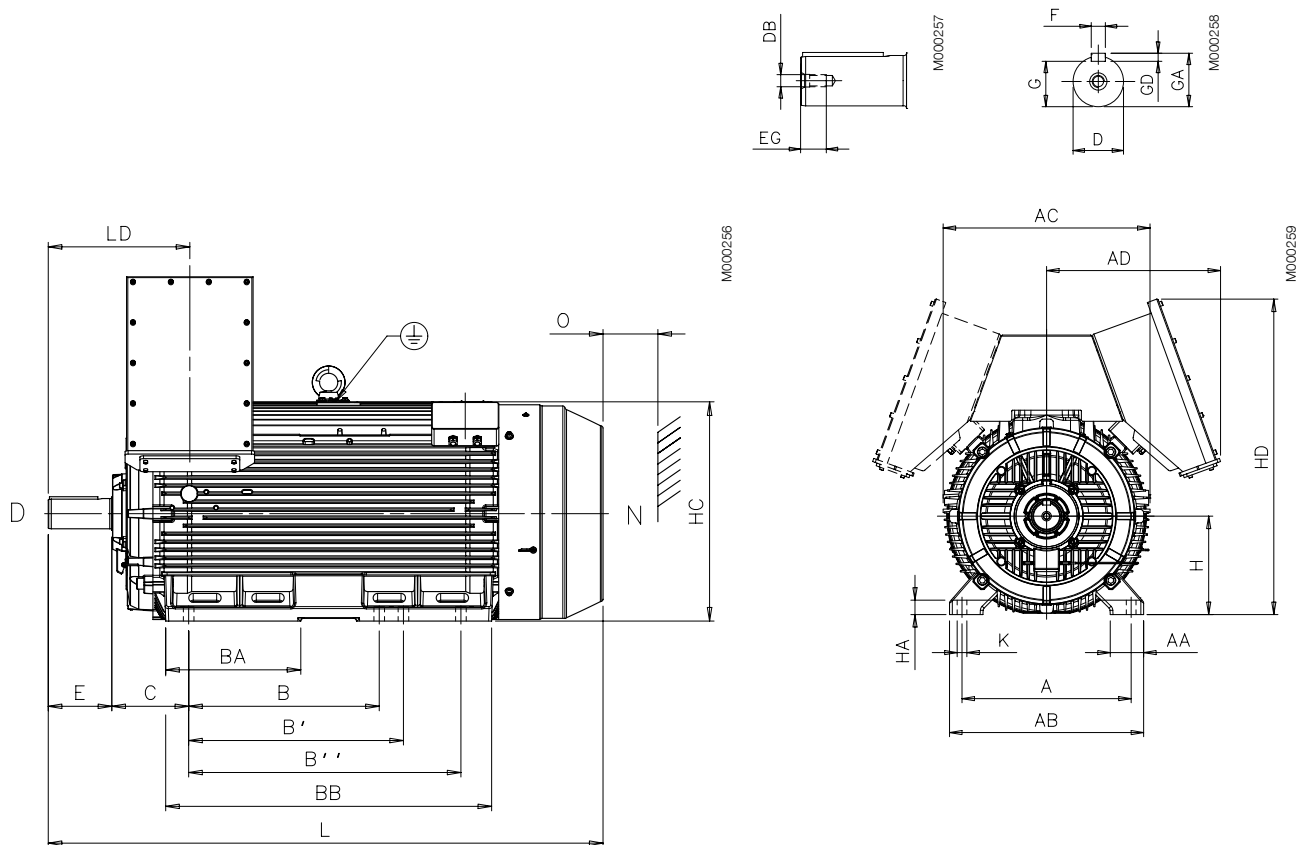
NA = Not applicable.

HV Process performance cast iron motors

Dimension drawings

Sizes 315-450

Foot-mounted: IM B3 (IM 1001)



Motor size	Poles	A	AA	AB	AC	AD	AD*	B	B'	B''	BA	BB	C	D	DB	E	EG
315 LK	2	508	100	590	654	555	-	508	560	710	336	851	216	65	M20	140	42
315 LK	4-6	508	100	590	654	555	-	508	560	710	336	851	216	90	M24	170	52
355 LK	2	610	120	700	746	627	-	630	710	900	447	1077	254	70	M20	140	42
355 LK	4-6	610	120	700	746	627	-	630	710	900	447	1077	254	100	M24	210	51
400 L	2	710	150	840	834	627	-	900	1000	-	410	1156	224	80	M20	170	42
400 L	4-8	710	150	840	834	627	-	900	1000	-	410	1156	224	110	M24	210	50
400 LK	2	710	150	840	834	627	-	900	1000	1120	410	1316	224	80	M20	170	42
400 LK	4-8	710	150	840	834	627	-	900	1000	1120	410	1316	224	110	M24	210	50
450 L	2	800	160	950	966	613	790	1000	1120	1250	451	1421	250	80	M20	170	42
450 L	4-8	800	160	950	966	613	790	1000	1120	1250	451	1421	250	120	M24	210	50

Motor size	Poles	F	G	GA	GD	H	HA	HC	HD	HD*	K	L	LD	O
315 LK	2	18	58	69	11	315	40	644	1055	-	28	1490	355	115
315 LK	4-6	25	81	95	14	315	40	644	1055	-	28	1521	385	115
355 LK	2	20	62.5	74.5	12	355	52	725	1138	-	35	1764	398	250
355 LK	4-6	28	90	106	16	355	52	725	1138	-	35	1834	468	130
400 L	2	22	71	85	14	400	45	814	1225	-	35	1851	458	300
400 L	4-8	28	100	116	16	400	45	814	1225	-	35	1891	498	200
400 LK	2	22	71	85	14	400	45	814	1225	-	35	2011	478	300
400 LK	4-8	28	100	116	16	400	45	814	1225	-	35	2051	518	200
450 L	2	22	71	85	14	450	81	933	1378	1502	42	2147	485	300
450 L	4-8	32	109	127	18	450	81	933	1378	1502	42	2187	525	200

* For 10 kV only

Tolerances:

A, B, C	± 0,8	F	ISO h9
D	ISO m6	H	+0 -1.0

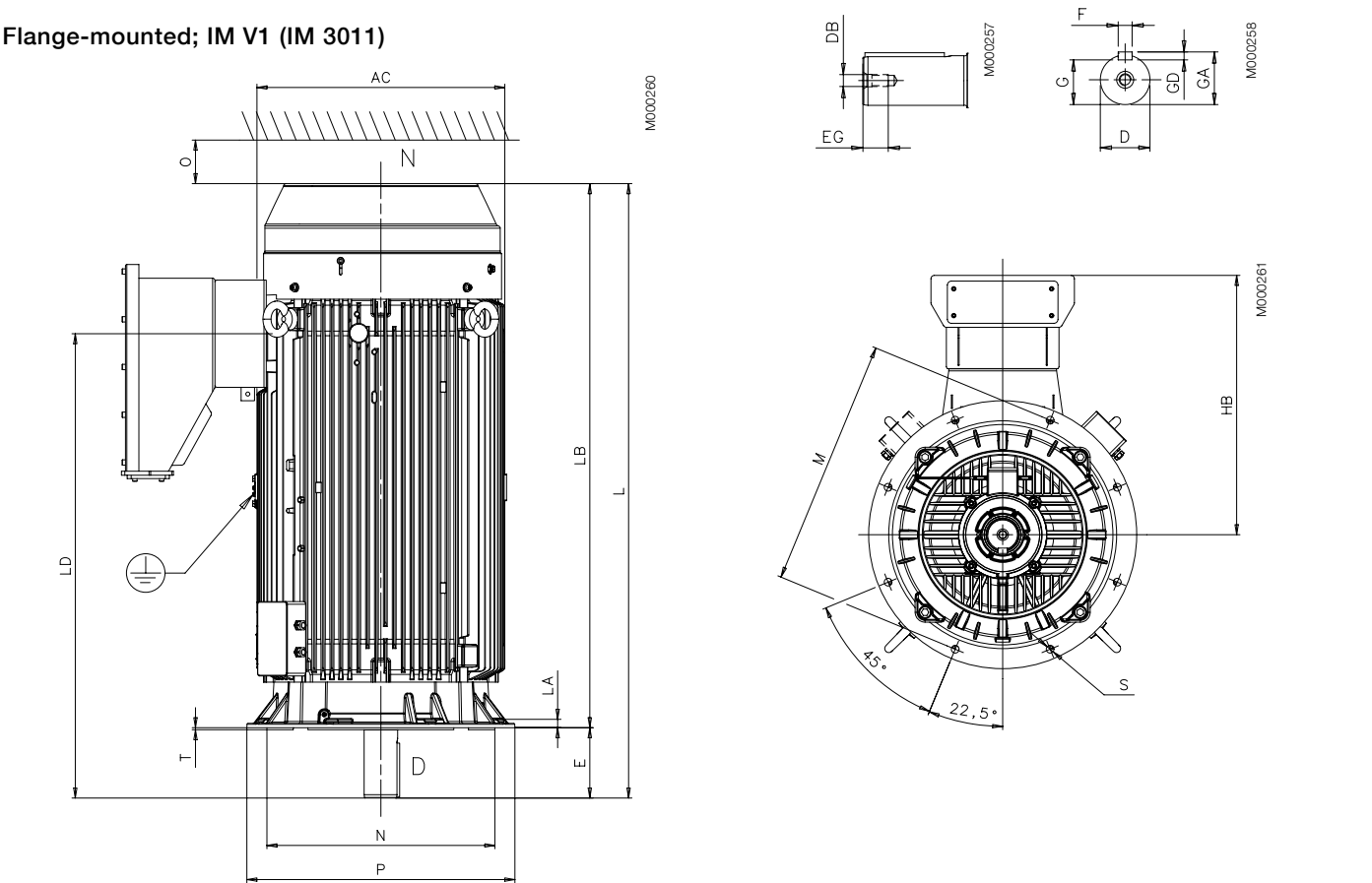
Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

HV Process performance cast iron motors

Sizes 315-450

Dimension drawings

Flange-mounted; IM V1 (IM 3011)



Motor size	Poles	AC	D	DB	E	EG	F	G	GA	GD	HB	HB*
315 LK	4-6	645	90	M24	170	52	25	81	95	14	731	-
355 LK	4-6	740	100	M24	210	51	28	90	106	16	774	-
400 L	4-8	827	110	M24	210	50	28	100	116	16	816	-
400 LK	4-8	810	110	M24	210	50	28	100	116	16	816	-
450 L	4-8	966	120	M24	210	50	32	109	127	18	887	982

Motor size	Poles	L	LA	LB	LD	M	N	O	P	S	T
315 LK	4-6	1521	25	1351	1115	600	550	115	660	23	6
355 LK	4-6	1834	25	1624	1386	740	680	130	800	23	6
400 L	4-8	1891	26	1681	1400	940	880	200	1000	28	6
400 LK	4-8	2051	26	1841	1540	940	880	200	1000	28	6
450 L	4-8	2187	33	1977	1645	1080	1000	200	1149	28	6

* For 10 kV only

Tolerances:

D	ISO m6	N	ISO js6 (315_)
F	ISO h9		

Above table gives the main dimensions in mm. For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

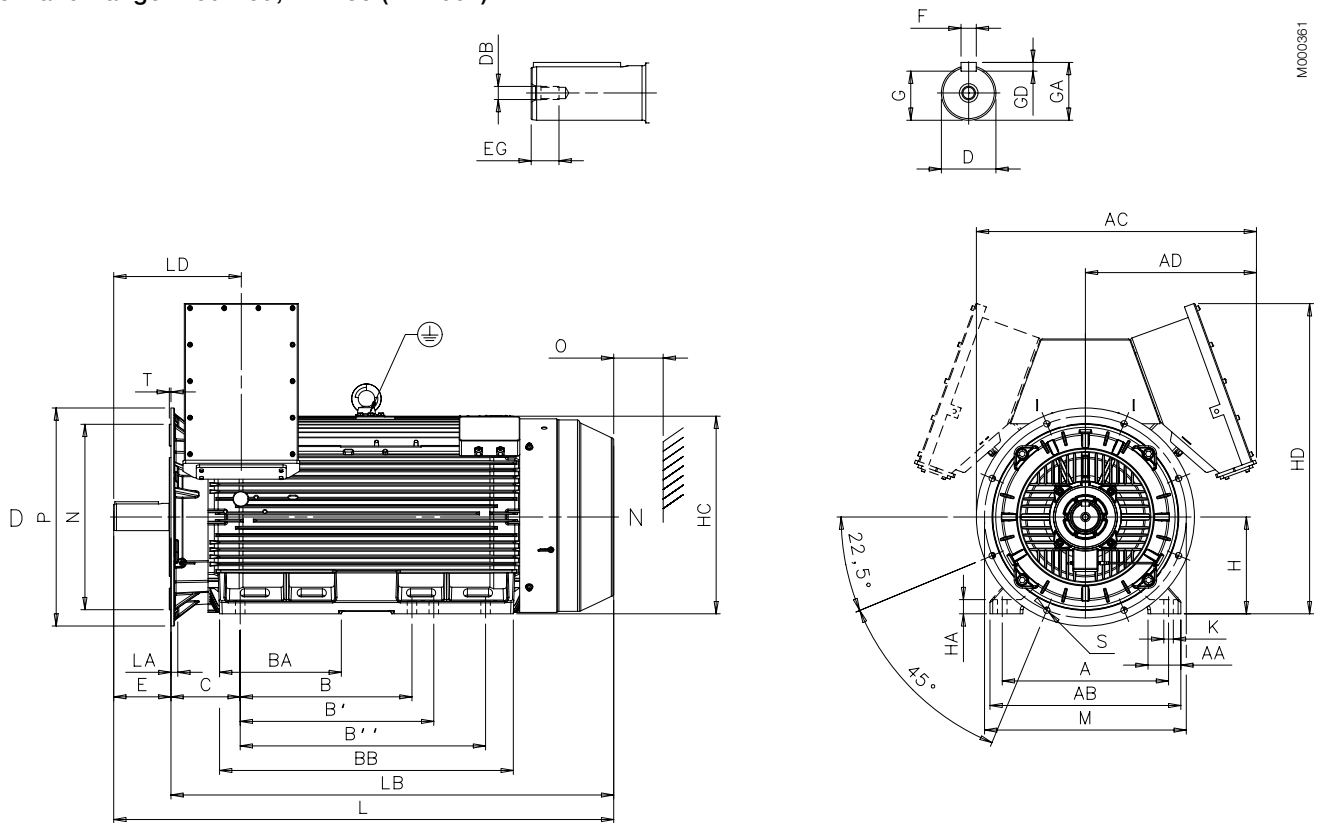
HV Process performance cast iron motors

Dimension drawings

Sizes 315-450

Foot- and flange-mounted; IM B35 (IM 2001)

M000361



Motor size	Poles	A	AA	AB	AC	AD	AD*	B	B'	B''	BA	BB	C	D	DB	E	EG	F	G	GA
315LK	2	508	100	590	885	555	-	508	560	710	336	851	216	65	M20	140	42	18	58	69
315LK	4-6	508	100	590	885	555	-	508	560	710	336	851	216	90	M24	170	52	25	81	95
355LK	2	610	120	700	1027	627	-	630	710	900	447	1077	254	70	M20	140	42	20	62.5	74.5
355LK	4-6	610	120	700	1027	627	-	630	710	900	447	1077	254	100	M24	210	51	28	90	106
400L	2	710	150	840	1127	627	-	900	1000	-	410	1156	224	80	M20	170	42	22	71	85
400L	4-8	710	150	840	1127	627	-	900	1000	-	410	1156	224	110	M24	210	50	28	100	116
400LK	2	710	150	840	1127	627	-	900	1000	1120	410	1316	224	80	M20	170	42	22	71	85
400LK	4-8	710	150	840	1127	627	-	900	1000	1120	410	1316	224	110	M24	210	50	28	100	116
450L	2	800	160	950	1188	613	790	1000	1120	1250	451	1421	250	80	M20	170	42	22	71	85
450L	4-8	800	160	950	1188	613	790	1000	1120	1250	451	1421	250	120	M24	210	50	32	109	127

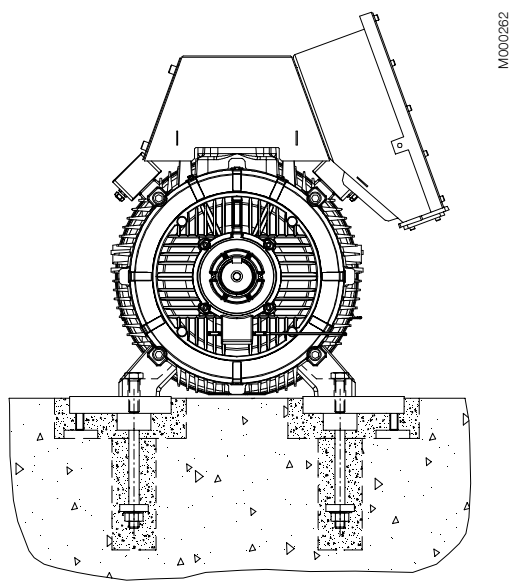
Motor size	Poles	GD	H	HA	HC	HD	HD*	K	L	LD	O	LA	LB	M	N	P	S	T
315LK	2	11	315	40	643	1055	-	28	1490	355	115	25	1350	600	550	660	23	6
315LK	4-6	14	315	40	643	1055	-	28	1521	385	115	25	1350	600	550	660	23	6
355LK	2	12	355	52	725	1138	-	35	1764	398	250	25	1624	740	680	800	23	6
355LK	4-6	16	355	52	725	1138	-	35	1834	468	130	25	1624	740	680	800	23	6
400L	2	14	400	45	814	1225	-	35	1851	458	300	26	1681	940	880	1000	28	6
400L	4-8	16	400	45	814	1225	-	35	1891	498	200	26	1681	940	880	1000	28	6
400LK	2	14	400	45	814	1225	-	35	2011	478	300	26	1841	940	880	1000	28	6
400LK	4-8	16	400	45	814	1225	-	35	2051	518	200	26	1841	940	880	1000	28	6
450L	2	14	450	81	933	1378	1502	42	2147	485	300	33	1977	1080	1000	1149	28	6
450L	4-8	18	450	81	933	1378	1502	42	2187	525	200	33	1977	1080	1000	1149	28	6

* for 10 kV only

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

Accessories

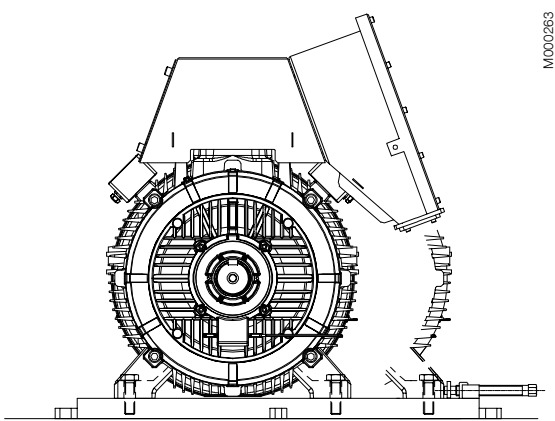
Foundation studs



Frame size	Set code
315	FOST315-M3
355	FOST355-M3
400	FOST400-M3
450	FOST450-M3

The set code has to be mentioned on order.

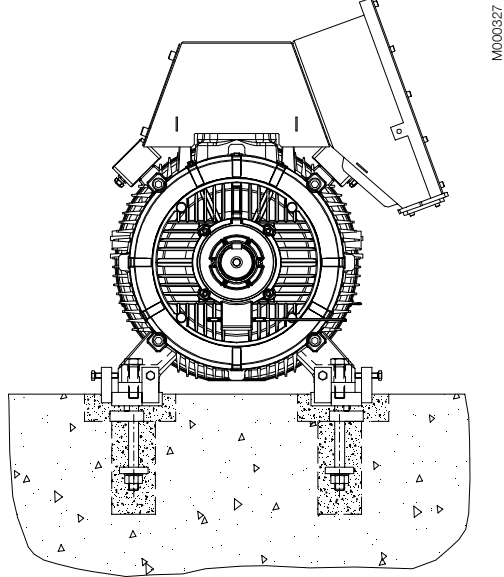
Slide rails



Frame size	Set code
315	SLRA315-M3
355	SLRA355-M3
400	SLRA400-M3
450	SLRA450-M3

The set code has to be mentioned on order.

Sole plates

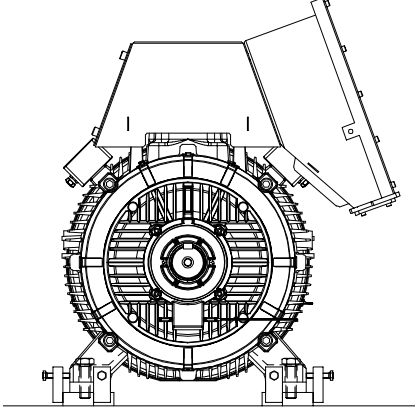


With anchor bolts for concrete foundation

Frame size	Set code
315	SOPL315A-M3
355	SOPL355A-M3
400 L	SOPL400A-M3
400 LK	SOPL400A-M3LK
450	SOPL450A-M3

The set code has to be mentioned on order.

Sole plates



Without anchor bolts

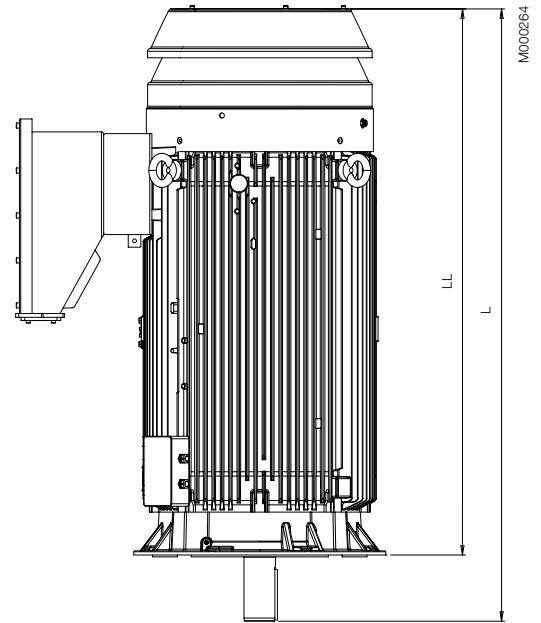
Frame size	Set code
315	SOPL315-M3
355	SOPL355-M3
400 L	SOPL400-M3
400 LK	SOPL400-M3LK
450	SOPL450-M3

The set code has to be mentioned on order.

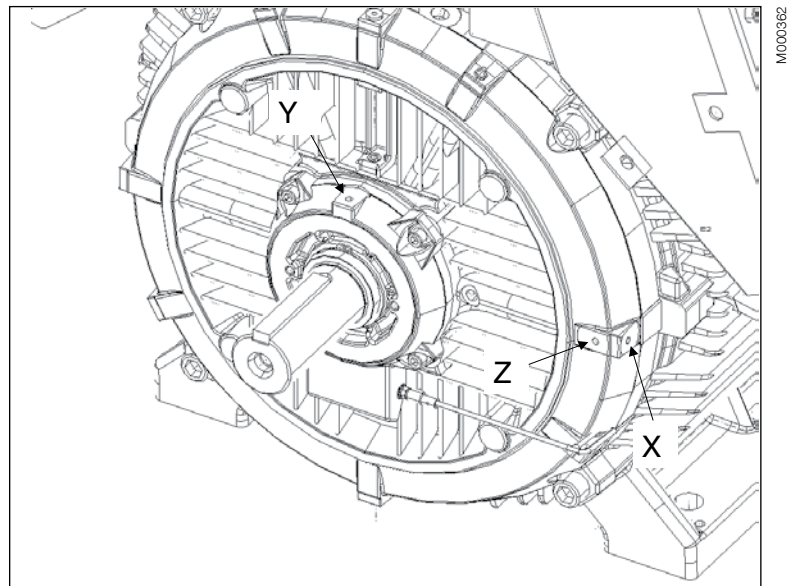
Protective roof

Variant code 005

Motor size	Pole no	L	LL
315 LK	4-6	1591	1421
355 LK	4-6	1951	1741
400 L	4-6	2008	1798
400 LK	4-6	2168	1958
450 L	4-6	2389	2179



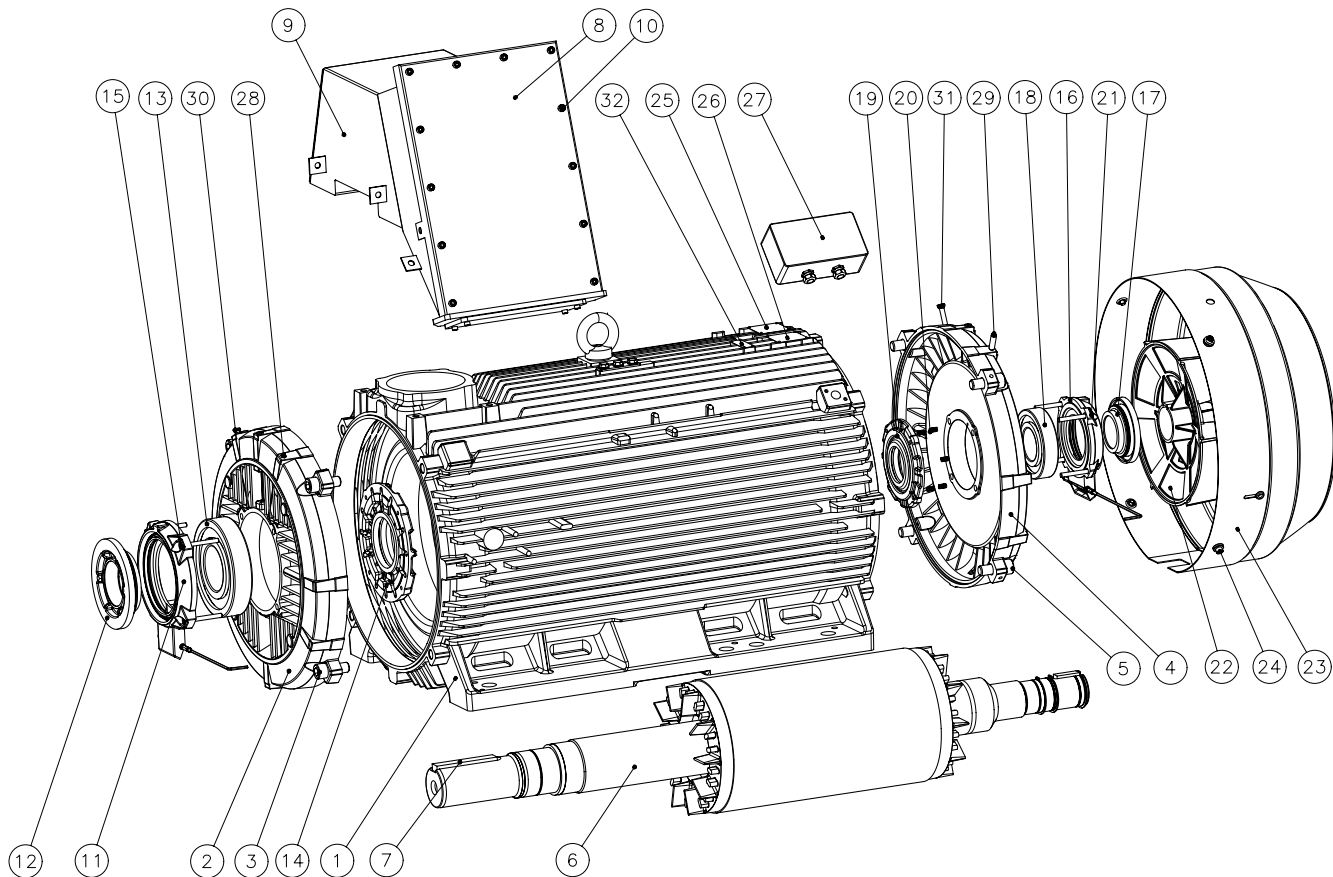
Provision for vibration sensors



Provision for vibration sensors M8x1. XYZ-directions. Available only for D-end.

HV Process performance cast iron motor construction

Typical exploded view of high voltage cast iron motor



M000363

- | | |
|--|--|
| 1 Stator frame | 17 Valve disc with labyrinth seal, D-end |
| 2 End shield, D-end | 18 Bearing, N-end |
| 3 Screws for end shield, D-end | 19 Inner bearing cover, N-end |
| 4 End shield, N-end | 20 Spring |
| 5 Screws for end shield, N-end | 21 Screws for bearing cover, N-end |
| 6 Rotor with shaft | 22 Fan |
| 7 Key, D-end | 23 Fan cover |
| 8 Main terminal box | 24 Screws for fan cover |
| 9 Middle box | 25 Rating plate |
| 10 Screws for terminal box cover | 26 Lubrication plate |
| 11 Outer bearing cover, D-end | 27 Auxiliary terminal box |
| 12 Valve disc with labyrinth seal, D-end | 28 Grease nipple, D-end |
| 13 Bearing, D-end | 29 Grease nipple, N-end |
| 14 Inner bearing cover | 30 SPM nipple, D-end |
| 15 Screws for bearing cover, D-end | 31 SPM nipple, N-end |
| 16 Outer bearing cover, N-end | 32 Additional identification plate |

HV Process performance cast iron motors in brief, basic design

Motor size			315	355	400	450
Stator	Material		Cast iron EN-GJL-250 EN 1561			
	Paint colour shade		Blue, Munsell 8B 4.5/3.25 / NCS 4822 B05G / RAL 5014			
	Paint thickness		Two-pack epoxy paint, thickness ≥ 180 µm			
Bearing end shields	Material		Cast iron EN-GJL-200 SFS-EN 1561			
	Paint colour shade		Blue, Munsell 8B 4.5/3.25 / NCS 4822 B05G / RAL 5014			
	Paint thickness		Two-pack epoxy paint, thickness ≥ 180 µm			
Bearings	D-end	2 pole	6316M/C3	6316M/C3	6317M/C3	6317M/C3
		4-8 pole	6319/C3	6322/C3	6324/C3	6326M/C3
	N-end	2 pole	6316M/C3	6316M/C3	6317M/C3	6317M/C3
		4-8 pole	6316/C3	6316/C3	6319/C3	6322/C3
Axially-locked bearings	Inner bearing cover		As standard, locked at D-end			
Bearing seal			As standard, labyrinth seal in both ends.			
Lubrication			Regreasable bearings			
			Regreasing nipples M10x1 DIN 71412 A			
SPM-nipples			As standard			
Rating and lubrication plate	Material		Stainless steel, EN 10088, thickness 0.5 mm.			
Terminal box	Frame material		Structural steel S235JRG2-EN-10025, thickness 3 mm.			
	Cover material		Structural steel S235JRG2-EN-10025, thickness 3 mm.			
	Cover screws material		Blue passivated.			
Connections	Cable entries		Blind gland plate.			
	Terminals		3 terminals for connection with cable lugs (not included)			
			Grounding locations on frame and terminal box (in- and outside)			
Fan	Material		Glass reinforced polypropylene, aluminum, steel or glass reinforced polyamide fan with metal hub. Direction of rotation / fans (IC411) – glass reinforced polypropylene bidirectional – aluminum bidirectional – steel bidirectional – glass reinforced polyamide fan unidirectional.			
Fan cover	Material		Steel			
	Paint colour shade		Blue, Munsell 8B 4.5/3.25 / NCS 4822 B05G / RAL 5014			
	Paint thickness		Two-pack epoxy polyester powder, thickness ≥ 80 µm			
Stator winding	Material		Form wound copper, VPI			
	Insulation		Insulation class F			
	Winding protection		PT100, 6 pieces			
Rotor winding	Material		Pressure die-cast aluminum			
Balancing method			Half key balancing as standard			
Key ways			Open key way			
Heating elements	On request		1x200 W	1x200 W	1x300 W	1x400 W
Drain holes			Standard, open on delivery.			
Enclosure			IP 55, higher protection as option.			
Cooling method			IC 411			

Notes:

[illegible]

Engineered motors

Squirrel cage three phase

high voltage motors,

Up to 8000 kW



www.abb.com/motors&generators

- > Motors
- >> High voltage motors
- >>> Cast iron HXR motors
- >>> Modular induction motors



General information

ABB's engineered motors are tailor-made to meet its customers' needs. All ABB engineered motors are configured and optimized individually for each order and application. Please contact ABB for further information.

This catalog contains information on ABB's standard construction squirrel-cage induction motors operating at 50 Hz and with synchronous speed from 500 to 3000 rpm. The output range is up to 8000 kW.

This catalog describes two different motor types, the AMI range and the HXR range. Both motor types can be operated with variable speed drives or used as induction generators and motors can be mounted horizontally or vertically. Either motor can be used for both standard and special applications.

The AMI range features a welded steel frame and is available as standard with the following cooling methods and protection types: IC 01 / IP 24W, IC 611 / IP 55 and IC 81W / IP 55. The standard shaft heights are between 400 and 630 mm.

The HXR range features a rugged cast iron frame and is totally enclosed fan cooled motor of IC 411 / IP 55. HXR motors have standard shaft heights between 355 and 560 mm.

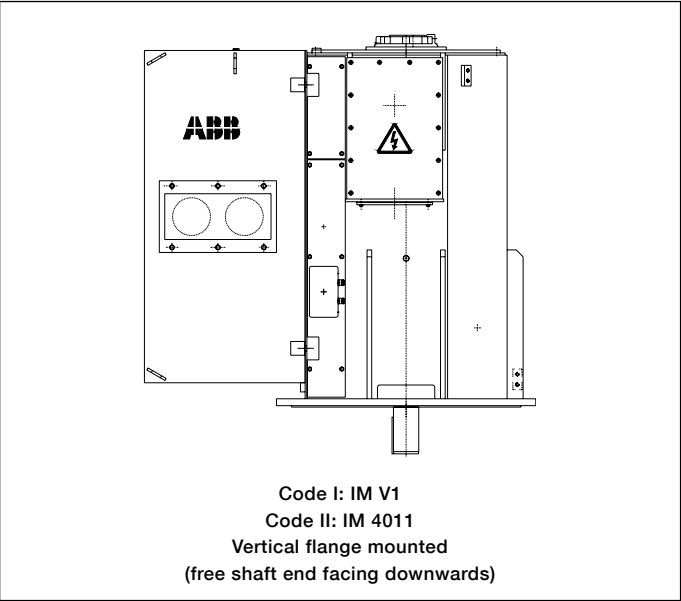
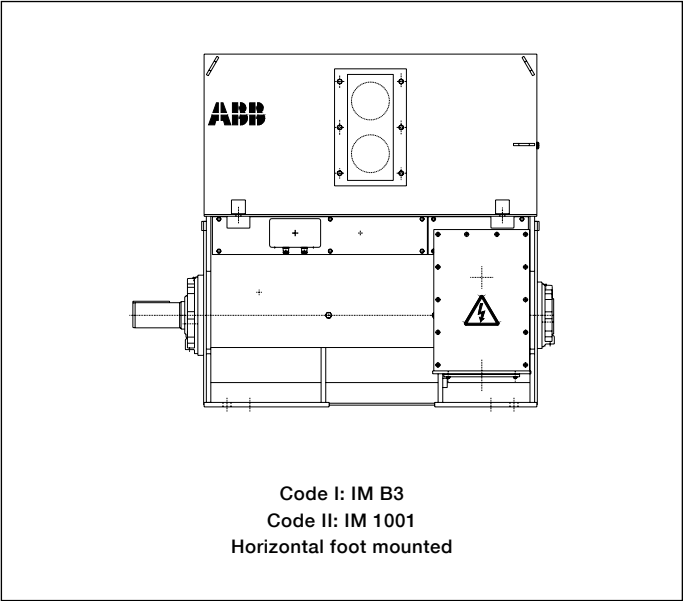
The table below shows the available output power, voltage range and pole numbers.

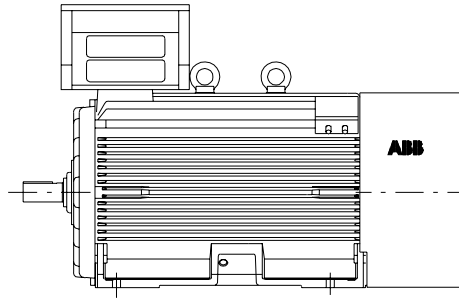
Poles	Output (kW) at 50 Hz			Output (kW) at 50 Hz		
	3 kV	HXR 6 kV	10 kV	3 kV	AMI 6 kV	10 kV
2	100 - 1730	160 - 1600	400 - 1250	630 - 8000	630 - 8000	630 - 7100
4	100 - 2240	160 - 2000	355 - 1400	630 - 8000	630 - 7800	800 - 6700
6	160 - 2000	125 - 1800	315 - 1400	450 - 6500	450 - 6500	560 - 5600
8	200 - 1600	180 - 1500	315 - 1120	280 - 4800	280 - 4500	630 - 4150
10	160 - 1350	224 - 1230	560 - 710	250 - 3700	200 - 3700	530 - 3000
12	140 - 1100	140 - 980	-	160 - 3000	180 - 2800	355 - 2300

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

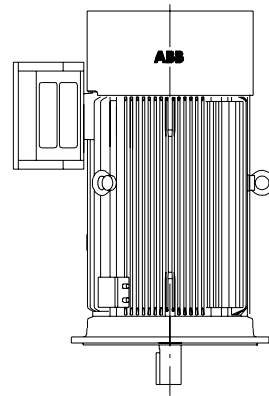
Mounting arrangement

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





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



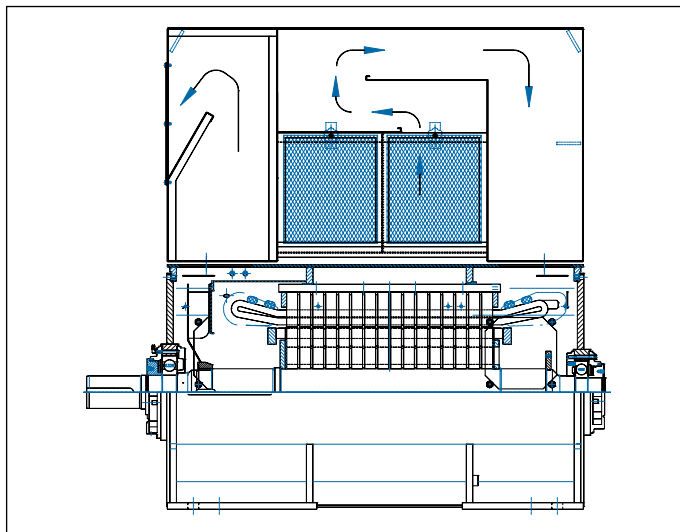
Code I: IM V1
Code II: IM 3011
Flange and free shaft end facing downwards
(Vertical solid shaft, flange mounted)

Enclosure and cooling

Standard combinations used for AMI motors are:

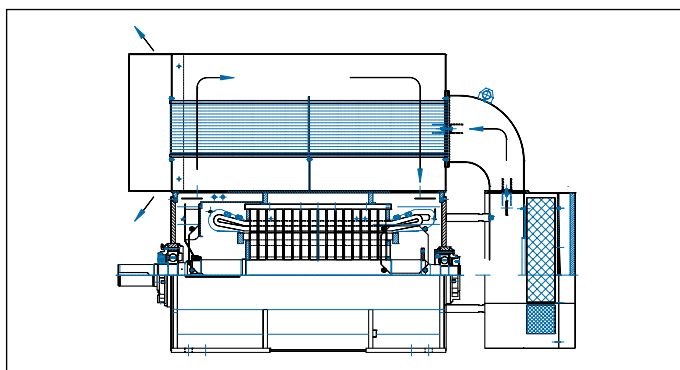
IC 01 / IP 24W

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



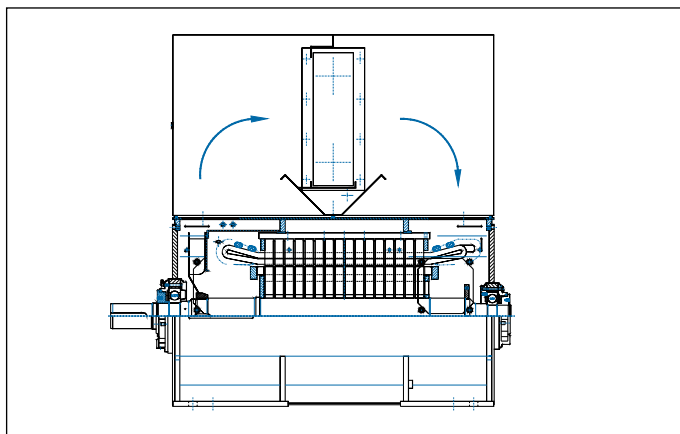
IC 611 / IP 55

In this design the fully enclosed motor has an air-to-air heat exchanger mounted on the motor. 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.



IC 81W / IP 55

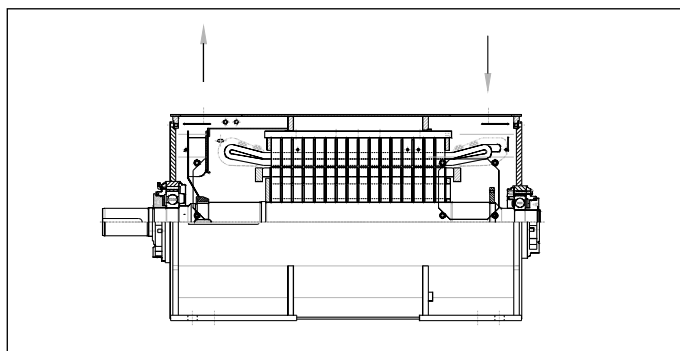
This fully enclosed motor is fitted with an air-to-water heat exchanger. A shaft mounted fan is fitted inside the casing to supply the internal cooling circuit. Motor is protected against dust and splashing water from any direction.



The terminal boxes have a protection of at least IP 55.

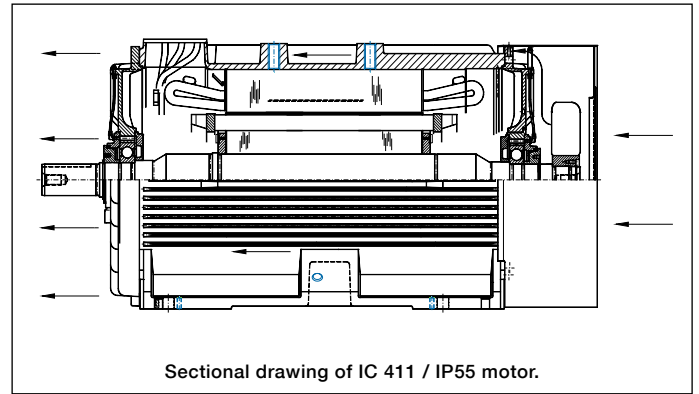
IC 31 / IP 55

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



IC 411 / IP55 HXR motor

The HXR motor has an external shaft mounted fan that use the surrounding air for cooling. The motor is protected against dust and water jets. The principle of this motor is shown in below:



Protection definition IP55

In a dust-protected motor, some dust can ingress the motor but it does not enter in sufficient quantity to interfere with the motor's operation.

The motor protected against water jets:

Water projected by a nozzle against the motor from any direction shall have no harmful effect.

Method of Cooling (IC 411)

Frame surface cooled:

The primary coolant is circulated in a closed circuit in the motor and gives its heat through the external surface of the motor (in addition to the heat transfer via the stator core and other heat conducting parts) to the final coolant which is the surrounding medium. The surface may be plain or ribbed, with or without an outer shell to improve the heat transfer.

Self circulation:

The coolant is moved dependent on the rotational speed of the main motor either by action of the rotor alone or by means of a component designed for this purpose and mounted directly on the rotor of the main motor, or by a fan or pump unit mechanically driven by the rotor or the main motor.

Type designation

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

Example: AMI 450L4A BATH

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

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

Example: HXR 355LA4

1. **HXR** Stands for the HXR machine family, three digits.
2. **355** Shaft height in mm, three digits.
3. **L** Frame length, one digit.
4. **A** Core length, one digit.
5. **4** Number of poles.

High voltage terminal box for IEC motors

The picture shows the high voltage terminal box with its main technical data below.

Technical data:

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

Materials:

Box	welded sheet steel (thickness min. 3 mm)
Cable gland plate	steel
Connection screws	Bronze Bz
Isolators	epoxy casting resin or polyurethane resin
Grounding pad	stainless steel

Other features:

- rigid welded construction
- ample size for making connections of supply cables
- box turnable to allow cable entry from left or right side
- box turnable in steps of 90°
- either 3-phase or 1-phase cables can be connected
- pressure relief plate in the bottom of the box in case of an arching short circuit
- different cable glands available
- terminal box tested acc. to IEC 298 concerning internal arc strength

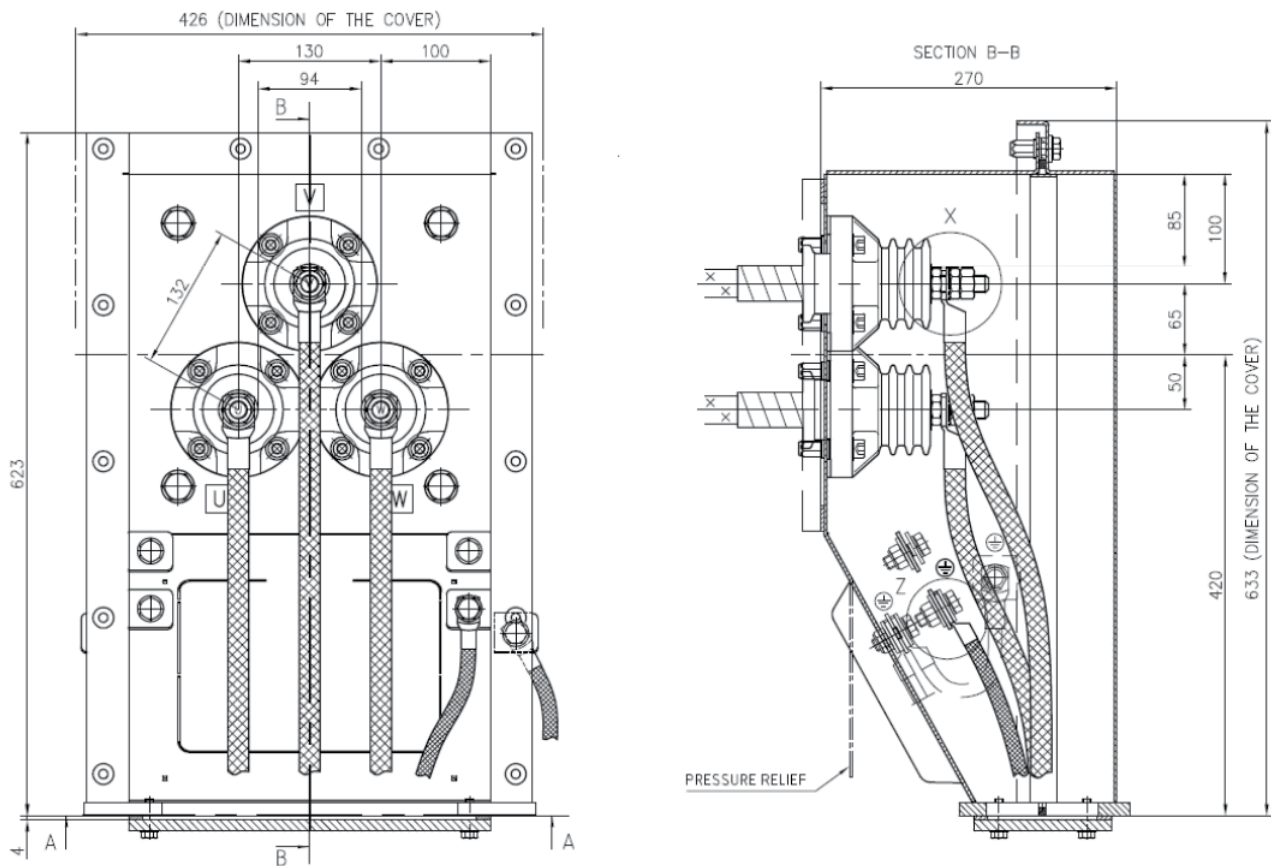


Figure above: High voltage terminal box. Dimensions in mm.

High voltage terminal box for IEC motors

Figure below shows the high voltage terminal box with its main technical data.

Technical data:

Voltage (max.)	6.6 kV
Current (max.)	800 A
No of cables (max.)	2 per phase
Cross section of cables (max.)	300 mm ² /cable
Cable gland	blind gland (1 pce)
Clearance (min.)	60 mm
Creepage (min.)	89 mm
Gross volume	197 dm ³
Usable volume	189 dm ³
Connection screws	(M16x1/M12x2/ M10x2)/phase
Tightening torque for connection nuts	190 Nm (M16), 55 Nm (M12), 46 Nm (M10)
Ground connections	M12 (both in- and outside)
Weight	90 kg
Protection	IP66
Standards	DIN 42962 Teil 2, D2 (internal dimensions)

Materials:

Box	welded sheet steel (thickness min. 3 mm)
Cable gland plate	steel
Connection screws	Bronze Bz
Isolators	polyurethane resin or epoxy casting resin
Grounding pad	stainless steel

Other features:

- rigid welded construction
- ample size for making connections of supply cables
- box turnable to allow cable entry from left or right side
- box turnable in steps of 90°
- either 3-phase or 1-phase cables can be connected
- pressure relief plate in the bottom of the box in case of an arching short circuit
- different cable glands available

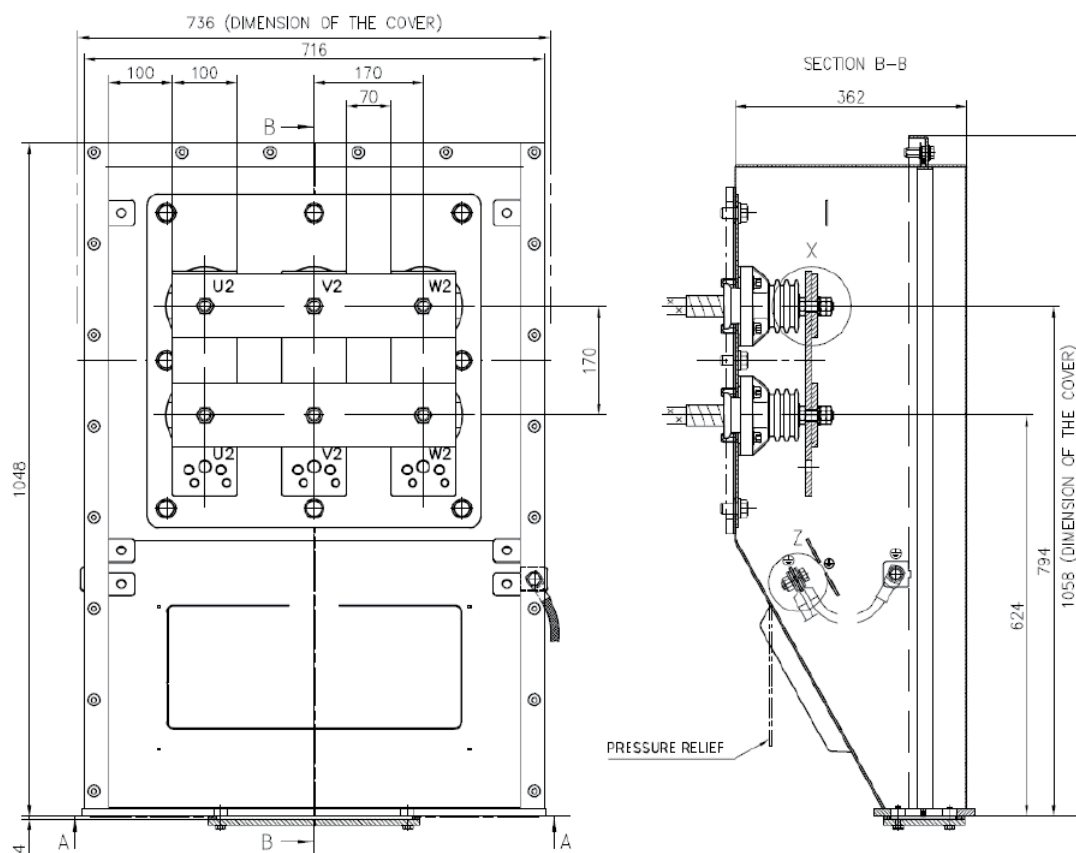


Figure above: High voltage star point terminal box, max 6.6 kV. Dimensions in mm.

High voltage terminal box for IEC motors

The picture shows high voltage terminal box with its main technical data below.

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	IP66
Standard	DIN 42962 TEIL 2, C2

Materials:

Box	welded sheet steel (thickness min. 3 mm)
Cable gland plate	steel
Connection screws	Bronze Bz
Isolators	epoxy casting resin
Grounding pad	stainless steel

Other features:

- rigid welded construction
- ample size for making connections of supply cables
- box turnable to allow cable entry from left or right side
- box turnable in steps of 90°
- either 3-phase or 1-phase cables can be connected
- pressure relief plate in the bottom of the box in case of an arching short circuit
- different cable glands available

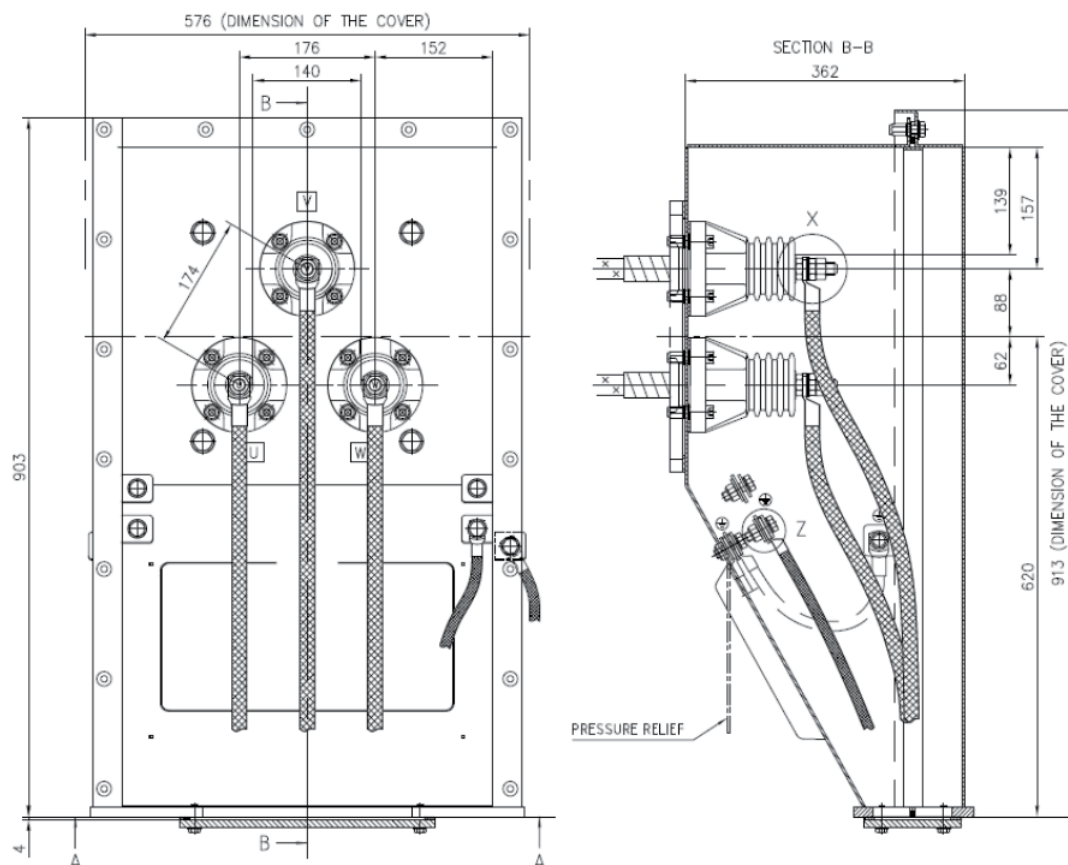


Figure above: High voltage terminal box. Dimensions in mm.

Dimensions for terminal box inlet, blind flange

As standard, main terminal boxes are with blind flange. Cable glands are available on request.

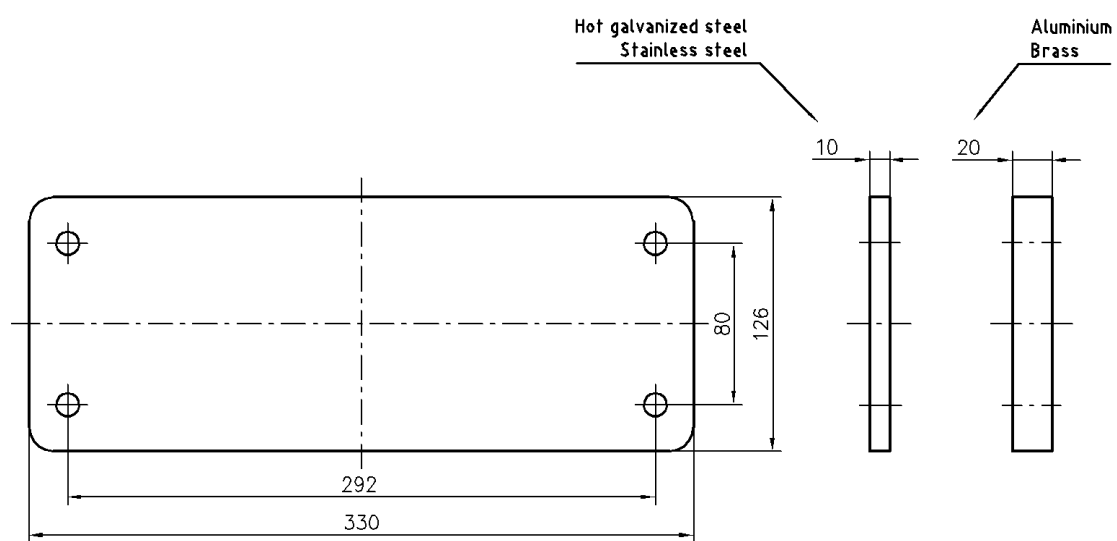


Figure above: Blind flange FL 33 for main terminal box.

Auxiliary boxes

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

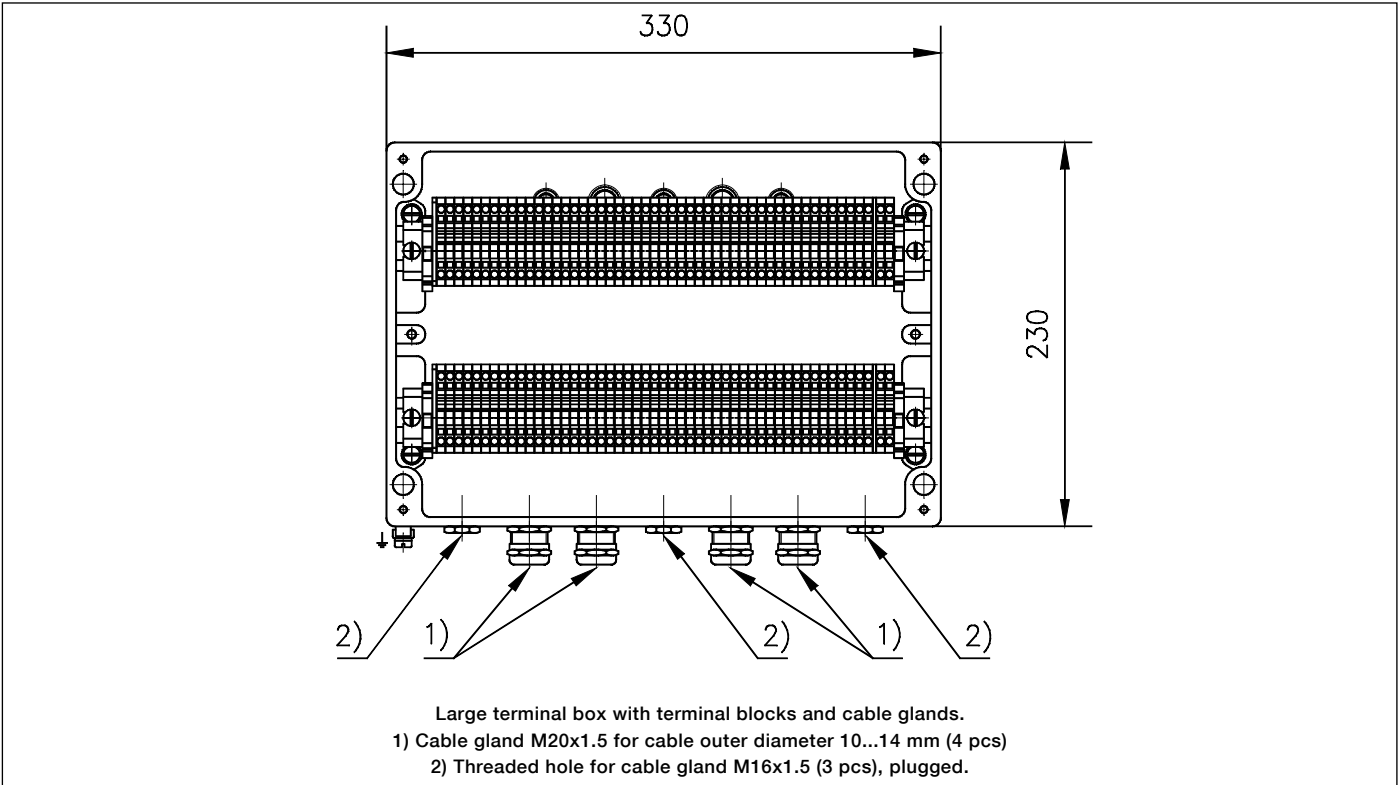
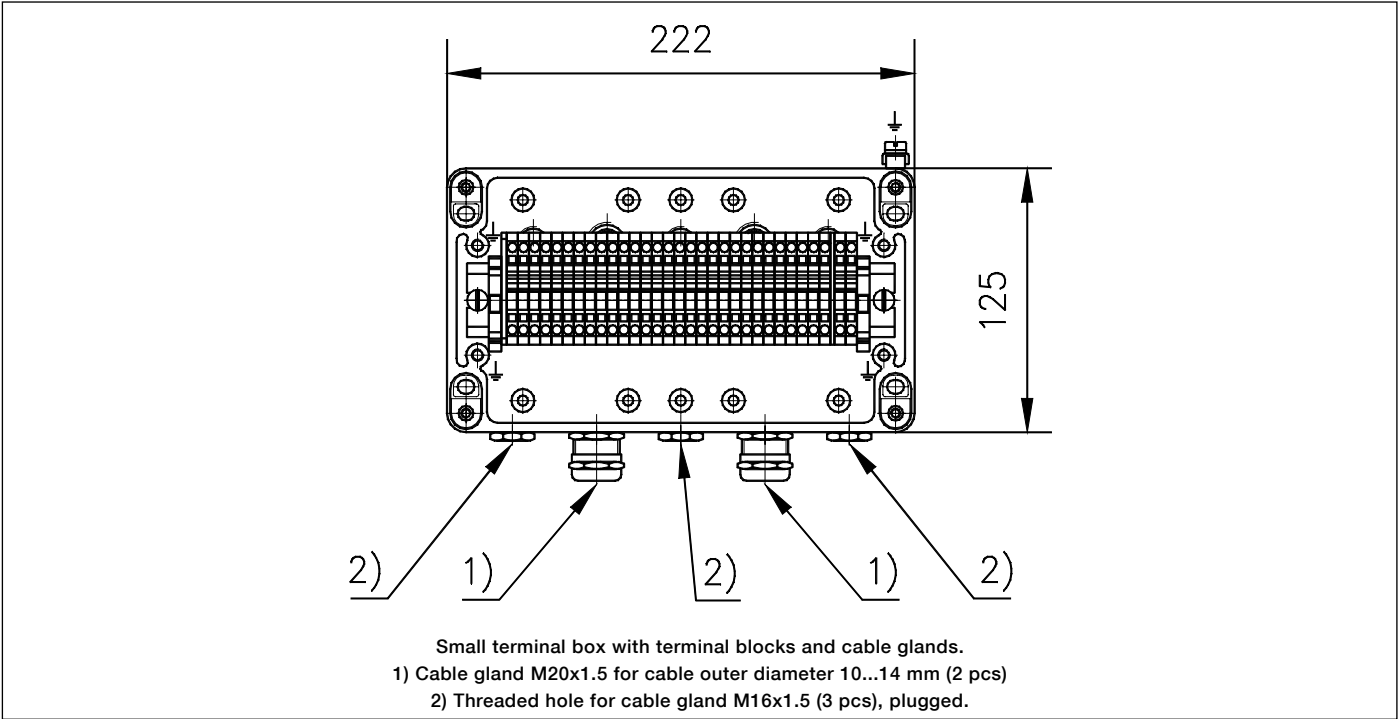
As standard motors in hazardous area are equipped with two auxiliary terminal boxes, one for monitoring devices and one for space heaters.

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

Table above: Standard auxiliary terminal boxes.

The typical arrangements for standard terminal boxes are shown below. The number of terminal blocks depends on the

number of accessories equipped with the motor. Additional terminals can be supplied on request.



Bearings

Horizontal motors

Horizontal motors 355 - 500 have deep groove ball bearings in both ends. HXR 560 and AMI 560-630 have a double bearing arrangement (deep groove ball bearing and a cylindrical roller bearing) at D-end and cylindrical roller bearing at N-end (only horizontal motor available).

The bearing in D-end is axially locked in horizontal motors. Standard bearings of horizontal motors are stated in table

below and the bearing construction is shown in the figures on page 60.

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

Table below: Standard bearings for horizontal motors.

Frame size	Poles	D-end	N-end
HXR 355	2	6317M/C3	6317M/C3
HXR 355	≥ 4	6322/C3	6319/C3
HXR 400	2	6317M/C3	6317M/C3
HXR 400	≥ 4	6324/C3	6319/C3
HXR 450	2	6317M/C3	6317M/C3
HXR 450	≥ 4	6324/C3	6322/C3
HXR 500	2	6319M/C3	6319M/C3
HXR 500	≥ 4	6326/C3	6324/C3
HXR 560	≥ 4	6034/C3 + NU1034/C3	NU322/C3
HXR 560	2	sleeve*	sleeve*
AMI 400	2	6319M/C3	6319M/C3
AMI 400	≥ 4	6324/C3	6319/C3
AMI 450	2	6319M/C3	6319M/C3
AMI 450	≥ 4	6326/C3	6322/C3
AMI 500	2	sleeve*	sleeve*
AMI 500	≥ 4	6330/C3	6324/C3
AMI 560	2	sleeve*	sleeve*
AMI 560	4	6034/C3 + NU1034/C3	NU1034/C3
AMI 560	≥ 6	6038/C3 + NU1038/C3	NU1038/C3
AMI 630	2	sleeve*	sleeve*
AMI 630	4	6038/C3 + NU1038/C3	NU1044/C3
AMI 630	≥ 6	6044/C3 + NU1044/C3	NU1044/C3

* See section sleeve bearings.

Figure below: Standard bearing construction for horizontally mounted motors, frame sizes 355-500.

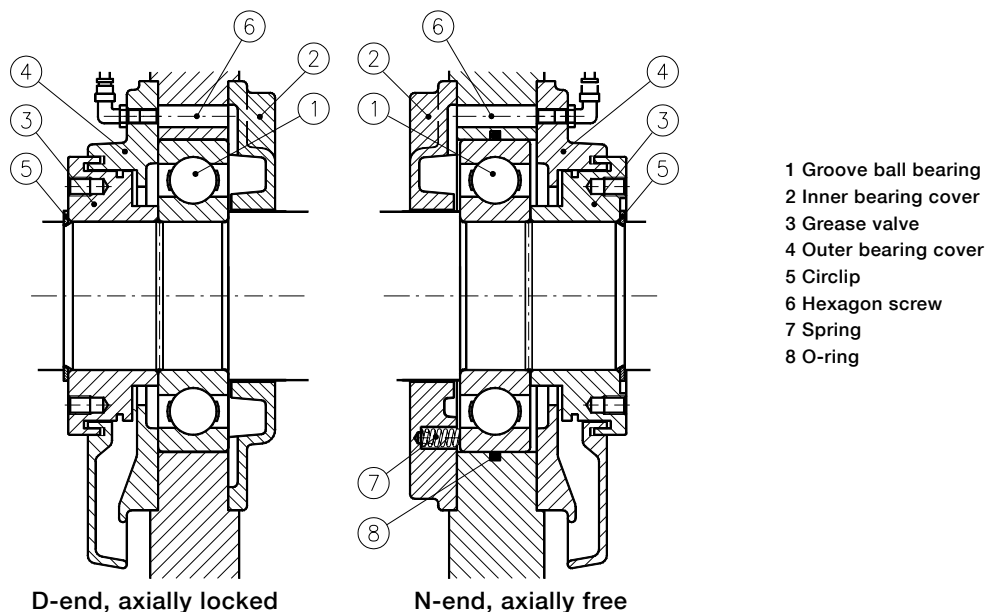


Figure below: Standard bearing construction for horizontally mounted motors HXR 560.

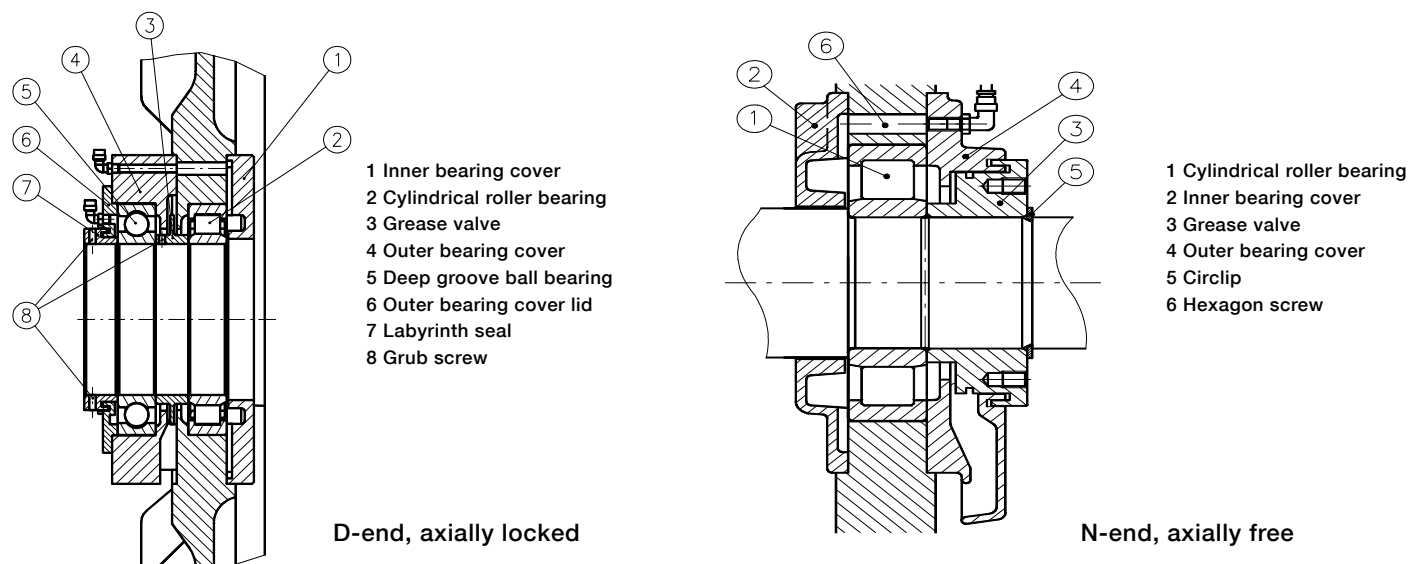
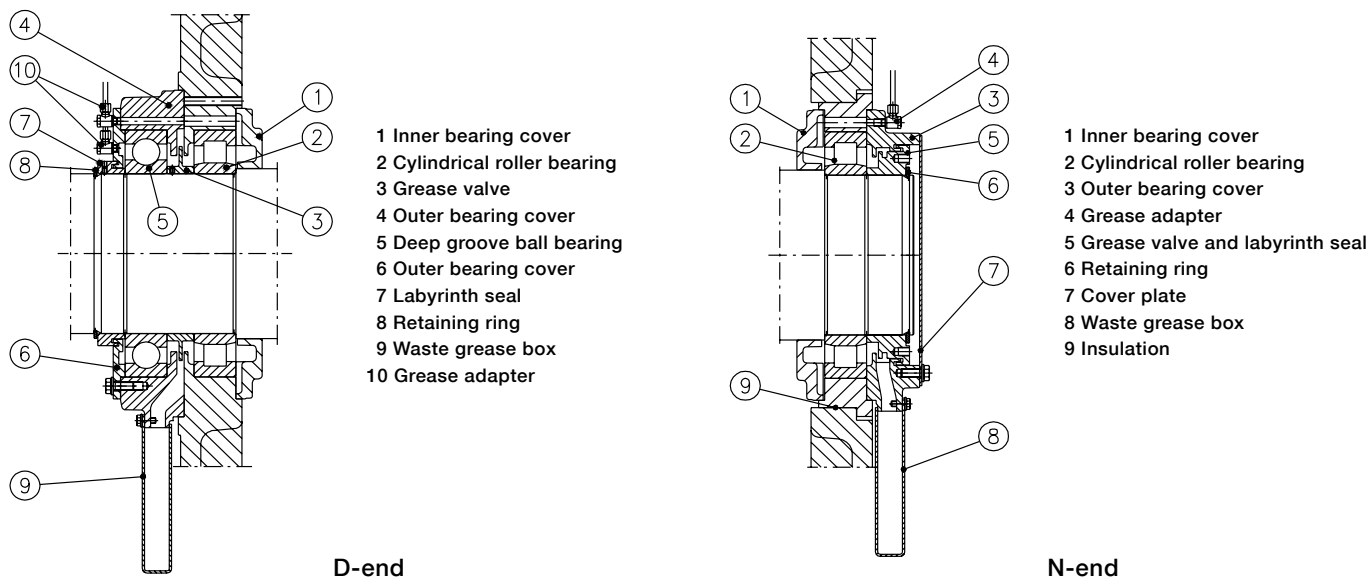


Figure below: Standard bearing construction for horizontally mounted motors, AMI 560-630.



Bearing rating life

Most motors with standard bearings have a rated life time L_{10h} in excess of 100000 h. Rated life time for frame 500, 2-pole, may be less than 100000h. The life times are calculated in accordance with ISO R 281-1.

The basic rated life L_{10h} 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 equipped with greasing nipple(s) in both ends for lubricating the bearings. The greasing nipples are located on top of the motor. The amount of grease and the interval of

greasing are stamped on the relubrication plate. The values are also shown in the table below.

Table below: Relubrication intervals and grease amount for HXR motors.

Bearing type	Amount of grease [g]	Lubrication intervals in running hours at different speeds [rpm]					
		3600	3000	1800 - 1500	1200 - 1000	900 - 750	600 - 500
6317	35	800	2200	8800	8800	8800	8800
6319	45	400	1600	6600	8800	8800	8800
6322	60			6600	8800	8800	8800
6324	70			4400	8800	8800	8800
6326	80			4400	8800	8800	8800
6034	55			1600	3300	6600	8800
NU1034	55			1600	3300	4400	8800
NU322	60			3300	4400	4400	8800
7317	35		1100	4400	4400	4400	6600
7319	45		800	3300	4400	4400	6600
7322	60			3300	4400	4400	6600
7324	70			2200	4400	4400	6600

NB: Ball bearings on vertical motors should be lubricated twice as frequently as horizontal motors. The motor type is indicated by the first letter of the bearing type (6).

Table below: Relubrication intervals and grease amount for AMI motors.

Bearing type	Grease amount [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
6322	60	NA	NA	5100	6600	8800	8800	8800	8800	8800	8800
6324	75	NA	NA	4400	5900	8000	8800	8800	8800	8800	8800
6326	80	NA	NA	3600	5100	7300	8800	8800	8800	8800	8800
6330	100	NA	NA	3000	3600	5900	8000	8800	8800	8800	8800
_034	55	NA	NA	3000	5100	6600	8800	8800	8800	8800	8800
6334	130	NA	NA	2200	3000	5100	6600	8000	8800	8800	8800
_038	70	NA	NA	2200	3600	5900	8000	8800	8800	8800	8800
6338	160	NA	NA	1500	2200	4400	5900	6600	8800	8800	8800
_044	95	NA	NA	NA	NA	4400	5900	7300	8800	8800	8800
6344	200	NA	NA	NA	NA	3000	4400	5100	7300	8800	8800
_048	100	NA	NA	NA	NA	3600	5100	6600	8000	8800	8800
6348	240	NA	NA	NA	NA	2200	3600	4400	5900	8000	8800

¹⁾ Use synthetic grease only

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

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

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

Sleeve bearings

The axial float of rotor is as standard ± 8 mm from mechanical center. The running center locates within the float area and therefore operation is also allowed while motor is uncoupled, e.g. during test run. A pointer showing running center with regard to end limits is available as standard. Continuous axial forces are not permitted and therefore limiting type coupling is needed to ensure rotor location within axial float range. On request, when special axial float is at least ± 3 mm, magnetic running center can be adjusted within ± 2.4 mm from mechanical center (option).

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

Table below: Sleeve bearings and lubrication method.

Frame size	Poles	D-end bearing	N-end bearing	Lubrication Method
HXR 355	2	EFZLB 9-80	EFZLQ 9-80	Oil circulation ¹⁾
HXR 355	≥ 4	EFZLB 9-90	EFZLQ 9-90	Self lubrication
HXR 400	2	EFZLB 9-80	EFZLQ 9-80	Oil circulation ¹⁾
HXR 400	≥ 4	EFZLB 9-100	EFZLQ 9-100	Self lubrication
HXR 450	2	EFZLB 9-80	EFZLQ 9-80	Oil circulation ¹⁾
HXR 450	4	EFZLB 9-100	EFZLQ 9-100	Oil circulation ¹⁾
HXR 450	≥ 6	EFZLB 9-100	EFZLQ 9-100	Self lubrication
HXR 500	2	EFZLB 9-90	EFZLQ 9-90	Oil circulation ¹⁾
HXR 500	4	EFZLB 11-100	EFZLQ 9-100	Oil circulation ¹⁾
HXR 500	≥ 6	EFZLB 11-100	EFZLQ 9-100	Self lubrication
HXR 560	2	EFZLB 14-125	EFZLQ 14-125	Oil circulation
HXR 560	4	EFZLB 14-125	EFZLQ 14-125	Oil circulation ¹⁾
HXR 560	6	EFZLB 14-125	EFZLQ 14-125	Self lubrication
HXR 560	≥ 8	EFZLB 14-140	EFZLQ 14-140	Self lubrication
AMI 400	2	FZLB 9-80	FZLQ 9-80	Self lubrication
AMI 400	≥ 4	FZLB 9-100	FZLQ 9-100	Self lubrication
AMI 450	2	FZLB 9-80	FZLQ 9-80	Self lubrication
AMI 450	≥ 4	FZLB 11-125	FZLQ 9-100	Self lubrication
AMI 500	2	FZLB 9-100	FZLQ 9-100	Oil circulation ¹⁾
AMI 500	4	FZLB 14-125	FZLQ 11-125	Self lubrication
AMI 500	≥ 6	FZLB 14-140	FZLQ 11-125	Self lubrication
AMI 560	2	MZLB 14-140	MZLB 14-140	Oil circulation ¹⁾
AMI 560	4	FNLB 18-160	FNLQ 18-160	Self lubrication
AMI 560	≥ 6	FNLB 14-180	FNLQ 14-180	Self lubrication
AMI 630	2	MZLB 14-160	MZLB 14-160	Oil circulation ¹⁾
AMI 630	4	FNLB 18-160	FNLQ 18-160	Self lubrication
AMI 630	≥ 6	FNLB 18-200	FNLQ 18-200	Self lubrication

1) Possibility for self lubrication, please contact ABB

Vertical motors

Vertical motors 355 - 500 have deep groove ball bearing in D-end and single-row angular contact ball bearing in N-end.

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

Standard bearing solution is designed to carry the weight of the typical coupling half and the weight of the motor rotor only. Any additional radial or axial force caused by driven equipment may require special bearing construction.

Table below: Standard bearings for vertical motors.

Frame size	Poles	D-end	N-end
HXR 355	2	6317M/C3	7317 BMP ¹⁾
HXR 355	≥ 4	6322/C3	7319 BMP
HXR 400	2	6317M/C3	7317 BMP ²⁾
HXR 400	≥ 4	6324/C3	7319 BMP
HXR 450	≥ 4	6324/C3	7322 BMP
HXR 500	≥ 4	6326/C3	7324 BMP
AMI 400	≥ 4	6324/C3	7319 BMP
AMi 450	≥ 4	6326/C3	7322 BMP
AMI 500	≥ 4	6330/C3	7324 BMP
AMI 560	≥ 4	6038/C3	1x7330 BCBM
AMI 630	≥ 6	6044/C3	1x7334 BCBM

¹⁾ 60 Hz motors have ball bearing 6317M/C3.

²⁾ Only for 50 Hz motors.

Figure below: Standard bearing construction of vertically mounted motor, HXR 355 - 500. On the left the bearing is "axially locked" angular contact ball bearing and on the right is an axially free deep groove ball bearing.

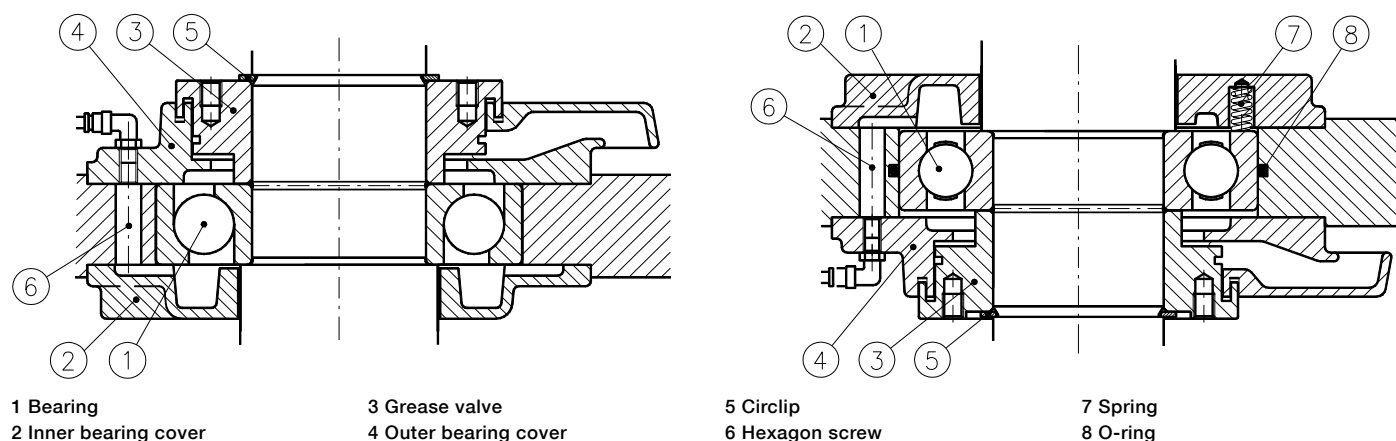
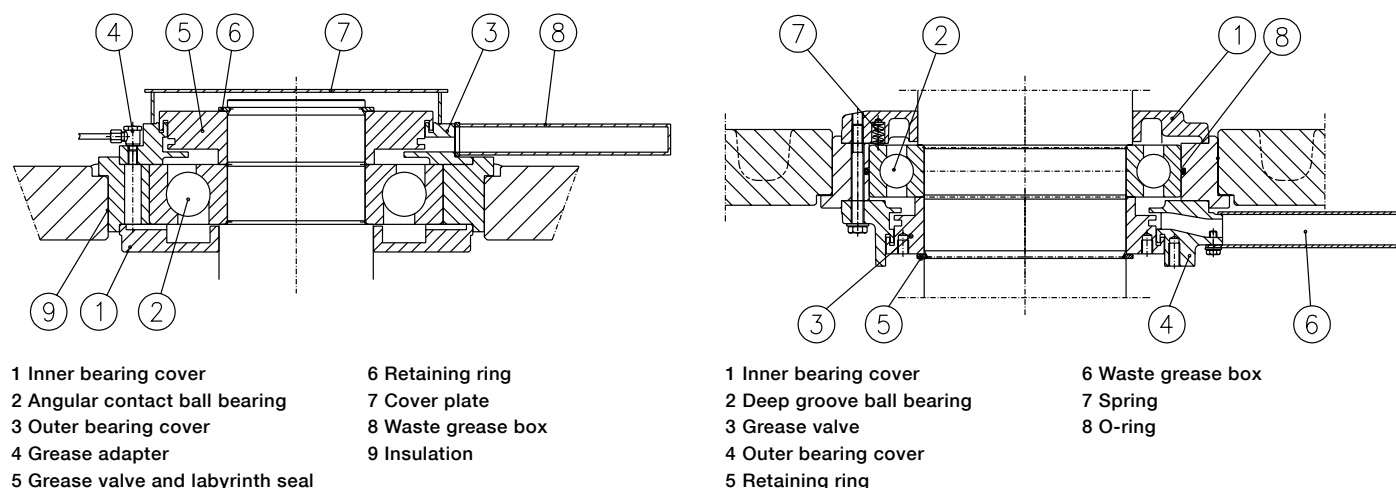


Figure below: Standard bearing construction of vertically mounted motor, AMI 400 - 630. On the left the bearing is "axially locked" angular contact ball bearing and on the right is an axially free deep groove ball bearing.



Bearing rating life

The bearing rates for all vertical motors with standard bearings have a rated life time L_{10h} in excess of 100000 h. The life times are calculated in accordance with ISO R 281-1.

The basic rated life L_{10h} is the number of hours at rated bearing load and speed that 90% of a group of identical

bearings will complete or exceed before the first evidence of failure.

Additional axial force from the driven equipment is not allowed.

Lubrication intervals

The motors are equipped with greasing nipple(s) in both ends for lubricating the bearings. The amount of grease and the

interval of greasing are stamped on the relubrication plate. The values are also available in the table on page 61.

Vibrations

Standard design

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

Table below: Standard design unfiltered vibration limits for IEC motors.

Poles	Speed [rpm]	Bearing housing vibration	Relative shaft vibration	Combined runout
2	$1800 < n \leq 3600$	2.3 mm/s rms	65 μm p-p	16 μm p-p
≥ 4	$n \leq 1800$	2.3 mm/s rms	90 μm p-p	23 μm p-p

Notes

All ratings in this catalog are designed for the following:

- Class F insulation / Maximum temperature rise of 80 °C by resistance
- Maximum 40 °C ambient
- Altitude of 1000 meters or less
- Data presented in rating lists are typical values. Guaranteed values are available on request. All engineered motors are optimized for the specified application. Accurate motor data will be given on request at quotation phase. Legally binding performance and specification data is given to the end user once each order is confirmed.
- Please provide load data and starting requirements to ABB for final design confirmation.

HV Cast iron motors, HXR

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 411 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque					Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_S}{I_N}$	I ₀ A	T _N Nm	$\frac{T_S}{T_N}$	$\frac{T_{max}}{T_N}$	Rotor inertia kgm ²	Motor weight kg	
3000 r/min = 2 poles				3000 V 50 Hz												
100	HXR 355LA2	25	2963	93.1	92.5	0.91	0.89	23	5.8	6	322	0.7	2.4	2.7	1570	85
125	HXR 355LA2	26	2967	93.8	93.4	0.91	0.89	28	6.1	7	402	0.7	2.6	2.7	1570	85
160	HXR 355LA2	27	2967	94.5	94.3	0.92	0.91	35	6.1	8	515	0.7	2.5	3.0	1650	85
200	HXR 355LA2	28	2967	94.9	94.8	0.92	0.91	44	6.0	9	644	0.7	2.4	3.0	1650	85
224	HXR 355LA2	29	2968	95.1	95.1	0.91	0.90	50	6.1	11	721	0.7	2.5	3.0	1650	85
250	HXR 355LB2	30	2969	95.4	95.3	0.91	0.90	55	6.2	13	804	0.7	2.5	3.1	1700	85
280	HXR 355LB2	31	2971	95.6	95.6	0.91	0.90	62	6.4	15	900	0.7	2.6	3.3	1750	85
315	HXR 355LD2	32	2970	95.8	95.9	0.92	0.91	69	6.5	14	1013	0.7	2.6	3.7	1890	85
355	HXR 400LC2	34	2981	96.1	95.9	0.90	0.88	79	6.8	20	1137	0.6	2.7	5.7	2590	82
400	HXR 400LD2	35	2980	96.2	96.1	0.90	0.89	89	6.7	21	1282	0.6	2.7	6.0	2630	82
450	HXR 400LE2	36	2982	96.5	96.3	0.89	0.88	100	6.7	24	1441	0.6	2.5	6.8	2810	82
500	HXR 400LF2	37	2982	96.6	96.5	0.90	0.89	111	6.7	26	1601	0.6	2.5	7.3	2930	82
560	HXR 400LG2	38	2982	96.8	96.7	0.90	0.89	124	6.9	28	1793	0.7	2.6	7.8	3050	82
630	HXR 450LG2	39	2984	96.7	96.5	0.91	0.90	137	7.3	32	2016	0.6	2.9	11.9	4000	85
710	HXR 450LJ2	40	2983	96.9	96.8	0.93	0.92	152	7.3	31	2273	0.7	2.8	13.9	4390	85
800	HXR 500LH2	42	2989	96.8	96.5	0.90	0.88	176	7.4	44	2556	0.7	3.0	23.7	5820	86
900	HXR 500LK2	43	2986	96.9	96.8	0.92	0.92	193	6.9	38	2878	0.7	2.7	25.8	6110	86
1000	HXR 500LL2	44	2988	97.1	96.9	0.92	0.91	216	7.2	46	3196	0.7	2.8	27.7	6380	86
1120	HXR 500LP2	45	2988	97.2	97.0	0.91	0.90	244	7.3	54	3579	0.7	2.8	31.4	6860	86
1250	HXR 500LR2	46	2989	97.4	97.3	0.93	0.92	267	7.5	53	3993	0.7	2.9	32.8	7220	86
1400	HXR 560LM2	704	2989	97.4	97.2	0.92	0.90	302	7.3	70	4473	0.6	2.9	43.7	9830	87
1600	HXR 560LR2	705	2990	97.6	97.4	0.93	0.92	341	7.3	72	5111	0.6	2.9	50.7	10810	87
1730	HXR 560LS2	706	2991	97.6	97.5	0.92	0.90	372	7.6	84	5524	0.6	3.0	55.5	11380	87

Data presented in rating lists are typical values. Guaranteed values on request.

All engineered motors are optimized for the specified application.

Accurate motor data will be given on request at quotation phase.

Legally binding performance and specification data is given to the end user once each order is confirmed.

HV Cast iron motors, HXR

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 411 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque					Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$	Rotor inertia kgm ²	Motor weight kg	
1500 r/min = 4 poles				3000 V 50 Hz												
100	HXR 355LA4	131	1487	94.1	93.5	0.83	0.79	25	6.1	10	642	1.0	2.4	4.7	1620	77
125	HXR 355LA4	132	1485	94.5	94.1	0.84	0.80	30	6.0	12	804	1.0	2.3	4.8	1620	77
160	HXR 355LA4	133	1485	94.9	94.6	0.85	0.82	38	5.9	14	1029	0.9	2.2	4.8	1630	77
200	HXR 355LA4	134	1484	95.1	95.0	0.85	0.82	48	5.7	17	1287	0.9	2.1	4.8	1630	77
224	HXR 355LA4	135	1485	95.3	95.3	0.85	0.82	53	5.9	18	1441	1.0	2.1	5.1	1670	77
250	HXR 355LB4	136	1485	95.5	95.5	0.85	0.82	59	6.1	21	1607	1.0	2.2	5.4	1720	77
280	HXR 355LB4	137	1486	95.7	95.7	0.84	0.81	67	6.2	24	1799	1.0	2.2	5.7	1770	77
315	HXR 355LC4	138	1487	95.9	95.9	0.84	0.81	75	6.2	27	2023	1.0	2.2	6.3	1870	77
355	HXR 355LE4	139	1487	96.2	96.1	0.85	0.82	84	6.2	29	2279	1.0	2.1	7.2	2020	77
400	HXR 400LC4	140	1491	96.5	96.4	0.86	0.83	93	6.1	31	2562	0.8	2.2	11.4	2630	76
450	HXR 400LD4	141	1490	96.6	96.6	0.87	0.85	103	6.0	31	2884	0.8	2.1	12.5	2750	76
500	HXR 400LE4	142	1490	96.7	96.8	0.88	0.86	113	6.0	32	3204	0.8	2.1	13.6	2880	76
560	HXR 400LG4	143	1491	96.9	96.9	0.87	0.85	128	6.5	40	3586	0.9	2.2	15.2	3070	76
630	HXR 400LH4	144	1491	97.0	97.0	0.88	0.86	142	6.5	43	4034	0.9	2.2	16.8	3270	76
710	HXR 450LG4	145	1492	97.1	97.1	0.88	0.86	160	6.4	48	4545	0.8	2.3	26.7	4170	77
800	HXR 450LJ4	146	1492	97.2	97.2	0.88	0.86	180	6.4	52	5120	0.8	2.2	29.4	4420	77
900	HXR 450LL4	147	1492	97.3	97.3	0.88	0.86	201	6.5	58	5760	0.9	2.2	33.0	4740	77
1000	HXR 500LJ4	148	1491	97.2	97.3	0.90	0.88	219	6.5	58	6404	0.7	2.4	48.5	6010	77
1120	HXR 500LK4	149	1492	97.4	97.5	0.90	0.89	245	6.3	62	7167	0.7	2.3	53.1	6310	77
1250	HXR 500LL4	150	1492	97.5	97.5	0.90	0.89	274	6.2	68	7998	0.7	2.2	55.8	6510	77
1400	HXR 500LP4	151	1493	97.6	97.7	0.89	0.88	308	6.4	83	8953	0.7	2.3	63.7	7090	77
1600	HXR 560LK4	627	1494	97.7	97.7	0.90	0.88	351	6.7	95	10229	0.7	2.4	85.4	9380	82
1800	HXR 560LP4	628	1495	97.8	97.7	0.89	0.87	399	6.9	119	11500	0.7	2.5	102.6	10290	82
2000	HXR 560LS4	629	1495	97.9	97.9	0.89	0.87	440	7.1	127	12777	0.7	2.5	121.3	11300	82
2240	HXR 560LT4	630	1496	98.0	97.9	0.87	0.85	504	7.2	161	14298	0.7	2.4	132.8	11940	82

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Technical data for totally enclosed squirrel cage three phase motors

IP 55 - IC 411 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque					Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_S}{I_N}$	I ₀ A	T _N Nm	$\frac{T_S}{T_N}$	$\frac{T_{max}}{T_N}$	Rotor inertia kgm ²	Motor weight kg	
1000 r/min = 6 poles				3000 V 50 Hz												
160	HXR 355LA6	246	988	94.5	94.4	0.78	0.74	42	5.2	19	1546	1.1	2.0	5.4	1660	75
180	HXR 355LB6	247	988	94.9	94.8	0.79	0.74	46	5.4	21	1740	1.2	2.0	5.7	1700	75
200	HXR 355LC6	248	988	95.1	95.1	0.80	0.76	50	5.2	21	1934	1.2	1.9	6.3	1800	75
224	HXR 355LC6	249	988	95.2	95.2	0.80	0.76	57	5.4	24	2165	1.2	1.9	6.6	1850	75
250	HXR 355LD6	250	988	95.4	95.4	0.80	0.76	63	5.4	26	2416	1.2	1.9	7.3	1940	75
280	HXR 355LE6	251	989	95.6	95.6	0.80	0.76	71	5.7	30	2704	1.3	2.0	7.9	2040	75
315	HXR 355LF6	252	991	95.9	95.8	0.78	0.73	81	5.8	38	3036	1.1	2.1	8.2	2100	75
355	HXR 400LD6	253	992	96.1	96.1	0.83	0.79	86	5.9	32	3417	1.1	2.0	18.4	2710	75
400	HXR 400LF6	254	993	96.3	96.3	0.83	0.80	96	6.0	36	3848	1.1	2.0	20.9	2900	75
450	HXR 400LH6	255	993	96.4	96.4	0.83	0.79	109	6.1	41	4327	1.0	2.0	24.2	3140	75
500	HXR 400LK6	256	994	96.6	96.5	0.82	0.78	122	6.3	50	4804	1.0	2.1	28.2	3460	75
560	HXR 450LF6	257	993	96.8	96.8	0.85	0.83	131	5.8	42	5388	1.0	2.0	34.9	3970	76
630	HXR 450LH6	258	993	96.8	96.9	0.86	0.83	146	5.9	47	6060	1.0	2.0	38.9	4200	76
710	HXR 450LK6	259	993	97.0	97.0	0.86	0.83	165	6.0	53	6828	1.0	2.0	44.2	4540	76
800	HXR 450LM6	260	994	97.1	97.1	0.85	0.83	186	6.1	62	7689	1.0	2.0	50.7	4930	76
900	HXR 500LG6	261	994	97.0	97.1	0.86	0.84	207	6.0	66	8648	0.9	2.1	58.3	5680	77
1000	HXR 500LJ6	262	994	97.1	97.2	0.87	0.85	228	5.9	68	9611	0.9	2.0	66.3	6080	77
1120	HXR 500LN6	263	994	97.3	97.4	0.86	0.84	257	6.1	83	10754	0.9	2.1	81.6	6860	77
1250	HXR 500LQ6	264	995	97.4	97.4	0.86	0.83	288	6.3	98	11998	0.9	2.2	89.1	7250	77
1400	HXR 500LS6	265	995	97.5	97.5	0.84	0.81	328	6.5	122	13431	0.9	2.3	97.9	7690	77
1600	HXR 560LN6	631	995	97.6	97.6	0.87	0.84	363	6.5	118	15348	0.8	2.3	137.2	10020	81
1800	HXR 560LR6	632	996	97.7	97.7	0.87	0.84	408	6.7	134	17262	0.8	2.4	163.6	11010	81
2000	HXR 560LU6	633	996	97.8	97.8	0.88	0.86	445	6.7	133	19171	0.7	2.4	200.1	12280	81

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HV Cast iron motors, HXR

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 411 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current		Torque						Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$	Rotor inertia kgm ²	Motor weight kg	
750 r/min = 8 poles				3000 V 50 Hz												
200	HXR 400LB8	360	741	94.9	95.1	0.81	0.77	50	4.7	20	2577	0.9	1.9	15.1	2460	75
224	HXR 400LC8	361	741	95.1	95.3	0.82	0.78	56	4.7	21	2886	0.9	1.8	16.8	2580	75
250	HXR 400LE8	362	741	95.4	95.6	0.82	0.79	61	4.7	23	3221	0.9	1.8	19.3	2770	75
280	HXR 400LF8	363	742	95.5	95.7	0.82	0.79	69	4.9	26	3606	0.9	1.9	21.8	2950	75
315	HXR 400LH8	364	742	95.7	95.9	0.82	0.78	78	5.2	31	4052	1.0	2.0	24.3	3140	75
355	HXR 400LJ8	365	742	95.8	96.0	0.82	0.79	86	5.1	33	4568	1.0	1.9	26.9	3330	75
400	HXR 450LD8	366	743	95.8	95.9	0.83	0.80	97	5.0	35	5144	0.8	1.9	30.0	3610	78
450	HXR 450LE8	367	743	95.9	96.0	0.83	0.80	109	5.1	40	5786	0.8	1.9	31.4	3690	78
500	HXR 450LG8	368	743	96.2	96.2	0.83	0.80	120	5.4	45	6424	0.9	2.0	38.2	4100	78
560	HXR 450LH8	369	744	96.3	96.3	0.83	0.79	135	5.5	52	7192	0.9	2.0	40.9	4260	78
630	HXR 450LL8	370	744	96.4	96.4	0.82	0.79	153	5.7	60	8085	1.0	2.1	48.9	4720	78
710	HXR 500LF8	371	745	96.3	96.3	0.81	0.78	174	5.3	68	9101	0.8	1.9	55.1	5470	78
800	HXR 500LH8	372	745	96.4	96.4	0.82	0.78	195	5.4	76	10254	0.9	1.9	61.1	5770	78
900	HXR 500LK8	373	745	96.6	96.6	0.82	0.78	219	5.6	85	11532	0.9	1.9	69.1	6170	78
1000	HXR 500LN8	374	745	96.7	96.7	0.82	0.79	243	5.3	90	12823	0.9	1.8	80.2	6730	78
1120	HXR 500LP8	375	746	96.9	96.9	0.81	0.78	273	5.2	106	14344	0.7	1.9	85.1	6920	78
1250	HXR 500LR8	376	746	97.0	97.0	0.81	0.77	306	5.5	124	16003	0.8	2.0	95.1	7430	78
1400	HXR 560LR8	717	747	97.2	97.1	0.81	0.78	341	5.7	135	17901	0.8	2.0	167.0	10950	80
1600	HXR 560LU8	718	747	97.3	97.2	0.81	0.78	388	5.8	153	20454	0.8	2.0	204.1	12310	80

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HV Cast iron motors, HXR

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 411 - Insulation class F, temperature rise class B

Output kW	Motor type	Product ID	Speed r/min	Efficiency		Power factor		Current			Torque			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 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
600 r/min = 10 poles				3000 V 50 Hz												
160	HXR 400LC10	455	594	94.2	94.0	0.70	0.64	46	4.7	26	2572	0.9	1.9	16.9	2580	75
180	HXR 400LD10	456	594	94.4	94.2	0.72	0.66	51	4.5	27	2895	0.9	1.9	18.6	2710	75
200	HXR 400LE10	457	594	94.5	94.3	0.71	0.65	57	4.7	31	3215	0.9	1.9	19.8	2800	75
224	HXR 400LF10	458	594	94.7	94.5	0.72	0.66	63	4.7	34	3601	0.9	1.9	22.0	2970	75
250	HXR 400LH10	459	594	94.9	94.7	0.72	0.66	70	4.8	37	4018	1.0	1.9	24.5	3160	75
280	HXR 400LK10	460	594	95.0	94.9	0.73	0.67	78	4.8	41	4499	1.0	1.9	28.4	3450	75
315	HXR 450LG10	461	595	95.9	95.9	0.76	0.70	84	5.1	41	5059	1.0	2.0	38.2	4090	75
355	HXR 450LJ10	462	595	96.0	96.0	0.76	0.71	94	5.1	45	5701	0.9	2.0	42.3	4330	75
400	HXR 450LK10	463	595	96.1	96.1	0.76	0.70	106	5.2	52	6422	1.0	2.0	46.4	4570	75
450	HXR 450LM10	464	595	96.2	96.2	0.75	0.69	119	5.4	60	7222	1.0	2.1	51.9	4900	75
500	HXR 500LH10	465	595	96.5	96.6	0.77	0.72	129	5.0	59	8026	0.8	2.0	62.7	5860	75
560	HXR 500LK10	466	595	96.5	96.6	0.78	0.74	143	4.9	62	8991	0.8	1.9	70.7	6210	75
630	HXR 500LM10	467	595	96.6	96.7	0.78	0.74	160	4.9	70	10114	0.8	1.9	78.7	6610	75
710	HXR 500LN10	468	595	96.5	96.6	0.79	0.75	180	4.8	75	11403	0.8	1.8	82.7	6820	76
800	HXR 500LP10	469	594	96.5	96.7	0.79	0.75	202	4.7	82	12852	0.8	1.8	86.7	7000	76
900	HXR 500LR10	470	595	96.7	96.8	0.79	0.74	228	4.9	98	14449	0.9	1.9	98.7	7600	76
1000	HXR 560LN10	637	597	97.0	97.0	0.78	0.73	256	5.1	115	16006	0.7	1.9	140.6	9970	78
1120	HXR 560LQ10	638	597	97.1	97.0	0.77	0.72	289	5.4	135	17921	0.8	2.0	154.3	10460	78
1250	HXR 560LT10	719	596	97.1	97.1	0.79	0.76	312	4.8	124	20015	0.7	1.8	188.7	11690	78
1350	HXR 560LU10	720	597	97.2	97.0	0.75	0.69	355	6.1	182	21582	1.0	2.3	209.3	12430	78
500 r/min = 12 poles				3000 V 50 Hz												
140	HXR 400LD12	541	494	93.6	93.4	0.67	0.61	43	4.0	25	2707	0.9	1.8	18.6	2700	75
160	HXR 400LE12	542	494	93.8	93.6	0.68	0.62	48	4.0	27	3095	0.9	1.7	20.2	2830	75
180	HXR 400LG12	543	494	94.0	93.9	0.69	0.63	53	3.9	29	3482	0.9	1.7	22.8	3020	75
200	HXR 400LH12	544	494	94.0	93.9	0.69	0.63	59	4.0	32	3868	0.9	1.7	25.3	3210	75
224	HXR 400LK12	545	494	94.2	94.0	0.68	0.61	67	4.2	39	4328	1.0	1.8	27.7	3390	75
250	HXR 450LH12	546	495	94.9	94.7	0.70	0.65	72	4.0	38	4827	0.8	1.7	39.6	4180	75
280	HXR 450LJ12	547	494	95.1	95.0	0.71	0.66	80	3.9	40	5409	0.7	1.6	42.4	4370	75
315	HXR 450LL12	548	495	95.1	95.0	0.71	0.65	90	4.0	46	6081	0.8	1.7	49.2	4750	75
355	HXR 450LM12	549	495	95.1	95.0	0.71	0.65	101	4.1	53	6854	0.8	1.7	51.9	4910	75
400	HXR 500LJ12	550	495	95.6	95.5	0.71	0.65	114	4.3	60	7717	0.8	1.8	66.5	6040	75
450	HXR 500LL12	551	495	95.6	95.6	0.71	0.66	127	4.2	65	8684	0.8	1.7	72.5	6340	75
500	HXR 500LN12	552	495	95.7	95.7	0.72	0.66	140	4.2	71	9648	0.8	1.7	80.4	6730	75
560	HXR 500LQ12	553	495	95.6	95.5	0.71	0.66	158	4.3	81	10803	0.8	1.8	88.4	7100	75
630	HXR 500LR12	554	495	95.7	95.6	0.72	0.67	177	4.2	88	12158	0.8	1.7	92.4	7300	75
710	HXR 500LS12	555	495	95.8	95.7	0.71	0.66	200	4.4	103	13695	0.8	1.8	104.4	7890	75
800	HXR 560LN12	721	496	96.5	96.6	0.78	0.74	204	4.2	87	15414	0.6	1.8	136.2	9800	76
900	HXR 560LR12	722	496	96.6	96.7	0.78	0.73	231	4.6	104	17324	0.7	1.9	167.0	10870	76
1000	HXR 560LT12	723	497	96.8	96.7	0.76	0.70	262	5.1	131	19231	0.8	2.1	187.5	11610	76
1100	HXR 560LU12	724	497	96.9	96.8	0.75	0.69	291	5.0	145	21128	0.8	2.0	209.2	12360	76

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HV Cast iron motors, HXR

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 411 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque					Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$	Rotor inertia kgm ²	Motor weight kg	
3000 r/min = 2 poles				6000 V 50 Hz												
160	HXR 355LB2	8663	2967	94.6	94.3	0.88	0.85	18	6.6	6	515	0.8	2.9	2.2	1670	85
180	HXR 355LB2	8664	2962	94.6	94.5	0.89	0.87	21	6.2	6	580	0.7	2.7	2.2	1670	85
200	HXR 355LB2	8665	2966	95.0	94.9	0.89	0.87	23	6.5	6	644	0.7	2.8	2.3	1720	85
224	HXR 355LB2	8666	2968	95.1	95.1	0.89	0.86	26	6.6	7	721	0.7	2.8	2.4	1760	85
250	HXR 355LC2	8667	2971	95.2	95.1	0.89	0.87	28	6.7	7	804	0.9	2.5	3.7	1810	85
280	HXR 355LD2	53	2978	95.5	95.4	0.90	0.88	31	6.9	8	898	0.7	2.7	3.7	1840	85
315	HXR 400LC2	8668	2976	95.6	95.4	0.88	0.86	36	6.7	9	1011	0.8	2.5	6.0	2540	82
355	HXR 400LC2	55	2981	95.9	95.7	0.90	0.88	40	6.9	10	1137	0.7	2.8	5.7	2530	82
400	HXR 400LD2	56	2981	96.2	96.1	0.91	0.90	44	6.9	10	1281	0.6	2.7	6.1	2640	82
450	HXR 400LF2	57	2982	96.4	96.3	0.91	0.90	49	6.9	11	1441	0.6	2.7	7.1	2880	82
500	HXR 400LG2	58	2983	96.6	96.5	0.91	0.90	55	6.9	12	1601	0.6	2.6	7.4	2940	82
560	HXR 450LF2	59	2984	96.5	96.3	0.92	0.91	61	7.4	13	1792	0.7	3.0	11.5	3870	85
630	HXR 450LH2	60	2984	96.7	96.6	0.93	0.92	67	7.2	14	2016	0.7	2.8	13.0	4170	85
690	HXR 450LK2	61	2984	96.8	96.7	0.93	0.92	74	7.3	15	2208	0.7	2.8	14.2	4410	85
710	HXR 500LG2	62	2988	96.6	96.3	0.91	0.89	78	7.3	19	2269	0.7	2.9	22.4	5570	86
800	HXR 500LH2	63	2987	96.7	96.5	0.92	0.90	87	7.3	19	2557	0.7	2.8	23.8	5760	86
900	HXR 500LL2	64	2988	96.9	96.7	0.92	0.91	97	7.2	21	2877	0.7	2.8	27.0	6230	86
1000	HXR 500LN2	65	2987	97.1	97.0	0.93	0.92	107	7.1	20	3197	0.7	2.7	30.3	6690	86
1120	HXR 500LQ2	66	2988	97.2	97.1	0.91	0.90	121	7.3	26	3579	0.7	2.7	32.2	6970	86
1250	HXR 560LM2	707	2986	97.1	97.0	0.92	0.90	135	7.4	32	3997	0.6	3.0	44.4	9700	87
1400	HXR 560LN2	708	2989	97.3	97.2	0.91	0.90	152	7.4	36	4473	0.6	2.9	46.5	10050	87
1600	HXR 560LS2	709	2991	97.5	97.3	0.90	0.89	175	7.4	43	5109	0.6	2.8	56.6	11260	87

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HV Cast iron motors, HXR

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 411 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque					Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_S}{I_N}$	I ₀ A	T _N Nm	$\frac{T_S}{T_N}$	$\frac{T_{max}}{T_N}$	Rotor inertia kgm ²	Motor weight kg	
1500 r/min = 4 poles				6000 V 50 Hz												
160	HXR 355LB4	8671	1487	94.8	94.6	0.82	0.77	20	5.7	8	1028	0.9	2.2	4.0	1720	77
180	HXR 355LB4	8672	1486	94.9	94.8	0.81	0.77	22	5.4	9	1157	0.8	2.0	4.0	1730	77
200	HXR 355LB4	8673	1486	95.1	95.0	0.83	0.79	24	5.4	10	1285	0.8	2.1	4.0	1730	77
224	HXR 355LB4	8674	1486	95.2	95.2	0.82	0.79	27	5.3	11	1440	0.8	2.1	4.0	1730	77
250	HXR 355LC4	8675	1486	95.4	95.5	0.83	0.80	30	5.5	11	1606	0.8	2.1	4.4	1830	77
280	HXR 355LC4	159	1487	95.4	95.4	0.84	0.81	33	6.5	13	1798	1.1	2.3	6.0	1780	77
315	HXR 355LE4	160	1488	95.7	95.7	0.85	0.81	37	6.5	14	2021	1.1	2.2	7.2	1970	77
355	HXR 400LC4	8676	1486	96.1	96.2	0.86	0.83	41	5.2	13	2281	0.7	2.0	7.2	2530	76
400	HXR 400LD4	8677	1487	96.3	96.4	0.86	0.83	46	5.5	15	2568	0.8	2.1	7.9	2660	76
450	HXR 400LD4	163	1490	96.5	96.5	0.87	0.85	52	6.2	16	2884	0.9	2.2	12.5	2720	76
500	HXR 400LE4	164	1490	96.6	96.7	0.88	0.86	57	6.1	17	3204	0.9	2.1	13.6	2850	76
560	HXR 400LG4	165	1491	96.9	96.9	0.87	0.85	64	6.3	19	3587	0.9	2.2	15.7	3100	76
630	HXR 450LE4	166	1492	96.9	96.8	0.87	0.84	72	6.6	24	4031	0.8	2.4	22.9	3810	77
710	HXR 450LG4	167	1492	97.0	97.0	0.88	0.86	80	6.4	24	4545	0.8	2.3	26.7	4130	77
800	HXR 450LJ4	168	1492	97.2	97.2	0.88	0.87	90	6.3	25	5121	0.8	2.2	30.3	4450	77
900	HXR 500LF4	170	1491	97.1	97.1	0.89	0.87	100	6.1	28	5763	0.8	2.2	40.0	5430	77
1000	HXR 500LG4	171	1492	97.2	97.2	0.89	0.87	112	6.2	32	6401	0.8	2.2	44.0	5690	77
1120	HXR 500LJ4	172	1493	97.4	97.3	0.88	0.86	125	6.6	37	7165	0.8	2.3	49.5	6080	77
1250	HXR 500LP4	173	1493	97.5	97.5	0.88	0.86	140	6.5	42	7994	0.8	2.3	63.3	7030	77
1400	HXR 500LR4	174	1493	97.6	97.6	0.88	0.86	157	6.5	47	8952	0.7	2.3	68.7	7420	77
1600	HXR 560LM4	645	1495	97.7	97.6	0.89	0.86	178	6.9	54	10223	0.7	2.5	91.2	9640	82
1800	HXR 560LR4	646	1495	97.8	97.7	0.89	0.87	199	6.9	58	11499	0.7	2.5	116.5	10930	82
2000	HXR 560LT4	647	1496	97.9	97.8	0.88	0.86	224	7.0	68	12767	0.7	2.3	130.8	11680	82

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HV Cast iron motors, HXR

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 411 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current		Torque					Rotor inertia kgm ²	Motor weight kg	Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$				
1000 r/min = 6 poles				6000 V 50 Hz													
125	HXR 355LC6	8685	991	94.4	93.9	0.74	0.67	17	6.0	10	1204	1.0	2.8	4.8	1810	75	
160	HXR 355LC6	8686	988	94.5	94.4	0.78	0.73	21	5.0	10	1546	0.8	2.2	4.8	1810	75	
180	HXR 355LC6	8687	988	94.6	94.6	0.78	0.73	23	4.9	11	1740	0.7	2.1	4.8	1820	75	
200	HXR 355LD6	8688	987	94.7	94.8	0.79	0.74	26	4.7	12	1934	0.7	2.0	5.0	1870	75	
224	HXR 355LD6	8689	990	95.0	94.9	0.79	0.74	29	5.9	13	2161	1.3	2.2	7.3	1910	75	
250	HXR 355LE6	271	989	95.2	95.2	0.80	0.76	31	5.7	13	2414	1.3	2.0	7.9	2000	75	
280	HXR 400LC6	273	991	95.8	95.7	0.81	0.77	35	5.8	15	2698	1.0	2.2	11.2	2490	75	
315	HXR 400LC6	274	990	95.8	95.9	0.82	0.78	39	5.5	15	3037	0.9	2.0	11.8	2560	75	
355	HXR 400LD6	275	991	96.1	96.1	0.82	0.78	43	5.8	18	3421	1.0	2.1	12.9	2680	75	
400	HXR 400LF6	276	992	96.2	96.2	0.82	0.77	49	5.9	20	3852	1.0	2.2	14.5	2870	75	
450	HXR 400LJ6	277	992	96.4	96.4	0.83	0.79	54	6.0	21	4332	1.0	2.2	17.8	3250	75	
450	HXR 450LD6	278	992	96.3	96.4	0.85	0.82	53	6.0	19	4330	1.0	2.1	28.3	3520	76	
560	HXR 450LF6	279	993	96.6	96.7	0.86	0.83	65	6.0	21	5388	1.1	2.0	35.0	3920	76	
630	HXR 450LH6	280	993	96.7	96.8	0.86	0.83	73	6.0	24	6060	1.1	2.0	38.9	4160	76	
710	HXR 450LK6	281	994	96.9	96.9	0.84	0.81	84	6.4	30	6822	1.1	2.1	45.3	4520	76	
800	HXR 500LH6	283	994	96.9	96.9	0.83	0.80	95	5.8	36	7685	0.8	2.1	59.2	5690	77	
900	HXR 500LJ6	284	994	97.0	97.0	0.84	0.81	107	5.7	38	8647	0.8	2.0	63.0	5890	77	
1000	HXR 500LK6	285	994	97.1	97.1	0.84	0.82	117	5.8	40	9609	0.9	2.0	69.0	6180	77	
1120	HXR 500LN6	286	994	97.2	97.2	0.84	0.80	132	6.1	48	10755	0.9	2.1	80.4	6760	77	
1250	HXR 500LR6	287	995	97.4	97.4	0.85	0.82	145	6.2	52	11996	0.8	2.2	92.5	7350	77	
1400	HXR 560LM6	648	996	97.5	97.4	0.86	0.82	161	6.8	58	13423	0.8	2.5	129.9	9690	81	
1600	HXR 560LR6	649	996	97.6	97.5	0.85	0.81	186	6.9	71	15334	0.8	2.5	155.4	10630	81	
1800	HXR 560LU6	650	996	97.7	97.7	0.87	0.85	203	6.7	66	17260	0.8	2.4	197.1	12110	81	

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HV Cast iron motors, HXR

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 411 - Insulation class F, temperature rise class B

Output kW	Motor type	Product ID	Speed r/min	Efficiency		Power factor		Current			Torque			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 %	I _N A	$\frac{I_S}{I_N}$	I ₀ A	T _N Nm	$\frac{T_S}{T_N}$	$\frac{T_{max}}{T_N}$			
750 r/min = 8 poles				6000 V 50 Hz												
180	HXR 400LC8	377	741	94.5	94.5	0.77	0.72	24	4.7	11	2319	1.0	1.9	11.7	2520	75
200	HXR 400LD8	378	742	94.7	94.7	0.76	0.71	27	4.8	13	2575	1.0	1.9	12.8	2650	75
224	HXR 400LE8	379	741	94.9	95.0	0.78	0.74	29	4.6	13	2887	1.0	1.8	13.9	2780	75
250	HXR 400LF8	380	741	94.9	95.1	0.79	0.75	32	4.4	13	3224	0.9	1.7	15.0	2900	75
280	HXR 400LH8	381	741	95.2	95.3	0.79	0.75	36	4.7	15	3607	1.0	1.8	17.2	3150	75
305	HXR 400LH8	1553	742	95.1	95.0	0.76	0.70	41	5.2	20	3924	1.1	2.1	16.7	3100	75
315	HXR 400LJ8	382	741	95.1	95.1	0.78	0.74	41	4.8	18	4057	1.0	1.9	17.8	3220	75
355	HXR 450LD8	383	743	95.5	95.5	0.83	0.80	43	5.1	15	4566	0.9	1.9	30.0	3570	78
400	HXR 450LF8	384	743	95.7	95.7	0.83	0.80	48	5.4	18	5140	0.9	2.1	34.1	3810	78
450	HXR 450LG8	385	743	95.8	95.9	0.84	0.80	54	5.4	20	5783	0.9	2.0	36.8	3970	78
500	HXR 450LK8	386	744	96.1	96.0	0.84	0.80	60	5.6	22	6420	1.0	2.1	46.3	4530	78
560	HXR 450LM8	387	744	96.2	96.1	0.84	0.80	67	5.6	25	7190	0.9	2.1	51.7	4850	78
630	HXR 450LN8	388	745	96.3	96.2	0.81	0.77	77	6.2	33	8076	1.0	2.4	53.1	4930	78
710	HXR 500LJ8	389	745	96.2	96.1	0.83	0.79	85	5.8	33	9102	0.8	2.2	67.0	5980	78
800	HXR 500LK8	390	745	96.4	96.3	0.83	0.79	97	5.4	37	10259	0.7	2.0	68.7	6080	78
900	HXR 500LL8	391	745	96.5	96.4	0.81	0.76	111	6.0	49	11531	0.9	2.3	72.7	6270	78
1000	HXR 500LP8	392	746	96.7	96.7	0.82	0.78	122	5.5	48	12805	0.8	2.0	85.1	6860	78
1120	HXR 500LS8	393	746	96.9	96.8	0.82	0.79	135	5.6	53	14337	0.8	2.1	105.1	7830	78
1250	HXR 560LP8	725	747	97.1	96.9	0.80	0.76	154	5.8	64	15981	0.8	2.0	146.6	10160	80
1400	HXR 560LT8	726	747	97.2	97.1	0.82	0.78	169	5.8	69	17897	0.6	2.2	188.0	11570	80
1500	HXR 560LU8	727	747	97.2	97.0	0.80	0.75	185	5.8	82	19168	0.6	2.3	204.0	12180	80

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HV Cast iron motors, HXR

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 411 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current		Torque					Rotor inertia kgm ²	Motor weight kg	Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$				
600 r/min = 10 poles				6000 V 50 Hz													
224	HXR 450LD10	8696	595	95.2	95.1	0.74	0.68	31	5.2	16	3596	1.0	2.1	30.1	3550	75	
250	HXR 450LE10	472	595	95.3	95.3	0.75	0.69	34	5.1	17	4015	1.0	2.0	32.8	3710	75	
280	HXR 450LF10	473	595	95.4	95.5	0.76	0.70	37	5.1	18	4497	0.9	2.0	35.5	3860	75	
315	HXR 450LG10	474	595	95.5	95.6	0.76	0.70	42	5.1	21	5059	1.0	2.0	38.2	4020	75	
355	HXR 450LJ10	475	594	95.7	95.8	0.77	0.72	46	4.9	21	5703	0.9	1.9	43.7	4340	75	
400	HXR 450LK10	476	595	95.7	95.7	0.76	0.70	53	5.2	26	6423	1.0	2.0	46.4	4500	75	
450	HXR 450LM10	477	595	95.9	95.9	0.76	0.70	60	5.4	30	7222	1.0	2.1	51.9	4820	75	
500	HXR 500LJ10	479	594	96.1	96.3	0.77	0.73	65	4.7	28	8039	0.9	1.8	64.5	5890	75	
560	HXR 500LL10	480	594	96.3	96.4	0.78	0.74	72	4.8	31	9002	0.9	1.8	74.4	6370	75	
630	HXR 500LM10	481	595	96.2	96.2	0.79	0.74	80	4.9	35	10117	0.8	1.9	78.7	6530	76	
710	HXR 500LP10	482	594	96.2	96.3	0.79	0.75	90	4.7	37	11405	0.8	1.8	84.7	6830	76	
800	HXR 500LQ10	483	594	96.3	96.4	0.79	0.75	101	4.7	41	12853	0.8	1.8	90.7	7120	76	
900	HXR 500LS10	769	597	96.5	96.3	0.75	0.69	120	5.4	62	14404	0.9	2.1	101.7	7620	76	
1000	HXR 560LQ10	728	596	96.9	96.9	0.79	0.76	125	4.6	49	16016	0.6	1.7	154.3	10350	78	
1120	HXR 560LS10	729	597	97.0	96.9	0.77	0.71	145	5.6	70	17913	0.8	2.1	175.0	11080	78	
1230	HXR 560LU10	730	597	97.0	96.9	0.78	0.73	157	5.6	73	19673	0.8	2.1	209.3	12250	78	
500 r/min = 12 poles				6000 V 50 Hz													
140	HXR 400LG12	8698	493	92,9	92,4	0,63	0,56	23	3,7	15	2710	0,8	1,9	16,5	3020	75	
160	HXR 450LG12	8699	496	94,1	93,5	0,62	0,55	26	4,1	17	3082	0,8	2,0	27,0	3970	75	
180	HXR 400LJ12	558	496	93,4	92,9	0,65	0,57	29	4,7	18	3469	1,1	2,1	26,2	3200	75	
200	HXR 450LG12	8700	494	94,2	94,0	0,67	0,61	31	3,5	17	3863	0,6	1,6	27,0	3970	75	
224	HXR 450LG12	560	495	94,4	94,3	0,70	0,65	32	4,0	17	4324	0,8	1,7	38,3	4040	75	
250	HXR 450LJ12	561	495	94,7	94,5	0,71	0,65	36	4,1	19	4824	0,8	1,8	43,7	4360	75	
280	HXR 450LK12	562	495	94,7	94,5	0,71	0,65	40	4,1	21	5405	0,8	1,7	46,4	4520	75	
315	HXR 450LL12	563	495	94,7	94,6	0,71	0,66	45	4,0	23	6082	0,8	1,7	49,2	4680	75	
355	HXR 500LJ12	565	495	95,1	94,9	0,71	0,65	51	4,3	27	6852	0,8	1,8	64,5	5880	75	
400	HXR 500LK12	566	495	95,0	94,8	0,71	0,65	57	4,3	30	7721	0,8	1,7	68,5	6080	75	
450	HXR 500LL12	567	495	95,1	95,0	0,71	0,66	64	4,2	33	8687	0,8	1,7	74,5	6370	75	
500	HXR 500LN12	568	495	95,2	95,1	0,72	0,66	70	4,2	36	9652	0,8	1,7	82,4	6770	75	
560	HXR 500LQ12	569	495	95,3	95,1	0,71	0,66	79	4,4	41	10807	0,9	1,8	90,4	7160	75	
630	HXR 500LS12	570	495	95,4	95,2	0,71	0,65	89	4,4	47	12154	0,9	1,8	102,4	7740	75	
710	HXR 560LM12	657	496	96,3	96,3	0,77	0,72	92	4,5	42	13670	0,7	1,9	132,8	9560	76	
800	HXR 560LQ12	731	497	96,5	96,4	0,75	0,69	106	5,1	54	15384	0,8	2,2	153,3	10290	76	
900	HXR 560LS12	732	496	96,5	96,5	0,77	0,71	117	4,9	56	17313	0,7	2,1	180,6	11250	76	
980	HXR 560LU12	733	497	96,7	96,7	0,77	0,72	127	4,7	57	18832	0,7	1,9	209,2	12210	76	

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HV Cast iron motors, HXR

Technical data for totally enclosed squirrel cage three phase motors

10000 V - 50 Hz

IP 55 - IC 411 - Insulation class F, temperature rise class B

Output kW	Motor type	Product ID	Speed r/min	Efficiency		Power factor		Current			Torque			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 %	I _N A	$\frac{I_S}{I_N}$	I ₀ A	T _N Nm	$\frac{T_S}{T_N}$	$\frac{T_{max}}{T_N}$			
3000 r/min = 2 poles				10000 V 50 Hz												
400	HXR 450LF2	8669	2983	95.5	95.2	0.90	0.89	27	6.7	7	1281	0.7	2.6	11.5	3790	85
450	HXR 450LF2	17	2984	95.8	95.5	0.89	0.87	30	7.0	8	1440	0.7	2.7	11.9	3870	85
500	HXR 450LG2	18	2985	96.0	95.8	0.90	0.89	33	7.1	8	1600	0.7	2.8	12.5	4010	85
560	HXR 500LF2	19	2987	96.0	95.6	0.90	0.88	38	7.2	10	1790	0.7	2.9	20.7	5300	86
630	HXR 500LG2	20	2987	96.2	95.9	0.91	0.90	41	7.2	10	2014	0.7	2.8	22.8	5570	86
710	HXR 500LJ2	21	2988	96.5	96.2	0.91	0.89	47	7.3	11	2269	0.7	2.8	24.7	5850	86
800	HXR 500LL2	22	2988	96.7	96.5	0.92	0.91	52	7.2	11	2557	0.7	2.7	27.6	6300	86
900	HXR 500LM2	23	2989	96.8	96.6	0.90	0.88	60	7.5	15	2875	0.7	2.8	29.3	6490	86
1120	HXR 560LM2	711	2990	97.0	96.7	0.90	0.88	74	7.5	19	3577	0.6	2.9	44.2	9700	87
1250	HXR 560LQ2	712	2990	97.1	96.9	0.90	0.89	82	7.5	21	3992	0.6	2.8	50.4	10420	87
1500 r/min = 4 poles				10000 V 50 Hz												
355	HXR 450LC4	8678	1491	95.9	95.7	0.83	0.79	26	5.9	10	2273	0.8	2.2	11.8	3460	77
400	HXR 450LD4	8679	1491	96.2	96.0	0.84	0.81	29	5.9	11	2562	0.8	2.2	12.9	3620	77
450	HXR 450LE4	8680	1491	96.3	96.2	0.85	0.82	32	6.0	11	2882	0.8	2.2	14.0	3780	77
500	HXR 450LF4	8681	1491	96.5	96.4	0.85	0.81	35	6.1	13	3201	0.8	2.2	15.0	3940	77
560	HXR 450LG4	8682	1492	96.7	96.5	0.84	0.81	40	6.4	15	3584	0.9	2.3	16.1	4100	77
630	HXR 450LH4	8683	1493	96.8	96.7	0.83	0.79	45	6.6	18	4031	0.9	2.4	17.0	4270	77
710	HXR 500LF4	126	1491	96.6	96.6	0.86	0.83	50	5.7	16	4547	0.8	2.1	36.4	5460	77
800	HXR 500LG4	127	1492	96.9	96.8	0.87	0.85	55	6.2	17	5120	0.8	2.3	39.3	5660	77
900	HXR 500LK4	128	1493	97.1	97.0	0.87	0.85	61	6.5	19	5758	0.8	2.3	46.8	6240	77
1000	HXR 500LL4	129	1493	97.2	97.1	0.87	0.84	68	6.3	22	6397	0.8	2.2	49.0	6430	77
1120	HXR 560LL4	661	1494	97.4	97.4	0.87	0.84	76	6.6	25	7159	0.7	2.5	67.4	9500	82
1250	HXR 560LN4	662	1495	97.5	97.4	0.87	0.84	85	6.9	29	7985	0.7	2.6	74.1	9920	82
1400	HXR 560LR4	663	1495	97.6	97.6	0.87	0.84	95	7.0	33	8942	0.7	2.7	82.1	10520	82

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Legally binding performance and specification data is given to the end user once each order is confirmed.

HV Cast iron motors, HXR

Technical data for totally enclosed squirrel cage three phase motors

10000 V - 50 Hz

IP 55 - IC 411 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque					Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$	Rotor inertia kgm ²	Motor weight kg	
1000 r/min = 6 poles				10000 V 50 Hz												
315	HXR 450LE6	8690	993	95.6	95.4	0.79	0.73	24	5.1	11	3030	0.7	2.1	14.4	3680	76
355	HXR 450LF6	8691	992	95.7	95.5	0.79	0.74	27	5.3	12	3419	0.8	2.3	15.9	3910	76
400	HXR 450LH6	8692	994	96.0	95.8	0.77	0.71	31	5.7	15	3844	0.8	2.4	17.6	4160	76
450	HXR 450LJ6	8693	993	96.1	96.0	0.79	0.74	34	5.4	16	4326	0.8	2.2	18.7	4310	76
500	HXR 450LK6	237	994	96.3	96.1	0.80	0.75	37	6.4	17	4801	0.9	2.4	28.9	4540	76
560	HXR 500LF6	238	995	96.4	96.3	0.82	0.77	41	6.3	18	5375	0.9	2.4	41.1	5420	77
630	HXR 500LG6	239	995	96.5	96.5	0.82	0.78	46	6.2	19	6048	0.8	2.3	44.0	5610	77
710	HXR 500LH6	240	995	96.7	96.6	0.83	0.79	51	6.1	21	6817	0.9	2.3	46.9	5800	77
800	HXR 500LL6	241	995	96.9	96.7	0.82	0.77	58	6.5	25	7676	0.9	2.4	54.0	6280	77
900	HXR 500LM6	242	995	97.0	96.9	0.81	0.76	66	6.2	29	8635	0.8	2.3	58.1	6560	77
1000	HXR 560LL6	664	996	97.2	97.1	0.84	0.79	71	6.3	28	9588	0.7	2.5	90.2	9450	81
1120	HXR 560LN6	665	996	97.3	97.2	0.84	0.79	79	6.5	32	10737	0.7	2.5	99.7	9930	81
1250	HXR 560LQ6	666	996	97.3	97.2	0.82	0.78	90	6.5	38	11980	0.7	2.6	108.4	10340	81
1400	HXR 560LR6	667	997	97.4	97.2	0.79	0.72	106	7.1	53	13410	0.8	2.8	112.3	10580	81
750 r/min = 8 poles				10000 V 50 Hz												
315	HXR 500LD8	8694	745	94.9	94.5	0.77	0.71	25	5.8	13	4037	0.9	2.4	35.5	4990	78
355	HXR 500LE8	351	745	95.0	94.8	0.79	0.73	27	5.7	13	4552	0.9	2.3	37.0	5090	78
400	HXR 500LF8	352	745	95.4	95.1	0.78	0.72	31	5.8	15	5127	0.9	2.3	39.9	5280	78
450	HXR 500LG8	353	745	95.6	95.4	0.78	0.72	35	5.8	17	5767	0.9	2.3	44.3	5570	78
500	HXR 500LH8	354	745	95.8	95.6	0.79	0.74	38	5.8	18	6409	0.9	2.3	47.3	5760	78
560	HXR 500LJ8	355	745	95.8	95.7	0.80	0.74	42	5.8	19	7180	0.9	2.3	50.3	5960	78
630	HXR 500LK8	356	745	96.0	95.9	0.80	0.75	47	5.8	21	8078	0.9	2.2	53.3	6150	78
710	HXR 500LM8	357	745	96.1	96.0	0.80	0.76	53	5.7	23	9105	0.9	2.2	57.7	6440	78
800	HXR 500LP8	358	744	96.3	96.2	0.81	0.77	59	5.3	25	10262	0.8	2.0	63.5	6820	78
900	HXR 560LM8	668	746	96.5	96.3	0.77	0.72	70	5.5	33	11518	0.8	2.2	93.3	9510	80
1000	HXR 560LP8	734	747	96.7	96.5	0.78	0.72	77	5.6	37	12791	0.7	2.3	105.8	10120	80
1120	HXR 560LR8	735	747	96.9	96.7	0.77	0.72	86	5.5	41	14316	0.7	2.1	121.4	10860	80
600 r/min = 10 poles				10000 V 50 Hz												
560	HXR 560LL10	671	597	95.8	95.6	0.71	0.64	48	5.1	27	8959	0.8	2.1	91.4	9360	78
630	HXR 560LN10	672	596	95.9	95.7	0.72	0.65	53	5.3	29	10086	1.0	2.1	101.0	9840	78
710	HXR 560LR10	673	597	96.1	95.9	0.71	0.65	60	5.0	33	11359	0.8	2.1	113.1	10440	78

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 611 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque			Rotor inertia kgm ²	Motor weight kg	Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
3000 r/min = 2 poles				3000 V 50 Hz												
630	AMI 400L2A	10000	2976	95.1	95.0	0.86	0.83	149	5.6	44	2022	0.6	2.4	7.2	3030	85
710	AMI 400L2A	10001	2974	95.2	95.2	0.86	0.84	167	5.0	46	2280	0.5	2.2	7.1	3030	85
800	AMI 400L2A	10002	2974	95.4	95.5	0.88	0.86	184	5.0	45	2569	0.5	2.1	7.6	3140	85
900	AMI 400L2A	10003	2975	95.7	95.7	0.87	0.85	209	5.2	54	2889	0.6	2.2	7.8	3210	85
1000	AMI 400L2A	10004	2976	95.9	96.0	0.87	0.86	230	5.4	59	3209	0.6	2.3	8.3	3320	85
1170	AMI 400L2A	10005	2975	96.1	96.2	0.89	0.88	263	5.3	57	3756	0.6	2.2	9.1	3520	85
1200	AMI 400L2A	10006	2979	96.2	96.4	0.90	0.89	268	5.4	55	3846	0.6	2.1	11.9	3640	85
1250	AMI 450L2A	10007	2970	95.6	95.8	0.87	0.86	291	4.0	66	4019	0.4	1.8	10.3	4030	86
1400	AMI 450L2A	10008	2973	96.0	96.1	0.88	0.87	319	4.3	70	4496	0.4	1.9	11.2	4250	86
1600	AMI 450L2A	10009	2976	96.2	96.3	0.87	0.86	367	4.7	90	5134	0.4	2.0	11.9	4370	86
1800	AMI 450L2A	10010	2978	96.5	96.5	0.88	0.86	409	5.2	105	5771	0.5	2.2	13.3	4670	86
1900	AMI 450L2A	10011	2985	96.7	96.8	0.89	0.88	425	5.5	104	6077	0.4	2.3	18.0	4820	86
2000	AMI 500L2A	10012	2977	96.2	96.3	0.89	0.88	451	4.3	99	6416	0.4	1.9	19.8	5210	87
2240	AMI 500L2A	10013	2979	96.5	96.6	0.90	0.89	499	4.9	113	7180	0.4	2.1	22.4	5590	87
2650	AMI 500L2A	10014	2981	96.8	96.9	0.90	0.90	582	5.4	128	8489	0.5	2.3	26.3	6180	87
2800	AMI 500L2A	10015	2987	97.0	97.1	0.91	0.90	613	5.3	127	8953	0.4	2.2	35.3	6390	87
3150	AMI 560L2A B	10016	2979	96.7	96.8	0.92	0.91	683	5.4	125	10098	0.4	2.6	40.8	9150	80
3550	AMI 560L2A B	10017	2981	96.9	96.9	0.90	0.89	783	5.8	174	11372	0.5	2.8	44.0	9580	80
4000	AMI 560L2A B	10018	2982	97.0	97.1	0.91	0.91	869	5.8	169	12810	0.6	2.8	47.4	10000	80
4200	AMI 560L2A B	10019	2982	97.0	97.1	0.91	0.90	916	5.9	181	13451	0.5	2.8	52.8	10610	80
4500	AMI 560L2A B	10020	2988	97.3	97.4	0.92	0.92	962	5.8	152	14379	0.4	2.6	70.1	10950	80
5000	AMI 630L2A B	10021	2985	96.8	96.7	0.90	0.89	1108	5.7	215	15998	0.4	2.8	91.7	12630	81
5600	AMI 630L2A B	10022	2984	96.9	96.9	0.91	0.91	1223	5.9	188	17919	0.6	2.8	101.5	13570	81
6200	AMI 630L2A B	10023	2989	97.2	97.1	0.93	0.93	1326	5.9	189	19808	0.4	2.7	135.5	14200	81

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 611 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque			Rotor inertia kgm ²	Motor weight kg	Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
1500 r/min = 4 poles				3000 V 50 Hz												
630	AMI 400L4A	10024	1482	94.6	94.8	0.87	0.86	146	4.3	38	4058	0.5	1.8	14.6	2930	79
710	AMI 400L4A	10025	1484	95.0	95.2	0.87	0.86	165	4.8	46	4569	0.6	2.0	15.6	3030	79
800	AMI 400L4A	10026	1486	95.2	95.3	0.86	0.83	188	5.4	62	5142	0.7	2.2	16.6	3110	79
900	AMI 400L4A	10027	1486	95.4	95.5	0.86	0.84	210	5.4	66	5785	0.7	2.2	17.6	3210	79
1000	AMI 400L4A	10028	1486	95.6	95.7	0.86	0.83	234	5.5	76	6426	0.7	2.2	18.6	3320	79
1120	AMI 400L4A	10029	1486	95.8	96.0	0.88	0.86	256	5.5	73	7198	0.8	2.2	20.6	3520	79
1250	AMI 450L4A	10030	1486	95.6	95.7	0.88	0.87	286	5.3	77	8033	0.7	2.1	30.9	4190	81
1400	AMI 450L4A	10031	1487	95.8	95.9	0.87	0.85	323	5.7	97	8992	0.7	2.3	32.6	4310	81
1600	AMI 450L4A	10032	1487	96.0	96.1	0.87	0.85	367	5.9	108	10274	0.8	2.4	36.1	4540	81
1750	AMI 450L4A	10033	1489	96.2	96.2	0.87	0.85	403	5.8	124	11224	0.7	2.4	38.3	4680	81
1800	AMI 500L4A	10034	1489	95.8	95.9	0.88	0.87	411	4.8	102	11545	0.5	1.9	50.0	5220	82
2000	AMI 500L4A	10035	1490	96.1	96.2	0.89	0.87	452	5.4	116	12817	0.6	2.1	56.1	5540	82
2240	AMI 500L4A	10036	1490	96.3	96.4	0.88	0.87	507	5.5	131	14354	0.7	2.1	59.1	5710	82
2500	AMI 500L4A	10037	1490	96.4	96.5	0.90	0.89	558	5.5	131	16020	0.7	2.1	65.1	6020	82
2750	AMI 500L4A	10038	1491	96.6	96.7	0.90	0.89	609	5.8	141	17618	0.7	2.2	71.1	6360	82
3250	AMI 560L4A B	10039	1490	96.3	96.4	0.87	0.87	742	4.8	163	20833	0.5	2.1	104.3	8090	86
3750	AMI 560L4A B	10040	1490	96.5	96.7	0.89	0.90	836	4.9	154	24037	0.5	2.1	118.4	8660	86
4250	AMI 560L4A B	10041	1491	96.7	96.9	0.89	0.88	954	5.5	207	27222	0.6	2.4	127.8	9070	86
4750	AMI 560L4A B	10042	1491	96.9	97.0	0.88	0.86	1077	5.8	263	30422	0.7	2.6	140.2	9670	86
5000	AMI 630L4A B	10043	1489	96.7	96.8	0.89	0.89	1121	4.8	216	32055	0.5	2.1	183.2	11360	87
5600	AMI 630L4A B	10044	1491	97.0	97.1	0.89	0.89	1244	5.4	259	35855	0.6	2.4	206.7	12180	87
6100	AMI 630L4A B	10045	1491	97.0	97.2	0.90	0.90	1348	4.9	222	39067	0.5	2.1	222.6	12660	87
7100	AMI 630L4A B	10046	1492	97.2	97.3	0.88	0.87	1591	5.6	363	45428	0.6	2.5	243.8	13390	87

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 611 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 611 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 611 - Insulation class F, temperature rise class B

Output kW	Motor type	Product ID	Speed r/min	Efficiency		Power factor		Current			Torque			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 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
600 r/min = 10 poles				3000 V 50 Hz												
250	AMI 400L10A	10097	590	93,4	93,7	0,76	0,72	67	4,0	31	4043	0,7	1,7	19,0	2920	76
280	AMI 400L10A	10098	590	93,6	93,9	0,77	0,72	75	3,9	33	4529	0,7	1,7	20,4	3010	76
315	AMI 400L10A	10099	591	93,7	94,0	0,77	0,72	84	4,0	38	5094	0,7	1,7	21,9	3110	76
355	AMI 400L10A	10100	592	94,0	94,1	0,76	0,70	96	4,4	47	5730	0,8	1,9	24,7	3280	76
400	AMI 400L10A	10101	592	94,2	94,2	0,75	0,70	109	4,6	54	6451	0,8	1,9	27,6	3470	76
450	AMI 450L10A	10102	591	94,4	94,9	0,82	0,80	111	4,2	40	7268	0,7	1,7	40,0	3920	76
500	AMI 450L10A	10103	591	94,6	95,1	0,82	0,79	123	4,3	45	8074	0,7	1,7	42,7	4040	76
560	AMI 450L10A	10104	592	94,7	95,2	0,82	0,79	139	4,4	52	9038	0,8	1,8	45,4	4160	76
630	AMI 450L10A	10105	592	94,9	95,3	0,83	0,80	155	4,4	56	10167	0,8	1,8	50,8	4400	76
710	AMI 450L10A	10106	592	95,1	95,4	0,82	0,79	174	4,6	66	11451	0,8	1,8	56,2	4640	76
800	AMI 500L10A	10107	593	95,5	95,8	0,84	0,81	193	4,6	67	12882	0,7	1,8	75,7	5340	76
900	AMI 500L10A	10108	593	95,6	96,0	0,84	0,81	216	4,7	75	14485	0,7	1,9	84,7	5640	76
1000	AMI 500L10A	10109	594	95,8	96,0	0,83	0,79	243	5,1	93	16076	0,8	2,0	93,5	5920	76
1150	AMI 500L10A	10110	595	96,0	96,1	0,82	0,78	281	5,5	116	18470	0,8	2,2	107,0	6370	76
1250	AMI 560L10A B	10112	593	95,8	96,1	0,84	0,82	299	4,9	98	20133	0,8	2,1	159,8	7710	75
1400	AMI 560L10A B	10113	593	95,8	96,1	0,84	0,82	334	4,8	105	22559	0,8	2,0	167,8	7890	75
1600	AMI 560L10A B	10114	593	96,0	96,3	0,85	0,83	378	4,8	119	25762	0,7	2,0	184,2	8290	75
1800	AMI 560L10A B	10115	594	96,2	96,5	0,84	0,82	427	5,1	145	28945	0,8	2,2	200,6	8660	75
2000	AMI 560L10A B	10116	595	96,4	96,7	0,85	0,83	472	4,8	148	32111	0,7	1,9	226,6	9270	75
2300	AMI 560L10A B	10117	596	96,6	96,8	0,83	0,80	552	5,7	208	36874	0,9	2,3	259,1	10030	75
2500	AMI 630L10A B	10118	595	96,6	96,8	0,85	0,83	586	5,4	187	40123	0,8	2,1	376,9	11910	76
2800	AMI 630L10A B	10119	595	96,7	96,9	0,85	0,83	653	5,4	203	44933	0,8	2,1	419,7	12640	76
3000	AMI 630L10A B	10120	596	96,8	97,0	0,85	0,84	698	5,5	211	48105	0,9	2,0	450,5	13130	76
3300	AMI 630L10A B	10121	597	96,9	97,1	0,85	0,82	774	5,7	253	52819	0,8	2,0	512,8	14050	76

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 611 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque			Rotor inertia kgm ²	Motor weight kg	Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
500 r/min = 12 poles				3000 V 50 Hz												
160	AMI 400L12A	10122	493	92.4	92.3	0.72	0.66	47	3.8	25	3099	0.7	1.7	19.3	2920	76
180	AMI 400L12A	10123	492	92.3	92.2	0.70	0.64	53	3.8	29	3492	0.8	1.8	19.1	2920	76
200	AMI 400L12A	10124	492	92.5	92.4	0.71	0.65	59	3.8	32	3879	0.8	1.8	20.5	3010	76
224	AMI 400L12A	10125	492	92.7	92.6	0.71	0.65	66	3.9	36	4343	0.8	1.8	21.9	3110	76
250	AMI 400L12A	10126	492	92.9	92.8	0.72	0.66	72	3.8	37	4848	0.8	1.7	24.8	3300	76
290	AMI 400L12A	10127	492	93.1	93.0	0.73	0.67	83	3.8	42	5624	0.8	1.7	27.7	3490	76
315	AMI 450L12A	10128	493	94.1	94.1	0.74	0.68	87	4.4	45	6099	0.9	1.9	39.7	3900	76
355	AMI 450L12A	10129	493	94.0	94.2	0.76	0.71	96	4.1	45	6882	0.8	1.8	42.3	4000	76
400	AMI 450L12A	10130	493	94.1	94.4	0.77	0.72	106	4.0	48	7752	0.7	1.7	45.2	4130	76
450	AMI 450L12A	10131	493	94.2	94.5	0.75	0.70	122	4.2	59	8721	0.8	1.8	47.7	4250	76
500	AMI 450L12A	10132	493	94.4	94.7	0.77	0.73	132	4.0	59	9687	0.7	1.7	53.3	4490	76
530	AMI 450L12A	10133	493	94.6	94.8	0.76	0.71	141	4.2	66	10260	0.8	1.8	56.0	4630	76
560	AMI 500L12A	10134	493	94.8	95.1	0.78	0.74	146	4.0	64	10839	0.6	1.8	70.7	5170	76
630	AMI 500L12A	10135	494	95.0	95.2	0.78	0.74	163	4.2	72	12186	0.6	1.9	79.6	5460	76
710	AMI 500L12A	10136	494	95.1	95.3	0.78	0.73	184	4.5	84	13734	0.7	1.9	88.0	5760	76
800	AMI 500L12A	10137	494	95.3	95.5	0.79	0.75	206	4.3	87	15458	0.7	1.8	97.8	6070	76
850	AMI 500L12A	10138	494	95.3	95.4	0.78	0.74	219	4.6	98	16435	0.7	1.9	105.9	6370	76
1000	AMI 560L12A B	10139	493	95.4	96.0	0.83	0.80	244	4.1	87	19371	0.6	1.9	160.8	7680	74
1120	AMI 560L12A B	10140	493	95.6	96.0	0.81	0.77	278	4.3	111	21682	0.6	2.0	160.8	7700	74
1250	AMI 560L12A B	10141	493	95.7	96.2	0.81	0.78	309	4.4	121	24191	0.6	2.0	176.9	8080	74
1400	AMI 560L12A B	10142	495	96.0	96.4	0.80	0.76	350	4.6	146	27033	0.7	2.1	194.1	8470	74
1600	AMI 560L12A B	10143	495	96.2	96.6	0.81	0.78	394	4.4	146	30865	0.7	1.9	227.1	9240	74
1800	AMI 560L12A B	10144	496	96.5	96.7	0.79	0.74	454	4.9	202	34649	0.7	2.1	262.1	10000	74
2000	AMI 630L12A B	10145	495	96.3	96.8	0.84	0.82	477	4.6	153	38566	0.7	1.9	351.9	11390	75
2240	AMI 630L12A B	10146	496	96.5	96.9	0.84	0.82	529	4.8	168	43165	0.7	1.9	424.3	12570	75
2500	AMI 630L12A B	10147	496	96.7	96.9	0.83	0.80	600	5.5	224	48135	0.9	2.2	478.5	13520	75
2650	AMI 630L12A B	10148	496	96.8	97.0	0.82	0.79	639	5.7	251	50969	0.9	2.3	510.5	14000	75

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 611 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 611 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque			Rotor inertia kgm ²	Motor weight kg	Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
1500 r/min = 4 poles				6000 V 50 Hz												
630	AMI 400L4A	10176	1486	94.4	94.6	0.87	0.85	73	5.1	22	4049	0.6	2.1	15.6	2960	79
710	AMI 400L4A	10177	1485	94.6	94.9	0.89	0.87	82	5.0	22	4565	0.6	2.0	16.6	3060	79
800	AMI 400L4A	10178	1486	95.2	95.2	0.86	0.83	94	5.9	32	5140	0.8	2.4	17.5	3170	79
900	AMI 400L4A	10179	1487	95.4	95.4	0.86	0.83	106	6.0	37	5781	0.9	2.4	18.5	3270	79
1000	AMI 400L4A	10180	1486	95.5	95.7	0.87	0.85	116	5.5	36	6427	0.7	2.2	20.3	3460	79
1100	AMI 400L4A	10181	1487	95.7	95.8	0.85	0.81	130	5.9	47	7064	0.8	2.4	21.3	3560	79
1120	AMI 450L4A	10182	1488	95.3	95.4	0.88	0.87	128	5.3	35	7190	0.7	2.0	29.8	4020	81
1250	AMI 450L4A	10183	1488	95.5	95.6	0.88	0.86	144	5.5	42	8021	0.7	2.1	31.5	4140	81
1400	AMI 450L4A	10184	1489	95.8	95.9	0.86	0.84	163	5.9	52	8979	0.8	2.3	33.3	4290	81
1600	AMI 450L4A	10185	1488	96.0	96.1	0.89	0.87	180	5.7	49	10266	0.7	2.3	36.8	4550	81
1720	AMI 450L4A	10186	1490	96.2	96.2	0.84	0.81	204	6.0	75	11021	0.7	2.5	39.7	4780	81
1800	AMI 500L4A	10187	1491	95.9	96.0	0.90	0.88	201	5.7	51	11531	0.6	2.2	56.2	5480	82
2000	AMI 500L4A	10188	1491	96.1	96.2	0.89	0.88	224	5.9	58	12811	0.6	2.3	59.2	5640	82
2240	AMI 500L4A	10189	1490	96.2	96.3	0.89	0.87	252	5.9	68	14353	0.7	2.3	61.5	5810	82
2500	AMI 500L4A	10190	1492	96.5	96.6	0.88	0.87	282	5.9	79	15997	0.7	2.2	69.3	6160	82
2700	AMI 500L4A	10191	1493	96.6	96.7	0.87	0.85	310	5.9	95	17271	0.7	2.2	74.9	6480	82
3150	AMI 560L4A B	10192	1490	96.2	96.3	0.89	0.88	354	5.5	80	20186	0.6	2.4	108.5	8140	86
3550	AMI 560L4A B	10193	1491	96.4	96.6	0.89	0.88	398	5.6	92	22742	0.6	2.5	117.5	8560	86
4000	AMI 560L4A B	10194	1491	96.7	96.8	0.88	0.87	451	5.8	109	25615	0.7	2.6	131.1	9160	86
4500	AMI 560L4A B	10195	1491	96.8	96.9	0.90	0.90	496	5.8	100	28821	0.6	2.5	149.5	9940	86
5000	AMI 630L4A B	10196	1490	96.7	96.8	0.89	0.89	556	5.2	110	32051	0.6	2.3	197.2	11770	87
5600	AMI 630L4A B	10197	1491	96.9	97.0	0.90	0.90	620	5.4	121	35874	0.5	2.4	213.3	12290	87
6300	AMI 630L4A B	10198	1492	97.1	97.2	0.89	0.88	701	5.5	148	40330	0.6	2.4	228.9	12800	87
6900	AMI 630L4A B	10199	1492	97.2	97.3	0.90	0.89	762	5.5	151	44151	0.6	2.3	260.1	13780	87

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 611 - Insulation class F, temperature rise class B

Output kW	Motor type	Product ID	Speed r/min	Efficiency		Power factor		Current			Torque			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 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
1000 r/min = 6 poles				6000 V 50 Hz												
450	AMI 400L6A	10200	988	94,5	94,7	0,84	0,81	55	4,7	19	4350	0,7	1,9	16,2	3040	78
500	AMI 400L6A	10201	989	94,5	94,6	0,83	0,79	61	5,4	24	4827	0,9	2,2	18,2	2990	78
560	AMI 400L6A	10202	989	94,7	94,8	0,84	0,81	68	5,3	25	5408	0,8	2,1	19,5	3080	78
630	AMI 400L6A	10203	989	94,8	95,0	0,85	0,82	76	5,2	27	6086	0,8	2,0	20,7	3170	78
750	AMI 400L6A	10204	991	95,2	95,2	0,79	0,74	95	5,8	44	7227	1,0	2,3	24,2	3460	78
800	AMI 450L6A	10205	991	95,3	95,4	0,84	0,81	96	5,6	35	7712	0,8	2,2	35,2	3920	79
900	AMI 450L6A	10206	991	95,5	95,6	0,84	0,81	108	5,7	39	8676	0,8	2,3	37,4	4040	79
1000	AMI 450L6A	10207	991	95,6	95,7	0,83	0,79	121	5,8	47	9635	0,9	2,3	39,6	4170	79
1120	AMI 450L6A	10208	991	95,8	95,9	0,84	0,80	134	5,8	50	10790	0,8	2,2	43,9	4410	79
1280	AMI 450L6A	10209	993	96,1	96,1	0,83	0,79	155	6,0	62	12314	0,8	2,5	49,3	4670	79
1400	AMI 500L6A	10210	992	95,9	96,1	0,87	0,84	162	5,7	52	13475	0,7	2,3	68,1	5450	79
1600	AMI 500L6A	10211	992	96,0	96,1	0,84	0,81	190	5,9	71	15397	0,8	2,3	73,9	5710	79
1800	AMI 500L6A	10212	993	96,2	96,3	0,86	0,84	208	5,9	67	17317	0,7	2,3	82,4	6020	79
2050	AMI 500L6A	10213	994	96,5	96,5	0,83	0,79	246	6,0	95	19691	0,8	2,4	90,8	6370	79
2240	AMI 560L6A B	10214	992	96,2	96,4	0,86	0,84	261	5,5	77	21553	0,7	2,3	131,6	7720	83
2550	AMI 560L6A B	10215	992	96,3	96,5	0,87	0,86	293	5,4	79	24538	0,7	2,3	143,7	8100	83
2800	AMI 560L6A B	10216	993	96,5	96,7	0,86	0,85	323	5,5	91	26933	0,7	2,2	155,2	8480	83
3150	AMI 560L6A B	10217	993	96,6	96,8	0,84	0,82	373	5,4	118	30283	0,7	2,2	172,9	9020	83
3350	AMI 560L6A B	10218	994	96,7	96,8	0,83	0,80	401	5,7	138	32189	0,7	2,3	184,8	9400	83
3700	AMI 560L6A B	10219	994	96,8	96,9	0,83	0,80	442	5,9	154	35543	0,7	2,4	202,8	9970	83
4150	AMI 630L6A B	10220	993	96,8	97,0	0,86	0,85	479	5,2	128	39890	0,6	2,2	250,2	11470	84
4500	AMI 630L6A B	10221	994	96,9	97,1	0,86	0,84	520	5,5	145	43237	0,7	2,4	269,0	11950	84
4750	AMI 630L6A B	10222	994	97,0	97,1	0,86	0,84	551	5,6	158	45617	0,7	2,3	295,9	12550	84
5150	AMI 630L6A B	10223	995	97,1	97,2	0,83	0,81	613	5,5	200	49436	0,6	2,2	321,4	13270	84
5600	AMI 630L6A B	10224	995	97,2	97,3	0,85	0,82	655	5,7	211	53740	0,6	2,5	344,1	13810	84

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 611 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque			Rotor inertia kgm ²	Motor weight kg	Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
750 r/min = 8 poles				6000 V 50 Hz												
280	AMI 400L8A	10225	742	94.0	94.3	0.82	0.78	35	5.1	14	3604	0.8	2.1	19.3	2870	77
315	AMI 400L8A	10226	742	94.1	94.3	0.81	0.76	40	5.2	17	4054	0.8	2.1	19.3	2880	77
355	AMI 400L8A	10227	741	94.2	94.6	0.83	0.79	44	4.9	17	4572	0.8	1.9	20.8	2970	77
400	AMI 400L8A	10228	742	94.3	94.6	0.81	0.76	50	5.1	22	5150	0.8	2.0	20.8	2970	77
450	AMI 400L8A	10229	741	94.4	94.8	0.82	0.78	56	5.0	23	5796	0.8	2.0	22.2	3070	77
530	AMI 400L8A	10230	742	94.8	95.1	0.83	0.80	65	5.0	25	6825	0.8	1.9	26.6	3340	77
560	AMI 450L8A	10231	741	94.8	95.1	0.84	0.81	67	5.2	25	7220	0.8	2.1	39.7	3880	77
630	AMI 450L8A	10232	743	95.2	95.3	0.80	0.75	80	5.5	37	8096	0.8	2.3	40.2	3890	77
710	AMI 450L8A	10233	743	95.3	95.4	0.79	0.74	90	5.7	43	9122	0.9	2.4	43.0	4010	77
800	AMI 450L8A	10234	743	95.5	95.6	0.81	0.76	100	5.4	45	10278	0.8	2.1	48.1	4250	77
900	AMI 450L8A	10235	742	95.6	95.8	0.84	0.81	108	5.6	40	11576	0.9	2.2	56.1	4600	77
1000	AMI 500L8A	10236	744	95.5	95.7	0.84	0.81	120	5.0	41	12835	0.7	1.9	76.2	5270	77
1120	AMI 500L8A	10237	744	95.7	95.8	0.84	0.82	134	5.2	46	14369	0.7	1.9	85.3	5580	77
1250	AMI 500L8A	10238	745	95.8	95.9	0.83	0.80	150	5.5	57	16028	0.8	2.1	94.3	5880	77
1400	AMI 500L8A	10239	745	96.0	96.0	0.82	0.77	172	5.9	72	17936	0.8	2.3	107.6	6330	77
1600	AMI 560L8A B	10240	744	96.2	96.4	0.85	0.82	189	5.0	60	20523	0.6	2.1	153.8	7900	78
1800	AMI 560L8A B	10241	745	96.3	96.5	0.84	0.82	214	5.1	70	23087	0.6	2.1	161.0	8090	78
2000	AMI 560L8A B	10242	745	96.4	96.6	0.84	0.82	237	5.0	74	25635	0.6	2.0	176.2	8480	78
2240	AMI 560L8A B	10243	745	96.5	96.7	0.84	0.82	265	5.0	83	28708	0.6	2.0	190.6	8870	78
2500	AMI 560L8A B	10244	745	96.6	96.8	0.84	0.81	297	5.3	99	32029	0.7	2.1	204.9	9260	78
2750	AMI 560L8A B	10245	746	96.7	96.9	0.85	0.82	323	5.4	104	35223	0.7	2.1	233.7	10020	78
3150	AMI 630L8A B	10246	745	96.7	96.8	0.85	0.83	370	5.3	109	40351	0.7	2.0	330.6	11840	79
3500	AMI 630L8A B	10247	746	96.8	97.0	0.86	0.84	407	5.4	116	44820	0.7	2.0	379.4	12810	79
3900	AMI 630L8A B	10248	746	96.9	97.0	0.86	0.84	451	5.8	132	49918	0.8	2.1	440.4	14010	79

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 611 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 611 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

10000 V - 50 Hz

Technical data for totally enclosed squirrel cage three phase motors

IP 55 - IC 611 - Insulation class F, temperature rise class B

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

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Legally binding performance and specification data is given to the end user once each order is confirmed.

HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

10000 V - 50 Hz

IP 55 - IC 611 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

10000 V - 50 Hz

Technical data for totally enclosed squirrel cage three phase motors

IP 55 - IC 611 - Insulation class F, temperature rise class B

Output kW	Motor type	Product ID	Speed r/min	Efficiency		Power factor		Current			Torque			Rotor inertia kgm²	Motor weight kg	Sound pressure level L _p dB(A)
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
600 r/min = 10 poles				10000 V 50 Hz												
530	AMI 500L10A	10376	593	93.9	94.2	0.83	0.79	39	5.2	16	8529	0.7	2.1	70.1	5000	76
600	AMI 500L10A	10377	595	94.1	94.4	0.81	0.76	45	5.3	20	9637	0.7	2.1	70.9	5020	76
650	AMI 500L10A	10378	595	94.4	94.6	0.82	0.77	49	5.3	21	10439	0.8	2.1	75.4	5170	76
710	AMI 500L10A	10379	595	94.6	94.8	0.81	0.76	54	5.3	24	11388	0.8	2.0	80.6	5330	76
770	AMI 500L10A	10380	595	94.7	95.0	0.83	0.78	57	5.4	23	12365	0.8	2.1	88.9	5600	76
900	AMI 560L10A B	10381	593	94.7	95.2	0.87	0.85	63	4.7	19	14502	0.6	2.1	160.4	7520	75
1000	AMI 560L10A B	10382	593	95.0	95.4	0.86	0.83	71	5.2	24	16098	0.7	2.2	160.4	7530	75
1120	AMI 560L10A B	10383	594	95.3	95.5	0.84	0.80	81	5.5	31	17993	0.8	2.3	160.7	7550	75
1250	AMI 560L10A B	10384	594	95.4	95.7	0.84	0.81	90	5.5	33	20081	0.8	2.3	176.8	7910	75
1400	AMI 560L10A B	10385	596	95.7	96.0	0.83	0.80	101	5.5	38	22448	0.8	2.2	194.1	8300	75
1600	AMI 560L10A B	10386	596	96.0	96.2	0.84	0.80	115	5.5	42	25633	0.8	2.2	219.9	8870	75
1700	AMI 560L10A B	10387	597	96.1	96.1	0.80	0.75	128	5.7	57	27213	0.7	2.4	236.0	9240	75
1800	AMI 630L10A B	10388	594	96.0	96.2	0.85	0.83	127	5.4	43	28915	0.8	2.2	344.1	11180	76
2000	AMI 630L10A B	10389	595	96.0	96.3	0.87	0.85	139	5.5	41	32093	0.8	2.1	391.5	11820	76
2240	AMI 630L10A B	10390	596	96.2	96.4	0.84	0.82	159	5.6	56	35902	0.8	2.2	416.2	12280	76
2600	AMI 630L10A B	10391	597	96.5	96.5	0.82	0.79	189	5.8	75	41621	0.7	2.3	476.4	13250	76
500 r/min = 12 poles				10000 V 50 Hz												
355	AMI 500L12A	10392	494	93.3	93.4	0.76	0.70	29	4.2	15	6857	0.6	2.0	60.8	5010	76
400	AMI 500L12A	10393	494	93.3	93.5	0.75	0.69	33	4.2	17	7727	0.6	2.0	60.8	5010	76
450	AMI 500L12A	10394	495	93.4	93.4	0.75	0.68	37	5.0	20	8683	0.8	2.2	74.7	5150	76
500	AMI 500L12A	10395	495	93.6	93.6	0.76	0.69	41	4.9	22	9650	0.8	2.2	79.2	5290	76
560	AMI 500L12A	10396	494	93.8	94.0	0.78	0.73	44	4.7	21	10818	0.7	2.0	88.1	5580	76
630	AMI 560L12A B	10397	493	93.9	94.7	0.84	0.82	46	4.1	15	12210	0.6	2.0	159.5	7490	74
710	AMI 560L12A B	10398	493	94.1	94.8	0.83	0.81	52	4.2	19	13752	0.6	2.0	159.5	7490	74
800	AMI 560L12A B	10399	493	94.3	94.9	0.82	0.79	59	4.5	23	15482	0.7	2.1	159.5	7500	74
900	AMI 560L12A B	10400	495	94.7	95.2	0.81	0.77	67	4.6	28	17374	0.7	2.1	169.0	7700	74
1000	AMI 560L12A B	10401	495	94.9	95.4	0.82	0.78	74	4.6	30	19303	0.6	2.1	185.2	8060	74
1120	AMI 560L12A B	10402	495	95.1	95.6	0.82	0.78	83	4.7	34	21611	0.7	2.1	201.5	8430	74
1250	AMI 560L12A B	10403	495	95.4	95.7	0.81	0.76	93	4.9	40	24095	0.7	2.3	226.5	8990	74
1400	AMI 630L12A B	10404	495	95.6	95.9	0.83	0.79	102	5.3	41	27018	0.8	2.3	329.8	10870	75
1600	AMI 630L12A B	10405	495	95.8	96.0	0.82	0.78	117	5.5	48	30864	0.8	2.4	372.3	11560	75
1800	AMI 630L12A B	10406	496	96.0	96.1	0.81	0.76	134	5.7	58	34653	0.8	2.3	430.2	12440	75
2000	AMI 630L12A B	10407	497	96.1	96.3	0.80	0.75	149	5.7	68	38464	0.7	2.6	472.1	13120	75

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HV Modular induction motors

Technical data for weather protected three phase motors

3000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for weather protected three phase motors

3000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for weather protected three phase motors

3000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque			Rotor inertia kgm ²	Motor weight kg	Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
1000 r/min = 6 poles				3000 V 50 Hz												
500	AMI 400L6W	10550	987	94.9	95.3	0.85	0.82	120	4.6	40	4839	0.7	1.8	15.5	2780	77
560	AMI 400L6W	10551	988	95.2	95.4	0.84	0.81	135	4.9	49	5414	0.8	2.0	16.7	2880	77
630	AMI 400L6W	10552	988	95.1	95.3	0.81	0.77	158	5.0	65	6089	0.8	2.0	16.7	2860	77
710	AMI 400L6W	10553	988	95.1	95.5	0.82	0.78	175	4.9	68	6865	0.8	2.0	18.0	2960	77
800	AMI 400L6W	10554	988	95.2	95.6	0.82	0.79	197	4.9	74	7736	0.8	2.0	19.2	3060	77
900	AMI 400L6W	10555	988	95.3	95.7	0.82	0.78	222	4.9	86	8702	0.9	2.0	20.4	3150	77
980	AMI 400L6W	10556	988	95.5	95.8	0.83	0.80	237	5.0	85	9472	0.9	2.0	22.8	3340	77
1000	AMI 450L6W	10557	989	95.6	96.1	0.85	0.83	237	4.7	72	9656	0.6	1.9	33.2	3760	78
1120	AMI 450L6W	10558	989	95.7	96.2	0.85	0.83	265	4.7	81	10813	0.6	1.9	35.5	3890	78
1250	AMI 450L6W	10559	990	95.9	96.3	0.85	0.83	294	5.1	92	12059	0.7	2.0	40.0	4120	78
1400	AMI 450L6W	10560	990	96.0	96.4	0.85	0.83	330	5.1	102	13507	0.7	2.0	42.2	4240	78
1600	AMI 450L6W	10561	990	96.2	96.5	0.85	0.83	377	5.3	121	15431	0.8	2.1	46.7	4500	78
1800	AMI 500L6W	10562	991	96.2	96.6	0.88	0.87	410	4.9	104	17353	0.7	1.9	65.5	5290	79
2000	AMI 500L6W	10563	991	96.3	96.7	0.87	0.85	462	5.3	135	19267	0.8	2.0	69.1	5450	79
2240	AMI 500L6W	10564	991	96.3	96.8	0.88	0.87	508	5.0	128	21576	0.7	1.9	77.2	5730	79
2500	AMI 500L6W	10565	992	96.5	96.9	0.87	0.86	570	5.5	162	24060	0.8	2.1	84.6	6030	79
2700	AMI 500L6W	10566	992	96.6	96.9	0.87	0.85	618	5.7	180	25997	0.9	2.2	87.6	6200	79
3150	AMI 560L6W B	10567	992	96.6	97.0	0.88	0.87	716	5.0	164	30314	0.6	2.0	141.2	7840	80
3550	AMI 560L6W B	10568	992	96.8	97.2	0.88	0.87	804	5.4	190	34159	0.8	2.2	158.4	8430	80
4000	AMI 560L6W B	10569	992	96.9	97.2	0.88	0.87	905	5.3	210	38491	0.8	2.2	170.7	8820	80
4400	AMI 560L6W B	10570	993	97.0	97.3	0.88	0.88	988	5.4	219	42333	0.8	2.2	189.2	9400	80
5000	AMI 630L6W B	10571	993	97.1	97.4	0.87	0.86	1144	5.2	287	48077	0.7	2.2	258.6	11480	81
5600	AMI 630L6W B	10572	993	97.1	97.4	0.88	0.88	1260	5.1	275	53849	0.7	2.1	296.4	12400	81
6500	AMI 630L6W B	10573	993	97.2	97.5	0.88	0.88	1456	5.1	303	62503	0.7	2.1	334.2	13360	81

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HV Modular induction motors

Technical data for weather protected three phase motors

3000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for weather protected three phase motors

3000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque			Rotor inertia kgm ²	Motor weight kg	Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_S}{I_N}$	I ₀ A	T _N Nm	$\frac{T_S}{T_N}$	$\frac{T_{max}}{T_N}$			
600 r/min = 10 poles				3000 V 50 Hz												
250	AMI 400L10W	10601	590	93.5	93.9	0.76	0.72	67	4.0	31	4043	0.7	1.7	17.5	2750	75
280	AMI 400L10W	10602	590	93.7	94.0	0.77	0.72	75	4.0	33	4529	0.7	1.7	18.9	2850	75
315	AMI 400L10W	10603	591	93.8	94.2	0.77	0.72	84	4.0	38	5093	0.7	1.7	20.4	2940	75
355	AMI 400L10W	10604	590	94.0	94.4	0.78	0.74	93	3.9	39	5742	0.6	1.7	23.2	3130	75
400	AMI 400L10W	10605	591	94.2	94.4	0.76	0.71	107	4.3	50	6460	0.7	1.8	24.6	3230	75
450	AMI 400L10W	10606	591	94.1	94.4	0.77	0.72	120	4.2	54	7272	0.7	1.7	26.1	3310	75
500	AMI 450L10W	10607	591	94.7	95.2	0.82	0.79	123	4.3	45	8073	0.7	1.7	40.5	3830	76
560	AMI 450L10W	10608	592	94.8	95.3	0.82	0.79	138	4.4	52	9038	0.8	1.8	43.2	3950	76
630	AMI 450L10W	10609	592	95.0	95.4	0.81	0.77	157	4.7	64	10159	0.8	1.9	45.9	4080	76
710	AMI 450L10W	10610	591	94.7	95.2	0.82	0.79	176	4.3	65	11463	0.8	1.7	48.6	4160	76
780	AMI 450L10W	10611	591	95.0	95.5	0.83	0.80	191	4.2	65	12599	0.7	1.7	54.0	4440	76
900	AMI 500L10W	10612	593	95.3	95.8	0.83	0.80	219	4.5	78	14496	0.7	1.8	72.3	5050	77
1000	AMI 500L10W	10613	593	95.5	95.9	0.84	0.81	241	4.5	82	16106	0.7	1.8	81.3	5350	77
1120	AMI 500L10W	10614	593	95.7	96.1	0.84	0.81	269	4.7	93	18030	0.7	1.8	90.3	5670	77
1200	AMI 500L10W	10615	593	95.7	96.1	0.84	0.81	289	4.8	102	19313	0.7	1.9	94.8	5810	77
1350	AMI 500L10W	10616	593	95.8	96.2	0.83	0.80	325	4.9	116	21722	0.8	1.9	103.8	6130	77
1600	AMI 560L10W B	10617	592	95.8	96.3	0.85	0.84	377	4.5	113	25787	0.7	2.0	157.4	7370	75
1800	AMI 560L10W B	10618	593	96.0	96.5	0.86	0.84	422	4.7	124	28991	0.7	2.0	181.6	7950	75
2000	AMI 560L10W B	10619	593	96.0	96.5	0.86	0.85	467	4.6	131	32221	0.7	1.9	197.7	8330	75
2240	AMI 560L10W B	10620	593	96.2	96.7	0.85	0.84	524	4.6	147	36044	0.6	1.9	215.7	8740	75
2600	AMI 560L10W B	10621	595	96.6	96.9	0.84	0.82	616	5.3	207	41728	0.8	2.1	248.3	9510	75
2800	AMI 630L10W B	10622	594	96.5	96.9	0.86	0.84	651	5.1	187	44989	0.8	2.0	366.9	11350	75
3150	AMI 630L10W B	10623	594	96.6	97.0	0.86	0.85	729	5.1	203	50609	0.8	2.0	409.9	12080	75
3400	AMI 630L10W B	10624	595	96.8	97.1	0.86	0.85	787	5.1	216	54532	0.8	1.9	443.6	12580	75
3700	AMI 630L10W B	10625	596	96.9	97.1	0.86	0.84	855	5.5	249	59303	0.8	2.1	501.6	13470	75

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HV Modular induction motors

Technical data for weather protected three phase motors

3000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for weather protected three phase motors

6000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for weather protected three phase motors

6000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

Output kW	Motor type	Product ID	Speed r/min	Efficiency		Power factor		Current			Torque			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 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
1500 r/min = 4 poles				6000 V 50 Hz												
710	AMI 400L4W	10680	1484	94.8	95.3	0.88	0.86	82	4.6	22	4570	0.6	1.8	14.1	2790	79
800	AMI 400L4W	10681	1486	95.2	95.5	0.86	0.84	94	5.2	30	5142	0.7	2.1	15.1	2890	79
900	AMI 400L4W	10682	1486	95.5	95.9	0.86	0.84	105	5.4	33	5785	0.7	2.2	16.1	3010	79
1000	AMI 400L4W	10683	1486	95.7	96.0	0.86	0.84	116	5.5	38	6426	0.8	2.2	17.1	3110	79
1120	AMI 400L4W	10684	1486	95.9	96.2	0.88	0.86	128	5.6	36	7198	0.8	2.2	19.2	3310	79
1300	AMI 400L4W	10685	1486	96.0	96.3	0.87	0.84	150	5.8	48	8352	0.8	2.3	20.2	3410	79
1400	AMI 450L4W	10686	1486	95.8	96.1	0.89	0.88	158	4.8	39	8997	0.5	2.0	29.4	3940	80
1600	AMI 450L4W	10687	1487	96.0	96.3	0.88	0.86	183	5.0	49	10278	0.6	2.0	31.1	4080	80
1800	AMI 450L4W	10688	1487	96.2	96.5	0.88	0.87	205	5.3	55	11557	0.6	2.2	34.6	4330	80
2100	AMI 450L4W	10689	1488	96.4	96.7	0.87	0.85	240	5.7	70	13476	0.7	2.3	38.1	4580	80
2150	AMI 500L4W	10690	1489	96.1	96.4	0.89	0.88	242	5.1	56	13787	0.5	2.0	53.8	5220	81
2360	AMI 500L4W	10691	1490	96.3	96.6	0.89	0.88	265	5.3	65	15130	0.6	2.1	56.8	5390	81
2650	AMI 500L4W	10692	1489	96.4	96.7	0.90	0.89	294	5.2	63	16990	0.6	2.0	62.9	5740	81
2950	AMI 500L4W	10693	1491	96.6	96.9	0.89	0.88	332	5.0	79	18897	0.6	1.9	66.9	5920	81
3250	AMI 500L4W	10694	1491	96.7	97.0	0.89	0.88	365	5.6	90	20816	0.7	2.1	72.3	6230	81
3550	AMI 560L4W B	10695	1490	96.6	96.9	0.89	0.88	397	5.4	87	22753	0.6	2.3	105.2	7830	83
4000	AMI 560L4W B	10696	1489	96.7	97.0	0.90	0.90	441	5.2	82	25646	0.6	2.3	114.5	8240	83
4500	AMI 560L4W B	10697	1490	96.9	97.2	0.88	0.87	506	5.6	117	28833	0.6	2.5	123.5	8640	83
5000	AMI 560L4W B	10698	1491	97.0	97.3	0.88	0.87	564	5.5	131	32034	0.6	2.5	132.4	9040	83
5500	AMI 560L4W B	10699	1491	97.1	97.3	0.87	0.86	627	5.7	157	35227	0.7	2.6	141.3	9440	83
6300	AMI 630L4W B	10700	1491	97.1	97.4	0.89	0.89	703	4.9	128	40350	0.5	2.1	207.7	11710	84
7100	AMI 630L4W B	10701	1490	97.2	97.5	0.89	0.89	792	4.7	136	45499	0.5	2.0	228.1	12490	84
7800	AMI 630L4W B	10702	1492	97.3	97.6	0.89	0.89	863	5.1	155	49937	0.6	2.2	252.4	13220	84

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HV Modular induction motors

Technical data for weather protected three phase motors

6000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for weather protected three phase motors

6000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

Output kW	Motor type	Product ID	Speed r/min	Efficiency		Power factor		Current			Torque			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 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
750 r/min = 8 poles				6000 V 50 Hz												
315	AMI 400L8W	10729	742	94.3	94.6	0.81	0.76	40	5.2	17	4054	0.8	2.1	17.8	2710	75
355	AMI 400L8W	10730	741	94.4	94.8	0.83	0.79	44	4.9	17	4572	0.8	1.9	19.3	2800	75
400	AMI 400L8W	10731	742	94.5	94.8	0.81	0.76	50	5.1	22	5150	0.8	2.0	19.3	2810	75
450	AMI 400L8W	10732	741	94.6	95.0	0.82	0.78	56	5.0	23	5796	0.8	2.0	20.7	2900	75
500	AMI 400L8W	10733	741	94.7	95.1	0.82	0.78	62	5.0	25	6440	0.8	2.0	22.2	2990	75
600	AMI 400L8W	10734	740	94.7	95.3	0.84	0.82	73	4.5	25	7740	0.7	1.7	25.1	3180	75
630	AMI 450L8W	10735	739	94.8	95.3	0.85	0.83	75	4.6	25	8137	0.7	1.8	37.5	3670	76
710	AMI 450L8W	10736	741	95.1	95.4	0.82	0.78	87	5.1	36	9148	0.8	2.1	37.7	3680	76
800	AMI 450L8W	10737	742	95.3	95.6	0.81	0.76	100	5.1	43	10292	0.8	2.1	40.7	3800	76
900	AMI 450L8W	10738	741	95.4	95.7	0.83	0.79	109	5.2	43	11592	0.8	2.1	45.8	4040	76
1050	AMI 450L8W	10739	741	95.4	95.9	0.85	0.83	125	4.8	40	13532	0.8	1.9	53.9	4400	76
1120	AMI 500L8W	10740	743	95.5	95.7	0.83	0.80	136	5.2	51	14397	0.7	2.1	71.7	5010	77
1250	AMI 500L8W	10741	742	95.5	95.9	0.86	0.84	147	4.8	45	16081	0.6	1.8	80.6	5310	77
1400	AMI 500L8W	10742	743	95.7	96.0	0.85	0.82	166	5.3	57	17992	0.7	2.1	89.5	5610	77
1650	AMI 500L8W	10743	745	96.1	96.2	0.83	0.80	199	5.5	74	21159	0.8	2.1	104.5	6090	77
1800	AMI 560L8W B	10744	744	96.2	96.5	0.83	0.81	218	4.6	70	23103	0.6	1.9	134.6	7180	76
2000	AMI 560L8W B	10745	744	96.3	96.6	0.83	0.80	242	4.9	81	25656	0.7	2.0	148.9	7540	76
2240	AMI 560L8W B	10746	744	96.4	96.7	0.83	0.82	268	4.8	84	28737	0.7	1.9	163.1	7930	76
2500	AMI 560L8W B	10747	744	96.5	96.8	0.83	0.82	298	4.9	93	32068	0.7	1.9	177.4	8310	76
2800	AMI 560L8W B	10748	745	96.6	96.8	0.84	0.82	333	5.1	106	35902	0.7	2.0	198.7	8850	76
3150	AMI 560L8W B	10749	745	96.7	96.9	0.83	0.80	377	5.4	129	40370	0.8	2.1	220.1	9430	76
3550	AMI 630L8W B	10750	745	96.8	97.1	0.85	0.85	414	5.0	110	45492	0.6	1.9	343.7	11750	77
3900	AMI 630L8W B	10751	745	96.8	97.0	0.85	0.84	459	5.0	125	50005	0.7	1.9	353.3	11980	77
4500	AMI 630L8W B	10752	745	97.0	97.2	0.86	0.85	521	5.0	132	57654	0.7	1.9	429.1	13440	77

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HV Modular induction motors

Technical data for weather protected three phase motors

6000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque			Rotor inertia kgm ²	Motor weight kg	Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
600 r/min = 10 poles				6000 V 50 Hz												
250	AMI 400L10W	10753	591	93.0	93.2	0.71	0.65	36	3.6	20	4041	0.6	1.7	14.6	2850	75
280	AMI 400L10W	10754	591	93.2	93.4	0.74	0.68	39	4.0	20	4521	0.7	1.8	18.0	2890	75
315	AMI 400L10W	10755	591	93.3	93.6	0.76	0.71	43	3.8	20	5092	0.6	1.7	19.2	2980	75
355	AMI 400L10W	10756	593	93.6	93.8	0.75	0.70	48	4.3	23	5721	0.7	1.8	23.5	3080	75
400	AMI 400L10W	10757	592	93.6	94.0	0.76	0.72	54	4.1	25	6451	0.7	1.7	24.9	3170	75
450	AMI 450L10W	10758	591	94.0	94.6	0.83	0.80	56	4.2	20	7269	0.7	1.7	37.8	3650	76
500	AMI 450L10W	10759	591	94.2	94.8	0.83	0.80	62	4.2	22	8075	0.7	1.7	40.5	3770	76
560	AMI 450L10W	10760	591	94.2	94.8	0.82	0.79	70	4.3	25	9051	0.8	1.7	43.0	3890	76
650	AMI 450L10W	10761	592	94.5	95.0	0.82	0.78	81	4.5	32	10487	0.8	1.8	45.9	4010	76
740	AMI 450L10W	10762	592	94.7	95.2	0.82	0.78	92	4.6	37	11935	0.8	1.8	51.3	4250	76
800	AMI 500L10W	10763	593	95.1	95.6	0.84	0.81	97	4.5	35	12892	0.6	1.8	71.9	5020	77
900	AMI 500L10W	10764	594	95.4	95.8	0.82	0.79	110	4.9	43	14477	0.7	2.0	76.8	5180	77
1000	AMI 500L10W	10765	593	95.2	95.7	0.84	0.81	120	4.6	43	16110	0.7	1.9	85.3	5430	77
1120	AMI 500L10W	10766	593	95.5	95.9	0.84	0.81	135	4.6	46	18031	0.7	1.8	90.3	5620	77
1250	AMI 500L10W	10767	594	95.7	96.0	0.83	0.79	151	5.2	58	20095	0.8	2.0	103.8	6040	77
1400	AMI 560L10W B	10768	592	95.5	96.0	0.85	0.83	165	4.7	52	22583	0.7	2.1	148.8	7100	75
1600	AMI 560L10W B	10769	593	95.8	96.2	0.85	0.83	188	5.1	61	25780	0.8	2.3	172.8	7660	75
1800	AMI 560L10W B	10770	593	95.8	96.3	0.86	0.83	211	5.1	67	29001	0.8	2.2	188.8	8040	75
2000	AMI 560L10W B	10771	593	96.0	96.4	0.86	0.84	233	5.0	69	32197	0.8	2.1	213.3	8610	75
2240	AMI 560L10W B	10772	594	96.2	96.5	0.85	0.83	263	5.4	87	36026	0.9	2.3	229.4	8990	75
2400	AMI 560L10W B	10773	595	96.4	96.6	0.84	0.81	286	5.6	104	38491	0.9	2.3	248.3	9320	75
2500	AMI 630L10W B	10774	594	96.3	96.7	0.86	0.84	291	5.0	83	40177	0.8	2.0	338.3	10770	75
2800	AMI 630L10W B	10775	594	96.4	96.8	0.86	0.85	325	5.2	92	44981	0.8	2.0	381.2	11490	75
3150	AMI 630L10W B	10776	596	96.7	97.0	0.85	0.83	369	5.5	118	50479	0.8	2.1	428.1	12170	75
3350	AMI 630L10W B	10777	597	96.8	97.0	0.85	0.83	393	5.5	127	53628	0.8	2.2	464.5	12670	75
3700	AMI 630L10W B	10778	597	96.9	97.1	0.85	0.82	435	5.7	145	59216	0.8	2.2	508.6	13420	75

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HV Modular induction motors

Technical data for weather protected three phase motors

6000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for weather protected three phase motors

10000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for weather protected three phase motors

10000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for weather protected three phase motors

10000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for weather protected three phase motors

10000 V - 50 Hz

IP 24W - IC 01 - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

Output kW	Motor type	Product ID	Speed r/min	Efficiency		Power factor		Current			Torque			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 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
3000 r/min = 2 poles				3000 V 50 Hz												
710	AMI 400L2L	10500	2972	95.7	95.9	0.86	0.84	166	5.0	44	2281	0.6	2.1	6.2	2880	82
800	AMI 400L2L	10501	2968	95.6	95.9	0.86	0.85	187	4.4	44	2574	0.5	1.9	6.2	2880	82
900	AMI 400L2L	10502	2964	95.4	95.9	0.86	0.86	210	3.9	44	2900	0.4	1.7	6.2	2880	82
1000	AMI 400L2L	10503	2964	95.5	96.1	0.87	0.87	231	4.0	44	3222	0.5	1.7	6.7	2990	82
1120	AMI 400L2L	10504	2967	95.8	96.3	0.87	0.87	259	4.2	54	3604	0.4	1.8	6.8	3060	82
1250	AMI 400L2L	10505	2968	96.0	96.5	0.88	0.89	284	4.2	52	4022	0.5	1.8	7.5	3230	82
1370	AMI 400L2L	10506	2970	96.2	96.7	0.89	0.89	309	4.5	57	4405	0.5	1.9	8.1	3370	82
1400	AMI 400L2L	10507	2977	96.4	96.8	0.89	0.89	315	4.6	55	4491	0.5	1.8	11.0	3490	82
1400	AMI 450L2L	10508	2974	96.3	96.6	0.88	0.87	318	4.3	70	4496	0.4	1.9	11.6	4050	83
1600	AMI 450L2L	10509	2963	96.0	96.5	0.87	0.88	367	3.7	68	5156	0.4	1.6	11.9	4060	83
1800	AMI 450L2L	10510	2972	96.4	96.8	0.87	0.87	412	4.2	90	5783	0.4	1.8	12.3	4180	83
2100	AMI 450L2L	10511	2974	96.6	97.0	0.88	0.87	475	4.5	105	6742	0.4	1.9	13.7	4470	83
2200	AMI 450L2L	10512	2983	96.9	97.2	0.89	0.89	490	4.7	104	7043	0.4	2.0	18.4	4630	83
2240	AMI 500L2L	10513	2966	96.1	96.6	0.89	0.88	507	4.0	104	7212	0.4	1.7	19.6	5250	84
2650	AMI 500L2L	10514	2972	96.6	96.9	0.90	0.90	590	4.1	112	8513	0.4	1.8	21.5	5380	84
3100	AMI 500L2L	10515	2977	96.9	97.3	0.90	0.90	681	4.6	128	9943	0.4	1.9	25.0	5960	84
3150	AMI 500L2L	10516	2984	97.1	97.4	0.90	0.90	691	4.7	126	10082	0.4	1.9	33.7	6160	84
3550	AMI 560L2L B	10517	2980	97.0	97.2	0.90	0.90	781	5.1	156	11377	0.4	2.4	38.9	8130	87
4000	AMI 560L2L B	10518	2978	97.0	97.3	0.91	0.91	875	4.7	150	12828	0.4	2.3	40.7	8380	87
4500	AMI 560L2L B	10519	2979	97.1	97.4	0.91	0.91	982	5.0	177	14426	0.4	2.4	44.4	8780	87
4900	AMI 560L2L B	10520	2980	97.2	97.5	0.92	0.92	1058	5.1	174	15702	0.5	2.4	47.6	9190	87
5400	AMI 560L2L B	10521	2981	97.3	97.5	0.91	0.91	1169	5.5	218	17296	0.5	2.6	51.3	9590	87
5800	AMI 560L2L B	10522	2987	97.5	97.7	0.92	0.92	1248	5.3	214	18542	0.4	2.4	69.0	9910	87
6200	AMI 630L2L B	10523	2981	97.0	97.2	0.91	0.91	1348	5.0	206	19863	0.4	2.4	91.0	11490	88
6900	AMI 630L2L B	10524	2982	97.3	97.4	0.92	0.91	1490	5.6	238	22095	0.5	2.7	93.5	11900	88
7500	AMI 630L2L B	10525	2983	97.3	97.4	0.91	0.91	1632	5.7	279	24009	0.5	2.7	107.8	12820	88
8000	AMI 630L2L B	10526	2987	97.4	97.5	0.92	0.92	1720	5.6	268	25573	0.4	2.6	138.9	13220	88

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque			Rotor inertia kgm ²	Motor weight kg	Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
1000 r/min = 6 poles				3000 V 50 Hz												
500	AMI 400L6L	10550	987	94.9	95.3	0.85	0.82	120	4.6	40	4839	0.7	1.8	15.5	2780	77
560	AMI 400L6L	10551	988	95.2	95.4	0.84	0.81	135	4.9	49	5414	0.8	2.0	16.7	2880	77
630	AMI 400L6L	10552	988	95.1	95.3	0.81	0.77	158	5.0	65	6089	0.8	2.0	16.7	2860	77
710	AMI 400L6L	10553	988	95.1	95.5	0.82	0.78	175	4.9	68	6865	0.8	2.0	18.0	2960	77
800	AMI 400L6L	10554	988	95.2	95.6	0.82	0.79	197	4.9	74	7736	0.8	2.0	19.2	3060	77
900	AMI 400L6L	10555	988	95.3	95.7	0.82	0.78	222	4.9	86	8702	0.9	2.0	20.4	3150	77
980	AMI 400L6L	10556	988	95.5	95.8	0.83	0.80	237	5.0	85	9472	0.9	2.0	22.8	3340	77
1000	AMI 450L6L	10557	989	95.6	96.1	0.85	0.83	237	4.7	72	9656	0.6	1.9	33.2	3760	78
1120	AMI 450L6L	10558	989	95.7	96.2	0.85	0.83	265	4.7	81	10813	0.6	1.9	35.5	3890	78
1250	AMI 450L6L	10559	990	95.9	96.3	0.85	0.83	294	5.1	92	12059	0.7	2.0	40.0	4120	78
1400	AMI 450L6L	10560	990	96.0	96.4	0.85	0.83	330	5.1	102	13507	0.7	2.0	42.2	4240	78
1600	AMI 450L6L	10561	990	96.2	96.5	0.85	0.83	377	5.3	121	15431	0.8	2.1	46.7	4500	78
1800	AMI 500L6L	10562	991	96.2	96.6	0.88	0.87	410	4.9	104	17353	0.7	1.9	65.5	5290	79
2000	AMI 500L6L	10563	991	96.3	96.7	0.87	0.85	462	5.3	135	19267	0.8	2.0	69.1	5450	79
2240	AMI 500L6L	10564	991	96.3	96.8	0.88	0.87	508	5.0	128	21576	0.7	1.9	77.2	5730	79
2500	AMI 500L6L	10565	992	96.5	96.9	0.87	0.86	570	5.5	162	24060	0.8	2.1	84.6	6030	79
2700	AMI 500L6L	10566	992	96.6	96.9	0.87	0.85	618	5.7	180	25997	0.9	2.2	87.6	6200	79
3150	AMI 560L6L B	10567	992	96.6	97.0	0.88	0.87	716	5.0	164	30314	0.6	2.0	141.2	7840	80
3550	AMI 560L6L B	10568	992	96.8	97.2	0.88	0.87	804	5.4	190	34159	0.8	2.2	158.4	8430	80
4000	AMI 560L6L B	10569	992	96.9	97.2	0.88	0.87	905	5.3	210	38491	0.8	2.2	170.7	8820	80
4400	AMI 560L6L B	10570	993	97.0	97.3	0.88	0.88	988	5.4	219	42333	0.8	2.2	189.2	9400	80
5000	AMI 630L6L B	10571	993	97.1	97.4	0.87	0.86	1144	5.2	287	48077	0.7	2.2	258.6	11480	81
5600	AMI 630L6L B	10572	993	97.1	97.4	0.88	0.88	1260	5.1	275	53849	0.7	2.1	296.4	12400	81
6500	AMI 630L6L B	10573	993	97.2	97.5	0.88	0.88	1456	5.1	303	62503	0.7	2.1	334.2	13360	81

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque			Rotor inertia kgm ²	Motor weight kg	Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
600 r/min = 10 poles				3000 V 50 Hz												
250	AMI 400L10L	10601	590	93.5	93.9	0.76	0.72	67	4.0	31	4043	0.7	1.7	17.5	2750	75
280	AMI 400L10L	10602	590	93.7	94.0	0.77	0.72	75	4.0	33	4529	0.7	1.7	18.9	2850	75
315	AMI 400L10L	10603	591	93.8	94.2	0.77	0.72	84	4.0	38	5093	0.7	1.7	20.4	2940	75
355	AMI 400L10L	10604	590	94.0	94.4	0.78	0.74	93	3.9	39	5742	0.6	1.7	23.2	3130	75
400	AMI 400L10L	10605	591	94.2	94.4	0.76	0.71	107	4.3	50	6460	0.7	1.8	24.6	3230	75
450	AMI 400L10L	10606	591	94.1	94.4	0.77	0.72	120	4.2	54	7272	0.7	1.7	26.1	3310	75
500	AMI 450L10L	10607	591	94.7	95.2	0.82	0.79	123	4.3	45	8073	0.7	1.7	40.5	3830	76
560	AMI 450L10L	10608	592	94.8	95.3	0.82	0.79	138	4.4	52	9038	0.8	1.8	43.2	3950	76
630	AMI 450L10L	10609	592	95.0	95.4	0.81	0.77	157	4.7	64	10159	0.8	1.9	45.9	4080	76
710	AMI 450L10L	10610	591	94.7	95.2	0.82	0.79	176	4.3	65	11463	0.8	1.7	48.6	4160	76
780	AMI 450L10L	10611	591	95.0	95.5	0.83	0.80	191	4.2	65	12599	0.7	1.7	54.0	4440	76
900	AMI 500L10L	10612	593	95.3	95.8	0.83	0.80	219	4.5	78	14496	0.7	1.8	72.3	5050	77
1000	AMI 500L10L	10613	593	95.5	95.9	0.84	0.81	241	4.5	82	16106	0.7	1.8	81.3	5350	77
1120	AMI 500L10L	10614	593	95.7	96.1	0.84	0.81	269	4.7	93	18030	0.7	1.8	90.3	5670	77
1200	AMI 500L10L	10615	593	95.7	96.1	0.84	0.81	289	4.8	102	19313	0.7	1.9	94.8	5810	77
1350	AMI 500L10L	10616	593	95.8	96.2	0.83	0.80	325	4.9	116	21722	0.8	1.9	103.8	6130	77
1600	AMI 560L10L B	10617	592	95.8	96.3	0.85	0.84	377	4.5	113	25787	0.7	2.0	157.4	7370	75
1800	AMI 560L10L B	10618	593	96.0	96.5	0.86	0.84	422	4.7	124	28991	0.7	2.0	181.6	7950	75
2000	AMI 560L10L B	10619	593	96.0	96.5	0.86	0.85	467	4.6	131	32221	0.7	1.9	197.7	8330	75
2240	AMI 560L10L B	10620	593	96.2	96.7	0.85	0.84	524	4.6	147	36044	0.6	1.9	215.7	8740	75
2600	AMI 560L10L B	10621	595	96.6	96.9	0.84	0.82	616	5.3	207	41728	0.8	2.1	248.3	9510	75
2800	AMI 630L10L B	10622	594	96.5	96.9	0.86	0.84	651	5.1	187	44989	0.8	2.0	366.9	11350	75
3150	AMI 630L10L B	10623	594	96.6	97.0	0.86	0.85	729	5.1	203	50609	0.8	2.0	409.9	12080	75
3400	AMI 630L10L B	10624	595	96.8	97.1	0.86	0.85	787	5.1	216	54532	0.8	1.9	443.6	12580	75
3700	AMI 630L10L B	10625	596	96.9	97.1	0.86	0.84	855	5.5	249	59303	0.8	2.1	501.6	13470	75

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

3000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

Output kW	Motor type	Product ID	Speed r/min	Efficiency		Power factor		Current			Torque			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 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
500 r/min = 12 poles				3000 V 50 Hz												
160	AMI 400L12L	10626	493	92.3	92.0	0.69	0.62	48	4.0	28	3101	0.9	1.9	17.5	2750	75
200	AMI 400L12L	10627	492	92.6	92.5	0.71	0.65	59	3.8	32	3879	0.8	1.8	19.0	2850	75
224	AMI 400L12L	10628	492	92.8	92.7	0.71	0.65	66	3.9	36	4343	0.8	1.8	20.4	2940	75
250	AMI 400L12L	10629	493	92.8	92.8	0.71	0.65	73	3.8	39	4842	0.7	1.7	22.2	3020	75
280	AMI 400L12L	10630	493	93.1	92.9	0.70	0.63	83	4.1	47	5422	0.8	1.9	24.7	3230	75
315	AMI 400L12L	10631	493	93.1	92.9	0.70	0.64	93	4.0	51	6103	0.8	1.8	26.2	3300	75
355	AMI 450L12L	10632	493	94.2	94.5	0.75	0.70	96	4.1	46	6878	0.7	1.8	37.7	3710	76
400	AMI 450L12L	10633	493	94.2	94.5	0.76	0.71	108	4.0	51	7752	0.7	1.7	40.4	3820	76
450	AMI 450L12L	10634	493	94.3	94.6	0.76	0.71	121	4.0	57	8720	0.7	1.7	43.0	3940	76
500	AMI 450L12L	10635	493	94.4	94.8	0.77	0.72	133	4.0	60	9691	0.7	1.7	48.4	4180	76
560	AMI 450L12L	10636	493	94.6	94.9	0.77	0.72	148	4.0	66	10851	0.7	1.7	53.8	4420	76
630	AMI 500L12L	10637	493	94.7	95.1	0.77	0.73	165	4.0	74	12198	0.6	1.7	67.3	4890	77
710	AMI 500L12L	10638	493	94.8	95.3	0.79	0.75	183	3.9	76	13752	0.6	1.7	76.2	5200	77
800	AMI 500L12L	10639	494	95.1	95.5	0.78	0.74	207	4.1	91	15479	0.6	1.8	85.2	5520	77
900	AMI 500L12L	10640	493	95.2	95.6	0.79	0.75	231	4.0	96	17421	0.6	1.7	94.2	5820	77
970	AMI 500L12L	10641	493	95.1	95.5	0.80	0.76	246	4.1	98	18794	0.6	1.7	102.5	6120	77
1120	AMI 560L12L B	10642	493	95.6	96.1	0.81	0.77	278	4.3	111	21682	0.6	2.0	149.2	7170	74
1250	AMI 560L12L B	10643	493	95.7	96.2	0.81	0.77	311	4.4	125	24196	0.6	2.0	157.2	7350	74
1400	AMI 560L12L B	10644	493	95.7	96.2	0.82	0.78	345	4.2	130	27108	0.6	1.9	173.4	7730	74
1600	AMI 560L12L B	10645	493	95.8	96.3	0.82	0.79	391	4.3	145	30971	0.6	1.9	197.7	8290	74
1800	AMI 560L12L B	10646	494	96.0	96.5	0.81	0.77	445	4.7	181	34794	0.7	2.1	222.0	8860	74
2000	AMI 560L12L B	10647	495	96.2	96.6	0.81	0.78	492	4.5	192	38614	0.7	2.0	247.7	9440	74
2240	AMI 630L12L B	10648	495	96.3	96.8	0.84	0.81	532	5.0	182	43247	0.8	2.2	366.6	11280	74
2500	AMI 630L12L B	10649	496	96.6	96.9	0.83	0.79	601	5.4	229	48171	0.8	2.4	412.9	12000	74
2800	AMI 630L12L B	10650	495	96.6	96.9	0.83	0.80	669	5.4	250	53993	0.8	2.4	452.6	12710	74
3000	AMI 630L12L B	10651	496	96.7	97.0	0.84	0.81	714	5.2	251	57762	0.8	2.1	499.9	13430	74

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

Output kW	Motor type	Product ID	Speed r/min	Efficiency		Power factor		Current			Torque			Rotor inertia kgm²	Motor weight kg	Sound pressure level L _p dB(A)
				Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
3000 r/min = 2 poles				6000 V 50 Hz												
710	AMI 400L2L	10652	2975	95.6	95.8	0.86	0.84	83	5.0	23	2279	0.5	2.2	6.1	2840	82
800	AMI 400L2L	10653	2971	95.4	95.8	0.86	0.85	93	4.5	23	2571	0.5	1.9	6.1	2840	82
900	AMI 400L2L	10654	2971	95.6	96.0	0.88	0.87	103	4.5	23	2893	0.5	1.9	6.6	2950	82
1000	AMI 400L2L	10655	2972	95.8	96.2	0.87	0.86	115	4.6	27	3213	0.5	2.0	6.8	3010	82
1100	AMI 400L2L	10656	2974	96.0	96.3	0.88	0.87	126	4.9	29	3533	0.5	2.0	7.3	3130	82
1200	AMI 400L2L	10657	2975	96.2	96.5	0.89	0.88	136	5.2	31	3852	0.6	2.1	8.0	3300	82
1350	AMI 400L2L	10658	2976	96.4	96.7	0.89	0.88	152	5.5	35	4331	0.6	2.2	8.7	3460	82
1380	AMI 400L2L	10659	2982	96.6	96.9	0.89	0.88	155	5.6	33	4419	0.6	2.2	11.7	3590	82
1400	AMI 450L2L	10660	2974	96.1	96.4	0.88	0.87	159	4.3	35	4495	0.4	1.8	11.6	3960	83
1600	AMI 450L2L	10661	2973	96.1	96.5	0.88	0.87	182	4.2	40	5139	0.4	1.8	11.9	4040	83
1800	AMI 450L2L	10662	2976	96.4	96.7	0.88	0.87	204	4.7	48	5776	0.4	2.0	13.0	4260	83
2100	AMI 450L2L	10663	2978	96.7	96.9	0.88	0.87	237	5.1	57	6733	0.5	2.2	14.6	4580	83
2150	AMI 450L2L	10664	2986	96.9	97.1	0.89	0.88	239	5.5	57	6876	0.4	2.3	19.5	4740	83
2240	AMI 500L2L	10665	2980	96.7	96.9	0.90	0.89	249	4.8	56	7178	0.4	2.1	21.1	5310	84
2500	AMI 500L2L	10666	2980	96.8	97.0	0.90	0.89	278	5.0	64	8010	0.5	2.1	22.4	5510	84
2800	AMI 500L2L	10667	2981	96.9	97.1	0.90	0.89	309	5.1	69	8970	0.5	2.2	24.4	5790	84
3100	AMI 500L2L	10668	2981	97.0	97.3	0.91	0.90	339	5.3	71	9930	0.5	2.2	27.4	6220	84
3200	AMI 500L2L	10669	2987	97.2	97.4	0.91	0.90	349	5.4	71	10229	0.4	2.2	37.0	6450	84
3300	AMI 560L2L B	10670	2978	96.9	97.1	0.90	0.90	363	5.1	74	10581	0.4	2.4	39.3	8110	87
3700	AMI 560L2L B	10671	2979	96.9	97.2	0.91	0.91	403	4.9	71	11861	0.4	2.4	40.7	8230	87
4100	AMI 560L2L B	10672	2978	97.1	97.3	0.91	0.91	446	5.0	77	13145	0.4	2.4	44.4	8740	87
4500	AMI 560L2L B	10673	2979	97.1	97.3	0.92	0.92	483	5.0	72	14426	0.5	2.4	48.2	9080	87
5250	AMI 560L2L B	10674	2980	97.3	97.5	0.92	0.92	566	5.6	100	16822	0.6	2.7	51.9	9530	87
5700	AMI 560L2L B	10675	2985	97.4	97.6	0.92	0.92	611	5.3	97	18237	0.4	2.5	67.9	9810	87
6100	AMI 630L2L B	10676	2981	97.1	97.2	0.91	0.91	666	5.5	113	19538	0.5	2.7	87.4	11290	88
6500	AMI 630L2L B	10677	2982	97.1	97.2	0.91	0.91	710	5.5	120	20812	0.4	2.6	97.4	11970	88
7100	AMI 630L2L B	10678	2983	97.2	97.3	0.91	0.92	769	5.2	115	22730	0.4	2.5	105.9	12770	88
8000	AMI 630L2L B	10679	2988	97.5	97.6	0.92	0.92	861	5.9	147	25567	0.4	2.8	134.9	12950	88

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque			Rotor inertia kgm ²	Motor weight kg	Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
1000 r/min = 6 poles				6000 V 50 Hz												
500	AMI 400L6L	10703	989	94.8	95.0	0.83	0.79	61	5.4	24	4827	0.9	2.2	16.7	2820	77
560	AMI 400L6L	10704	989	94.8	95.0	0.80	0.75	71	5.5	33	5405	0.9	2.3	16.7	2820	77
630	AMI 400L6L	10705	989	95.0	95.2	0.81	0.76	79	5.4	34	6082	0.9	2.2	18.0	2920	77
710	AMI 400L6L	10706	989	95.1	95.3	0.81	0.77	88	5.4	37	6855	0.9	2.2	19.2	3010	77
800	AMI 400L6L	10707	989	95.2	95.4	0.81	0.76	100	5.4	43	7723	0.9	2.2	20.4	3110	77
900	AMI 400L6L	10708	989	95.3	95.6	0.83	0.79	110	5.4	43	8689	0.9	2.2	22.8	3290	77
950	AMI 450L6L	10709	989	95.4	95.9	0.85	0.83	113	4.8	35	9169	0.6	1.9	33.3	3720	78
1060	AMI 450L6L	10710	990	95.6	96.0	0.85	0.82	126	4.9	40	10228	0.7	1.9	35.6	3840	78
1180	AMI 450L6L	10711	990	95.8	96.1	0.84	0.81	141	5.1	48	11380	0.7	2.1	37.8	3970	78
1320	AMI 450L6L	10712	990	95.9	96.3	0.85	0.82	156	5.3	50	12728	0.7	2.1	42.3	4220	78
1500	AMI 450L6L	10713	991	96.1	96.4	0.85	0.82	178	5.5	59	14457	0.8	2.2	46.8	4460	78
1600	AMI 500L6L	10714	992	96.1	96.5	0.88	0.86	183	5.6	54	15395	0.7	2.1	66.2	5220	79
1800	AMI 500L6L	10715	992	96.1	96.4	0.86	0.84	209	5.8	66	17324	0.9	2.2	69.3	5340	79
2000	AMI 500L6L	10716	992	96.2	96.5	0.86	0.84	231	5.5	72	19244	0.7	2.1	73.6	5500	79
2240	AMI 500L6L	10717	992	96.4	96.7	0.88	0.87	255	5.1	68	21560	0.7	1.9	84.4	5970	79
2450	AMI 500L6L	10718	993	96.5	96.8	0.86	0.83	285	5.5	92	23562	0.7	2.1	88.0	6120	79
2500	AMI 560L6L B	10719	991	96.3	96.7	0.87	0.86	288	5.1	75	24078	0.7	2.1	120.7	7200	80
2800	AMI 560L6L B	10720	992	96.5	96.8	0.86	0.85	324	5.5	92	26947	0.8	2.4	132.9	7560	80
3300	AMI 560L6L B	10721	993	96.7	97.0	0.87	0.85	379	5.7	104	31750	0.8	2.4	151.3	8130	80
3550	AMI 560L6L B	10722	993	96.8	97.1	0.86	0.85	409	5.8	114	34145	0.8	2.5	163.1	8510	80
4000	AMI 560L6L B	10723	993	96.8	97.1	0.87	0.86	455	5.7	122	38473	0.8	2.4	187.5	9250	80
4300	AMI 560L6L B	10724	993	96.9	97.2	0.86	0.84	497	5.8	147	41346	0.8	2.5	193.2	9460	80
4500	AMI 630L6L B	10725	992	96.8	97.2	0.88	0.88	508	4.8	105	43325	0.6	2.1	248.3	11140	81
5000	AMI 630L6L B	10726	993	97.0	97.3	0.88	0.88	566	5.0	125	48089	0.6	2.1	268.1	11620	81
5600	AMI 630L6L B	10727	994	97.2	97.4	0.87	0.86	634	5.5	158	53811	0.7	2.3	305.5	12570	81
6500	AMI 630L6L B	10728	994	97.3	97.5	0.87	0.85	742	5.5	203	62427	0.7	2.4	336.0	13260	81

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque			Rotor inertia kgm ²	Motor weight kg	Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
600 r/min = 10 poles				6000 V 50 Hz												
224	AMI 400L10L	12299	592	92.7	92.6	0.66	0.59	35	3.7	22	3615	0.6	1.8	13.9	2750	75
250	AMI 400L10L	10753	591	93.0	93.2	0.71	0.65	36	3.6	20	4041	0.6	1.7	14.6	2850	75
280	AMI 400L10L	10754	591	93.2	93.4	0.74	0.68	39	4.0	20	4521	0.7	1.8	18.0	2890	75
315	AMI 400L10L	10755	591	93.3	93.6	0.76	0.71	43	3.8	20	5092	0.6	1.7	19.2	2980	75
355	AMI 400L10L	10756	593	93.6	93.8	0.75	0.70	48	4.3	23	5721	0.7	1.8	23.5	3080	75
400	AMI 400L10L	10757	592	93.6	94.0	0.76	0.72	54	4.1	25	6451	0.7	1.7	24.9	3170	75
450	AMI 450L10L	10758	591	94.0	94.6	0.83	0.80	56	4.2	20	7269	0.7	1.7	37.8	3650	76
500	AMI 450L10L	10759	591	94.2	94.8	0.83	0.80	62	4.2	22	8075	0.7	1.7	40.5	3770	76
560	AMI 450L10L	10760	591	94.2	94.8	0.82	0.79	70	4.3	25	9051	0.8	1.7	43.0	3890	76
650	AMI 450L10L	10761	592	94.5	95.0	0.82	0.78	81	4.5	32	10487	0.8	1.8	45.9	4010	76
740	AMI 450L10L	10762	592	94.7	95.2	0.82	0.78	92	4.6	37	11935	0.8	1.8	51.3	4250	76
800	AMI 500L10L	10763	593	95.1	95.6	0.84	0.81	97	4.5	35	12892	0.6	1.8	71.9	5020	77
900	AMI 500L10L	10764	594	95.4	95.8	0.82	0.79	110	4.9	43	14477	0.7	2.0	76.8	5180	77
1000	AMI 500L10L	10765	593	95.2	95.7	0.84	0.81	120	4.6	43	16110	0.7	1.9	85.3	5430	77
1120	AMI 500L10L	10766	593	95.5	95.9	0.84	0.81	135	4.6	46	18031	0.7	1.8	90.3	5620	77
1250	AMI 500L10L	10767	594	95.7	96.0	0.83	0.79	151	5.2	58	20095	0.8	2.0	103.8	6040	77
1400	AMI 560L10L B	10768	592	95.5	96.0	0.85	0.83	165	4.7	52	22583	0.7	2.1	148.8	7100	75
1600	AMI 560L10L B	10769	593	95.8	96.2	0.85	0.83	188	5.1	61	25780	0.8	2.3	172.8	7660	75
1800	AMI 560L10L B	10770	593	95.8	96.3	0.86	0.83	211	5.1	67	29001	0.8	2.2	188.8	8040	75
2000	AMI 560L10L B	10771	593	96.0	96.4	0.86	0.84	233	5.0	69	32197	0.8	2.1	213.3	8610	75
2240	AMI 560L10L B	10772	594	96.2	96.5	0.85	0.83	263	5.4	87	36026	0.9	2.3	229.4	8990	75
2400	AMI 560L10L B	10773	595	96.4	96.6	0.84	0.81	286	5.6	104	38491	0.9	2.3	248.3	9320	75
2500	AMI 630L10L B	10774	594	96.3	96.7	0.86	0.84	291	5.0	83	40177	0.8	2.0	338.3	10770	75
2800	AMI 630L10L B	10775	594	96.4	96.8	0.86	0.85	325	5.2	92	44981	0.8	2.0	381.2	11490	75
3150	AMI 630L10L B	10776	596	96.7	97.0	0.85	0.83	369	5.5	118	50479	0.8	2.1	428.1	12170	75
3350	AMI 630L10L B	10777	597	96.8	97.0	0.85	0.83	393	5.5	127	53628	0.8	2.2	464.5	12670	75
3700	AMI 630L10L B	10778	597	96.9	97.1	0.85	0.82	435	5.7	145	59216	0.8	2.2	508.6	13420	75

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

6000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

10000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

10000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

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

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

10000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

				Efficiency		Power factor		Current			Torque			Rotor inertia kgm ²	Motor weight kg	Sound pressure level L _p dB(A)
Output kW	Motor type	Product ID	Speed r/min	Full load 100 %	3/4 load 75 %	Full load 100 %	3/4 load 75 %	I _N A	$\frac{I_s}{I_N}$	I ₀ A	T _N Nm	$\frac{T_s}{T_N}$	$\frac{T_{max}}{T_N}$			
1000 r/min = 6 poles				10000 V 50 Hz												
630	AMI 450L6L	10847	989	95.0	95.2	0.84	0.80	46	5.3	17	6081	0.8	2.1	28.1	3800	78
710	AMI 450L6L	10848	988	94.9	95.2	0.85	0.82	51	4.8	17	6864	0.7	2.0	28.1	3800	78
800	AMI 450L6L	10849	989	95.1	95.4	0.84	0.80	58	5.0	21	7725	0.7	2.1	28.3	3810	78
900	AMI 450L6L	10850	988	95.1	95.5	0.85	0.82	64	4.7	22	8696	0.6	1.9	30.1	3940	78
1000	AMI 450L6L	10851	988	95.2	95.6	0.85	0.83	71	4.6	23	9667	0.6	1.9	31.8	4060	78
1100	AMI 450L6L	10852	991	95.5	95.8	0.83	0.79	80	4.8	30	10605	0.6	1.9	32.4	4080	78
1250	AMI 500L6L	10853	991	95.4	95.8	0.88	0.86	86	5.5	26	12045	0.7	2.1	60.1	4960	79
1400	AMI 500L6L	10854	991	95.5	95.9	0.87	0.85	97	5.5	30	13488	0.7	2.2	63.6	5110	79
1600	AMI 500L6L	10855	993	95.8	96.1	0.86	0.83	113	5.6	39	15383	0.7	2.2	69.1	5290	79
1750	AMI 500L6L	10856	994	96.0	96.2	0.84	0.81	125	5.6	47	16820	0.7	2.2	72.6	5450	79
2000	AMI 560L6L B	10857	992	96.1	96.4	0.88	0.87	136	5.4	35	19250	0.7	2.3	119.9	7100	80
2240	AMI 560L6L B	10858	992	96.1	96.4	0.88	0.87	153	5.6	40	21558	0.8	2.3	136.3	7580	80
2500	AMI 560L6L B	10859	993	96.3	96.6	0.87	0.85	173	5.8	52	24044	0.8	2.5	147.5	7950	80
2800	AMI 560L6L B	10860	993	96.5	96.8	0.87	0.86	192	5.7	54	26915	0.7	2.3	160.8	8340	80
3200	AMI 560L6L B	10861	995	96.7	96.9	0.86	0.85	222	5.6	64	30723	0.7	2.2	177.8	8760	80
3550	AMI 630L6L B	10862	993	96.7	97.0	0.87	0.86	242	5.7	64	34133	0.7	2.4	228.6	10500	81
4000	AMI 630L6L B	10863	993	96.8	97.1	0.88	0.87	271	5.6	67	38466	0.7	2.4	247.4	10970	81
4500	AMI 630L6L B	10864	993	96.9	97.2	0.88	0.87	304	5.6	74	43275	0.7	2.4	266.2	11450	81
5000	AMI 630L6L B	10865	994	97.0	97.3	0.87	0.86	341	5.7	91	48040	0.7	2.4	285.7	11940	81
5600	AMI 630L6L B	10866	994	97.1	97.4	0.87	0.86	381	5.6	102	53782	0.7	2.4	316.0	12660	81
750 r/min = 8 poles				10000 V 50 Hz												
710	AMI 500L8L	10867	742	94.6	94.8	0.84	0.81	51	5.3	19	9134	0.7	2.1	69.4	4910	77
800	AMI 500L8L	10868	741	94.5	94.9	0.86	0.83	57	5.2	19	10307	0.8	2.1	69.8	4910	77
900	AMI 500L8L	10869	742	94.8	95.1	0.86	0.83	64	5.3	21	11583	0.7	2.0	74.6	5070	77
1000	AMI 500L8L	10870	742	94.9	95.2	0.86	0.83	71	5.3	24	12870	0.7	2.1	79.0	5220	77
1120	AMI 500L8L	10871	743	95.1	95.5	0.87	0.85	78	5.1	24	14403	0.7	1.9	88.4	5510	77
1250	AMI 500L8L	10872	744	95.4	95.7	0.85	0.83	89	5.3	29	16042	0.7	1.9	94.0	5680	77
1400	AMI 560L8L B	10873	744	95.8	96.1	0.85	0.84	99	4.8	30	17971	0.6	1.9	134.0	7070	76
1600	AMI 560L8L B	10874	744	95.9	96.2	0.85	0.83	113	4.9	35	20538	0.6	2.0	141.1	7260	76
1850	AMI 560L8L B	10875	744	96.0	96.3	0.84	0.82	132	4.9	43	23745	0.6	2.0	148.2	7450	76
2100	AMI 560L8L B	10876	745	96.2	96.5	0.84	0.81	151	5.0	49	26929	0.7	2.0	163.1	7840	76
2360	AMI 560L8L B	10877	744	96.3	96.6	0.84	0.83	167	5.0	53	30279	0.7	2.0	183.3	8390	76
2500	AMI 560L8L B	10878	745	96.4	96.5	0.83	0.80	179	5.7	65	32039	0.8	2.3	204.5	8890	76
2800	AMI 630L8L B	10879	744	96.3	96.6	0.85	0.83	198	5.5	61	35920	0.8	2.2	301.9	10840	77
3150	AMI 630L8L B	10880	744	96.4	96.7	0.85	0.84	221	5.3	64	40421	0.7	2.1	325.9	11340	77
3500	AMI 630L8L B	10881	745	96.7	96.9	0.85	0.84	245	5.2	73	44838	0.6	2.1	355.5	11850	77
4150	AMI 630L8L B	10882	746	96.9	97.0	0.85	0.83	292	5.5	92	53139	0.7	2.2	416.0	13050	77

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HV Modular induction motors

Technical data for totally enclosed squirrel cage three phase motors

10000 V - 50 Hz

IP 55 - IC 81W - Insulation class F, temperature rise class B

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

Data presented in rating lists are typical values. Guaranteed values on request.

All engineered motors are optimized for the specified application.

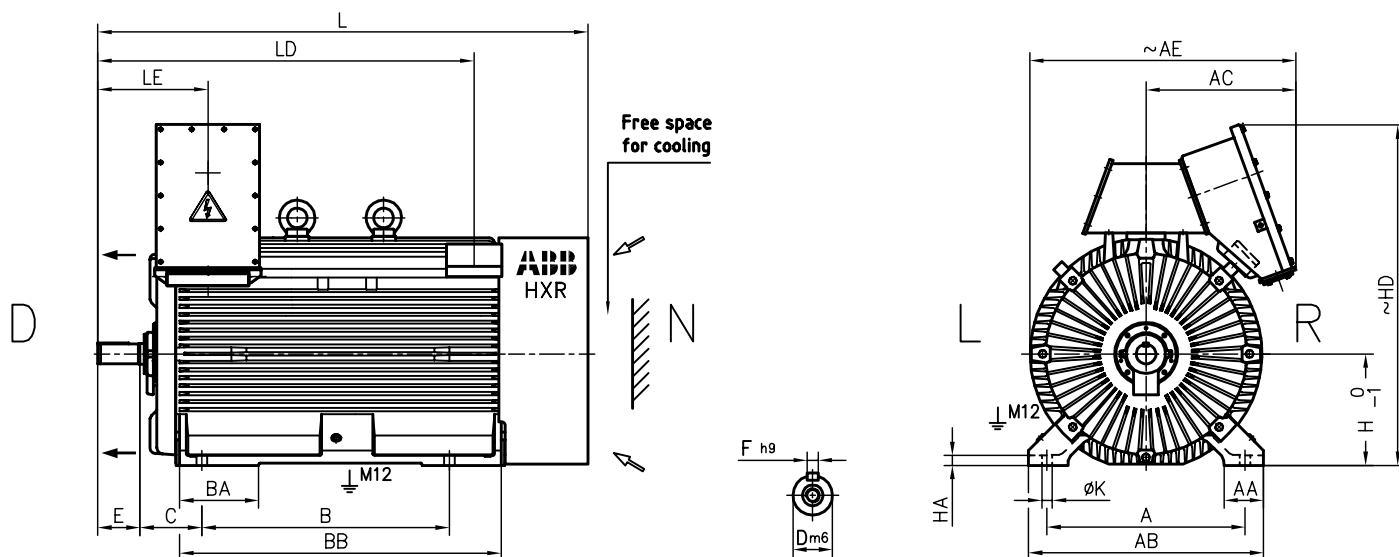
Accurate motor data will be given on request at quotation phase.

Legally binding performance and specification data is given to the end user once each order is confirmed.

Engineered motors, HXR

Dimension drawings

Antifriction bearings, $1 < UN \leq 6.6$ kV, IM 1001, IC411



HXR	Poles	A	B	C	D	E	F	H	AE	HD	L	K	LD	LE
355L	2	610	630	254	70	140	20	355	980	1195	1505	35	1080	380
355L	≥ 4	610	630	254	100	210	28	355	980	1195	1670	35	1150	450
400L	2	710	900	224	80	170	22	400	1030	1285	1765	35	1330	430
400L	≥ 4	710	900	224	110	210	28	400	1030	1285	1900	35	1370	470
450L	2	800	1000	250	80	170	22	450	1075	1385	1985	42	1525	445
450L	≥ 4	800	1000	250	110	210	28	450	1075	1385	2120	42	1565	485
500L	2	900	1250	280	90	170	25	500	1175	1505	2320	42	1805	460
500L	≥ 4	900	1250	280	120	210	32	500	1175	1505	2455	42	1845	500
560L	≥ 4	1000	1600	400	160	300	40	560	1285	1655	3025	48	2355	630

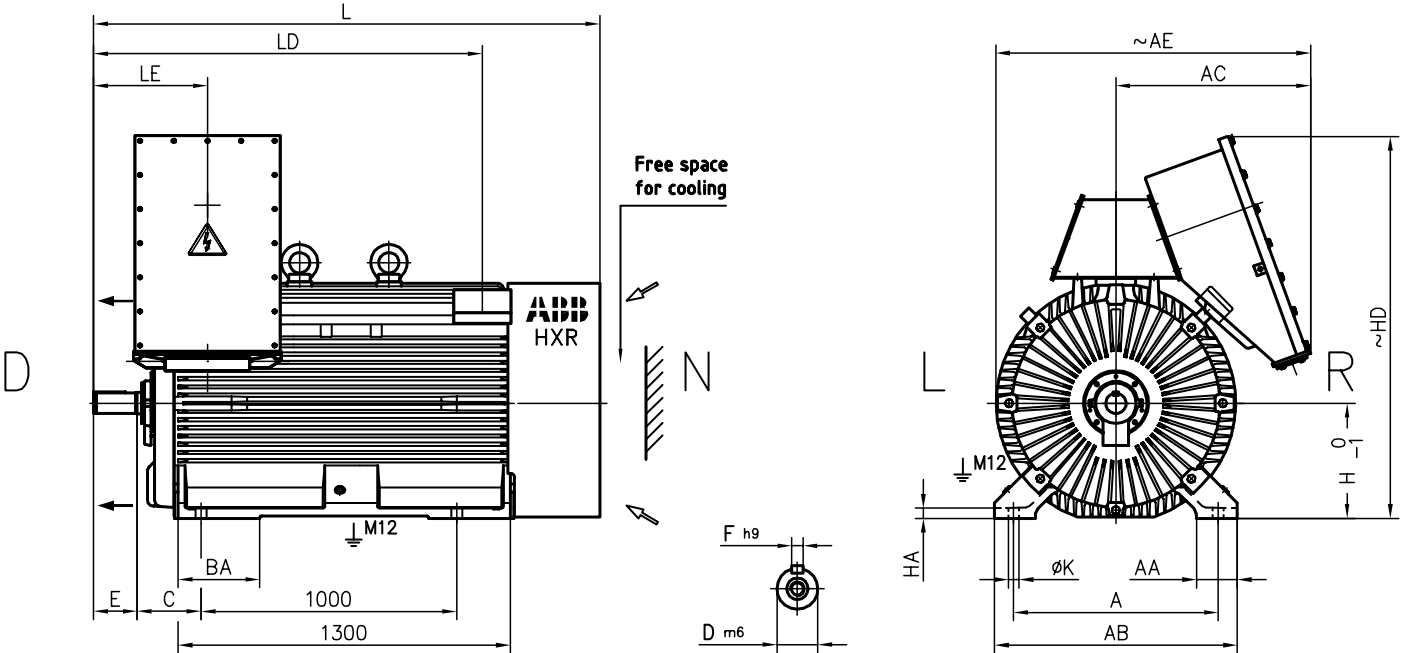
HXR	Poles	AA	AB	AC	BA	BB	HA	D-end bearing	N-end bearing
355L	2	120	700	745	210	886	55	6317M/C3	6317M/C3
355L	≥ 4	120	700	745	210	886	55	6322/C3	6319/C3
400L	2	140	840	840	260	1120	35	6317M/C3	6317M/C3
400L	≥ 4	140	840	840	260	1120	35	6324/C3	6319/C3
450L	2	160	950	940	320	1300	40	6317M/C3	6317M/C3
450L	≥ 4	160	950	940	320	1300	40	6324/C3	6322/C3
500L	2	170	1050	1050	375	1570	45	6319M/C3	6319M/C3
500L	≥ 4	170	1050	1050	375	1570	45	6326/C3	6324/C3
560L	≥ 4	230	1170	1190	620	1940	50	6034/C3 + NU1034/C3	NU322/C3

Above table gives the main dimensions in mm.
For detailed drawings please see our web-
pages 'www.abb.com/motors&generators'
or contact ABB.

Engineered motors, HXR

Dimension drawings

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



HXR	Poles	A	B	C	D	E	F	H	AE	HD	L	K	LD	LE
450L	2	800	1000	250	80	170	22	450	1235	1495	1985	42	1525	445
450L	≥ 4	800	1000	250	110	210	28	450	1235	1495	2120	42	1565	485
500L	2	900	1250	280	90	170	25	500	1285	1620	2320	42	1805	460
500L	≥ 4	900	1250	280	120	210	32	500	1285	1620	2455	42	1845	500
560L	≥ 4	1000	1600	400	160	300	40	560	1365	1780	3025	48	2355	630

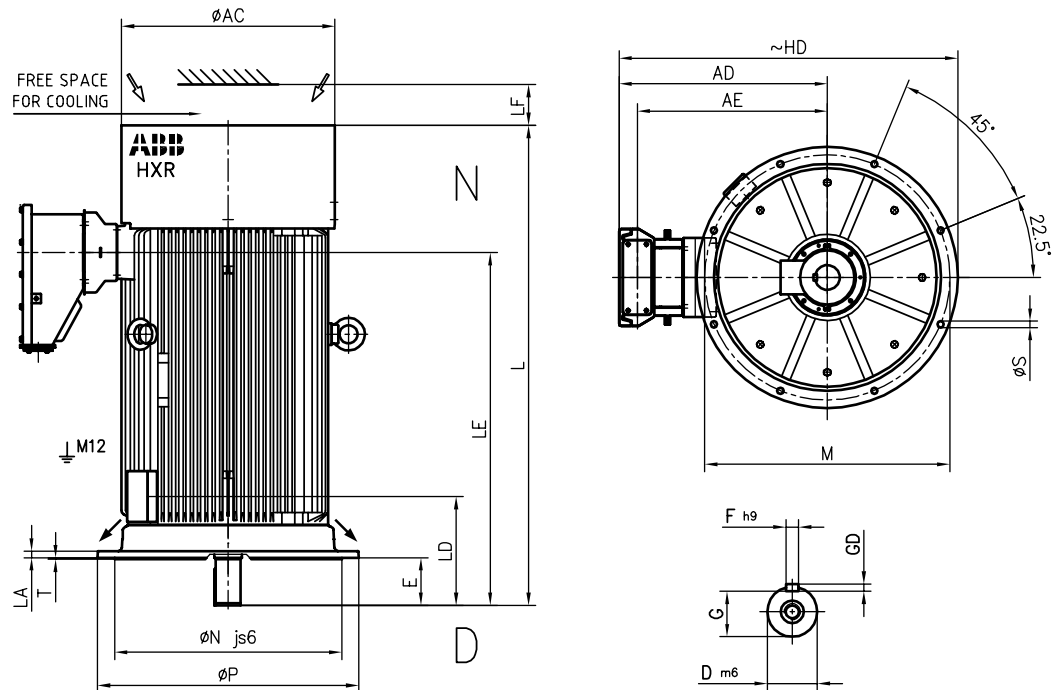
HXR	Poles	AA	AB	AC	BA	BB	HA	D-end bearing	N-end bearing
450L	2	160	950	940	320	1300	40	6317/C3	6317/C3
450L	≥ 4	160	950	940	320	1300	40	6324/C3	6322/C3
500L	2	170	1050	1050	375	1570	45	6319M/C3	6319M/C3
500L	≥ 4	170	1050	1050	375	1570	45	6326/C3	6324/C3
560L	≥ 4	230	1170	1190	620	1940	50	6034/C3 + NU1034/C3	NU322/C3

Above table gives the main dimensions in mm.
 For detailed drawings please see our web-
 pages ‘www.abb.com/motors&generators’
 or contact ABB.

Engineered motors, HXR

Dimension drawings

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



HXR	Poles	M	N	P	S	D	E	F	G	GD	HD	L	LA
355L	2	740	680	800	24	70	140	20	62.5	12	1225	1505	25
355L	≥ 4	740	680	800	24	100	210	28	90	16	1225	1670	25
400L	2	940	880	1000	28	80	170	22	71	14	1370	1765	30
400L	≥ 4	940	880	1000	28	110	210	28	100	16	1370	1900	30
450L	≥ 4	1080	1000	1150	28	110	210	28	100	16	1495	2120	30
500L	≥ 4	1080	1000	1150	28	120	210	32	109	18	1570	2455	30
560L	≥ 6	1320	1250	1400	28	160	300	40	147	22	1780	3005	40

HXR	Poles	LD	LE	LF	T	AC	AD	AE	D-end bearing	N-end bearing
355L	2	395	1080	130	6	750	822	745	6317M/C3	7317 BM
355L	4	465	1150	130	6	750	822	745	6322/C3	7319 BM
400L	2	425	1315	150	6	840	867	790	6317M/C3	7317 BM
400L	≥ 4	465	1358	150	6	840	867	790	6324/C3	7319 BM
450L	≥ 4	480	1555	180	6	940	917	840	6324/C3	7322 BM
500L	≥ 4	510	1850	200	6	1040	992	915	6326/C3	7324 BM
560L	≥ 6	630	2350	250	6	1190	1077	1000	6034/C3	7334 BM

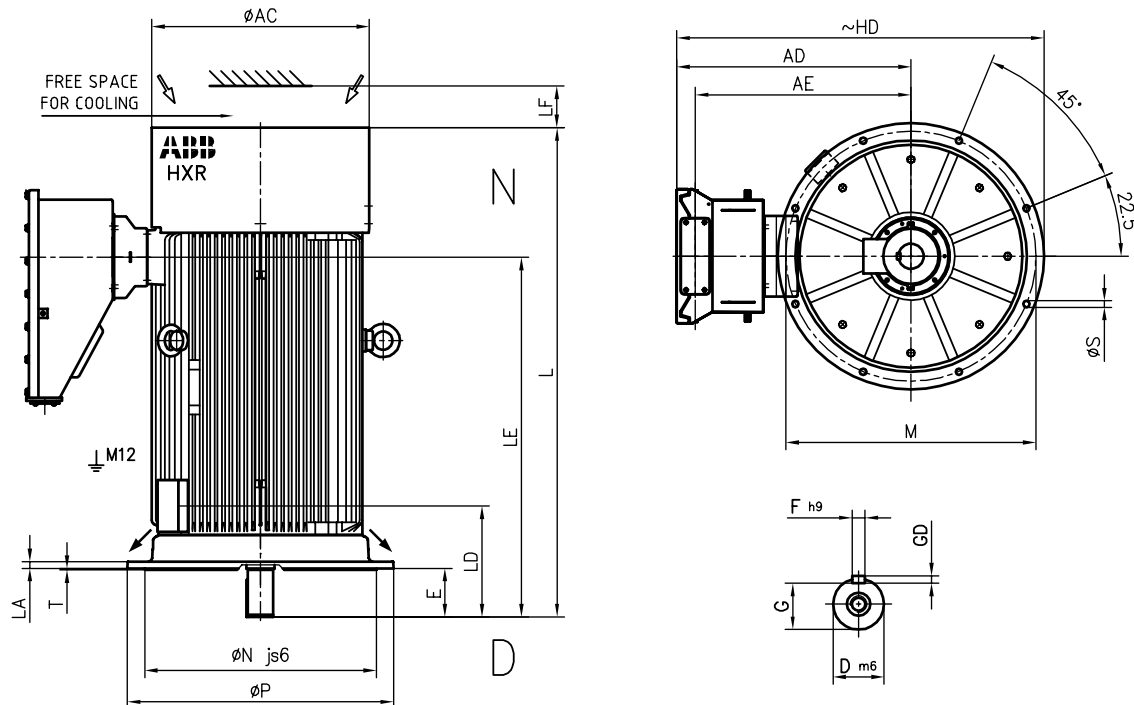
Note! Rain canopy is recommended for outdoor location.

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

Engineered motors, HXR

Dimension drawings

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



HXR	Poles	M	N	P	S	D	E	F	G	GD	HD	L	LA
450L	≥ 4	1080	1000	1150	28	110	210	28	100	16	1590	2120	30
500L	≥ 4	1080	1000	1150	28	120	210	32	109	18	1665	2455	30
560L	≥ 6	1320	1250	1400	28	160	300	40	147	22	1875	3005	40

HXR	Poles	LD	LE	LF	T	AC	AD	AE	D-end bearing	N-end bearing
450L	≥ 4	480	1555	180	6	940	1012	935	6324/C3	7322 BM
500L	≥ 4	510	1850	200	6	1040	1087	1010	6326/C3	7324 BM
560L	≥ 6	630	2350	250	6	1190	1172	1095	6034/C3	7334 BM

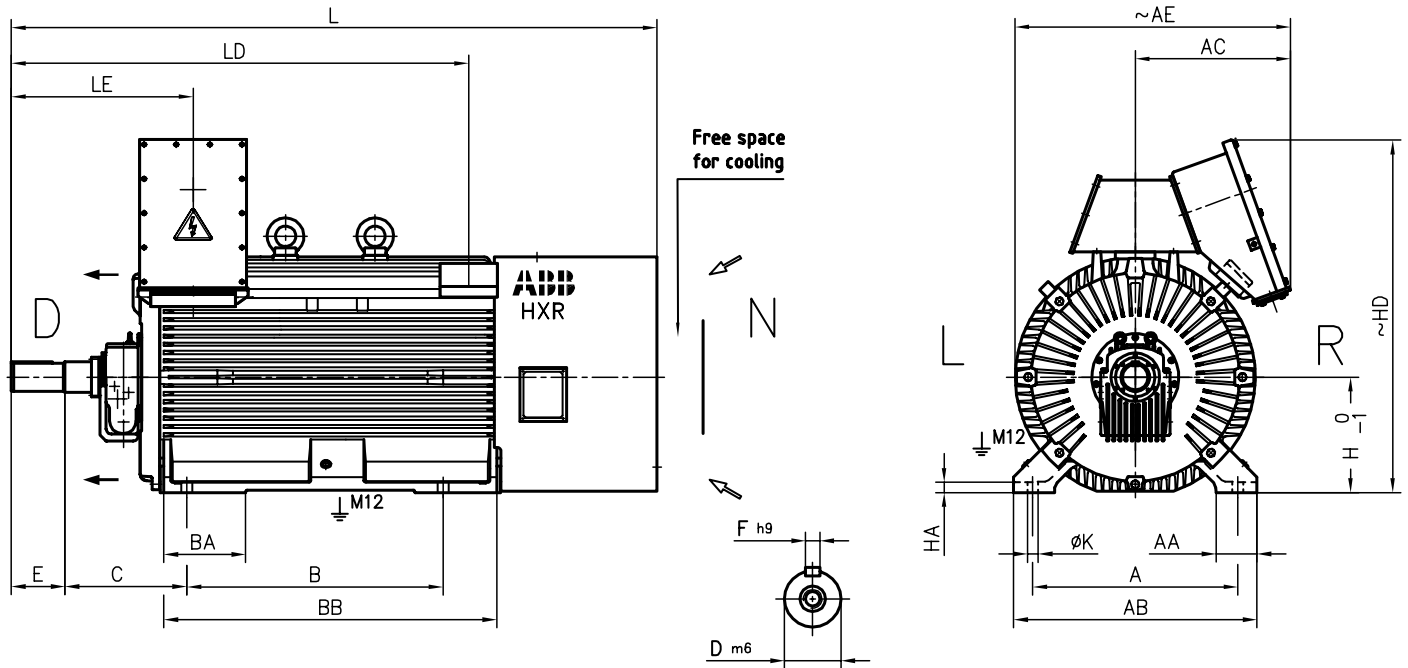
Note! Rain canopy is recommended for outdoor location.

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

Engineered motors, HXR

Dimension drawings

Sleeve bearings, $1 < UN \leq 6.6$ kV, IM 1001, IC411



HXR	Poles	A	B	C	D	E	F	H	AE	HD	L	K	LD	LE
355L	2	610	630	475	70	140	20	355	980	1195	1905	35	1305	601
355L	≥ 4	610	630	475	100	210	28	355	980	1195	2075	35	1375	671
400L	2	710	900	450	80	170	22	400	1030	1285	2170	35	1555	656
400L	≥ 4	710	900	450	110	210	28	400	1030	1285	2305	35	1595	696
450L	2	800	1000	475	80	170	22	450	1075	1380	2390	42	1750	670
450L	≥ 4	800	1000	475	110	210	28	450	1075	1380	2525	42	1790	710
500L	2	900	1250	500	90	170	25	500	1175	1505	2705	42	2025	680
500L	≥ 4	900	1250	500	120	210	32	500	1175	1505	2840	42	2065	720
560L	2	1000	1600	670	120	210	32	560	1285	1655	3280	48	2535	810
560L	≥ 4	1000	1600	670	160	300	40	560	1285	1655	3465	48	2625	900

HXR	Poles	AA	AB	AC	BA	BB	HA	D-end bearing	N-end bearing
355L	2	120	700	750	210	886	55	EFZLB 9-80 ¹⁾	EFZLQ 9-80 ¹⁾
355L	≥ 4	120	700	750	210	886	55	EFZLB 9-90	EFZLQ 9-90
400L	2	140	840	840	260	1120	35	EFZLB 9-80 ¹⁾	EFZLQ 9-80 ¹⁾
400L	≥ 4	140	840	840	260	1120	35	EFZLB 9-100	EFZLQ 9-100
450L	2	160	950	940	320	1300	40	EFZLB 9-80 ¹⁾	EFZLQ 9-80 ¹⁾
450L	≥ 4	160	950	940	320	1300	40	EFZLB 9-100 ²⁾	EFZLQ 9-100 ²⁾
500L	2	170	1050	1050	375	1570	45	EFZLB 9-90 ¹⁾	EFZLQ 9-90 ¹⁾
500L	≥ 4	170	1050	1050	375	1570	45	EFZLB 11-100 ²⁾	EFZLQ 9-100 ²⁾
560L	2	230	1170	1190	620	1940	50	EFZLB 14-125 ¹⁾	EFZLQ 14-125 ¹⁾
560L	4, 6	230	1170	1190	620	1940	50	EFZLB 14-125 ²⁾	EFZLQ 14-125 ²⁾
560L	≥ 8	230	1170	1190	620	1940	50	EFZLB 14-140	EFZLQ 14-140

¹⁾ With oil circulation as standard.

²⁾ With oil circulation as standard for 4 poles.

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

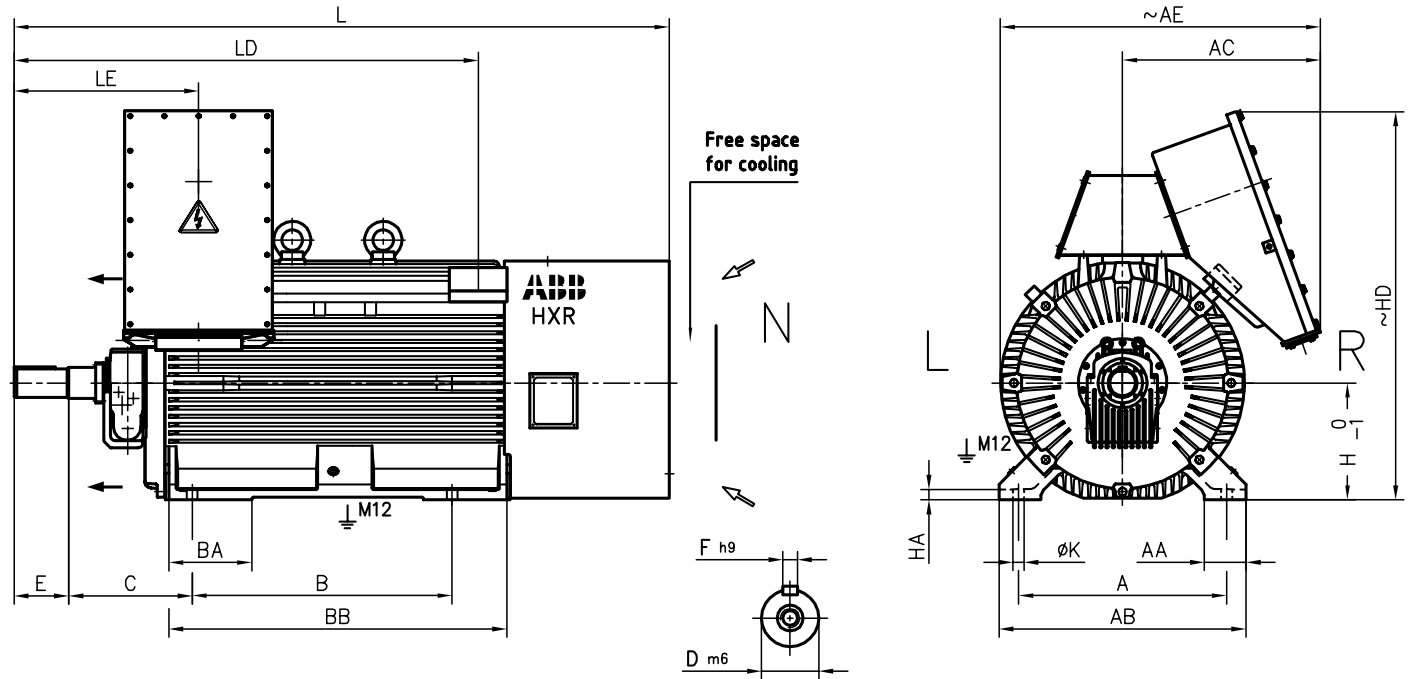
Note! The bearing cannot withstand continuous axial forces.

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

Engineered motors, HXR

Dimension drawings

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



HXR	Poles	A	B	C	D	E	F	H	AE	HD	L	K	LD	LE
450L	2	800	1000	475	80	170	22	450	1235	1495	2390	42	1750	670
450L	≥ 4	800	1000	475	110	210	28	450	1235	1495	2525	42	1790	710
500L	2	900	1250	500	90	170	25	500	1285	1620	2705	42	2025	680
500L	≥ 4	900	1250	500	120	210	32	500	1285	1620	2840	42	2065	720
560L	2	1000	1600	670	120	210	32	560	1365	1780	3280	48	2535	810
560L	≥ 4	1000	1600	670	160	300	40	560	1365	1780	3465	48	2625	900

HXR	Poles	AA	AB	AC	BA	BB	HA	D-end bearing	N-end bearing
450L	2	160	950	940	320	1300	40	EFZLB 9-80 ¹⁾	EFZLQ 9-80 ¹⁾
450L	≥ 4	160	950	940	320	1300	40	EFZLB 9-100 ²⁾	EFZLQ 9-100 ²⁾
500L	2	170	1050	1050	375	1570	45	EFZLB 9-90 ¹⁾	EFZLQ 9-90 ¹⁾
500L	≥ 4	170	1050	1050	375	1570	45	EFZLB 11-100 ²⁾	EFZLQ 9-100 ²⁾
560L	2	230	1170	1190	620	1940	50	EFZLB 14-125 ¹⁾	EFZLQ 14-125 ¹⁾
560L	4, 6	230	1170	1190	620	1940	50	EFZLB 14-125 ²⁾	EFZLQ 14-125 ²⁾
560L	≥ 4	230	1170	1190	620	1940	50	EFZLB 14-140	EFZLQ 14-140

¹⁾ With oil circulation as standard.

²⁾ With oil circulation as standard for 4 poles.

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

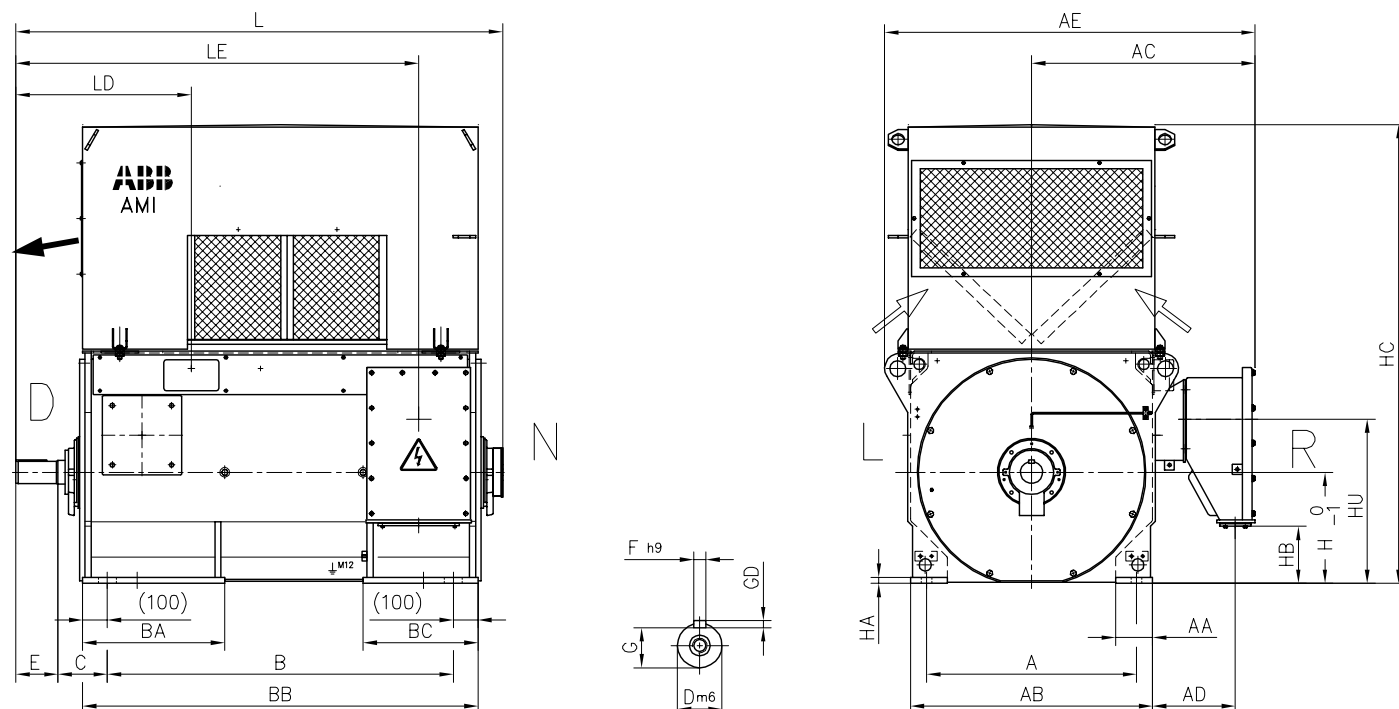
Note! The bearing cannot withstand continuous axial forces.

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

Engineered motors, AMI

Dimension drawings

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



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

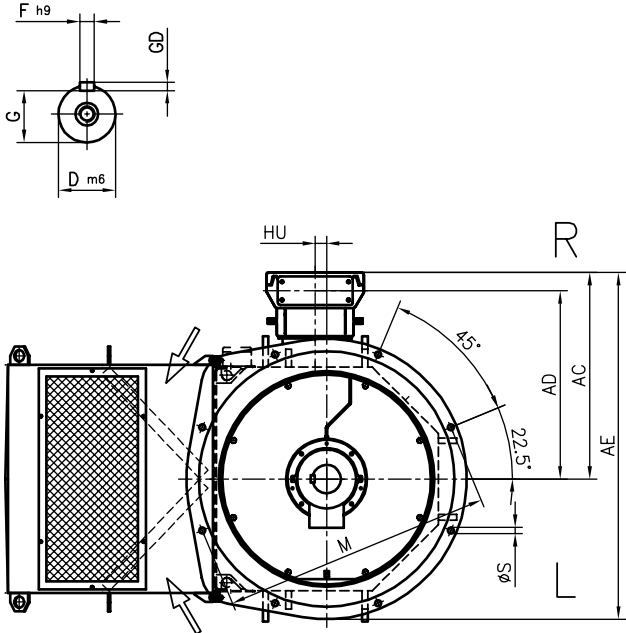
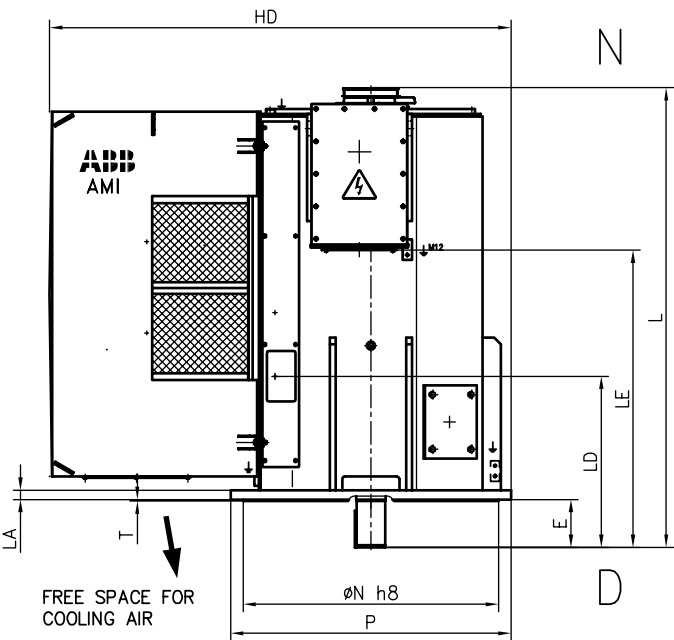
AMI	Poles	AE	BA	BB	BC	GD	HA	HB	HC	LD	LE	HU	D-end bearing	N-end bearing
400L	2	1400	545	1450	445	14	20	130	1710	615	1480	565	6319M/C3	6319M/C3
400L	≥ 4	1400	545	1450	445	16	20	130	1710	655	1520	565	6324/C3	6319/C3
450L	2	1500	575	1600	465	14	25	230	1860	710	1630	665	6319M/C3	6319M/C3
450L	≥ 4	1500	575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

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

Engineered motors, AMI

Dimension drawings

Antifriction bearings, 1 < UN ≤ 6.6 kV, IM 4011, IC01 / IP24W



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

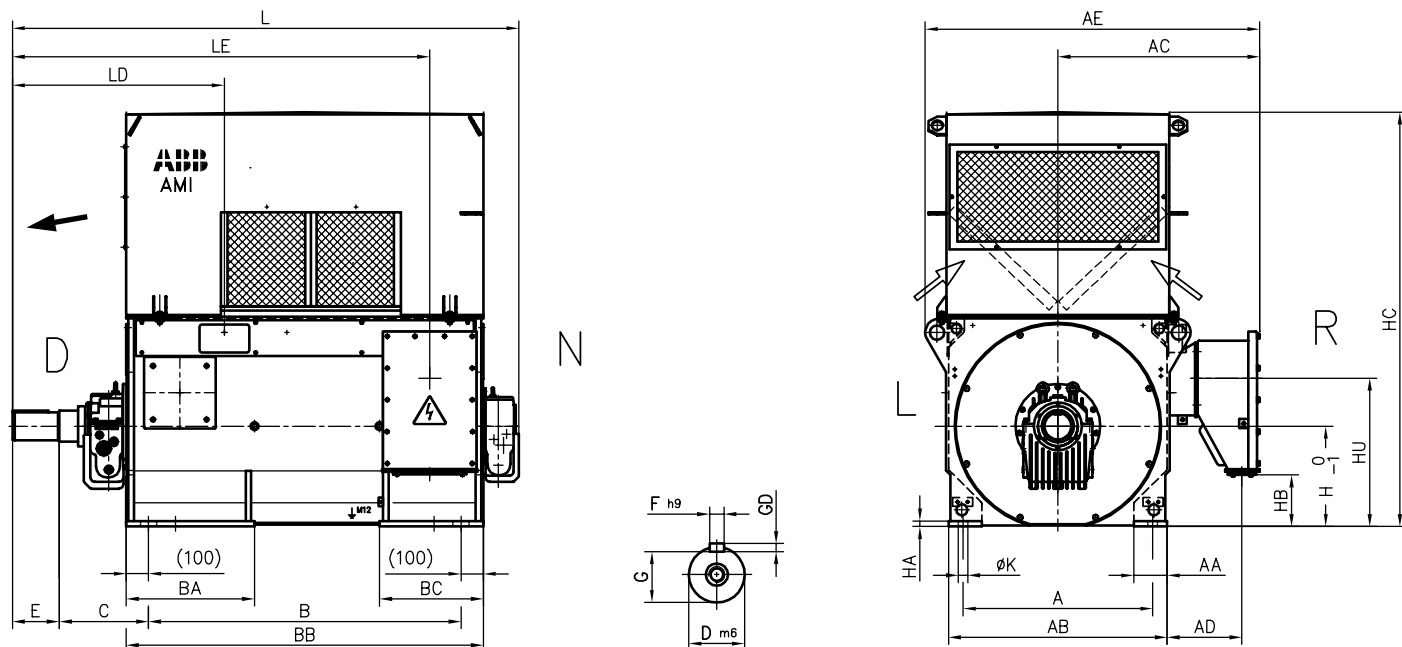
AMI	Poles	T	AC	AD	AE	GD	HU	D-end bearing	N-end bearing
400L	≥ 4	6	855	775	1425	16	50	6324/C3	7319B
450L	≥ 4	7	905	825	1525	18	50	6326/C3	7322B
500L	≥ 4	8	955	875	1645	20	50	6330/C3	7324B
560L	4	10	1355	1210	2155	22	40	6038/C3	7330 B
560L	≥ 6	10	1355	1210	2155	25	40	6038/C3	7330 B
630L	4	10	1455	1310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

Above table gives the main dimensions in mm.
For detailed drawings please see our web-
pages ‘www.abb.com/motors&generators’
or contact ABB.

Engineered motors, AMI

Dimension drawings

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



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

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

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

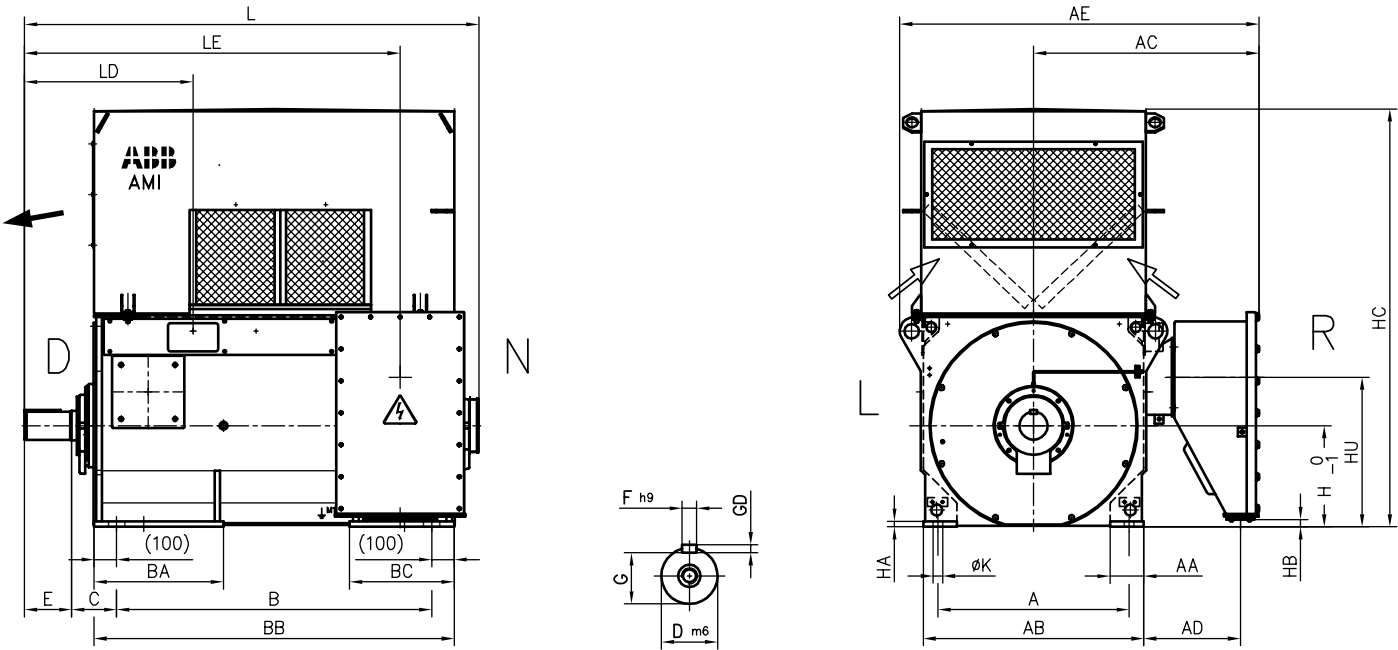
Note! The bearing cannot withstand continuous axial forces.

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

Engineered motors, AMI

Dimension drawings

Antifriction bearings, 6.6 < UN ≤ 11 kV, IM 1001, IC01 / IP24W



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

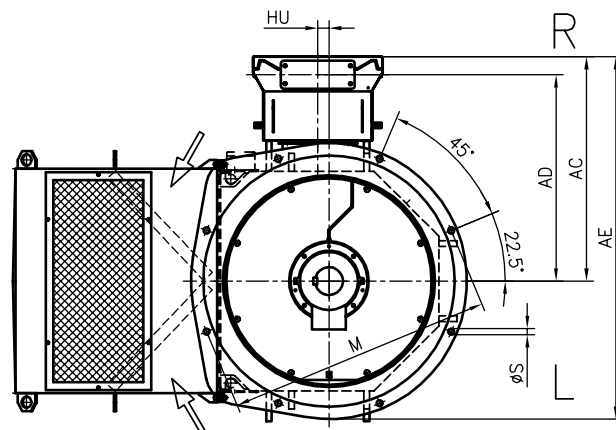
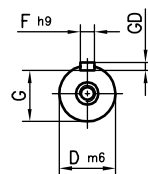
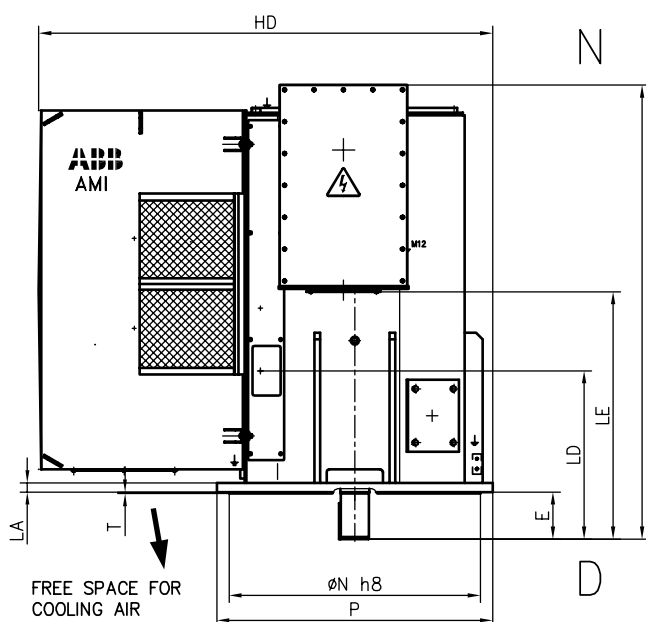
AMI	Poles	AE	BA	BB	BC	GD	HA	HB	HC	LD	LE	HU	D-end bearing		N-end bearing
450L	2	1600	575	1600	465	14	25	35	1860	710	1630	665	6319M/C3		6319M/C3
450L	≥ 4	1600	575	1600	465	18	25	35	1860	750	1670	665	6326/C3		6322/C3
500L	≥ 4	1700	645	1800	495	20	35	135	2060	860	1910	765	6330/C3		6324/C3
560L	≥ 6	2125	400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

Above table gives the main dimensions in mm.
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pages ‘www.abb.com/motors&generators’
or contact ABB.

Engineered motors, AMI

Dimension drawings

Antifriction bearings, $6.6 < UN \leq 11$ kV, IM 4011, IC01 / IP24W



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

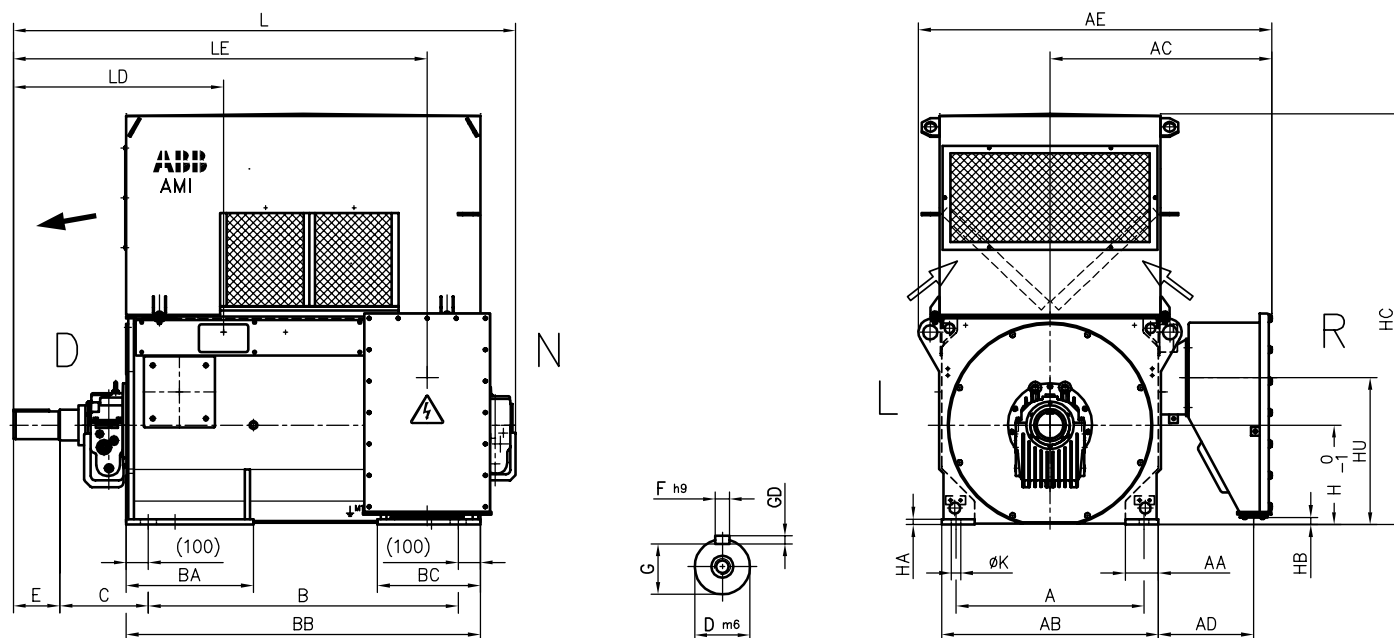
AMI	Poles	T	AC	AD	AE	GD	HU	D-end bearing	N-end bearing
450L	≥ 4	7	1000	920	1620	18	50	6326/C3	7322B
500L	≥ 4	8	1050	970	1740	20	50	6330/C3	7324B
560L	4	10	1340	1215	2140	22	35	6038/C3	7330 B
560L	≥ 6	10	1340	1215	2140	25	40	6038/C3	7330 B
630L	4	10	1445	1315	2345	25	35	6044/C3	7334 B
630L	≥ 6	10	1445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

Above table gives the main dimensions in mm.
For detailed drawings please see our web-
pages 'www.abb.com/motors&generators'
or contact ABB.

Engineered motors, AMI

Dimension drawings

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



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

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

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

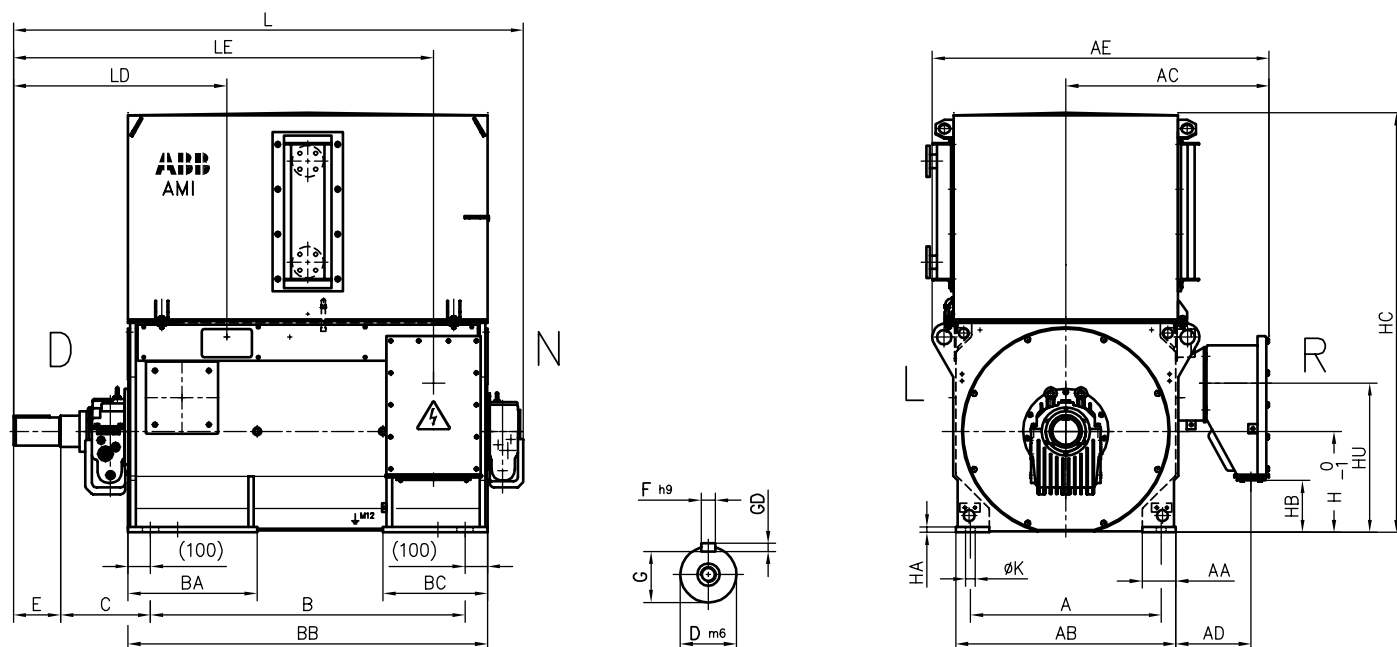
Note! The bearing cannot withstand continuous axial forces.

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

Engineered motors, AMI

Dimension drawings

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



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

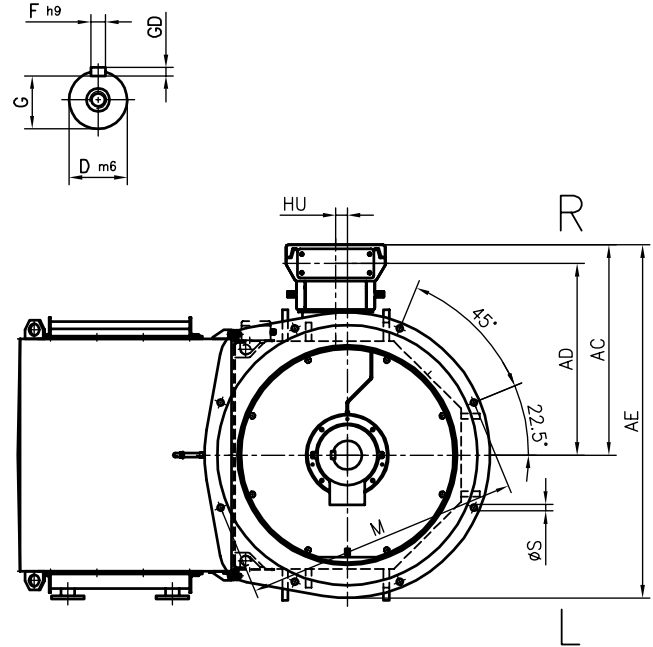
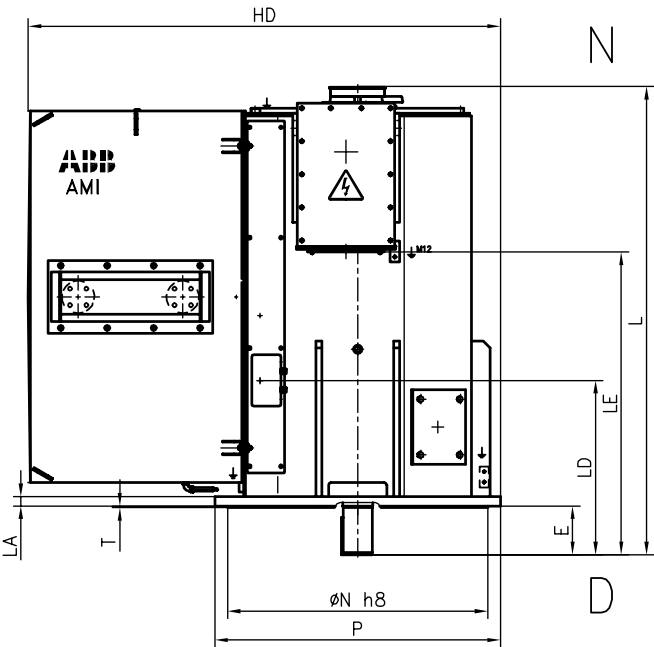
AMI	Poles	AE	BA	BB	BC	GD	HA	HB	HC	LD	LE	HU	D-end bearing	N-end bearing
400L	2	1400	545	1450	445	14	20	130	1670	615	1480	565	6319M/C3	6319M/C3
400L	≥ 4	1400	545	1450	445	16	20	130	1670	655	1520	565	6324/C3	6319/C3
450L	2	1500	575	1600	465	14	25	230	1870	710	1630	665	6319M/C3	6319M/C3
450L	≥ 4	1500	575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

Above table gives the main dimensions in mm.
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pages 'www.abb.com/motors&generators'
or contact ABB.

Engineered motors, AMI

Dimension drawings

Antifriction bearings, 1 < UN ≤ 6.6 kV, IM 4011, IC81W / IP55



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

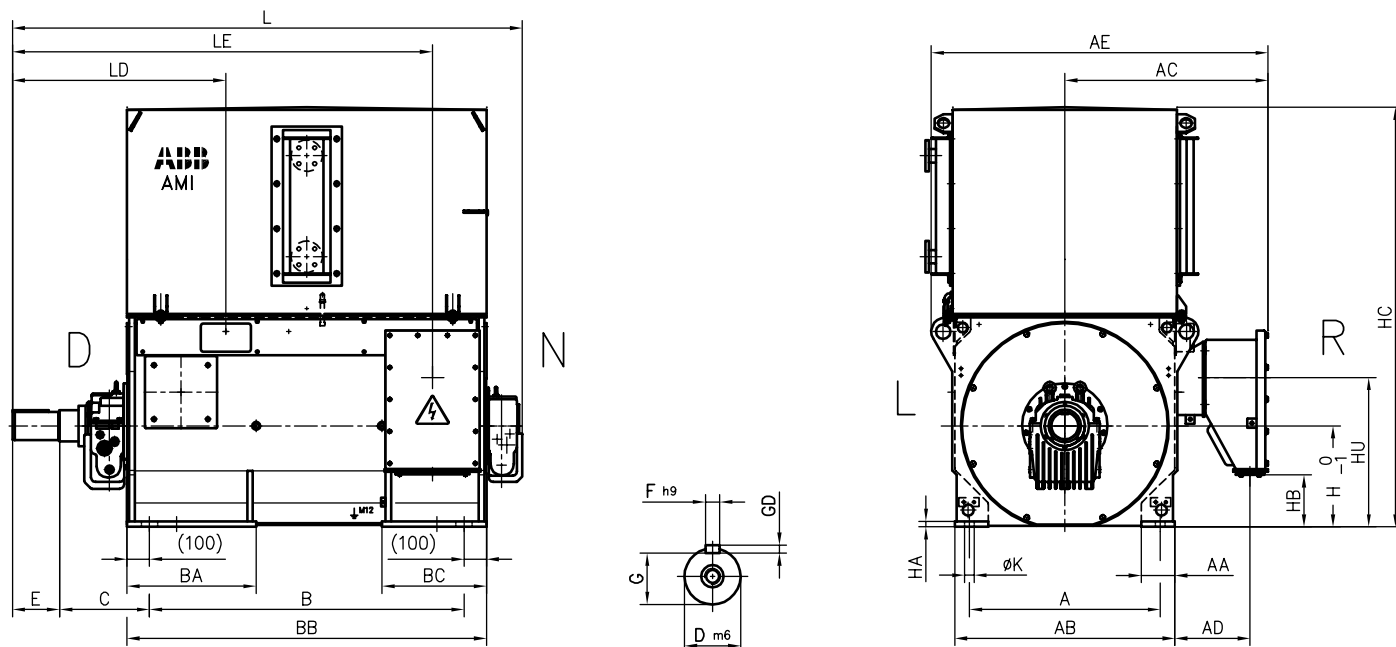
AMI	Poles	T	AC	AD	AE	GD	HU	D-end bearing	N-end bearing
400L	≥ 4	6	855	775	1425	16	50	6324/C3	7319B
450L	≥ 4	7	905	825	1525	18	50	6326/C3	7322B
500L	≥ 4	8	955	875	1645	20	50	6330/C3	7324B
560L	4	10	1360	1215	2160	22	40	6038/C3	7330 B
560L	≥ 6	10	1360	1215	2160	25	40	6038/C3	7330 B
630L	4	10	1455	1310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

Above table gives the main dimensions in mm.
For detailed drawings please see our web-
pages 'www.abb.com/motors&generators'
or contact ABB.

Engineered motors, AMI

Dimension drawings

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



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

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

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

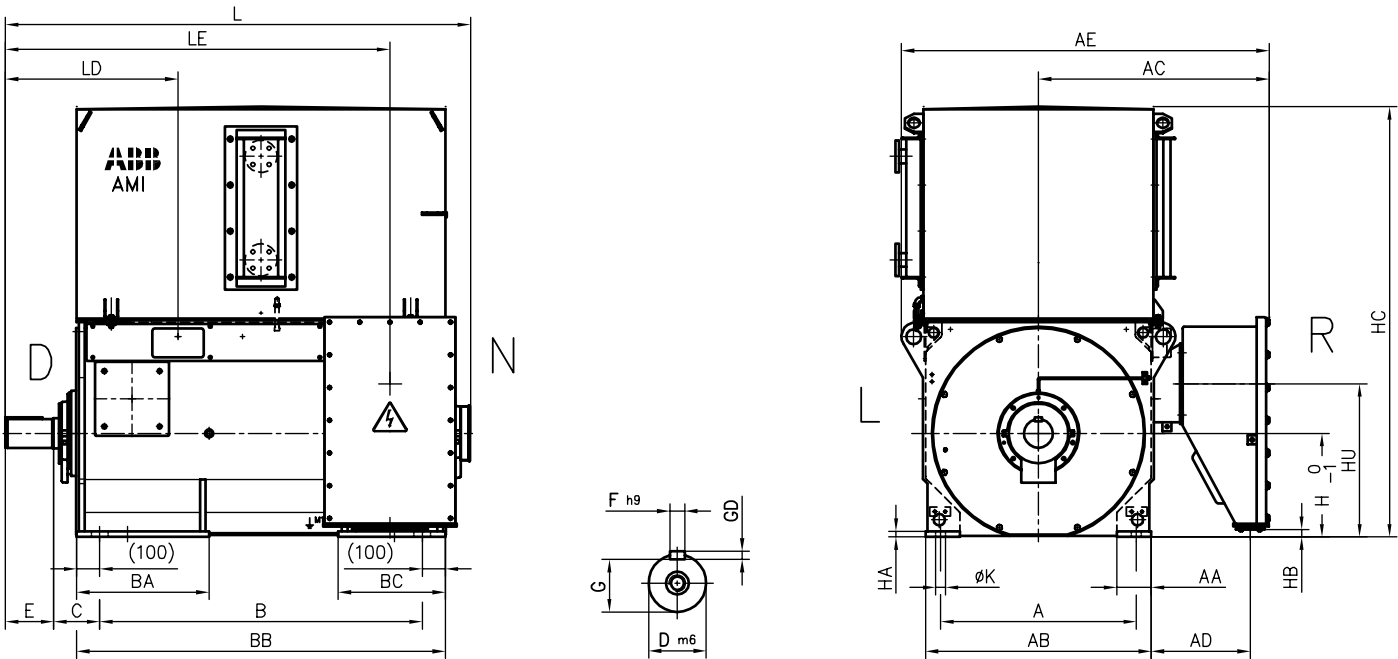
Note! The bearing cannot withstand continuous axial forces.

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

Engineered motors, AMI

Dimension drawings

Antifriction bearings, 6.6 < UN ≤ 11 kV, IM 1001, IC81W / IP55



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

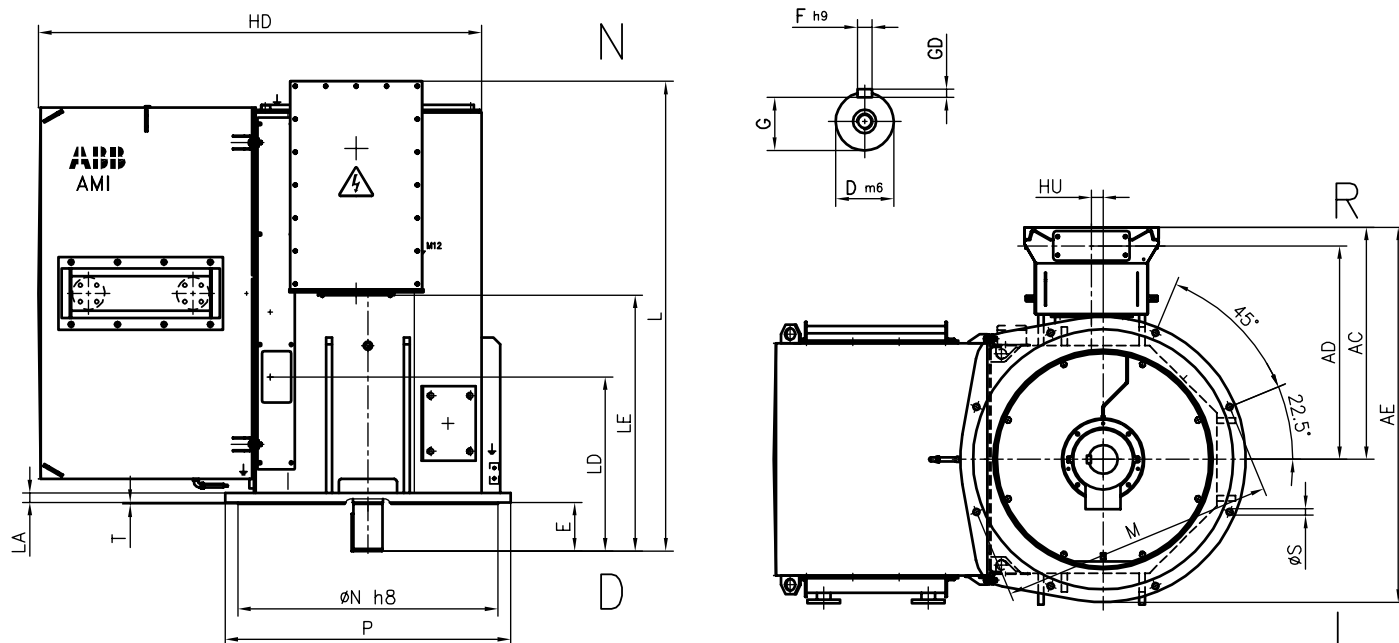
AMI	Poles	AE	BA	BB	BC	GD	HA	HB	HC	LD	LE	HU	D-end bearing	N-end bearing
450L	2	1600	575	1600	465	14	25	35	1870	710	1630	665	6319M/C3	6319M/C3
450L	≥ 4	1600	575	1600	465	18	25	35	1870	750	1670	665	6326/C3	6322/C3
500L	≥ 4	1700	645	1800	495	20	35	135	2070	860	1910	765	6330/C3	6324/C3
560L	≥ 6	2125	400	2230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

Above table gives the main dimensions in mm.
For detailed drawings please see our web-
pages ‘www.abb.com/motors&generators’
or contact ABB.

Engineered motors, AMI

Dimension drawings

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



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

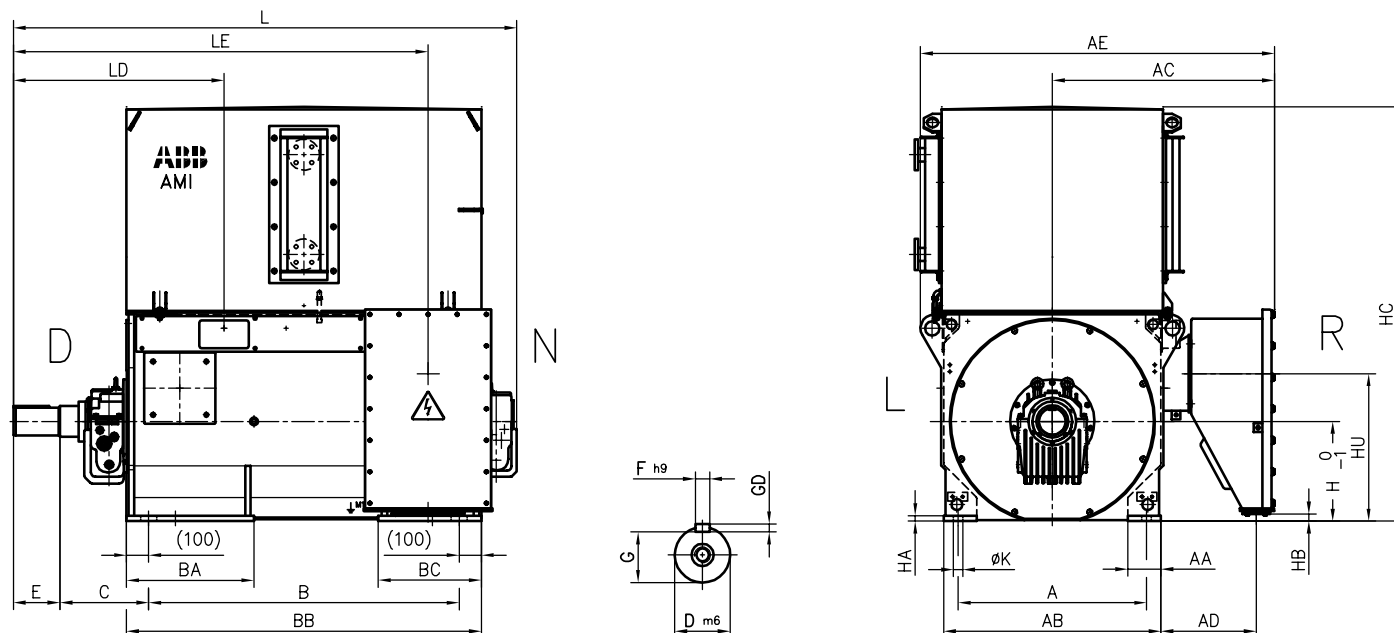
AMI	Poles	T	AC	AD	AE	GD	HU	D-end bearing	N-end bearing
450L	≥ 4	7	1000	920	1620	18	50	6326/C3	7322B
500L	≥ 4	8	1050	970	1740	20	50	6330/C3	7324B
560L	4	10	1350	1210	2150	22	40	6038/C3	7330 B
560L	≥ 6	10	1350	1220	2150	25	40	6038/C3	7330 B
630L	4	10	1440	1315	2345	25	35	6044/C3	7334 B
630L	≥ 6	10	1445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

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

Engineered motors, AMI

Dimension drawings

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



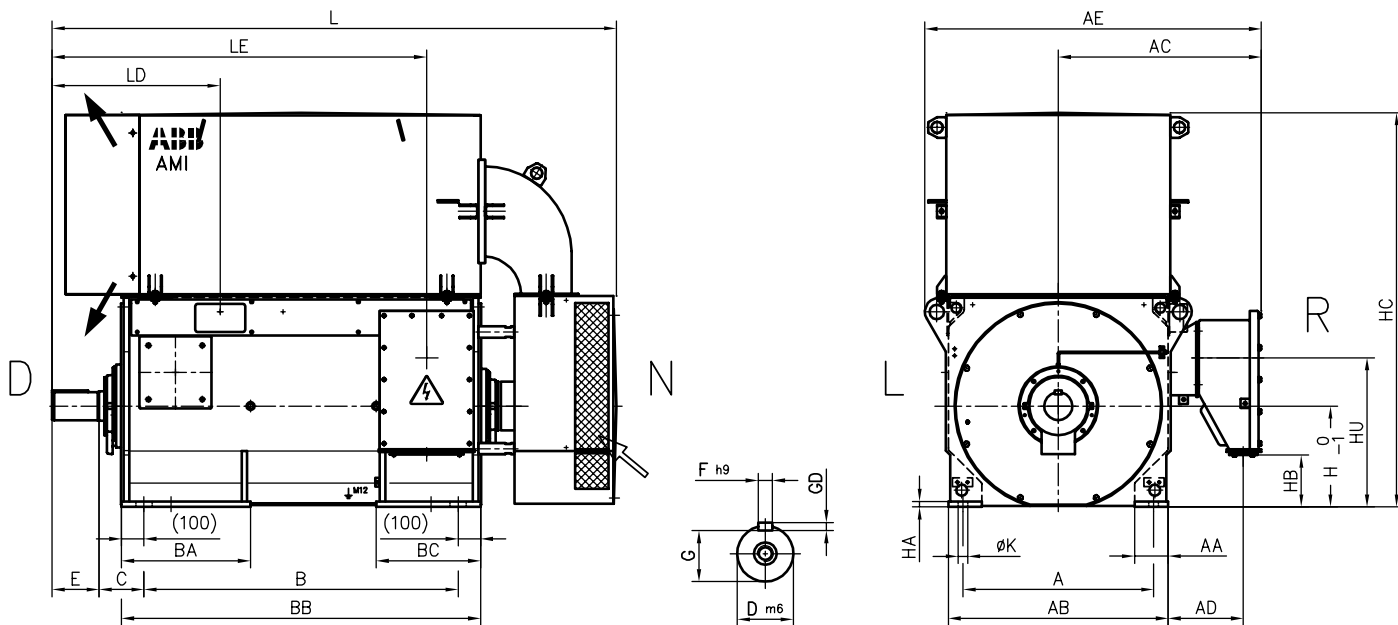
AMI	Poles	A	B	C	D	E	F	G	H	K	L	AA	AB	AC	AD	AE	BA
450L	2	850	1400	375	90	170	25	81	450	42	2215	150	980	1005	430	1600	575
450L	≥ 4	850	1400	400	125	210	32	114	450	42	2275	150	980	1005	430	1600	575
500L	2	950	1600	375	110	210	28	100	500	42	2485	150	1080	1055	430	1700	645
500L	≥ 4	950	1600	450	140	250	36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

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

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

Engineered motors, AMI
Dimension drawings

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



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

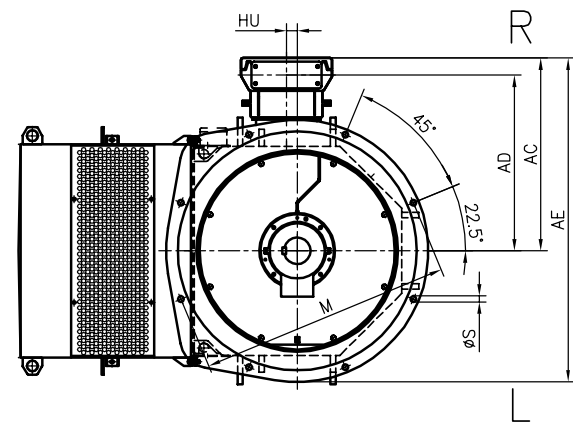
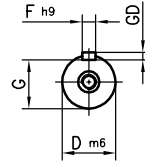
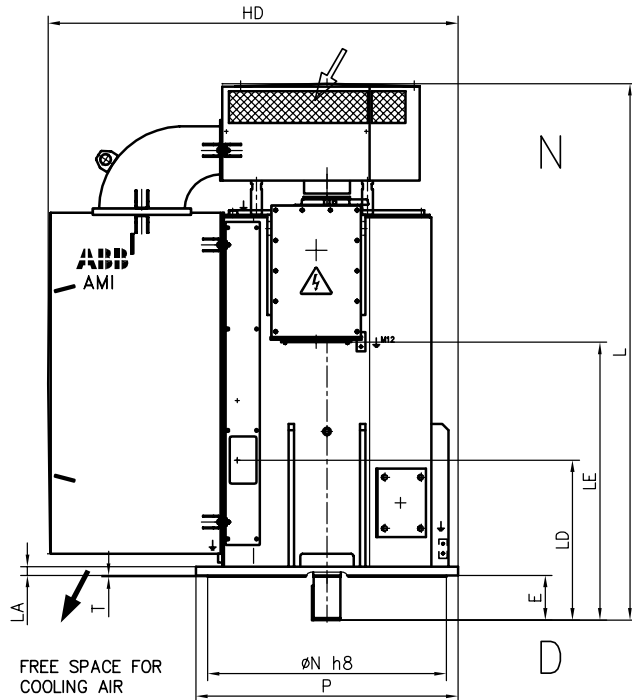
AMI	Poles	AE	BA	BB	BC	GD	HA	HB	HC	LD	LE	HU	D-end bearing	N-end bearing
400L	2	1400	545	1450	445	14	20	130	1590	615	1480	565	6319M/C3	6319M/C3
400L	≥ 4	1400	545	1450	445	16	20	130	1590	655	1520	565	6324/C3	6319/C3
450L	2	1500	575	1600	465	14	25	230	1760	710	1630	665	6319M/C3	6319M/C3
450L	≥ 4	1500	575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

Above table gives the main dimensions in mm.
For detailed drawings please see our web-
pages 'www.abb.com/motors&generators'
or contact ABB.

Engineered motors, AMI

Dimension drawings

Antifriction bearings, $1 < UN \leq 6.6$ kV, IM 4011, IC611 / IP55



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

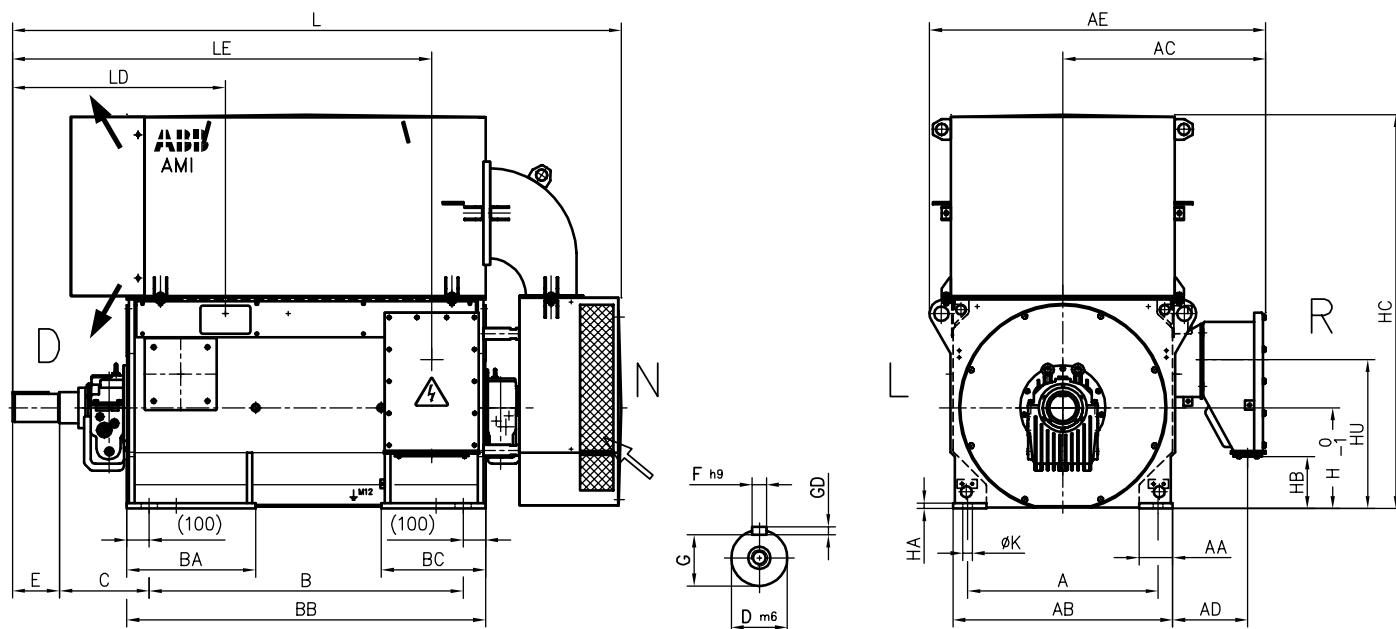
AMI	Poles	T	AC	AD	AE	GD	HU	D-end bearing	N-end bearing
400L	≥ 4	6	855	775	1425	16	50	6324/C3	7319B
450L	≥ 4	7	905	825	1525	18	50	6326/C3	7322B
500L	≥ 4	8	955	875	1645	20	50	6330/C3	7324B
560L	4	10	1360	1215	2160	22	40	6038/C3	7330 B
560L	≥ 6	10	1360	1215	2160	25	40	6038/C3	7330 B
630L	4	10	1455	1310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

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

Engineered motors, AMI

Dimension drawings

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



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

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

¹⁾ With oil circulation as standard.

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

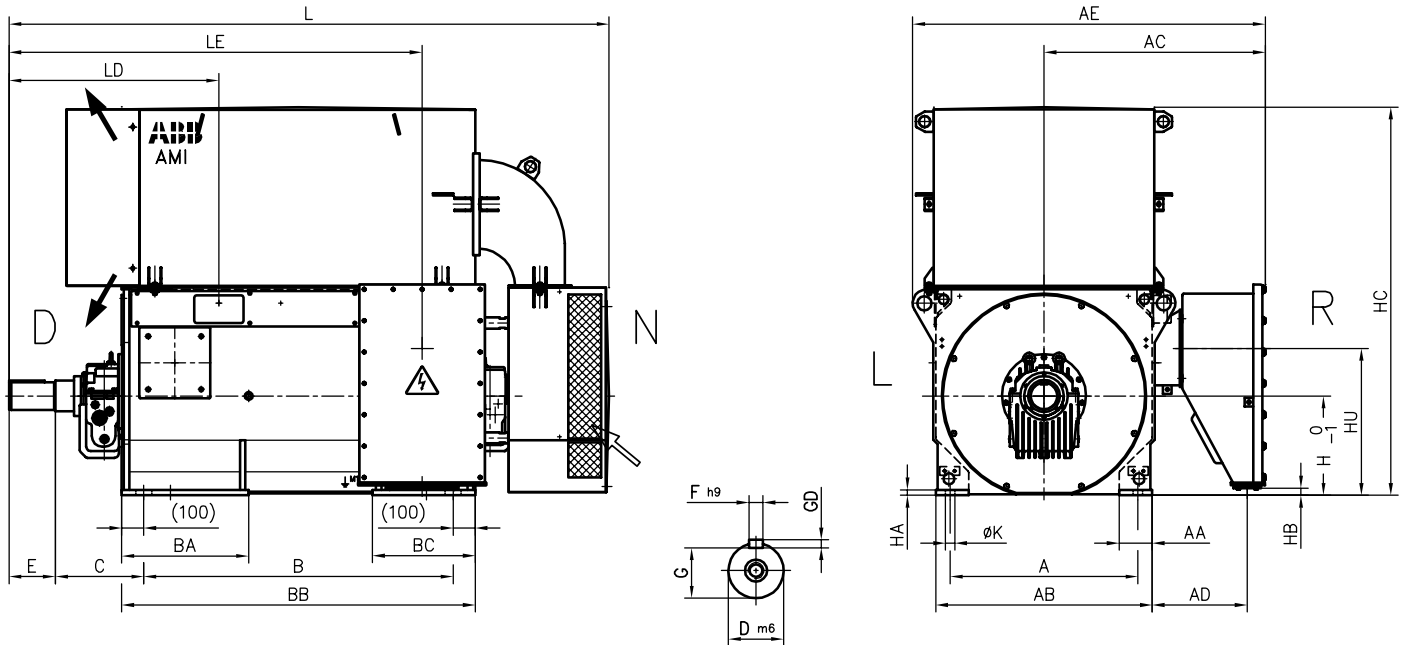
Note! The bearing cannot withstand continuous axial forces.

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

Engineered motors, AMI

Dimension drawings

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



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

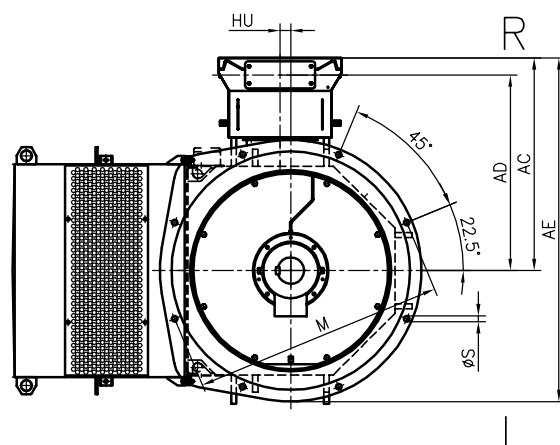
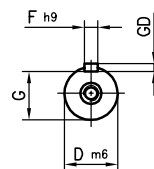
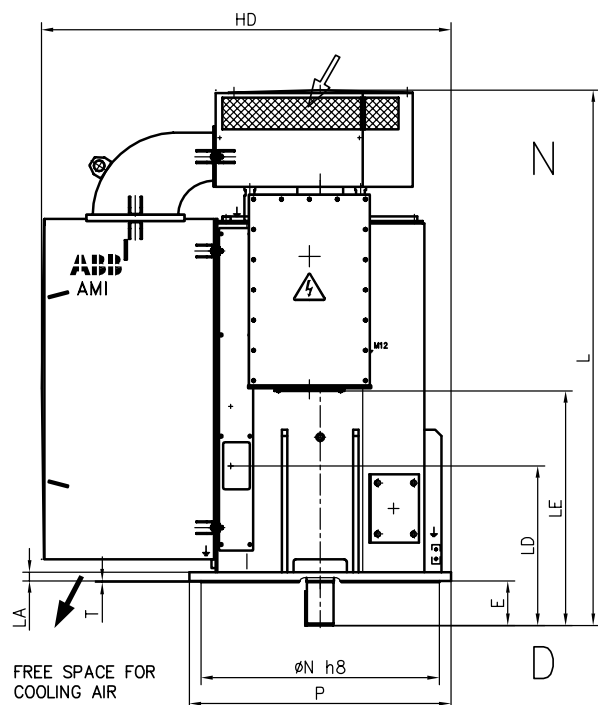
AMI	Poles	AE	BA	BB	BC	GD	HA	HB	HC	LD	LE	HU	D-end bearing	N-end bearing
450L	2	1600	575	1600	465	14	25	35	1760	710	1630	665	6319M/C3	6319M/C3
450L	≥ 4	1600	575	1600	465	18	25	35	1760	750	1670	665	6326/C3	6322/C3
500L	≥ 4	1700	645	1800	495	20	35	135	1960	860	1910	765	6330/C3	6324/C3
560L	≥ 6	2125	400	2230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

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

Engineered motors, AMI

Dimension drawings

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



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

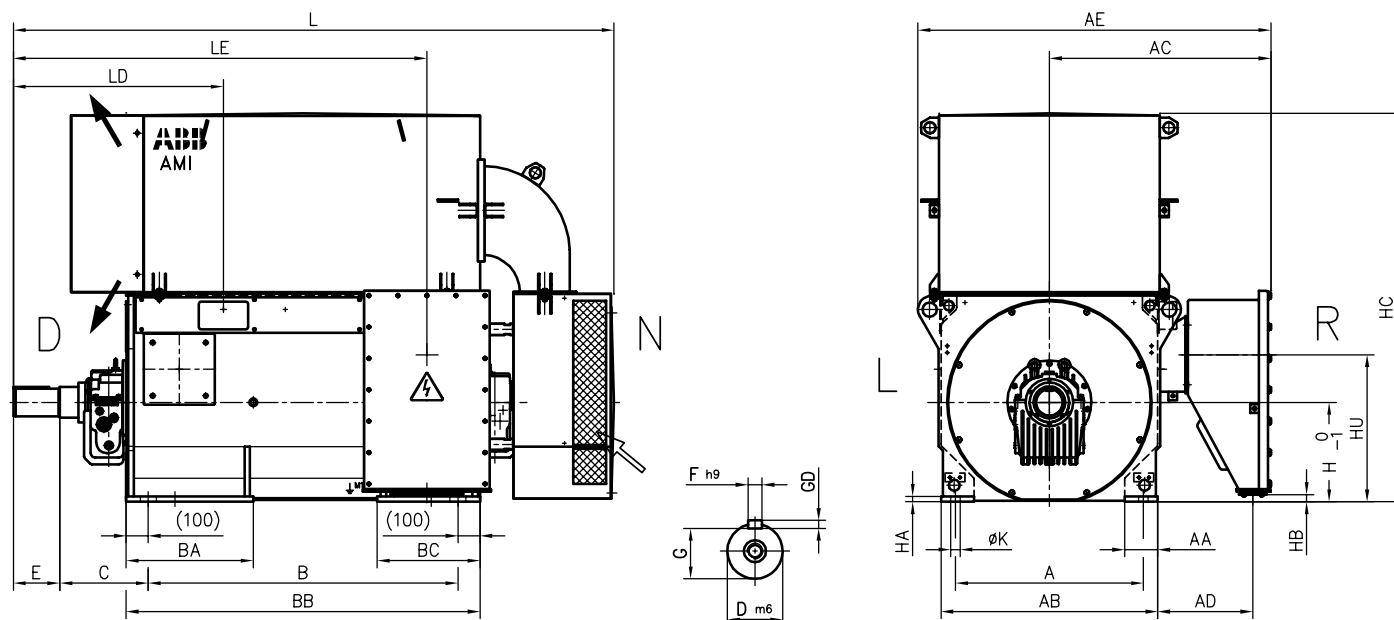
AMI	Poles	T	AC	AD	AE	GD	HU	D-end bearing	N-end bearing
450L	≥ 4	7	1000	920	1620	18	50	6326/C3	7322B
500L	≥ 4	8	1050	970	1740	20	50	6330/C3	7324B
560L	4	10	1350	1220	2150	22	40	6038/C3	7330 B
560L	≥ 6	10	1350	1220	2150	25	40	6038/C3	7330 B
630L	4	10	1445	1315	2345	25	35	6044/C3	7334 B
630L	≥ 6	10	1445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

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

Engineered motors, AMI

Dimension drawings

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



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

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

¹⁾ With oil circulation as standard.

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

Note! The bearing cannot withstand continuous axial forces.

Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages 'www.abb.com/motors&generators' or contact ABB.

[illegible]

Total offer of motors, generators and mechanical power transmission products with a complete portfolio of services

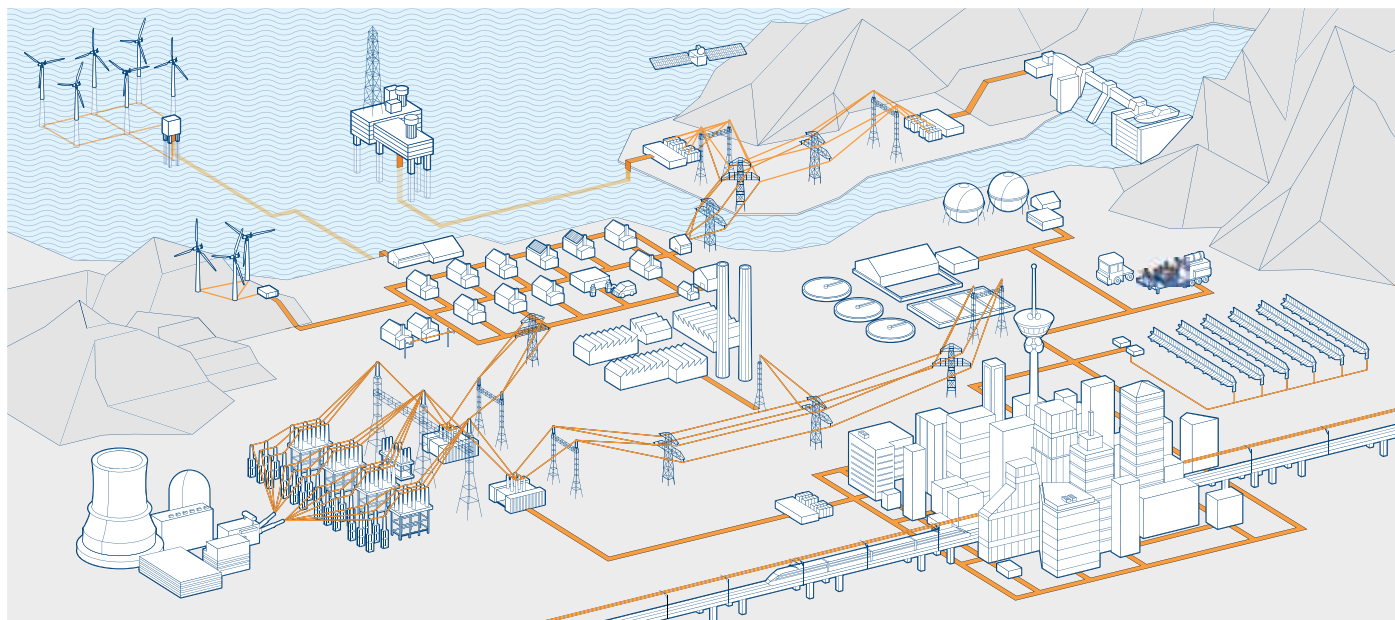


ABB is the leading manufacturer of low, medium and high voltage motors and generators, mechanical power transmission products with an offering of a complete portfolio of services. Our in-depth knowledge of virtually every type of industrial processing ensures we always specify the best solution for your needs.

Low and high voltage IEC induction motors

- Process performance motors
- General performance motors
- High voltage cast iron motors
- Induction modular motors
- Slip-ring modular motors
- Synchronous reluctance motors

Low and medium voltage NEMA motors

- Steel frame open drip proof (ODP) motors
- Weather protected, water cooled, fan ventilated

- Cast iron frame (TEFC)
- Air to air cooled (TEAAC) motors

Motors and generators for explosive atmospheres

- IEC and NEMA motors and generators, for all protection types

Synchronous motors

Synchronous generators

- Synchronous generators for diesel and gas engines
- Synchronous generators for steam and gas turbines

Wind power generators

Generators for small hydro

Other motors and generators

- Brake motors
- DC motors and generators
- Gear motors
- Marine motors and generators
- Single phase motors
- Motors for high ambient temperatures

- Permanent magnet motors and generators
- High speed motors
- Smoke extraction motors
- Wash down motors
- Water cooled motors
- Generator sets
- Roller table motors
- Servo motors
- Traction motors

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- Spare parts
- Diagnosis
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Mechanical power transmission components, bearings, gears

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Motors and Generators

> Motors

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>>> Cast Iron Motors, HXR

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>>> Induction Motors, Modular

The screenshot shows the ABB website's 'Motors and Generators' section. The header includes the ABB logo and navigation links like 'Home', 'About ABB', 'Products & services', 'News center', 'Careers', and 'Investor relations'. A secondary navigation bar lists 'Offerings A-Z', 'ABB Product Guide', 'Industries and utilities', 'Service Guide', and 'Contact Directory'. The main content area is titled 'Motors and Generators' and features a large image of a motor with the text 'Energy efficiency. Full offer from ABB'. Below this, a paragraph describes ABB's comprehensive range of reliable and high efficiency motors and generators. A link to 'ABB completes acquisition of Baldor Electric Company' is provided. The 'Our offering' section is organized into two columns of icons and text: Low Voltage Motors, High Voltage Induction Motors, Motors and Generators for Explosive Atmospheres, Traction motors and generators, DC Motors, Servomotors, Wind Power Generators, Synchronous Generators, Synchronous Motors, VSD synchronous motor and drive package, and Service. The right sidebar contains a search bar, a 'Products & Services only' checkbox, a 'Rate this page' link, a 'Share this page' link, 'Your preferences' (United Kingdom, English), 'ABB contact for United Kingdom' (Derek Robinson), and a 'Downloads' section with a link to 'Motors and Generators'.

The screenshot shows the ABB website's 'High Voltage Induction Motors' page. The header and navigation bars are identical to the previous screenshot. The main content area is titled 'High Voltage Induction Motors' and features a large image of a motor with the text 'The broad range of high voltage AC induction motors consists of cast iron fan cooled motors, modular welded frame motors with different cooling options and modular slip ring motors. Each motor is designed individually to meet all requirements of the specific application.' Below this, the 'Our offering' section is organized into three columns of icons and text: Cast Iron IEC Motors (IEC sizes 355 to 560, 100 to 2250 kW), NEMA Motors (NEMA sizes 506AT to 728, 150 to 950 HP), Slip Ring Modular Motors (IEC sizes 400 to 1120, 300 to 19 000 kW), Modular induction Motors (IEC sizes 400 to 1000, 140 to 22 500 kW), and Process Performance Cast Iron Motors (IEC sizes 315 to 450, 110 to 750 kW). The right sidebar is identical to the previous screenshot, but the 'Downloads' section now has a link to 'High Voltage Induction Motors'.

Contact us

www.abb.com/motors&generators

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