GREEN SPARK AUTOMATION
Solutions for a Better Tomorrow
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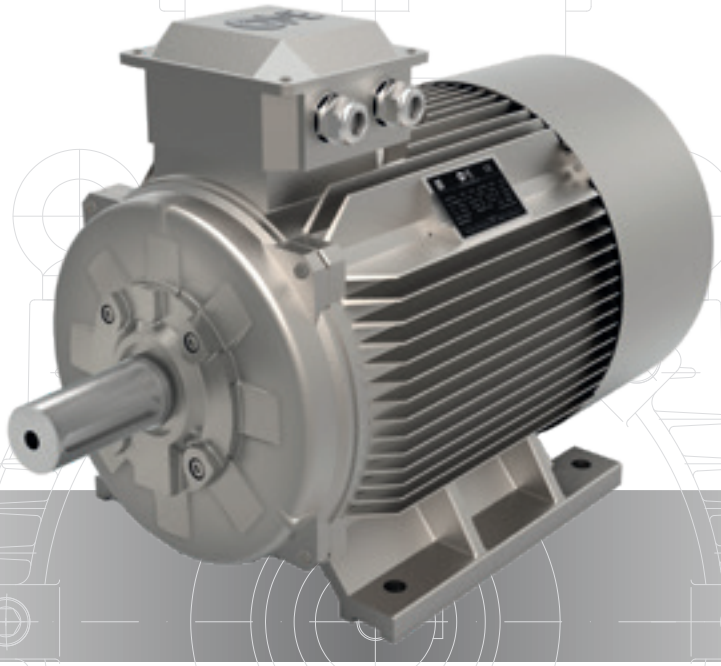
32 Ganapathy Pudhur, Ganapathy 3rd Street, Coimbatore, Tamil Nadu - 641006
GSTIN: 33ABEFG6306Q1Z5 | PAN: ABEFG6306Q
Email: sales@greensparkautomation.com |info@greensparkautomation.com | Mob: 93154 34031 / 94437 94493

OM

STANDARD SERIES

THREE PHASE ELECTRIC MOTOR LOW VOLTAGE

www.omemotors.com



ISO14000 ISO9001

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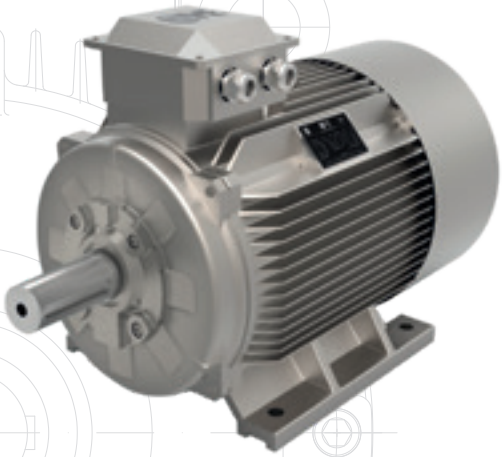
STANDARD SERIES

THREE PHASE ELECTRIC MOTOR LOW VOLTAGE

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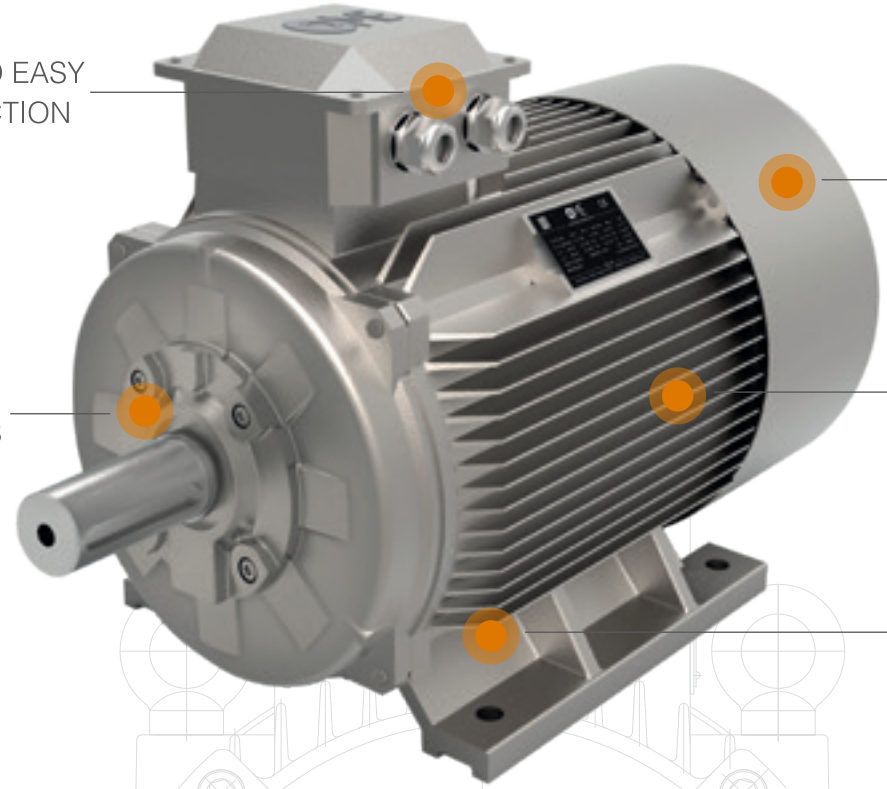


ALLUMINIUM BODY



CAST IRON BODY

STANDARD SERIES
THREE PHASE ELECTRIC MOTOR LOW VOLTAGE



High efficiency • Reliability • Long life • Easy Manutenction

- As a product from the Orsatti Group, our electric motors are produced using the latest technical knowledge. Our continuous development leads to the highest attainable quality and efficiency in electric motors.

- Our extensive network of European distribution partners guarantees local availability, short delivery times, ample stock and excellent service.

OM Electric Motors

OM Electric Motors are the answer to the demand for robust electric motors that meet European standards and at the same time are available at a very favorable price at an extensive network of European distributors.

- High quality components including durable seals, high quality cable glands and SKF bearings. Thanks to their high quality, OM electric motors have a longer lifetime than comparable products.

High quality production



- In addition to a solid interior, OM also pays exceptional care and attention to the exterior of its electric motors. This results in a visually appealing product.

Modern design



- Superior packaging that provides optimal protection during transport and makes carrying easier thanks to an ergonomic design.

Superior packaging



OM Electric Motors and Orsatti Group

Orsatti Group is an innovation network of European partners that offers high quality industrial drive systems and components.
By joining forces, Orsatti Group makes the way larger enterprises work available to smaller companies.

Central to this is international excellence, networks and growth. Orsatti Group is further characterized by:

- High quality in production, sales, service and maintenance
- Smart and cost efficient logistics organization
- Large EU stock with short delivery times thanks to the extensive European distribution network
- Very favorable price-to-quality ratio for all OM motor types
- R&D, testing, prototyping and integration in drive systems
- Knowledge sharing and exchange of strategic information between all partners
- Customer-specific electric motor and drive solutions

MISSION

Our mission is to be competitive as a chain of drive partners.

VISION

Our vision is to create a fairer playing field in the industry.
By allowing smaller players to have the same strength and capabilities as the larger companies, we want to increase the competitiveness of the smaller firms.

VALUES

- Enterprising and transparent cooperation
- Sharing = multiplying: share costs, risks, knowledge and strategic information to be more efficient and profitable
- Innovating development and production

STANDARDS AND REGULATIONS

General specifications for rotating electrical machines	IEC 60034-1 IEC 60085	DIN EN 60034-1
Specifications of the losses and efficiency of rotating electrical machines	IEC 60034-2	DIN EN 60034-2
Asynchronous AC motors for general use with standardized dimensions and outputs	IEC 60072	DIN EN 50347
Restart caracteristics for rotating electrical machines	IEC 60034-12	DIN EN 60034-12
Terminal designations and direction of rotation for rotating electrical machines	IEC 60034-8	DIN EN 60034-8
Designation for type of construction, installation and terminal box position	IEC 60034-7	DIN EN 60034-7
Entry to terminal box	-	DIN 42925
Built-in thermal protection	IEC 60034-11	DIN EN 60034-11
Noise limit values for rotating electrical machines	IEC 60034-9	DIN EN 60034-9
IEC standard voltages	IEC 60038	DIN IEC 60038
Cooling methods for rotating electrical machines	IEC 60034-6	DIN EN 60034-6
Vibration severity of rotating electrical machines	IEC 60034-14	DIN EN 60034-14
Vibration limits	-	DIN ISO 10816-3
Degrees of protection of rotating electrical machines	IEC 60034-5	DIN EN 60034-5

The motors comply with the appropriate standards and regulations, especially those listed in the table above in relevant parts.

OVERVIEW OF THE PRODUCT

VOLTAGE AND FREQUENCY

The tolerances of voltage and frequency of the power line are regulated by EN 60034-1. In range A a combination of voltage difference (±5%) and frequency difference (±2%) is acceptable. In range B a not combination of voltage difference (±10%) and frequency difference (+3%/-5%) is acceptable. The motors are marked with the rated voltage according to EN 60034-1. 230V/400V 50Hz or 265V/460V 60Hz - 400V/690V 50Hz or 460V/795V 60Hz

INSULATION

All motors are produced with class F insulation. In rated power and line operation the motors are working in class is B. Windings have tropicalized insulation

POWER

The nominal power is referred to continuous duty in accordance with DIN EN 60034-1 at a frequency of 50 Hz, a coolant temp. of 40°C and an altitude up to 1000m above sea level.

DEGREE OF PROTECTION

All motors are in protection class IP55 in accordance with DIN EN 60529. All motor types with driving-end direction to the bottom (i.e.V1) shall be ordered with protection hood.

DESIGN OF HOUSING

The Type OM is made of Aluminium-die-casting. The type OM is made of cast iron. The terminal box mounted on top at all B3-motors. At the SA types the position is variable. The motors of the OM types with a size of 56 till 132 have removable feet which can also be fixed on the side.

MECHANICAL BALANCE QUALITY

All rotors are balanced with half key inserted in the shaft. The vibration severity grade is A (normal), according to DIN EN 6034-14. Referring to DIN ISO 8821 the balancing with half inserted key in the shaft is required.

BEARINGS

All motors are fitted with high quality, lifetime-lubricated bearings from the manufacturer SKF.
The nominal rating life of the bearings used in horizontal mounted motors without any axial load is 40.000 operating hours, for Power take-off via shaft-coupling. Under the use of maximal load the lifetime of the bearings is min. 20.000 operating hours.
From framesize 250 all motors have open bearings and lubrication devices.

The lubrication intervals are in this catalogue. Option: reinforced bearings.

Frame size	Poles	horizontal (B3)		vertical (B5)	
		AS I DE	NS I NDE	AS I DE	NS I NDE
63	2/4/6/8	6201 2RS/C3		6201 2RS/C3	
71	2/4/6/8	6202 2RS/C3		6202 2RS/C3	
80	2/4/6/8	6204 2RS/C3		6204 2RS/C3	
90	2/4/6/8	6205 2RS/C3		6205 2RS/C3	
100	2/4/6/8	6206 2RS/C3		6206 2RS/C3	
112	2/4/6/8	6306 2RS/C3		6306 2RS/C3	
132	2/4/6/8	6308 2RS/C3		6308 2RS/C3	
160	2/4/6/8	6309 2RS/C3		6309 2RS/C3	
180	2/4/6/8	6311 2RS/C3		6311 2RS/C3	
200	2/4/6/8	6312 2RS/C3		6312 2RS/C3	
225	2	6312 2RS/C3		6312 2RS/C3	
	4/6/8	6313 2RS/C3		6313 2RS/C3	
250	2	6314/C3		6314/C3	7314B
	4/6/8	6314/C3		6314/C3	7314B
280	2	6316/C3		6316/C3	7316B
	4/6/8	6316/C3		6316/C3	7316B
315	2	NU316E/C3	6316/C3	6316/C3	7316B
	4/6/8	NU319E/C3	6319/C3	6319/C3	7319B
355	2	NU319E/C3	6319/C3	6319/C3	7319B
	4/6/8	NU322E/C3	6322/C3	6322/C3	7322B

COOLING AND VENTILATION

The motors are equipped with radial-flow-fans made of plastic or aluminium, which cools the motor independently of the direction of the rotating (IC 411 according to DIN EN 60034-6). The fan covers are made of sheet-steel.

COLOUR

Standard coating colour is RAL 7030 (stone grey). The coating is qualified for climate-group moderate according to IEC-Publication 721-2-1 for indoor- and outdoor installation.

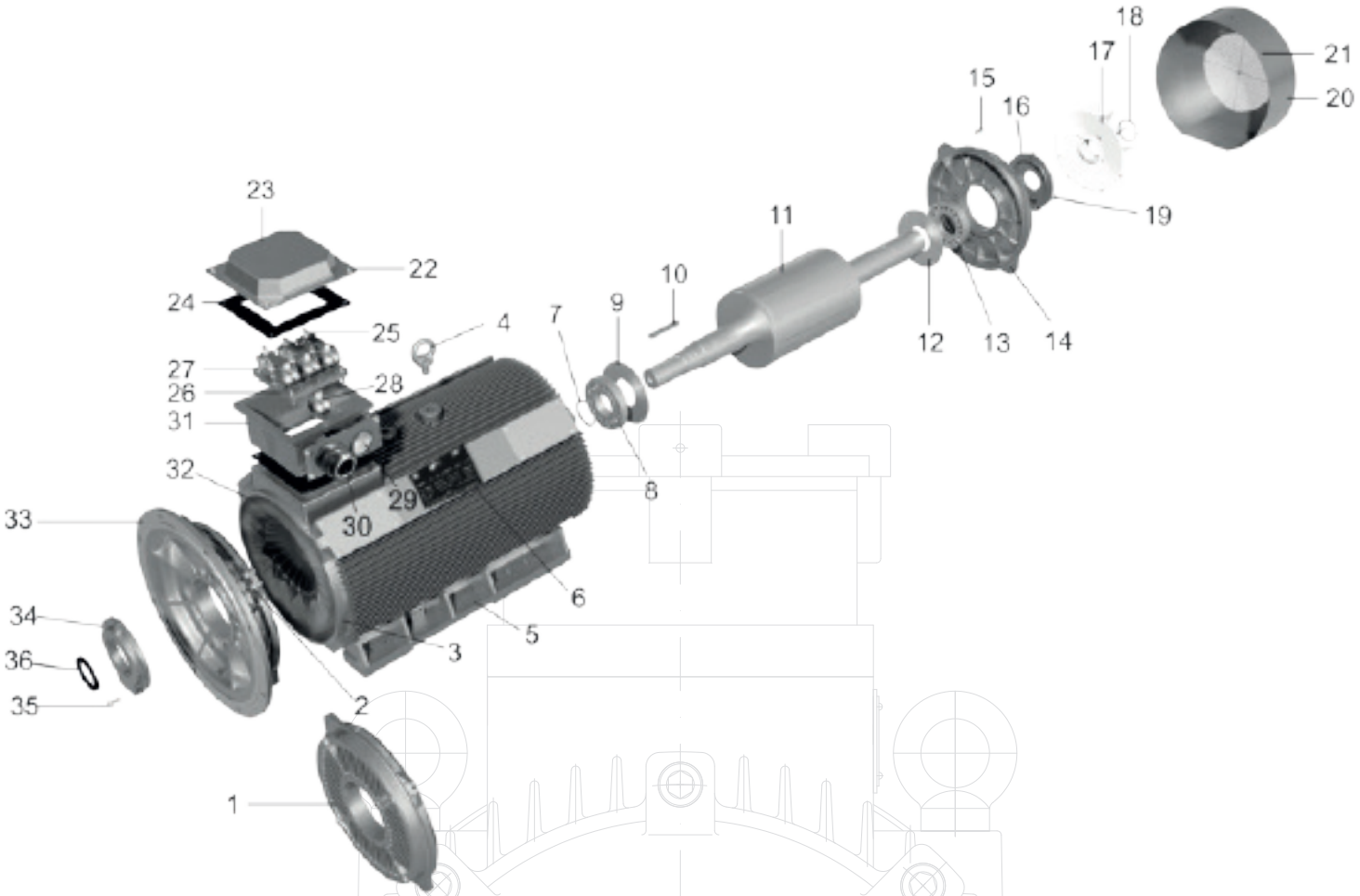
MOTORFEET

The types SA 56 – SA 132 have removable feet. The feet are fixed with two screws at the housing. The feet can also be fixed sideways to change the terminal box position top, left or right. The mounting into B35 and B34 can also be done. The motors from type SC 160 and larger have fixed feet and terminal box on the top. On request available with terminal box at the right or left side.

Sound power level LWA [dB(A)] / Sound pressure level LpA [dB(A)]

Frame size	2 Pol. at no load		4 Pol. at no load		6 Pol. at no load		8 Pol. at no load	
	LWA	LpA	LWA	LpA	LWA	LpA	LWA	LpA
63	70	61	61	52	59	50	-	-
71	73	64	64	55	61	52	59	50
80	76	67	67	58	63	54	61	52
90	77	68	70	61	66	57	65	56
100	78	69	73	64	70	61	68	59
112	83	74	74	65	72	63	70	61
132	86	77	80	71	78	69	73	64
160	84	75	78	69	72	63	68	59
180	88	79	81	72	80	71	71	62
200	88	79	81	72	75	66	69	60
225	88	79	81	72	78	69	73	64
250	88	79	84	75	81	72	73	64
280	87	78	83	74	82	73	79	70
315	94	85	88	79	84	75	82	73
355	99	90	89	80	85	76	86	77

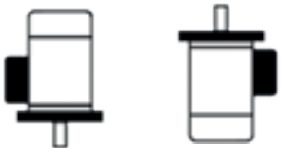
EXPLOSION DRAWING



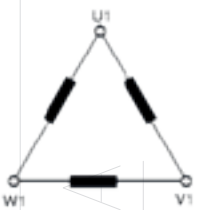
1.	Shield B3	19.	Fixing bolt
2.	Fixing bolt	20.	Cover fan
3.	Stator frame	21.	Fixing bolt
4.	Eyebolt	22.	Fixing bolt
5.	Feet	23.	Terminal box cover
6.	Nameplate	24.	Gasket terminal box cover
7.	Spring washer	25.	Connection material
8.	Bearing DE	26.	Terminal board
9.	Inner bearing cap DE	27.	Fixing bolt
10.	Key	28.	Terminal block PTC
11.	Rotor	29.	Blinder*
12.	Inner bearing cap NDE	30.	Cable gland
13.	Bearing NDE	31.	Terminal box base
14.	Shield NDE	32.	Winding
15.	Fixing bolt	33.	Flange B5
16.	Outer bearing cap NDE	34.	Outer bearing cap DE
17.	Fan	35.	Fixing bolt
18.	Circlip	36.	shaft seal

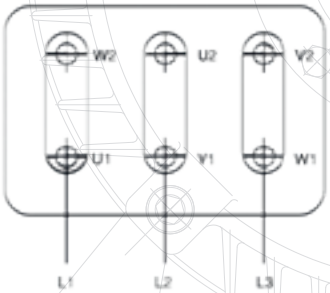
* Aluminium only - Cast Iron with two cable glands

TYPES OF CONSTRUCTION ACCORDING TO DIN IEC 34.CODE

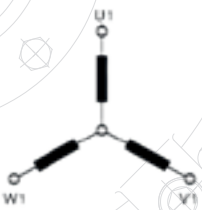
Types of Mounting	IEC34-7(1992) Code I	IEC34-7(1992) Code II	Types of Mounting	IEC34-7(1992) Code I	IEC34-7(1992) Code II
	IMB3	IM1001		IMV1	IM3001
	IMB5	IM3001		IMV3	IM3031
	IMB6	-		IMV5	IM1011
	IMB7	-		IMV6	IM1031
	IMB8	-		IMV15	IM2011
	IMB14	IM3601		IMV36	IM2031
	IMB34	IM2101		IMV18	IM3611
	IMB35	IM2001		IMV19	

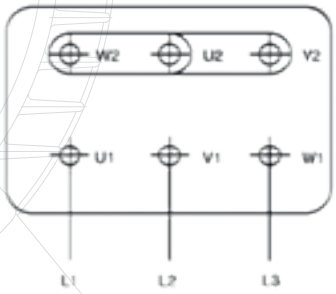
CONNECTION DIAGRAM





delta-connection





star-connection

TECHNICAL DATA STANDARD AC MOTORS

ALUMINUM IE1

2P Series IE1 Efficiency Motors Technical Data (at 50Hz)

Model	Power (KW)	Current (A)			Current (A)			Current (A)			Speed (r/min)	Eff. (%)	Power Factor (CosΦ)	T_{st}/T_n (Times)	T_{max}/T_n (Times)	T_{min}/T_n (Times)	I_{st}/I_n (Times)	Noise dB(A)	W.T (Kg)
		220V	380V	660V	230V	400V	690V	240V	415V	720V									
OM1 56A2	0.09	0.66	0.38	0.22	0.62	0.36	0.21	0.60	0.35	0.20	2710	53	0.72	2.2	2.3	2	4	58	2.60
OM1 56B2	0.12	0.73	0.42	0.24	0.69	0.40	0.23	0.67	0.39	0.22	2700	61	0.72	2.2	2.3	2	4	58	3.00
OM1 56C2	0.18	1.00	0.58	0.33	0.95	0.55	0.32	0.92	0.53	0.31	2710	63	0.75	2.2	2.4	1.6	6	61	4.00
OM1 63A2	0.18	1.00	0.58	0.33	0.95	0.55	0.32	0.92	0.53	0.31	2710	63	0.75	2.2	2.4	1.6	6	61	4.00
OM1 63B2	0.25	1.29	0.75	0.43	1.23	0.71	0.41	1.19	0.69	0.40	2710	65	0.78	2.2	2.4	1.6	6	61	4.20
OM1 63C2	0.37	1.92	1.11	0.64	1.82	1.05	0.61	1.76	1.02	0.59	2710	65	0.78	2.2	2.4	1.6	6	62	4.70
OM1 71A2	0.37	1.76	1.02	0.59	1.67	0.97	0.56	1.61	0.93	0.54	2730	70	0.79	2.2	2.4	1.6	6	64	5.20
OM1 71B2	0.55	2.57	1.49	0.86	2.45	1.42	0.82	2.36	1.36	0.79	2760	71	0.79	2.2	2.4	1.6	6	64	6.00
OM1 71C2	0.75	3.33	1.93	1.11	3.18	1.83	1.06	3.06	1.77	1.02	2730	72	0.82	2.2	2.4	1.5	6	65	7.00
OM1 80A2	0.75	3.21	1.86	1.07	3.06	1.77	1.02	2.94	1.70	0.98	2770	73	0.84	2.2	2.4	1.5	6	67	8.70
OM1 80B2	1.1	4.56	2.64	1.52	4.35	2.51	1.45	4.18	2.42	1.39	2770	76.2	0.83	2.2	2.4	1.5	6	67	10.00
OM1 80C2	1.5	6.04	3.50	2.01	5.87	3.32	1.92	5.54	3.20	1.85	2800	78.5	0.83	2.2	2.4	1.5	6	70	11.20
OM1 90S2	1.5	5.97	3.46	1.99	5.76	3.28	1.90	5.47	3.16	1.82	2840	78.5	0.84	2.2	2.4	1.5	6	72	12.00
OM1 90LA2	2.2	8.39	4.85	2.80	8.0	4.61	2.66	7.69	4.45	2.56	2840	81	0.85	2.2	2.4	1.4	6	72	14.50
OM1 90LB2	3	11.1	6.42	3.69	10.6	6.10	3.52	10.2	5.88	3.39	2840	82.6	0.86	2.2	2.4	1.4	6	74	15.00
OM1 100LA2	3	11.0	6.34	3.65	10.4	6.03	3.48	10.0	5.81	3.35	2840	82.6	0.87	2.2	2.3	1.4	7	76	20.00
OM1 100LB2	4	14.3	8.30	4.78	13.7	7.88	4.55	13.1	7.60	4.38	2850	84.2	0.87	2.2	2.3	1.4	7.5	77	24.00
OM1 112M2	4	14.3	8.30	4.78	13.7	7.88	4.55	13.1	7.60	4.38	2880	84.2	0.87	2.2	2.3	1.4	7.5	77	26.00
OM1 112L2	5.5	19.1	11.1	6.38	18.2	10.5	6.08	17.5	10.1	5.85	2880	85.7	0.88	2.2	2.3	1.2	7.5	78	29.30
OM1 132SA2	5.5	19.1	11.1	6.38	18.2	10.5	6.08	17.5	10.1	5.85	2900	85.7	0.88	2	2.2	1.2	7.5	80	38.40
OM1 132SB2	7.5	25.7	14.9	8.57	24.5	14.1	8.16	23.6	13.6	7.86	2920	87	0.88	2	2.2	1.2	7.5	80	41.30
OM1 132MA2	9.2	30.8	17.8	10.3	29.9	17.3	9.96	28.3	16.3	9.42	2930	88	0.89	2	2.2	1.2	7.5	81	48.20
OM1 132MB2	11	36.3	21.0	12.1	34.6	20.0	11.5	33.3	19.2	11.1	2930	88.4	0.9	2	2.2	1.2	7.5	83	52.50
OM1 160MA2	11	36.3	21.0	12.1	34.6	20.0	11.5	33.3	19.2	11.1	2940	88.4	0.9	2	2.2	1.2	7.5	86	76.00
OM1 160MB2	15	48.4	28.0	16.1	46.1	26.6	15.4	44.4	25.7	14.8	2940	89.4	0.91	2	2.2	1.2	7.5	86	77.50
OM1 160L2	18.5	59.3	34.3	19.8	56.5	32.6	18.8	54.3	31.4	18.1	2940	90	0.91	2	2.2	1.1	7.5	86	92.00
OM1 180M2	22	71.3	41.3	23.8	68.2	39.2	22.6	65.3	37.8	21.8	2950	90	0.9	2	2.2	1.2	7.5	91	121.0
OM1 200LA2	30	96.0	55.6	32.1	91.8	52.8	30.5	88.0	50.9	29.4	2950	91.2	0.9	2	2.2	1.2	7.5	94	144.0
OM1 200LB2	37	117	67.9	39.2	112	64.5	37.2	108	62.2	35.9	2940	92	0.9	2	2.2	1.2	7.5	94	151.0

4P Series IE1 Efficiency Motors Technical Data (at 50Hz)

Model	Power (KW)	Current (A)			Current (A)			Current (A)			Speed (r/min)	Eff. (%)	Power Factor (CosΦ)	T_{st}/T_n (Times)	T_{max}/T_n (Times)	T_{min}/T_n (Times)	I_{st}/I_n (Times)	Noise dB(A)	W.T (Kg)
		220V	380V	660V	230V	400V	690V	240V	415V	720V									
OM1 56A4	0.06	0.64	0.37	0.21	0.61	0.35	0.20	0.58	0.34	0.19	1360	50	0.56	2.3	2.4	2	4	50	2.90
OM1 56B4	0.09	0.82	0.47	0.27	0.78	0.45	0.26	0.75	0.43	0.25	1360	52	0.59	2.3	2.4	2	4	50	3.20
OM1 63A4	0.12	1.00	0.58	0.33	0.95	0.55	0.32	0.92	0.53	0.31	1360	52	0.64	2.2	2.4	2	4	52	3.70
OM1 63B4	0.18	1.28	0.74	0.43	1.21	0.70	0.40	1.17	0.67	0.39	1310	57	0.65	2.2	2.4	2	4	52	4.20
OM1 63C4	0.25	1.66	0.96	0.55	1.58	0.91	0.53	1.52	0.88	0.51	1340	60	0.66	2.2	2.2	2	4	54	5.00
OM1 71A4	0.25	1.52	0.88	0.51	1.45	0.84	0.48	1.39	0.81	0.46	1350	60	0.72	2.2	2.4	1.7	6	55	5.00
OM1 71B4	0.37	2.02	1.17	0.67	1.92	1.11	0.64	1.85	1.07	0.62	1370	65	0.74	2.2	2.4	1.7	6	55	5.80
OM1 71B4	0.55	2.92	1.69	0.97	2.78	1.60	0.93	2.67	1.55	0.89	1380	66	0.75	2.2	2.4	1.7	6	57	6.50
OM1 63A4	0.12	1.00	0.58	0.33	0.95	0.55	0.32	0.92	0.53	0.31	1360	52	0.64	2.2	2.4	2	4	52	3.70
OM1 63B4	0.18	1.28	0.74	0.43	1.21	0.70	0.40	1.17	0.67	0.39	1310	57	0.65	2.2	2.4	2	4	52	4.20
OM1 63C4	0.25	1.66	0.96	0.55	1.58	0.91	0.53	1.52	0.88	0.51	1340	60	0.66	2.2	2.2	2	4	54	5.00
OM1 71A4	0.25	1.52	0.88	0.51	1.45	0.84	0.48	1.39	0.81	0.46	1350	60	0.72	2.2	2.4	1.7	6	55	5.00
OM1 71B4	0.37	2.02	1.17	0.67	1.92	1.11	0.64	1.85	1.07	0.62	1370	65	0.74	2.2	2.4	1.7	6	55	5.80
OM1 71C4	0.55	2.92	1.69	0.97	2.78	1.60	0.93	2.67	1.55	0.89	1380	66	0.75	2.2	2.4	1.7	6	57	6.50
OM1 80A4	0.55	2.87	1.66	0.96	2.74	1.58	0.91	2.63	1.52	0.88	1370	67	0.75	2.2	2.4	1.7	6	58	8.10
OM1 80B4	0.75	3.50	2.03	1.17	3.34	1.93	1.11	3.21	1.86	1.07	1380	72	0.78	2.2	2.4	1.6	6	58	9.10
OM1 80C4	1.1	4.86	2.81	1.62	4.63	2.67	1.54	4.45	2.57	1.48	1390	76.2	0.78	2.2	2.4	1.6	6	60	11.00
OM1 90S4	1.1	4.80	2.78	1.60	4.57	2.64	1.52	4.40	2.54	1.47	1400	76.2	0.79	2.2	2.4	1.6	6	61	11.70
OM1 90LA4	1.5	6.27	3.63	2.09	5.97	3.45	1.99	5.75	3.32	1.92	1400	78.5	0.8	2.2	2.4	1.6	6	61	14.40
OM1 90LB4	2.2	8.91	5.16	2.97	8.45	4.90	2.83	8.17	4.72	2.72	1400	81	0.8	2.2	2.4	1.5	7	63	17.60
OM1 100LA4	2.2	8.80	5.09	2.93	8.38	4.84	2.79	8.07	4.66	2.69	1420	81	0.81	2.2	2.3	1.5	7	64	19.20
OM1 100LB4	3	11.8	6.81	3.92	11.2	6.47	3.74	10.8	6.24	3.60	1420	82.6	0.81	2.2	2.3	1.5	7	64	22.50
OM1 100LC4	4	15.2	8.80	5.07	14.2	8.36	4.83	13.9	8.06	4.65	1430	84.2	0.82	2.2	2.3	1.5	7	65	27.30
OM1 112M4	4	15.0	8.70	5.01	14.3	8.26	4.77	13.8	7.96	4.59	1430	84.2	0.83	2.2	2.2	1.5	7	65	29.00
OM1 112L4	5.5	20.3	11.7	6.76	19.3	11.2	6.44	18.6	10.8	6.20	1440	85.7	0.83	2.2	2.2	1.4	7	68	35.70
OM1 132S4	5.5	20.1	11.6	6.68	19.1	11.0	6.37	18.4	10.6	6.13	1450	85.7	0.84	2.2	2.2	1.4	7	71	39.00
OM1 132M4	7.5	26.6	15.4	8.87	25.4	14.6	8.45	24.4	14.1	8.13	1450	87	0.85	2.2	2.2	1.4	7	71	48.60
OM1 132LA4	9.2	32.5	18.8	10.8	30.9	17.9	10.3	29.8	17.2	9.9	1460	87.5	0.85	2.2	2.2	1.4	7.5	74	56.50
OM1 132LB4	11	38.0	22.0	12.7	36.2	20.9	12.1	34.8	20.1	11.6	1460	88.4	0.86	2.2	2.2	1.4	7.5	74	64.00
OM1 160M4	11	37.5	21.7	12.5	35.8	20.6	11.9	34.4	19.9	11.5	1460	88.4	0.87	2.2	2.2	1.4	7	75	73.00
OM1 160LA4	15	51.2	29.6	17.1	48.8	28.2	16.3	46.9	27.1	15.6	1460	88.4	0.87	2.2	2.2	1.4	7.5	75	88.50
OM1 160LB4	18.5	63.1	36.5	21.0	60.1	34.7	20.0	57.9	33.5	19.3	1460	90.5	0.85	2.2	2.2	1.4	7.5	78	97.50
OM1 180M4	18.5	62.4	36.1	20.8	59.7	34.3	19.8	57.2	33.1	19.1	1460	90.5	0.86	2.2	2.2	1.4	7.5	80	118.0
OM1 180L4	22	73.8	42.7	24.7	70.6	40.6	23.4	67.7	39.1	22.6	1460	91	0.86	2.2	2.2	1.4	7.5	80	128.0
OM1 200L4	30	99.5	57.6	33.2	95.1	54.7	31.6	91.2	52.7	30.4	1470	92	0.86	2.2	2.2	1.4	7.5	83	158.0

6P Series IE1 Efficiency Motors Technical Data (at 50Hz)

Model	Power (KW)	Current (A)			Current (A)			Current (A)			Speed (r/min)	Eff. (%)	Power Factor (CosΦ)	T_{st}/T_n (Times)	T_{max}/T_n (Times)	T_{min}/T_n (Times)	I_{st}/I_n (Times)	Noise dB(A)	W.T (Kg)
		220V	380V	660V	230V	400V	690V	240V	415V	720V									
OM1 63A6	0.09	0.92	0.53	0.31	0.88	0.51	0.29	0.85	0.49	0.28	840	42	0.61	2	2	1.5	3.5	50	4.20
OM1 63B6	0.12	1.13	0.65	0.38	1.08	0.62	0.36	1.03	0.60	0.34	850	45	0.62	2	2	1.5	3.5	50	4.50
OM1 71A6	0.18	1.28	0.74	0.43	1.22	0.70	0.41	1.17	0.68	0.39	880	56	0.66	1.6	1.7	1.5	4	52	5.60
OM1 71B6	0.25	1.59	0.92	0.53	1.51	0.87	0.50	1.46	0.84	0.49	900	59	0.7	2.1	2.2	1.5	4	52	6.00
OM1 71C6	0.37	2.31	1.34	0.77	2.2	1.27	0.73	2.11	1.22	0.70	890	61	0.69	2	2.1	1.5	4	54	6.80
OM1 80A6	0.37	2.24	1.30	0.75	2.13	1.23	0.71	2.05	1.19	0.68	900	62	0.7	1.9	1.9	1.5	4	56	8.10
OM1 80B6	0.55	2.99	1.73	1.00	2.85	1.65	0.95	2.74	1.59	0.91	900	67	0.72	2	2.3	1.5	4	56	9.60
OM1 80C6	0.75	4.02	2.33	1.34	3.83	2.21	1.28	3.69	2.13	1.23	900	68	0.72	2	2.3	1.5	4	58	10.00
OM1 90S6	0.75	3.96	2.29	1.32	3.77	2.18	1.26	3.63	2.10	1.21	920	69	0.72	2.2	2.2	1.5	5.5	59	11.30
OM1 90LA6	1.1	5.49	3.18	1.83	5.23	3.02	1.74	5.03	2.91	1.68	925	72	0.73	2.2	2.2	1.3	5.5	59	14.40
OM1 90LB6	1.5	7.09	4.11	2.36	6.76	3.90	2.25	6.50	3.76	2.17	925	74	0.75	2.2	2.2	1.3	5.5	60	15.50
OM1 100LA6	1.5	7.00	4.05	2.33	6.67	3.85	2.22	6.42	3.71	2.14	945	74	0.76	2.2	2.2	1.3	6	61	18.80
OM1 100LB6	2.2	9.87	5.71	3.29	9.40	5.43	3.13	9.04	5.23	3.01	950	77	0.76	2.2	2.2	1.3	6	63	19.80
OM1 112M6	2.2	9.7	5.64	3.25	9.28	5.36	3.09	8.93	5.16	2.98	955	78	0.76	2.2	2.2	1.3	6	64	25.00
OM1 112L6	3	12.9	7.49	4.31	12.3	7.12	4.11	11.9	6.86	3.95	950	79	0.77	2.2	2.2	1.3	6	64	30.00
OM1 132S6	3	13.1	7.59	4.37	12.5	7.21	4.16	12.0	6.95	4.01	960	79	0.76	2	2	1.3	6.5	64	35.00
OM1 132MA6	4	17.2	9.93	5.72	16.4	9.44	5.45	15.7	9.10	5.24	960	80.5	0.76	2	2	1.3	6.5	68	47.60
OM1 132MB6	5.5	22.6	13.1	7.53	21.5	12.4	7.17	20.7	12.0	6.9	960	83	0.77	2	2	1.3	6.5	68	50.70
OM1 132L6	7.5	30.1	17.4	10.0	28.7	16.5	9.55	27.6	15.9	9.2	960	85	0.77	2	2	1.3	6.5	68	47.60
OM1 160M6	7.5	28.6	16.6	9.5	27.3	15.7	9.08	26.2	15.2	8.7	960	86	0.8	2	2.2	1.3	6.5	68	70.0
OM1 160L6	11	41.8	24.2	13.9	39.8	23.0	13.3	38.3	22.1	12.8	960	87.5	0.79	2	2.2	1.2	6.5	73	87.0
OM1 180L6	15	54.6	31.6	18.2	52.2	30.0	17.3	50.1	28.9	16.7	970	89	0.81	2	2.2	1.3	6.5	79	122.0
OM1 200LA6	18.5	66.6	38.6	22.2	63.7	36.6	21.1	61.0	35.3	20.3	975	90	0.81	2	2.2	1.3	6.5	82	136.0
OM1 200LB6	22	77.3	44.7	25.8	73.9	42.5	24.5	70.8	41.0	23.6	975	90	0.83	2	2.2	1.3	6.5	82	152.0

8P Series IE1 Efficiency Motors Technical Data (at 50Hz)

OM1 71A8	0.09	0.88	0.51	0.29	0.84	0.48	0.28	0.81	0.47	0.27	680	48	0.56	1.5	1.7	1.3	3	50	5.60
OM1 71B8	0.12	1.05	0.61	0.35	1.00	0.58	0.33	0.96	0.55	0.32	690	51	0.59	1.6	1.7	1.3	2.7	50	6.00
OM1 80A8	0.18	1.52	0.88	0.51	1.45	0.84	0.48	1.39	0.80	0.46	680	51	0.61	1.5	1.7	1.3	2.8	52	9.40
OM1 80B8	0.25	1.92	1.11	0.64	1.83	1.06	0.61	1.76	1.02	0.59	680	56	0.61	1.6	2	1.3	2.7	52	10.10
OM1 90S8	0.37	2.45	1.42	0.82	2.33	1.35	0.78	2.24	1.30	0.75	680	63	0.63	1.6	1.8	1.3	2.8	56	12.50
OM1 90L8	0.55	3.36	1.95	1.12	3.21	1.85	1.07	3.08	1.78	1.03	680	66	0.65	1.6	1.8	1.3	3	56	15.30
OM1 100LA8	0.75	4.45	2.58	1.48	4.24	2.45	1.41	4.08	2.36	1.36	710	66	0.67	1.7	2.1	1.3	3.5	59	17.20
OM1 100LB8	1.1	5.81	3.36	1.94	5.54	3.20	1.85	5.33	3.08	1.78	710	72	0.69	1.7	2.1	1.2	3.5	59	19.50
OM1 112M8	1.5	7.82	4.53	2.61	7.45	4.30	2.48	7.17	4.15	2.39	710	74	0.68	1.8	2.1	1.2	4.2	61	25.50
OM1 132S8	2.2	10.8	6.28	3.61	10.3	5.96	3.44	9.94	5.75	3.31	720	75	0.71	2	2	1.2	5.5	64	34.20
OM1 132M8	3	14.0	8.11	4.67	13.3	7.70	4.45	12.8	7.43	4.28	720	77	0.73	2	2	1.2	5.5	64	40.00
OM1 160MA8	4	18.0	10.4	5.99	17.1	9.89	5.71	16.5	9.53	5.49	730	80	0.73	1.9	2.1	1.2	6	68	59.00
OM1 160MB8	5.5	23.4	13.5	7.79	22.3	12.9	7.42	21.4	12.4	7.14	720	83.5	0.74	2	2.2	1.2	6	68	69.00
OM1 160L8	7.5	30.9	17.9	10.3	29.4	17.0	9.8	28.3	16.4	9.43	720	85	0.75	1.9	2.2	1.2	6	68	87.00
OM1 180L8	11	45.2	26.2	15.1	43.6	25.1	14.5	41.5	24.0	13.8	715	87.4	0.73	1.9	2.2	1.2	6	78	125.0
OM1 200L8	15	58.9	34.1	19.6	56.3	32.4	18.7	54.0	31.2	18.0	725	88.0	0.76	1.9	2.2	1.2	6	80	151.0

2P Series IE1 Efficiency Motors Technical Data (at 50Hz)

Type	output		current(A)									Eff(%)	power factor (%)	Tstart /Tn	Ist /In	Tmax /Tn	Tmin /Tn	speed (r/min)		dB (A)	Weight (kg)
Model	kw	HP	220V	230v	240V	380V	400v	415V	660V	690v	720V							50HZ	60HZ		
OM1 56A2	0.09	0.12	0.64	0.61	0.59	0.04	0.35	0.34	0.21	0.20	0.19	57	65	2.2	6	2.4	1.6	2670	3204	58	4
OM1 56B2	0.12	0.16	0.74	0.70	0.68	0.04	0.40	0.39	0.24	0.23	0.22	62	69	2.2	6	2.4	1.6	2730	3276	58	4.5
OM1 63A2	0.18	0.25	1.00	0.96	0.93	0.06	0.55	0.53	0.33	0.32	0.30	63	75	2.2	6	2.4	1.6	2710	3252	61	5
OM1 63B2	0.25	0.33	1.30	1.24	1.20	0.07	0.71	0.68	0.42	0.41	0.39	65	78	2.2	6	2.4	1.6	2710	3252	61	5.2
OM1 63C2	0.37	0.5	1.92	1.83	1.78	0.11	1.05	1.01	0.63	0.61	0.58	65	78	2.2	6	2.4	1.6	2710	3252	62	5.7
OM1 71A2	0.37	0.5	1.76	1.68	1.63	0.10	0.97	0.93	0.58	0.56	0.53	70	79	2.2	6	2.4	1.6	2730	3276	64	6.2
OM1 71B2	0.55	0.75	2.58	2.46	2.39	0.15	1.42	1.36	0.85	0.82	0.78	71	79	2.2	6	2.4	1.6	2760	3312	64	7
OM1 71C2	0.75	1	3.35	3.19	3.09	0.19	1.83	1.76	1.09	1.06	1.01	72	82	2.2	6	2.4	1.5	2730	3276	65	8
OM1 80A2	0.75	1	3.22	3.07	2.98	0.19	1.77	1.69	1.05	1.02	0.97	73	84	2.2	6	2.4	1.5	2770	3324	67	12
OM1 80B2	1.1	1.5	4.58	4.37	4.23	0.26	2.51	2.41	1.50	1.46	1.38	76.2	83	2.2	6	2.4	1.5	2770	3324	67	14
OM1 80C2	1.5	2	6.07	5.78	5.61	0.35	3.32	3.19	1.98	1.93	1.83	78.5	83	2.2	6	2.4	1.5	2800	3360	70	16
OM1 90S2	1.5	2	6.00	5.71	5.54	0.34	3.28	3.15	1.96	1.90	1.81	78.5	84	2.2	6	2.4	1.5	2840	3408	72	19
OM1 90LA2	2.2	3	8.42	8.02	7.78	0.48	4.61	4.43	2.75	2.67	2.54	81	85	2.2	6	2.4	1.5	2840	3408	72	22
OM1 90LB2	3	4	11.13	10.60	10.28	0.64	6.10	5.85	3.64	3.53	3.36	82.6	86	2.2	6	2.4	1.4	2840	3408	74	24
OM1 100LA2	3	4	11.00	10.48	10.16	0.63	6.03	5.78	3.60	3.49	3.32	82.6	87	2.2	7	2.3	1.4	2840	3408	76	28
OM1 100LB2	4	5.5	14.39	13.71	13.30	0.83	7.88	7.57	4.71	4.57	4.34	84.2	87	2.2	7.5	2.3	1.4	2850	3420	77	30
OM1 112MA2	4	5.5	14.39	13.71	13.30	0.83	7.88	7.57	4.71	4.57	4.34	84.2	87	2.2	7.5	2.3	1.4	2880	3456	77	45
OM1 112MB2	5.5	7.5	19.22	18.31	17.76	1.11	10.53	10.11	6.29	6.10	5.80	85.7	88	2.2	7.5	2.3	1.2	2880	3456	78	47
OM1 112L2	7.5	10	25.82	24.59	23.85	1.48	14.14	13.57	8.44	8.20	7.79	87	88	2	7.5	2.2	1.2	2900	3480	80	49
OM1 132SA2	5.5	7.5	19.22	18.31	17.76	1.11	10.53	10.11	6.29	6.10	5.80	85.7	88	2	7.5	2.2	1.2	2900	3480	80	60
OM1 132SB2	7.5	10	25.82	24.59	23.85	1.48	14.14	13.57	8.44	8.20	7.79	87	88	2	7.5	2.2	1.2	2920	3504	80	75
OM1 132MA2	9.2	12.5	30.96	29.49	28.60	1.78	16.95	16.28	10.12	9.83	9.34	88	89	2	7.5	2.2	1.2	2930	3516	81	78
OM1 132L2	11	15	36.44	34.71	33.67	2.10	19.96	19.16	11.92	11.57	10.99	88.4	90	2	7.5	2.2	1.2	2930	3516	83	85
OM1 160MA2	11	15	36.44	34.71	33.67	2.10	19.96	19.16	11.92	11.57	10.99	88.4	90	2	7.5	2.2	1.2	2940	3528	86	100
OM1 160MB2	15	20	48.60	46.28	44.89	2.79	26.61	25.55	15.89	15.43	14.66	89.4	91	2	7.5	2.2	1.2	2940	3528	86	110
OM1 160L2	18.5	25	59.54	56.70	55.00	3.42	32.60	31.30	19.47	18.90	17.96	90	91	2	7.5	2.2	1.1	2940	3528	86	120
OM1 180M2	22	30	70.26	66.91	64.91	4.04	38.48	36.94	22.97	22.30	21.19	91.7	90	2.1	8.2	2.3	1.1	2950	3540	89	160
OM1 200LA2	30	40	95.50	90.95	88.22	5.49	52.30	50.20	31.23	30.32	28.80	92	90	1.9	7.6	2.3	1.1	2950	3540	92	210
OM1 200LB2	37	50	117.14	111.57	108.22	6.74	64.15	61.58	38.30	37.19	35.33	92.5	90	1.9	7.6	2.3	1.1	2960	3552	92	220
OM1 225M2	45	60	141.71	134.96	130.91	8.15	77.60	74.50	46.34	44.99	42.74	93	90	1.7	7.6	2.3	1	2970	3564	92	260
OM1 250M2	55	75	172.27	164.07	159.14	9.91	94.34	90.56	56.33	54.69	51.95	93.5	90	1.5	7.6	2.3	1	2975	3570	93	400
OM1 280S2	75	100	229.15	218.23	211.69	13.18	125.48	120.47	74.93	72.74	69.11	94.8	91	1.5	7.6	2.3	0.9	2975	3570	94	480
OM1 280M2	90	125	274.40	261.33	253.49	15.78	150.26	144.25	89.72	87.11	82.75	95	91	1.5	7.6	2.3	0.9	2975	3570	94	550
OM1 315S2	110	150	338.94	322.80	313.12	19.49	185.61	178.19	110.83	107.60	102.22	94	91	1.8	7.1	2.2	0.9	2980	3576	96	900
OM1 315M2	132	180	404.58	385.31	373.75	23.26	221.55	212.69	132.29	128.44	122.02	94.5	91	1.8	7.1	2.2	0.9	2980	3576	96	950
OM1 315LA2	160	220	484.55	461.48	447.64	27.86	265.35	254.74	158.44	153.83	146.14	94.6	92	1.8	7.1	2.2	0.9	2980	3576	99	1000
OM1 315LB2	200	270	604.41	575.63	558.36	34.75	330.99	317.75	197.63	191.88	182.28	94.8	92	1.8	7.1	2.2	0.8	2980	3576	99	1100
OM1 355M2	250	340	751.55	715.77	694.29	42.95	409.00	392.64	245.75	238.59	226.66	95.3	92	1.8	7.1	2.2	0.8	2980	3576	99	1700
OM1 355L2	315	430	943.99	899.03	872.06	54.50	519.00	498.24	308.67	299.68	284.69	95.6	92	1.8	7.1	2.2	0.8	2980	3576	99	1800

4P Series IE1 Efficiency Motors Technical Data (at 50Hz)

Type	output		current(A)									Eff(%)	power factor (%)	Tstart /Tn	Ist /In	Tmax /Tn	Tmin /Tn	speed (r/min)		dB (A)	Weight (kg)
Model	kw	HP	220V	230v	240V	380V	400v	415V	660V	690v	720V							50HZ	60HZ		
OM1 56A4	0.06	0.08	0.55	0.53	0.51	0.03	0.30	0.29	0.18	0.18	0.17	48.5	59	2.3	6	2.4	1.7	1320	1584	50	3.5
OM1 56B4	0.09	0.12	0.78	0.74	0.72	0.04	0.43	0.41	0.25	0.25	0.23	50	61	2.3	6	2.4	1.7	1320	1584	50	4.5
OM1 63A4	0.12	0.16	0.87	0.83	0.80	0.05	0.47	0.46	0.28	0.28	0.26	57	64	2.2	6	2.4	1.7	1350	1620	52	5
OM1 63B4	0.18	0.25	1.24	1.18	1.14	0.07	0.68	0.65	0.40	0.39	0.37	59	65	2.2	6	2.4	1.7	1350	1620	52	5.5
OM1 63C4	0.25	0.33	1.66	1.58	1.54	0.10	0.91	0.87	0.54	0.53	0.50	60	66	2.2	6	2.4	1.7	1350	1620	54	6
OM1 71A4	0.25	0.33	1.53	1.45	1.41	0.09	0.84	0.80	0.50	0.48	0.46	60	72	2.2	6	2.4	1.7	1350	1620	55	7
OM1 71B4	0.37	0.5	2.03	1.93	1.87	0.12	1.11	1.07	0.66	0.64	0.61	65	74	2.2	6	2.4	1.7	1370	1644	55	7.5
OM1 71C4	0.55	0.75	2.93	2.79	2.71	0.17	1.60	1.54	0.96	0.93	0.88	66	75	2.2	6	2.4	1.7	1380	1656	57	8
OM1 80A4	0.55	0.75	2.88	2.75	2.67	0.17	1.58	1.52	0.94	0.92	0.87	67	75	2.2	6	2.4	1.7	1370	1644	58	13
OM1 80B4	0.75	1	3.52	3.35	3.25	0.20	1.93	1.85	1.15	1.12	1.06	72	78	2.2	6	2.4	1.6	1380	1656	58	14
OM1 80C4	1.1	1.5	4.88	4.65	4.51	0.28	2.67	2.56	1.60	1.55	1.47	76.2	78	2.2	6	2.4	1.6	1390	1668	60	15
OM1 90S4	1.1	1.5	4.82	4.59	4.45	0.28	2.64	2.53	1.57	1.53	1.45	76.2	79	2.2	6	2.4	1.6	1400	1680	61	19
OM1 90LA4	1.5	2	6.30	6.00	5.82	0.36	3.45	3.31	2.06	2.00	1.90	78.5	80	2.2	6	2.4	1.6	1400	1680	61	21
OM1 90LB4	2.2	3	8.95	8.52	8.27	0.51	4.90	4.70	2.93	2.84	2.70	81	80	2.2	7	2.4	1.5	1400	1680	63	23
OM1 100LA4	2.2	3	8.84	8.42	8.16	0.51	4.84	4.65	2.89	2.81	2.67	81	81	2.2	7	2.3	1.5	1420	1704	64	28
OM1 100LB4	3	4	11.82	11.26	10.92	0.68	6.47	6.21	3.86	3.75	3.56	82.6	81	2.2	7	2.3	1.5	1420	1704	64	30
OM1 100LC4	4	5.5	15.27	14.54	14.11	0.88	8.36	8.03	4.99	4.85	4.61	84.2	82	2.2	7	2.3	1.5	1430	1716	65	32
OM1 112M4	4	5.5	15.09	14.37	13.94	0.87	8.26	7.93	4.93	4.79	4.55	84.2	83	2.2	7	2.2	1.5	1430	1716	65	42
OM1 112L4	5.5	7.5	20.38	19.41	18.83	1.17	11.16	10.71	6.66	6.47	6.15	85.7	83	2.2	7	2.2	1.4	1440	1728	68	45
OM1 132S4	5.5	7.5	20.14	19.18	18.60	1.16	11.03	10.59	6.58	6.39	6.07	85.7	84	2.2	7	2.2	1.4	1450	1740	71	65
OM1 132M4	7.5	10	26.73	25.46	24.69	1.54	14.64	14.05	8.74	8.49	8.06	87	85	2.2	7	2.2	1.4	1450	1740	71	72
OM1 132MA4	9.2	12.5	32.60	31.05	30.12	1.87	17.85	17.14	10.66	10.35	9.83	87.5	85	2.2	7.5	2.2	1.4	1460	1752	74	75
OM1 132L4	11	15	38.14	36.32	35.23	2.19	20.88	20.05	12.47	12.11	11.50	88.4	86	2.2	7.5	2.2	1.4	1460	1752	74	80
OM1 160M4	11	15	37.70	35.90	34.83	2.17	20.64	19.82	12.33	11.97	11.37	88.4	87	2.2	7	2.2	1.4	1460	1752	75	100
OM1 160L4	15	20	51.41	48.96	47.49	2.96	28.15	27.03	16.81	16.32	15.50	88.4	87	2.2	7.5	2.2	1.4	1460	1752	75	110
OM1 180M4	18.5	25	61.30	58.38	56.63	3.52	33.57	32.22	20.04	19.46	18.49	92.5	86	2.1	7.7	2.3	1.2	1475	1770	77	150
OM1 180L4	22	30	72.66	69.20	67.12	4.18	39.79	38.20	23.76	23.07	21.91	92.8	86	2.1	7.7	2.3	1.2	1475	1770	77	180
OM1 200L4	30	40	98.65	93.95	91.14	5.67	54.02	51.86	32.26	31.32	29.75	93.2	86	2.1	7.3	2.3	1.2	1480	1776	79	220
OM1 225S4	37	50	119.25	113.57	110.16	6.86	65.30	62.69	38.99	37.86	35.96	94	87	1.7	7.3	2.3	1.2	1480	1776	81	280
OM1 225M4	45	60	144.72	137.83	133.70	8.32	79.25	76.08	47.32	45.94	43.65	94.2	87	1.8	7.3	2.3	1.1	1480	1776	81	300
OM1 250M4	55	75	176.32	167.93	162.89	10.14	96.56	92.70	57.66	55.98	53.18	94.5	87	1.8	7.3	2.3	1.1	1485	1782	83	400
OM1 280S4	75	100	268.26	255.49	247.82	15.43	146.91	141.03	87.72	85.16	80.90	84.7	87	2	7.3	2.3	1	1485	1782	86	500
OM1 280M4	90	125	287.01	273.35	265.14	16.50	157.17	150.89	93.85	91.12	86.56	95	87	2	7.3	2.3	1	1485	1782	86	520
OM1 315S4	110	150	348.64	332.04	322.08	20.05	190.92	183.29	114.00	110.68	105.15	94.5	88	2.1	6.9	2.2	1	1485	1782	93	950
OM1 315M4	132	180	412.36	392.72	380.94	23.71	225.82	216.78	134.84	130.91	124.36	94.8	89	2.1	6.9	2.2	1	1485	1782	93	1000
OM1 315LA4	160	220	499.30	475.53	461.26	28.71	273.43	262.49	163.26	158.51	150.58	94.9	89	2.2	6.9	2.1	1	1485	1782	97	1050
OM1 315LB4	200	270	623.47	593.78	575.97	35.85	341.43	327.77	203.87	197.93	188.03	95	89	2.1	6.9	2.2	0.9	1485	1782	97	1100
OM1 355M4	250	340	743.43	708.03	686.79	42.75	407.12	390.83	243.09	236.01	224.21	97.4	91	2.31	6.39	2.86	0.9	1486	1783	111	1700
OM1 355L4	315	430	961.40	915.62	888.15	55.28	526.48	505.42	314.36	305.21	289.95	94.9	91	2.07	6.14	2.44	0.9	1483	1780	111	1800

6P Series IE1 Efficiency Motors Technical Data (at 50Hz)

Type	output		current(A)									Eff(%)	power factor (%)	Tstart /Tn	Ist /In	Tmax /Tn	Tmin /Tn	speed (r/min)		dB (A)	Weight (kg)
Model	kw	HP	220V	230v	240V	380V	400v	415V	660V	690v	720V							50HZ	60HZ		
OM1 63A6	0.09	0.12	0.92	0.88	0.85	0.05	0.51	0.49	0.30	0.29	0.28	45	57	1.6	4	1.7	1.5	880	1056	52	6
OM1 63B6	0.12	0.16	1.10	1.05	1.02	0.06	0.60	0.58	0.36	0.35	0.33	47	61	1.6	4	1.7	1.5	880	1056	52	6.5
OM1 71A6	0.18	0.25	1.28	1.22	1.19	0.07	0.70	0.67	0.42	0.41	0.39	56	66	1.6	4	1.7	1.5	880	1056	52	7
OM1 71B6	0.25	0.33	1.60	1.52	1.47	0.09	0.87	0.84	0.52	0.51	0.48	59	70	2.1	4	2.2	1.5	900	1080	52	7.5
OM1 71C6	0.37	0.5	2.32	2.21	2.14	0.13	1.27	1.22	0.76	0.74	0.70	61	69	2	4	2.1	1.5	890	1068	54	8
OM1 80A6	0.37	0.5	2.25	2.14	2.08	0.13	1.23	1.18	0.73	0.71	0.68	62	70	1.9	4	1.9	1.5	900	1080	56	12
OM1 80B6	0.55	0.75	3.01	2.86	2.78	0.17	1.65	1.58	0.98	0.95	0.91	67	72	2	4	2.3	1.5	900	1080	56	14
OM1 80C6	0.75	1	4.04	3.85	3.73	0.23	2.21	2.12	1.32	1.28	1.22	68	72	2	4	2.3	1.5	900	1080	58	16
OM1 90S6	0.75	1	3.98	3.79	3.68	0.23	2.18	2.09	1.30	1.26	1.20	69	72	2.2	5.5	2.2	1.5	920	1104	59	18
OM1 90L6	1.1	1.5	5.52	5.25	5.10	0.32	3.02	2.90	1.80	1.75	1.66	72	73	2.2	5.5	2.2	1.3	925	1110	59	21
OM1 90C6	1.5	2	7.03	6.70	6.49	0.40	3.85	3.70	2.30	2.23	2.12	74	76	2.2	6	2.2	1.3	945	1134	61	23
OM1 100L6	1.5	2	7.03	6.70	6.49	0.40	3.85	3.70	2.30	2.23	2.12	74	76	2.2	6	2.2	1.3	945	1134	61	29
OM1 112M6	2.2	3	9.78	9.32	9.04	0.56	5.36	5.14	3.20	3.11	2.95	78	76	2.2	6	2.2	1.3	955	1146	64	38
OM1 132S6	3	4	13.17	12.54	12.17	0.76	7.21	6.92	4.31	4.18	3.97	79	76	2	6.5	2	1.3	960	1152	64	60
OM1 132MA6	4	5.5	17.23	16.41	15.92	0.99	9.44	9.06	5.63	5.47	5.20	80.5	76	2	6.5	2	1.3	960	1152	68	72
OM1 132MB6	5.5	7.5	22.68	21.60	20.95	1.30	12.42	11.92	7.42	7.20	6.84	83	77	2	6.5	2	1.3	960	1152	68	73
OM1 160M6	7.5	10	28.64	27.27	26.45	1.65	15.68	15.05	9.36	9.09	8.64	88.5	78	1.9	7	2.1	1.3	970	1164	73	95
OM1 160L6	11	15	40.72	38.78	37.62	2.34	22.30	21.41	13.31	12.93	12.28	89	80	1.9	7	2.1	1.2	970	1164	73	100
OM1 180L6	15	20	53.93	51.37	49.82	3.10	29.54	28.35	17.64	17.12	16.27	90.5	81	1.9	7	2.1	1.2	980	1176	73	170
OM1 200LA6	18.5	25	65.79	62.66	60.78	3.78	36.03	34.59	21.51	20.89	19.84	91.5	81	1.9	7	2.1	1.2	980	1176	76	200
OM1 200LB6	22	30	75.94	72.32	70.15	4.37	41.58	39.92	24.83	24.11	22.90	92	83	1.9	7	2.1	1.2	980	1176	76	210
OM1 225M6	30	40	99.49	94.76	91.91	5.72	54.48	52.30	32.53	31.59	30.01	93.5	85	1.8	7	2.1	1.2	985	1182	76	280
OM1 250M6	37	50	121.28	115.51	112.04	6.97	66.42	63.76	39.66	38.50	36.58	93.5	86	1.8	7	2.1	1.2	985	1182	78	410
OM1 280S6	45	60	147.50	140.48	136.27	8.48	80.78	77.54	48.23	46.83	44.49	93.5	86	1.8	7	2	1.1	985	1182	80	500
OM1 280M6	55	75	179.71	171.15	166.01	10.33	98.41	94.47	58.76	57.05	54.20	93.8	86	1.8	7	2	1.1	985	1182	80	510
OM1 315S6	75	100	245.84	234.13	227.11	14.14	134.63	129.24	80.39	78.04	74.14	93.5	86	2	7	2	1	990	1188	85	930
OM1 315M6	90	125	294.06	280.06	271.66	16.91	161.04	154.59	96.15	93.35	88.69	93.8	86	2	7	2	1	990	1188	85	980
OM1 315LA6	110	150	358.65	341.57	331.32	20.62	196.40	188.55	117.27	113.86	108.16	94	86	2	6.7	2	1	990	1188	85	1020
OM1 315LB6	132	180	424.53	404.31	392.18	24.41	232.48	223.18	138.81	134.77	128.03	94.2	87	2	6.7	2	1	990	1188	85	1060
OM1 355M26	200	270	632.55	602.43	584.36	35.91	342.00	328.32	206.84	200.81	190.77	94.7	88	2	6.7	2	1	990	1188	85	1700
OM1 355L6	250	340	789 03	751 45	728 91	44 94	428 00	410 88	258 00	250 48	237 96	94 9	88	2	6 7	2	1	990	1188	85	1800

8P Series IE1 Efficiency Motors Technical Data (at 50Hz)

Type	output		current(A)									Eff(%)	power factor (%)	Tstart /Tn	Ist /In	Tmax /Tn	Tmin /Tn	speed (r/min)		dB (A)	Weight (kg)
Model	kw	HP	220V	230v	240V	380V	400v	415V	660V	690v	720V							50HZ	60HZ		
OM1 71A8	0.09	0.12	0.88	0.84	0.82	0.05	0.48	0.46	0.29	0.28	0.27	48	56	1.5	3	1.7	1.3	680	816	50	7
OM1 71B8	0.12	0.16	1.05	1.00	0.97	0.06	0.58	0.55	0.34	0.33	0.32	51	59	1.6	2.7	1.7	1.3	690	828	50	8
OM1 80A8	0.18	0.25	1.53	1.45	1.41	0.09	0.84	0.80	0.50	0.48	0.46	51	61	1.5	2.8	1.7	1.3	680	816	52	11
OM1 80B8	0.25	0.33	1.93	1.84	1.78	0.11	1.06	1.01	0.63	0.61	0.58	56	61	1.6	2.7	2	1.3	680	816	52	14
OM1 90S8	0.37	0.5	2.46	2.34	2.27	0.14	1.35	1.29	0.80	0.78	0.74	63	63	1.6	2.8	1.8	1.3	680	816	56	18
OM1 90L8	0.55	0.75	3.38	3.22	3.12	0.19	1.85	1.78	1.10	1.07	1.02	66	65	1.6	3	1.8	1.3	680	816	56	21
OM1 100LA8	0.75	1	4.47	4.26	4.13	0.26	2.45	2.35	1.46	1.42	1.35	66	67	1.7	3.5	2.1	1.3	710	852	59	27
OM1 100LB8	1.1	1.5	5.84	5.56	5.39	0.34	3.20	3.07	1.91	1.85	1.76	72	69	1.7	3.5	2.1	1.2	710	852	59	28
OM1 112M8	1.5	2	7.86	7.48	7.26	0.45	4.30	4.13	2.57	2.49	2.37	74	68	1.8	4.2	2.1	1.2	710	852	61	39
OM1 132S8	2.2	3	10.89	10.37	10.06	0.63	5.96	5.72	3.56	3.46	3.28	75	71	2	5.5	2	1.2	720	864	64	52
OM1 132M8	3	4	14.07	13.40	13.00	0.81	7.70	7.40	4.60	4.47	4.24	77	73	2	5.5	2	1.2	720	864	64	65
OM1 160MA8	4	5.5	17.83	16.98	16.47	1.03	9.76	9.37	5.83	5.66	5.38	81	73	1.9	6	2	1.2	720	864	68	95
OM1 160MB8	5.5	7.5	23.60	22.48	21.80	1.36	12.93	12.41	7.72	7.49	7.12	83	74	2	6	2	1.2	720	864	68	100
OM1 160L8	7.5	10	30.83	29.36	28.48	1.77	16.88	16.21	10.08	9.79	9.30	85.5	75	2	6	2	1.2	720	864	68	110
OM1 180L8	11	15	43.60	41.52	40.28	2.51	23.88	22.92	14.26	13.84	13.15	87.5	76	2	6.6	2	1.1	730	876	70	170
OM1 200L8	15	20	59.11	56.30	54.61	3.40	32.37	31.08	19.33	18.77	17.83	88	76	2	6.6	2	1.1	730	876	73	210
OM1 225S8	18.5	25	71.29	67.89	65.86	4.10	39.04	37.48	23.31	22.63	21.50	90	76	1.9	6.6	2	1.1	735	882	73	280
OM1 225M8	22	30	82.14	78.23	75.89	4.72	44.98	43.18	26.86	26.08	24.77	90.5	78	1.9	6.6	2	1.1	735	882	73	290
OM1 250M8	30	40	109.99	104.75	101.61	6.32	60.23	57.82	35.97	34.92	33.17	91	79	1.9	6.6	2	1.1	735	882	75	390
OM1 280S8	37	50	134.91	128.49	124.63	7.76	73.88	70.93	44.11	42.83	40.69	91.5	79	1.9	6.6	2	1.1	740	888	76	490
OM1 280M8	45	60	164.08	156.27	151.58	9.43	89.86	86.26	53.65	52.09	49.49	91.5	79	1.8	6.6	2	1	740	888	76	500
OM1 315S8	55	75	192.85	183.67	178.16	11.09	105.61	101.39	63.06	61.22	58.16	92.8	81	1.8	6.6	2	1	740	888	82	930
OM1 315M8	75	100	262.42	249.92	242.42	15.09	143.71	137.96	85.81	83.31	79.14	93	81	1.8	6.6	2	0.9	740	888	82	960
OM1 315LA8	90	125	308.41	293.72	284.91	17.73	168.89	162.13	100.84	97.91	93.01	93.8	82	1.8	6.6	2	0.9	740	888	82	1000
OM1 315LB8	110	150	376.14	358.23	347.48	21.63	205.98	197.74	122.99	119.41	113.44	94	82	1.8	6.4	2	0.9	740	888	82	1050
OM1 355M18	132	180	452.82	431.25	418.32	26.04	248.00	238.08	148.06	143.75	136.56	93.7	82	1.8	6.4	2	0.9	740	888	82	1600
OM1 355M28	160	220	545.95	519.96	504.36	31.40	299.00	287.04	178.52	173.32	164.65	94.2	82	1.8	6.4	2	0.9	740	888	83	1700
OM1 355L8	200	270	672.08	640.08	620.87	38.65	368.10	353.38	219.76	213.36	202.69	94.5	83	1.8	6.4	2	0.9	740	888	83	1800

2P Aluminium frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

TYPE	P	I	n	cos φ		η		M	Ia/In	Ma/Mn	Mk/Mn	J	m
	400V				100	75	50		Ist/In	Tst/Tn	Tmax/Tn		
	kW	A	1/min		%	%	%	Nm				Kg/m²	Kg
OM2 63A2	0,18	0.5	2800	0.80	60.4	60.2	59.6	0.61	6.0	3.2	3.4	0.00052	4.1
OM2 63B2	0,25	0.7	2800	0.81	64.8	64.4	63.2	0.85	6.2	3.2	3.5	0.00061	4.7
OM2 71A2	0,37	0.9	2800	0.81	69.5	69.2	68.5	1.26	6.4	3.1	3.5	0.00067	6.3
OM2 71B2	0,55	1.3	2800	0.82	74.1	73.7	73.2	1.88	6.6	3.3	3.4	0.00073	7.2
OM2 80A2	0,75	1.7	2830	0.82	77.4	77.1	76.4	2.53	6.8	3.0	3.2	0.00085	9
OM2 80B2	1,1	2.4	2830	0.83	79.6	79.3	78.7	3.71	7.1	3.0	3.1	0.00110	10
OM2 90S2	1,5	3.2	2840	0.84	81.3	81.0	80.2	5.0	7.3	3.2	3.8	0.00146	12
OM2 90L2	2,2	4.5	2840	0.85	83.2	82.8	82.1	7.4	7.6	3.2	3.9	0.00185	15
OM2 100L2	3	5.9	2870	0.87	84.6	84.3	83.6	10.0	7.8	3.1	3.5	0.00325	23
OM2 112M2	4	7.6	2890	0.88	85.8	85.4	84.7	13.2	8.1	2.8	3.6	0.00550	28
OM2 132SA2	5,5	10.4	2900	0.88	87.0	86.7	85.7	18.1	8.2	2.3	2.9	0.01378	40
OM2 132SB2	7,5	13.8	2900	0.89	88.1	87.7	86.7	24.7	7.8	2.4	3.0	0.01456	44.5

4P Aluminium frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

OM2 63A4	0,12	0.4	1310	0.72	59.1	59.0	58.3	0.9	5.8	2.5	3.0	0.00089	4.9
OM2 63B4	0,18	0.6	1310	0.73	64.7	64.5	63.7	1.6	6.0	2.5	3.3	0.00102	5.7
OM2 71A4	0,25	0.7	1330	0.74	68.5	68.3	67.6	1.8	6.0	2.6	3.3	0.00112	6.5
OM2 71B4	0,37	1.0	1330	0.74	72.7	72.4	71.9	2.7	6.1	2.8	3.1	0.00124	7.2
OM2 80A4	0,55	1.4	1390	0.75	77.1	76.9	76.2	3.8	6.2	2.8	3.0	0.00132	9.4
OM2 80B4	0,75	1.8	1390	0.76	79.6	79.8	77.5	5.2	6.4	2.9	3.0	0.00148	11
OM2 90S4	1,1	2.5	1400	0.77	81.4	81.6	79.3	7.5	6.6	2.8	3.0	0.00212	12.5
OM2 90L4	1,5	3.4	1400	0.78	82.8	83.0	80.2	10.2	6.7	2.7	3.4	0.00287	15
OM2 100LA4	2,2	4.7	1430	0.80	84.3	84.7	82.2	14.7	7.3	2.4	3.1	0.00606	22
OM2 100LB4	3	6.3	1430	0.81	85.5	85.7	83.8	20.0	7.5	2.7	2.9	0.00779	26
OM2 112M4	4	8.2	1440	0.81	86.6	85.9	82.1	26.5	7.5	2.6	2.9	0.01176	32
OM2 132S4	5,5	11.0	1440	0.82	87.7	86.5	84.1	36.5	7.5	2.5	3.2	0.02465	42
OM2 132M4	7,5	14.7	1440	0.83	88.7	89.2	88.2	49.7	7.3	2.6	3.3	0.03301	51

6P Aluminium frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

TYPE	P	I	n	cos φ		η		M	Ia/In	Ma/Mn	Mk/Mn	J	m
	400V				100	75	50		Ist/In	Tst/Tn	Tmax/Tn		
	kW	A	1/min		%	%	%	Nm				Kg/m^2	Kg
OM2 71A6	0,18	0.7	850	0.66	56.6	56.4	55.8	2.0	5.4	2.4	3.1	0.00144	6.6
OM2 71B6	0,25	0.9	850	0.68	61.6	61.4	60.8	2.8	5.4	2.2	3.1	0.00167	7.6
OM2 80A6	0,37	1.1	890	0.70	67.6	67.4	66.8	4.0	5.6	2.3	3.2	0.00201	9.2
OM2 80B6	0,55	1.5	890	0.72	73.1	72.9	72.2	5.9	5.6	2.4	2.8	0.00218	10.5
OM2 90S6	0,75	2.0	910	0.71	75.9	76.4	74.4	7.9	5.8	2.3	2.9	0.00297	12.5
OM2 90L6	1,1	2.8	910	0.72	78.1	78.3	75.7	11.5	5.9	2.4	2.9	0.00392	16
OM2 100L6	1,5	3.8	940	0.72	79.8	79.2	76.3	15.2	5.9	2.1	2.7	0.00745	21
OM2 112M6	2,2	5.4	940	0.72	81.8	81.7	78.7	22.4	6.2	2.2	2.6	0.01324	27
OM2 132S6	3	7.2	960	0.72	83.3	83.0	81.4	29.8	6.4	2.2	2.8	0.02821	38
OM2 132MA6	4	9.2	960	0.74	84.6	84.0	83.0	39.8	6.6	2.1	3.2	0.03716	47
OM2 132MB6	5,5	12.3	960	0.75	86	86.1	83.2	54.7	6.8	2.1	3.1	0.04889	58

8P Aluminium frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

OM2 80A8	0,18	0.9	630	0.61	45.9	45.4	44.8	2.7	4.8	2.3	2.6	0.00247	10.3
OM2 80B8	0,25	1.2	640	0.61	50.6	50.1	49.4	3.7	4.8	2.3	2.6	0.00279	11.5
OM2 90S8	0,37	1.6	660	0.61	56.1	55.6	55.0	5.4	5.0	2.2	2.9	0.00357	14.5
OM2 90L8	0,55	2.0	660	0.63	61.7	61.2	60.8	8.0	5.0	2.3	3.0	0.00425	18
OM2 100LA8	0,75	2.3	690	0.71	66.2	65.8	65.3	10.4	5.2	2.1	3.0	0.00598	20
OM2 100LB8	1,1	3.1	690	0.72	70.8	70.2	69.6	15.2	5.4	2.1	2.8	0.00745	23
OM2 112M8	1,5	4.1	700	0.72	74.1	73.6	73.0	20.5	5.6	2.0	2.9	0.01326	27
OM2 132S8	2,2	5.7	710	0.72	77.6	77.0	76.4	29.6	5.8	2.1	3.1	0.02900	39
OM2 132M8	3	7.5	710	0.72	80.0	79.6	79.0	40.4	6.0	2.0	3.2	0.03800	48

2P Cast iron frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

TYPE	P	I	n	cos φ		η		M	Ia/In	Ma/Mn	Mk/Mn	J	m
	400V				100	75	50		Ist/In	Tst/Tn	Tmax/Tn		
	kW	A	1/min		%	%	%	Nm				Kg/m²	Kg
OM2 160MA2	11	19,9	2930	0,89	90,5	90,5	90,2	35,7	6,5	2,5	3,1	0,03700	121
OM2 160MB2	15	26,3	2940	0,91	91,8	91,2	90,9	48,8	8,2	2,7	3,8	0,04320	132
OM2 160L2	18,5	32,6	2930	0,92	91,1	91,2	90,4	60,2	8,3	2,8	3,8	0,05250	138
OM2 180M2	22	38,2	2950	0,90	91,4	91,0	90,5	71,1	7,7	2,8	3,5	0,07100	191
OM2 200LA2	30	52,1	2960	0,92	92,2	91,7	90,9	96,9	7,8	2,6	3,5	0,11900	240
OM2 200LB2	37	63,2	2955	0,91	92,5	92,3	92,1	119	7,7	2,7	3,5	0,13300	257
OM2 225M2	45	78,6	2960	0,90	93,5	93,1	92,3	145	7,9	2,6	3,6	0,22100	310
OM2 250M2	55	96,1	2965	0,91	93,4	91,7	92,6	177	7,5	2,4	2,7	0,30500	386
OM2 280S2	75	126	2975	0,91	93,9	93,7	91,8	240	7,2	2,4	3,4	0,58400	505
OM2 280M2	90	151	2972	0,91	94,3	93,9	93,2	288	7,0	2,3	3,2	0,66500	555
OM2 315S2	110	184	2980	0,91	94,8	94,5	92,8	352	7,1	1,8	3,4	1,13000	921
OM2 315M2	132	221	2980	0,91	95,0	95,2	93,5	422	7,1	1,8	3,3	1,75000	959
OM2 315LA2	160	266	2980	0,92	95,4	95,0	94,8	512	6,9	2,2	3,3	2,01000	1088
OM2 315LB2	200	331	2980	0,91	96,0	95,4	94,9	640	6,7	2,1	3,2	2,27000	1162
OM2 355M2	250	411	2985	0,92	96,3	95,6	94,5	800	7,8	2,2	3,7	3,29600	1685
OM2 355L2	315	519	2980	0,91	96,4	95,9	95,1	1009	7,8	1,7	4,1	3,84900	1850

4P Cast iron frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

OM2 160M4	11	20,9	1450	0,86	89,9	88,9	88,3	71,6	7,2	2,1	3,0	0,07240	122
OM2 160L4	15	28,1	1460	0,86	90,6	90,8	90,2	97,4	8,3	2,2	3,1	0,09290	139
OM2 180M4	18,5	33,3	1470	0,89	91,2	90,5	89,7	119	7,0	2,2	3,1	0,13500	188
OM2 180L4	22	39,9	1465	0,88	91,6	91,4	91,2	142	6,9	2,1	3,1	0,13600	193
OM2 200L4	30	53,8	1465	0,88	92,7	92,6	91,7	193	7,0	2,4	3,2	0,24500	256
OM2 225S4	37	66,9	1475	0,87	93,6	92,0	91,9	238	6,7	2,2	3,0	0,39000	308
OM2 225M4	45	80,6	1480	0,87	94,2	93,3	92,9	290	7,1	2,4	3,2	0,45000	337
OM2 250M4	55	98,0	1480	0,87	94,2	91,3	91,1	354	6,5	2,4	3,2	0,64000	410
OM2 280S4	75	133	1485	0,87	94,5	93,9	93,3	482	6,5	2,4	3,1	1,04500	581

4P Cast iron frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

TYPE	P	I	n	cos φ		η		M	Ia/In	Ma/Mn	Mk/Mn	J	m
	400V				100	75	50		Ist/In	Tst/Tn	Tmax/Tn		
	kW	A	1/min		%	%	%	Nm				Kg/m²	Kg
OM2 280M4	90	156	1485	0,88	94,8	94,5	94,1	579	7,2	2,3	2,7	1,39600	643
OM2 315S4	110	193	1485	0,87	95,4	94,3	94,3	706	5,8	1,9	2,9	2,98000	961
OM2 315M4	132	230	1480	0,87	95,5	94,5	93,8	847	5,5	1,9	2,8	3,48000	1012
OM2 315LA4	160	274	1485	0,89	95,7	94,6	93,9	1027	6,0	2,0	3,0	3,96000	1096
OM2 315LB4	200	342	1485	0,88	95,8	95,4	95,1	1285	6,0	2,2	3,0	4,47000	1330
OM2 355M4	250	421	1490	0,90	96,3	95,8	95,4	1604	5,9	1,5	2,9	7,16400	1720
OM2 355L4	315	529	1485	0,90	96,4	95,7	95,4	2021	6,9	2,1	3,2	8,70200	1950

6P Cast iron frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

OM2 160M6	7,5	15,8	965	0,80	88,0	88,3	87,7	73,4	6,0	2,1	2,3	0,08000	113
OM2 160L6	11	22,4	970	0,81	89,2	89,6	89,1	108	6,9	1,9	3,1	0,10800	134
OM2 180L6	15	29,4	975	0,83	89,7	89,2	88,5	146	6,5	2,1	3,0	0,16700	178
OM2 200LA6	18,5	35,3	980	0,84	91,0	90,8	90,2	178	6,7	2,1	3,2	0,30200	226
OM2 200LB6	22	41,6	975	0,85	91,0	90,2	89,8	212	6,8	2,1	3,1	0,34200	234
OM2 225M6	30	57,5	985	0,82	91,7	91,6	91,1	290	6,2	1,9	2,9	0,52500	294
OM2 250M6	37	66,0	980	0,88	92,7	92,4	92,0	357	6,9	1,9	3,1	0,80700	369
OM2 280S6	45	82,0	985	0,88	92,7	92,6	92,2	434	6,5	2,0	3,0	1,33400	513
OM2 280M6	55	98,0	985	0,89	93,1	92,8	92,3	530	7,0	2,1	3,0	1,59800	661
OM2 315S6	75	136	990	0,85	93,7	93,2	92,8	721	6,0	1,8	2,9	3,94000	856
OM2 315M6	90	163	990	0,85	94,0	93,6	93,0	866	6,0	2,0	2,8	4,58000	973
OM2 315LA6	110	195	990	0,86	94,5	94,3	93,9	1059	5,9	1,9	2,9	5,23000	1055
OM2 315LB6	132	230	990	0,87	94,9	94,9	94,4	1271	6,1	2,0	2,9	5,54000	1175
OM2 355MA6	160	267	990	0,91	95,2	95,0	94,3	1538	7,3	1,8	3,4	9,26600	1690
OM2 355MB6	200	334	990	0,91	95,3	95,2	94,6	1923	7,0	1,7	3,4	10,7620	1870
OM2 355L6	250	407	990	0,93	95,6	95,7	95,1	2404	7,1	1,6	3,3	12,8590	1980

8P Cast iron frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

TYPE	P	I	n	cos φ		η		M	Ia/In	Ma/Mn	Mk/Mn	J	m
	400V				100	75	50		Ist/In	Tst/Tn	Tmax/Tn		
	kW	A	1/min		%	%	%	Nm				Kg/m²	Kg
OM2 160MA8	4	9,3	715	0,75	82,4	82,8	82,5	52,4	5,3	1,8	2,9	0,06490	104
OM2 160MB8	5,5	12,4	720	0,76	86,6	84,8	84,3	72,3	6,0	2,1	3,2	0,08210	114
OM2 160L8	7,5	16,3	725	0,77	86,6	86,5	86,2	98,5	6,0	2,1	3,3	0,11400	132
OM2 180L8	11	23,3	725	0,77	88,7	88,9	88,4	143	6,4	2,1	3,0	0,16700	176
OM2 200L8	15	32,4	730	0,75	89,5	89,3	88,7	194	6,3	2,2	2,9	0,32500	232
OM2 225S8	18,5	39,1	730	0,76	90,7	90,2	89,7	239	6,6	2,2	2,8	0,48100	268
OM2 225M8	22	43,6	735	0,80	91,6	91,5	91,2	284	7,1	2,2	3,0	0,53100	288
OM2 250M8	30	59,7	735	0,80	91,8	90,4	90,0	386	6,0	2,0	3,0	0,80900	372
OM2 280S8	37	73,2	735	0,81	92,6	90,2	89,6	476	5,7	2,1	2,8	1,38100	567
OM2 280M8	45	89,3	735	0,79	93,2	93,6	93,1	579	5,8	2,1	2,9	1,72100	651
OM2 315S8	55	109	740	0,79	93,7	93,6	93,2	707	5,0	1,6	2,9	4,59000	1032
OM2 315M8	75	142	740	0,81	94,4	94,8	94,1	966	6,1	2,0	2,8	5,36000	1085
OM2 315LA8	90	167	740	0,83	94,7	93,9	93,4	1159	6,3	1,8	2,9	6,11000	1160
OM2 315LB8	110	205	740	0,82	95,1	93,5	93,2	1419	6,4	1,7	3,1	6,55000	1230
OM2 355MA8	132	247	745	0,82	95,4	95,4	95,0	1694	6,5	1,8	3,1	12,8500	1700
OM2 355MB8	160	288	745	0,85	95,7	95,7	95,2	2053	6,7	1,8	3,4	14,3400	1890
OM2 355L8	200	360	750	0,85	95,7	95,8	95,2	2570	6,0	1,7	3,1	15,8240	1850

2P Aluminium frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

TYPE	P	I	n	cos φ		η		M	Ia/In	Ma/Mn	Mk/Mn	J	m
	400V				100	75	50		Ist/In	Tst/Tn	Tmax/Tn		
	kW	A	1/min		%	%	%	Nm				Kg/m²	Kg
OM3 80A2	0,75	1,64	2830	0,82	80,7		79,2	2,5	7,0	3,1	3,3	0,00090	10
OM3 80B2	1,1	2,31	2830	0,83	82,7		81,2	3,7	7,3	3,2	3,2	0,00120	11
OM3 90S2	1,5	3,06	2840	0,84	84,2		82,7	5,0	7,6	3,3	3,9	0,00156	13,3
OM3 90L2	2,2	4,35	2840	0,85	85,9		83,9	7,7	7,6	3,3	4	0,00255	16,5
OM3 100L2	3	5,71	2870	0,87	87,1		85,1	10,0	7,8	3,2	3,6	0,00425	25
OM3 112M2	4	7,44	2890	0,88	88,1		86,3	13,2	8,3	3	3,8	0,00650	31
OM3 132SA2	5,5	10,11	2900	0,88	89,2		87,5	18,1	8,3	2,5	3,1	0,01418	44
OM3 132SB2	7,5	13,65	2900	0,88	90,1		88,6	24,7	7,9	2,6	3,2	0,01496	49

4P Aluminium frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

OM3 80B4	0,75	1,74	1390	0,75	82,5	82,1	80,7	5,2	6,6	3	3,1	0,00168	12,5
OM3 90S4	1,1	2,48	1400	0,76	84,1		82,4	7,5	6,8	2,9	3,1	0,00252	14
OM3 90L4	1,5	3,30	1400	0,77	85,3		84,1	10,2	7,0	2,8	3,5	0,00307	17
OM3 100LA4	2,2	4,52	1430	0,81	86,7		85,2	14,7	7,6	2,5	3,2	0,00656	24
OM3 100LB4	3	6,02	1430	0,82	87,7		86,3	20,0	7,6	2,8	3	0,00819	29
OM3 112M4	4	7,94	1440	0,82	88,6		87,1	26,5	7,8	2,8	3,1	0,01276	35
OM3 132S4	5,5	10,7	1440	0,83	89,6	89,1	88,3	36,5	7,9	2,7	3,2	0,02565	45
OM3 132M4	7,5	14,4	1465	0,83	90,4		89,7	48,9	7,5	2,8	3,2	0,03401	58

6P Aluminium frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

OM3 90S6	0,75	1,93	910	0,71	78,9		77,3	7,9	6,0	2,4	3	0,00317	14
OM3 90L6	1,1	2,68	910	0,73	81,0		79,1	11,5	6,0	2,5	3	0,00402	19
OM3 100L6	1,5	3,60	940	0,73	82,5		80,8	15,2	6,5	2,2	2,8	0,00845	24
OM3 112M6	2,2	5,09	940	0,74	84,3		82,3	22,4	6,6	2,4	2,8	0,01428	30
OM3 132S6	3	6,84	960	0,74	85,6		83,6	29,8	6,8	2,4	3	0,02971	41
OM3 132MA6	4	8,99	960	0,74	86,8	86,1	84,9	39,8	6,8	2,3	3,4	0,03916	51
OM3 132MB6	5,5	12,0	960	0,75	88,0		86,1	54,7	7,0	2,3	3,3	0,04989	62

2P Aluminium frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

TYPE	P	I	n	cos φ		η		M	Ia/In	Ma/Mn	Mk/Mn	J	m
	400V				100	75	50		Ist/In	Tst/Tn	Tmax/Tn		
	kW	A	1/min		%	%	%	Nm				Kg/m²	Kg
OM3 160MA2	11	20,1	2920	0,90	91,2	91,5	90,6	36,0	7,5	2,5	3,1	0,03700	135
OM3 160MB2	15	26,7	2935	0,91	92,0	92,0	91,1	48,8	7,3	2,7	3,8	0,04320	145
OM3 160L2	18,5	33,5	2935	0,90	92,5	92,6	91,7	60,2	7,5	2,8	3,7	0,05250	156
OM3 180M2	22	41,0	2930	0,90	92,8	92,4	92,3	71,7	7,7	2,8	3,5	0,07100	213
OM3 200LA2	30	54,7	2950	0,91	93,6	93,1	92,8	97,1	7,8	2,6	3,5	0,11900	255
OM3 200LB2	37	63,0	2950	0,90	93,8	93,6	93,6	119,8	7,5	2,7	3,5	0,13300	272
OM3 225M2	45	76,5	2955	0,90	94,2	93,8	93,4	145,4	7,7	2,6	3,6	0,22100	325
OM3 250M2	55	91,8	2960	0,90	94,8	94,7	93,8	177,4	7,5	2,4	2,7	0,30500	405
OM3 280S2	75	127,8	2980	0,90	95,1	95,1	94,3	240,4	7,2	2,4	3,4	0,58400	525
OM3 280M2	90	152,4	2975	0,90	95,2	95,2	94,4	288,9	7,2	2,3	3,2	0,66500	565
OM3 315S2	110	183,8	2980	0,90	95,2	94,9	94,5	352,5	7,0	1,8	3,4	1,13000	933
OM3 315M2	132	222,5	2980	0,90	95,4	95,4	95,0	423,0	7,0	1,8	3,3	1,75000	995
OM3 315LA2	160	263,6	2980	0,89	95,6	95,6	94,9	512,8	6,9	2,2	3,3	2,01000	1123
OM3 315LB2	200	337,3	2980	0,91	95,7	95,7	95,0	640,9	6,7	2,1	3,2	2,27000	1244
OM3 355M2	250	411,3	2985	0,91	95,8	95,5	94,3	799,8	7,8	2,2	3,7	3,29600	1812
OM3 355L2	315	523,2	2990	0,90	95,8	95,5	94,8	1.006,1	7,8	1,7	4,1	3,84900	1922

4P Aluminium frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

OM3 160M4	11	20,9	1465	0,82	91,5	91,5	89,9	71,7	7,2	2,1	3,0	0,07240	132
OM3 160L4	15	28,1	1465	0,82	92,3	92,5	91,9	97,8	7,8	2,2	3,1	0,09290	147
OM3 180M4	18,5	33,4	1465	0,85	92,6	91,9	91,1	120,6	7,2	2,2	3,1	0,13500	210
OM3 180L4	22	39,9	1465	0,85	93,1	92,9	92,7	143,4	7	2,1	3,1	0,13600	225
OM3 200L4	30	53,8	1475	0,88	93,8	93,7	92,8	194,2	7,2	2,4	3,2	0,24500	297
OM3 225S4	37	66,9	1480	0,86	94,0	94,1	92,3	238,8	6,8	2,2	3,0	0,39000	332
OM3 225M4	45	80,8	1480	0,86	94,2	94,3	93,0	290,4	7,2	2,4	3,2	0,45000	352
OM3 250M4	55	95,5	1475	0,88	94,6	94,6	93,5	356,1	6,6	2,4	3,2	0,64000	443
OM3 280S4	75	130,0	1485	0,87	95,1	94,9	93,9	482,3	6,6	2,4	3,1	1,04500	655

4P Aluminium frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

TYPE	P	I	n	cos φ		η		M	Ia/In	Ma/Mn	Mk/Mn	J	m
	400V				100	75	50		Ist/In	Tst/Tn	Tmax/Tn		
	kW	A	1/min		%	%	%	Nm				Kg/m²	Kg
OM3 280M4	90	158,3	1485	0,86	95,3	95,0	94,6	578,8	7,1	2,3	2,7	1,39600	695
OM3 315S4	110	192,5	1490	0,88	95,5	94,4	94,4	705,0	6,2	1,9	2,9	2,98000	1012
OM3 315M4	132	229,8	1490	0,87	95,8	95,5	94,2	846,0	6,5	1,9	2,8	3,48000	1045
OM3 315LA4	160	274,3	1490	0,87	96,1	95,8	94,5	1.025,5	6,5	2,0	3,0	3,96000	1134
OM3 315LB4	200	341,6	1485	0,86	96,2	95,9	95,7	1.286,2	7,2	2,2	3,0	4,47000	1287
OM3 355M4	250	435,2	1490	0,86	96,2	95,9	95,8	1.602,3	6,2	1,5	2,9	7,16400	1866
OM3 355L4	315	541,5	1490	0,87	96,2	95,9	95,7	2.019,0	6,9	2,1	3,2	8,70200	2065

6P Aluminium frame, IP 55, IC 411, insulation Class F, temp. rise Class B, 400 V – 50 Hz

OM3 160M6	7,5	16,0	970	0,77	89,2	88,6	87,9	73,8	6,1	2,1	2,3	0,08000	118
OM3 160L6	11	22,6	970	0,77	90,4	89,4	88,5	108,3	6,9	1,9	3,1	0,10800	135
OM3 180L6	15	29,6	970	0,80	91,3	91,5	90,1	147,7	6,5	2,1	3,0	0,16700	185
OM3 200LA6	18,5	35,3	975	0,82	91,8	91,1	91,0	181,2	6,7	2,1	3,2	0,30200	236
OM3 200LB6	22	41,6	975	0,81	92,3	92,1	91,1	215,5	7,1	2,1	3,1	0,34200	243
OM3 225M6	30	57,5	985	0,85	92,9	92,8	92,3	290,9	6,5	1,9	2,9	0,52500	296
OM3 250M6	37	65,9	985	0,85	93,4	93,1	92,5	358,7	6,9	1,9	3,1	0,80700	436
OM3 280S6	45	83,8	990	0,84	93,8	92,9	92,3	434,1	6,5	2,0	3,0	1,33400	565
OM3 280M6	55	99,6	990	0,84	94,2	94,3	93,4	530,6	7,1	2,1	3,0	1,59800	583
OM3 315S6	75	135,9	990	0,85	94,8	94,7	93,9	723,5	6,5	1,8	2,9	3,94000	923
OM3 315M6	90	162,8	990	0,85	95,1	94,8	94,1	868,2	6,6	2,0	2,8	4,58000	1008
OM3 315LA6	110	194,7	990	0,84	95,2	94,1	94,6	1.061,1	6,2	1,9	2,9	5,23000	1155
OM3 315LB6	132	228,9	990	0,85	95,5	95,2	94,7	1.273,3	6,1	2,0	2,9	5,54000	1195
OM3 355MA6	160	266,5	990	0,88	95,6	95,3	94,9	1.543,4	7,3	1,8	3,4	9,26600	1898
OM3 355MB6	200	333,8	995	0,87	95,7	95,4	95,0	1.919,6	7,2	1,7	3,4	10,7620	1988
OM3 355L6	250	406,7	995	0,87	95,8	95,5	95,3	2.399,5	7,1	1,6	3,3	12,8590	2118

ALUMINUM IE4

Type	Output (Kw)	Running Current (A)	Starting Current (A)	Power Factor	Eff (%)	Speed (r/min)	Tstart/Tn	Tmax/Tn	Ist/In	Net Weight (Kg)
2P	400V 50Hz Synchronous Speed 3000 r/min (2 Poles)									
OM4 80A2	0.75	1.6	8.80	0.83	84.9	2880	1.8	3.5	5.5	13
OM4 80B2	1.1	2.3	17.25	0.83	86.7	2880	2.6	3.5	7.5	14
OM4 90A2	1.5	3.1	22.01	0.83	87.5	2895	2.6	3.5	7.1	16
OM4 90B2	2.2	4.3	30.10	0.85	89.1	2895	2	3	7	17
OM4 100L2	3	5.8	49.88	0.87	89.7	2895	2	3.2	8.6	28
OM4 112M2	4	7.5	60.00	0.88	90.3	2905	1.8	2.9	8	34
OM4 132SA2	5.5	10	75	0.88	91.5	2930	2.1	2.5	7.5	48
OM4 132SB2	7.5	14	102.2	0.88	92.1	2930	2	3.5	7.3	55
4P	400V 50Hz Synchronous Speed 1500 r/min (4 Poles)									
OM4 80A4	0.75	1.8	10.80	0.74	85.6	1420	2.9	3.6	6	15
OM4 90A4	1.1	2.7	17.55	0.74	87.4	1445	2.7	3.8	6.5	17
OM4 90B4	1.5	3.5	23.80	0.74	88.1	1445	3	3.6	6.8	19
OM4 100LA4	2.2	4.7	32.90	0.78	89.7	1440	2.5	3.5	7	28
OM4 100LB4	3	6.4	46.08	0.78	90.3	1440	2.6	3.5	7.2	32
OM4 112M4	4	8.2	57.40	0.80	90.9	1440	2.3	3.2	7	38
OM4 132S4	5.5	11	78.10	0.80	92.1	1460	2.7	3.5	7.1	50
OM4 132M4	7.5	14.6	105.12	0.82	92.6	1460	2.7	3.8	7.2	62
6P	400V 50Hz Synchronous Speed 1000 r/min (6 Poles)									
OM4 90S6	0.75	2.1	9.45	0.72	83.1	930	2.2	2.4	4.5	17
OM4 90L6	1.1	2.9	13.05	0.73	84.1	940	2.4	2.6	4.5	19
OM4 100L6	1.5	3.7	15.54	0.75	86.2	940	1.8	2.2	4.2	29
OM4 112M6	2.2	5.2	23.4	0.76	87.1	950	2.3	2.8	4.5	38
OM4 132S6	3	6.95	31.275	0.76	88.7	955	1.8	2.4	4.5	48
OM4 132MA6	4	9.1	45.5	0.76	89.4	960	2.3	2.7	5	54
OM4 132MB6	5.5	12	66	0.77	89.7	960	1.9	2.8	5.5	60

CAST IRON IE4

Type	Rated Output		Efficiency	Power	Rated current		Rated	Rated	Ts/Tn	Tmax/Tn	Is/In	Weight
	kW	HP	η% (IE4)	factor cosφ	380V	400V	Speed (rpm)	Torque Nm				Kg
2P	3000r/min											
OM4-80MA-2	0.75	1	83.5	0.83	1.64	1.56	2880	2.49	2.2	2.3	8.5	20
OM4-80MB-2	1.1	1.5	85.2	0.83	2.36	2.25	2885	3.64	2.2	2.3	8.5	22
OM4-90S-2	1.5	2	86.5	0.85	3.10	2.94	2885	4.97	2.2	2.3	9	26
OM4-90L-2	2.2	3	88.0	0.86	4.42	4.20	2895	7.26	2.2	2.3	9	30
OM4-100L-2	3	4	89.1	0.87	5.88	5.59	2915	9.83	2.2	2.3	9.5	36
OM4-112M-2	4	5.5	90.0	0.88	7.67	7.29	2915	13.1	2.2	2.3	9.5	45
OM4-132SA-2	5.5	7.5	90.9	0.88	10.4	9.92	2940	17.9	2.0	2.3	9.5	70
OM4-132SB-2	7.5	10	91.7	0.89	14.0	13.3	2940	24.4	2.0	2.3	9.5	80
OM4-160MA-2	11	15	92.6	0.89	20.3	19.3	2960	35.5	2.0	2.3	9.5	155
OM4-160MB-2	15	20	93.3	0.89	27.4	26.1	2960	48.4	2.0	2.3	9.5	165
OM4-160L-2	18.5	25	93.7	0.89	33.7	32.0	2960	59.7	2.0	2.3	9.5	172
OM4-180M-2	22	30	94.0	0.89	40.0	38.0	2960	71	2.0	2.3	9.5	208
OM4-200LA-2	30	40	94.5	0.89	54.2	51.5	2965	97	2.0	2.3	9	280
OM4-200LB-2	37	50	94.8	0.89	66.6	63.3	2965	119	2.0	2.3	9	300
OM4-225M-2	45	60	95.0	0.89	80.9	76.8	2965	145	2.0	2.3	9	350
OM4-250M-2	55	75	95.3	0.89	98.5	93.6	2975	177	2.0	2.3	9	430
OM4-280S-2	75	100	95.6	0.89	134	127	2980	240	1.8	2.3	8.5	650
OM4-280M-2	90	125	95.8	0.89	160	152	2980	288	1.8	2.3	8.5	710
OM4-315S-2	110	150	96.0	0.90	193	184	2985	352	1.8	2.3	8.5	990
OM4-315M-2	132	180	96.2	0.90	232	220	2985	422	1.8	2.3	8.5	1100
OM4-315LA-2	160	220	96.3	0.91	277	264	2985	512	1.8	2.2	8.5	1130
OM4-315L-2	185	250	96.3	0.91	321	305	2985	592	1.8	2.2	8.5	1280
OM4-315LB-2	200	270	96.5	0.91	346	329	2985	640	1.8	2.2	8.5	1300
OM4-355MA-2	220	300	96.5	0.91	381	362	2985	704	1.6	2.2	8.5	1780
OM4-355MB-2	250	340	96.5	0.91	433	411	2985	800	1.6	2.2	8.5	1780
OM4-355MC-2	280	375	96.5	0.91	484	460	2985	896	1.6	2.2	8.5	1890
OM4-355L-2	315	430	96.5	0.91	545	518	2985	1008	1.6	2.2	8.5	1890
OM4-355LA-2	355	470	96.5	0.90	621	590	2985	1136	0.9	1.8	8.6	2400
OM4-355LB-2	375	500	96.5	0.90	656	623	2985	1200	0.9	1.8	8.5	2500

CAST IRON IE4

Type	Rated Output		Efficiency	Power	Rated current		Rated	Rated	Ts/Tn	Tmax/Tn	Is/In	Weight
	kW	HP	η% (IE4)	factor cosφ	380V	400V	Speed (rpm)	Torque Nm				Kg
4P	1500r/min											
OM4-80MA-4	0.55	0.75	83.9	0.72	1.38	1.31	1425	3.69	2.3	2.3	8.0	19
OM4-80MB-4	0.75	1	85.7	0.74	1.80	1.71	1435	4.99	2.3	2.3	8.5	21
OM4-90S-4	1.1	1.5	87.2	0.75	2.56	2.43	1435	7.32	2.3	2.3	8.5	28
OM4-90L-4	1.5	2	88.2	0.78	3.31	3.15	1435	9.98	2.3	2.3	9	32
OM4-100LA-4	2.2	3	89.5	0.79	4.73	4.49	1450	14.5	2.3	2.3	9	37
OM4-100LB-4	3	4	90.4	0.80	6.30	5.99	1450	19.8	2.3	2.3	9.5	42
OM4-112M-4	4	5.5	91.1	0.80	8.34	7.92	1460	26.2	2.3	2.3	9.5	50
OM4-132S-4	5.5	7.5	91.9	0.80	11.4	10.8	1465	35.9	2.0	2.3	9.5	79
OM4-132M-4	7.5	10	92.6	0.81	15.2	14.4	1465	48.9	2.0	2.3	9.5	82
OM4-160M-4	11	15	93.3	0.83	21.6	20.5	1465	71.7	2.0	2.3	9.5	150
OM4-160L-4	15	20	93.9	0.84	28.9	27.4	1470	97.4	2.0	2.3	9.5	170
OM4-180M-4	18.5	25	94.2	0.85	35.1	33.3	1470	120	2.0	2.3	9.5	205
OM4-180L-4	22	30	94.5	0.85	41.6	39.5	1470	143	2.0	2.3	9.5	230
OM4-200L-4	30	40	94.9	0.85	56.5	53.7	1475	194	2.0	2.3	9	350
OM4-225S-4	37	50	95.2	0.86	68.7	65.2	1480	239	2.0	2.3	9	380
OM4-225M-4	45	60	95.4	0.86	83.3	79.2	1480	290	2.0	2.3	9	410
OM4-250M-4	55	75	95.7	0.86	102	96.5	1480	355	2.0	2.3	9	500
OM4-280S-4	75	100	96.0	0.87	136	130	1485	482	1.8	2.3	8.5	650
OM4-280M-4	90	125	96.1	0.88	162	154	1485	579		2.3	8.5	720
OM4-315S-4	110	150	96.3	0.89	195	185	1485	707	1.8	2.2	8.5	1050
OM4-315M-4	132	180	96.4	0.89	234	222	1485	849	1.8	2.2	8.5	1120
OM4-315LA-4	160	220	96.6	0.90	280	266	1485	1029	1.8	2.2	8.5	1230
OM4-315L-4	185	250	96.6	0.90	323	307	1485	1190	1.8	2.2	8.5	1240
OM4-315LB-4	200	270	96.7	0.90	349	332	1485	1286	1.8	2.2	8.5	1280
OM4-355MA-4	220	300	96.7	0.90	384	365	1490	1410	1.6	2.2	8.5	1860
OM4-355MB-4	250	340	96.7	0.90	436	415	1490	1602	1.6	2.2	8.5	1860
OM4-355MC-4	280	375	96.7	0.90	489	464	1490	1795	1.6	2.2	8.5	2060
OM4-355L-4	315	430	96.7	0.90	550	522	1490	2019	1.6	2.2	8.5	2060
OM4-355LA-4	355	470	96.7	0.88	634	602	1485	2283	0.9	1.8	8.6	2450
OM4-355LB-4	375	500	96.7	0.88	670	636	1485	2412	0.9	1.8	8.6	2550

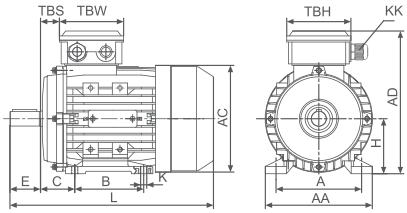
CAST IRON IE4

Type	Rated Output		Efficiency	Power	Rated current		Rated	Rated	Ts/Tn	Tmax/Tn	Is/In	Weight
	kW	HP	η% (IE4)	factor cosφ	380V	400V	Speed (rpm)	Torque Nm				Kg
6P	1000r/min											
OM4-80MA-6	0.37	0.5	78.0	0.66	1.09	1.04	940	3.76	2.1	2.0	8.5	19
OM4-80MB-6	0.55	0.75	80.9	0.67	1.54	1.46	940	5.59	2.1	2.1	8.5	21
OM4-90S-6	0.75	1	82.7	0.70	1.97	1.87	960	7.46	2.1	2.1	7.5	29
OM4-90L-6	1.1	1.5	84.5	0.70	2.83	2.68	960	10.9	2.1	2.1	7.5	33
OM4-100L-6	1.5	2	85.9	0.71	3.74	3.55	955	15.0	2.1	2.1	7.5	43
OM4-112M-6	2.2	3	87.4	0.71	5.39	5.12	970	21.7	2.1	2.1	7.5	50
OM4-132S-6	3	4	88.6	0.71	7.25	6.88	975	29.4	2.0	2.1	7.5	60
OM4-132MA-6	4	5.5	89.5	0.72	9.43	8.96	975	39.2	2.0	2.1	7.5	67
OM4-132MB-6	5.5	7.5	90.5	0.72	12.8	12.2	975	53.9	2.0	2.1	8	83
OM4-160M-6	7.5	10	91.3	0.78	16.0	15.2	980	73.1	2.0	2.1	8	140
OM4-160L-6	11	15	92.3	0.79	22.9	21.8	980	107	2.0	2.1	8.5	170
OM4-180L-6	15	20	92.9	0.80	30.7	29.1	985	145	2.0	2.1	8.5	192
OM4-200LA-6	18.5	25	93.4	0.80	37.6	35.7	985	179	2.0	2.1	8.5	270
OM4-200LB-6	22	30	93.7	0.81	44.0	41.8	985	213	2.0	2.1	8.3	304
OM4-225M-6	30	40	94.2	0.82	59.0	56.1	985	291	2.0	2.1	8.3	340
OM4-250M-6	37	50	94.5	0.83	71.7	68.1	990	357	2.0	2.1	8.5	460
OM4-280S-6	45	60	94.8	0.85	84.9	80.6	990	434	2.0	2.0	8.5	600
OM4-280M-6	55	75	95.1	0.86	102	97.1	990	531	2.0	2.0	8	630
OM4-315S-6	75	100	95.4	0.84	142	135	990	723	2.0	2.0	8	1030
OM4-315M-6	90	125	95.6	0.85	168	160	990	868	2.0	2.0	8	1240
OM4-315LA-6	110	150	95.8	0.85	205	195	990	1061	1.6	2.0	8	1300
OM4-315LB-6	132	180	96.0	0.86	243	231	990	1273	1.6	2.0	8	1390
OM4-355MA-6	160	220	96.2	0.86	294	279	990	1543	1.6	2.0	8	1800
OM4-355M-6	185	250	96.2	0.86	340	323	990	1785	1.6	2.0	8	2000
OM4-355MB-6	200	270	96.3	0.86	367	349	990	1929	1.6	2.0	8	2000
OM4-355MC-6	220	300	96.3	0.86	404	383	990	2122	1.6	2.0	8	2200
OM4-355L-6	250	340	96.5	0.86	458	435	990	2412	1.6	2.0	8	2370
OM4-355LA-6	280	375	96.6	0.82	537	510	990	2701	0.9	2.0	8	2500
OM4-355LB-6	315	430	96.6	0.82	604	574	990	3039	0.9	1.8	7.9	2650

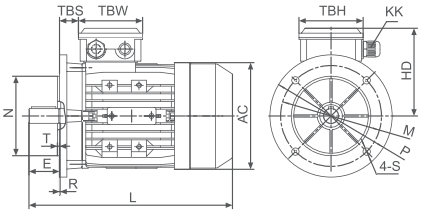
DIMENSION STANDARD AC MOTORS

IE1 - B3, B5, B14, B34, B35 - Aluminum

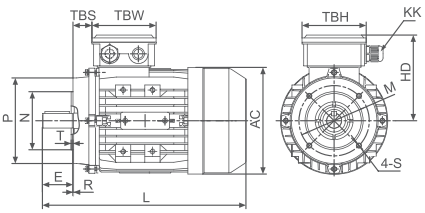
IM B3



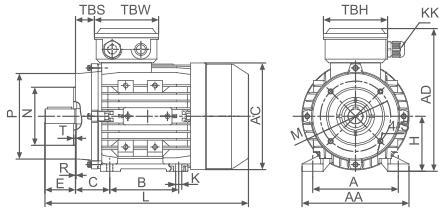
IM B5



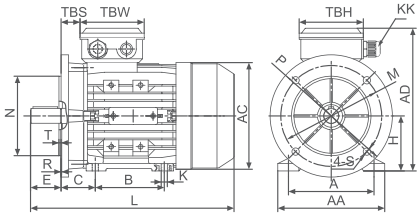
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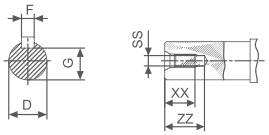


IM B34



IM B35



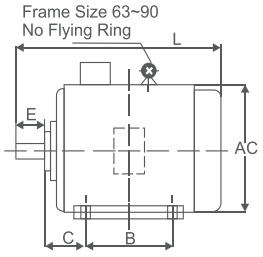


Frame	Foot Mounting					Shaft							General									
	H	A	B	C	K	D	E	F	G	SS	XX	ZZ	AA	AD	HD	AC	L	LCCL☆	KK	TBS	TBW	TBH
56	56	90	71	36	5.8X8.8	Ø9	20	3	7.2	M3	9	12	110	156	100	Ø117	196	232	1-M16X1.5	14	88	88
63	63	100	80	40	7X10	Ø11	23	4	8.5	M4	10	14	120	171	108	Ø130	220	258	1-M16X1.5	14	94	94
71☆☆	71	112	90	45	7X10	Ø14	30	5	11	M5	12	17	132	186	115	Ø147	241(255)	282(296)	1-M20X1.5	20	94	94
80	80	125	100	50	10X13	Ø19	40	6	15.5	M6	16	21	160	213	133	Ø163	290	339	1-M20X1.5	27	105	105
90S	90	140	100	56	10X13	Ø24	50	8	20	M8	19	25	175	229	139	Ø183	312	361	1-M20X1.5	30	105	105
90L1/L2	90	140	125	56	10X13	Ø24	50	8	20	M8	19	25	175	229	139	Ø183	337/367	386/416	1-M20X1.5	30	105	105
100☆☆	100	160	140	63	12X15	Ø28	60	8	24	M10	22	30	198	252	152	Ø205	369(387)	425(443)	2-M20X1.5	26	105	105
112	112	190	140	70	12X15	Ø28	60	8	24	M10	22	30	220	279	167	Ø229	395	463	2-M25X1.5	32	112	112
132S	132	216	140	89	12X15	Ø38	80	10	33	M12	28	37	252	318	186	Ø265	437	497	2-M25X1.5	38	112	112
132M/L	132	216	178	89	12X15	Ø38	80	10	33	M12	28	37	252	318	186	Ø265	475/501	535/561	2-M25X1.5	38	112	112
160M/L	160	254	210/254	108	15X19	Ø42	110	12	37	M16	36	45	290	384	224	Ø325	640	697	2-M32X1.5	64	143	143
180M/L	180	279	241/279	121	15X25	Ø48	110	14	42.5	M16	36	45	340	440	260	Ø368	730		2-M32X1.5	73	190	190
200L	200	318	305	133	19X29	Ø55	110	16	49	M20	42	53	390	460	260	Ø368	745		2-M40X1.5	85	190	190

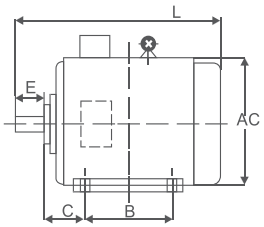
Frame	B5						B5R						B14						B14B					
	M	N	P	T	S	R	M	N	P	T	S	R	N	M	P	T	S	R	N	M	P	T	S	R
56	Ø100	Ø80	Ø120	3.0	Ø7	0							Ø50	Ø65	Ø80	2.5	M5	0						
63	Ø115	Ø95	Ø140	3.0	Ø10	0							Ø60	Ø75	Ø90	2.5	M5	0	Ø80	Ø100	Ø120	3.0	M6	0
71☆☆	Ø130	Ø110	Ø160	3.5	Ø10	0	Ø115	Ø95	Ø140	3.5	Ø10	0	Ø70	Ø85	Ø105	2.5	M6	0	Ø95	Ø115	Ø140	3.0	M8	0
80	Ø165	Ø130	Ø200	3.5	Ø12	0	Ø130	Ø110	Ø160	3.5	Ø10	0	Ø80	Ø100	Ø120	3.0	M6	0	Ø110	Ø130	Ø160	3.5	M8	0
90S	Ø165	Ø130	Ø200	3.5	Ø12	0	Ø130	Ø110	Ø160	3.5	Ø10	0	Ø95	Ø115	Ø140	3.0	M8	0	Ø110	Ø130	Ø160	3.5	M8	0
90L1/L2	Ø165	Ø130	Ø200	3.5	Ø12	0	Ø130	Ø110	Ø160	3.5	Ø10	0	Ø95	Ø115	Ø140	3.0	M8	0	Ø110	Ø130	Ø160	3.5	M8	0
100☆☆	Ø215	Ø180	Ø250	4.0	Ø15	0	Ø165	Ø130	Ø200	4.0	Ø12	0	Ø110	Ø130	Ø160	3.5	M8	0	Ø130	Ø165	Ø200	3.5	M10	0
112	Ø215	Ø180	Ø250	4.0	Ø15	0	Ø165	Ø130	Ø200	4.0	Ø12	0	Ø110	Ø130	Ø160	3.5	M8	0	Ø130	Ø165	Ø200	3.5	M10	0
132S	Ø265	Ø230	Ø300	4.0	Ø15	0	Ø215	Ø180	Ø250	4.0	Ø15	0	Ø130	Ø165	Ø200	4.0	M10	0	Ø180	Ø215	Ø250	4.0	M12	0
132M/L	Ø265	Ø230	Ø300	4.0	Ø15	0	Ø215	Ø180	Ø250	4.0	Ø15	0	Ø130	Ø165	Ø200	4.0	M10	0	Ø180	Ø215	Ø250	4.0	M12	0
160M/L	Ø300	Ø250	Ø350	5.0	Ø19	0							Ø180	Ø215	Ø250	4.0	M12	0						
180M/L	Ø300	Ø250	Ø350	5.0	Ø19	0																		
200L	Ø350	Ø300	Ø400	5.0	Ø19	0																		

☆☆ This frame size has two housing sizes, the rated output is for normal "L" size,and increased output is for thd bigger "L" size (refer to the figures in the bracket "( )")

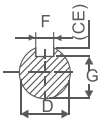
IE1 - B3 - Cast iron

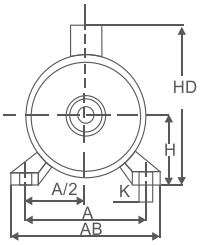


Frame Size 63~132

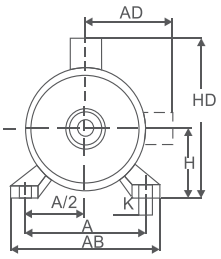


Frame Size 160~355





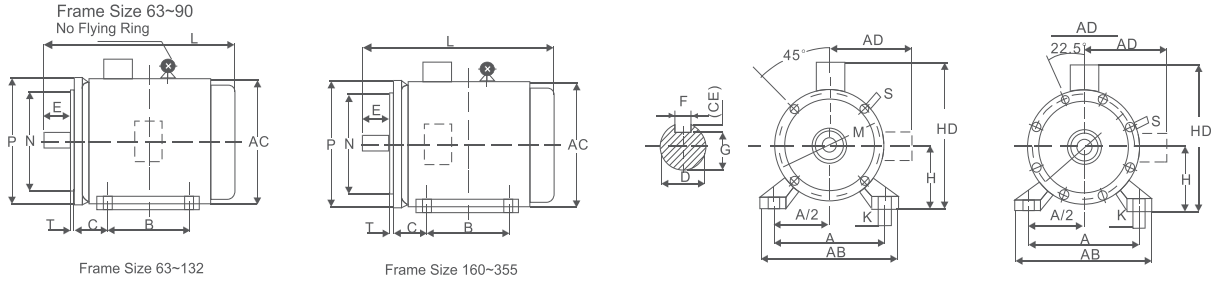
Frame Size 63~71



Frame Size 80~355

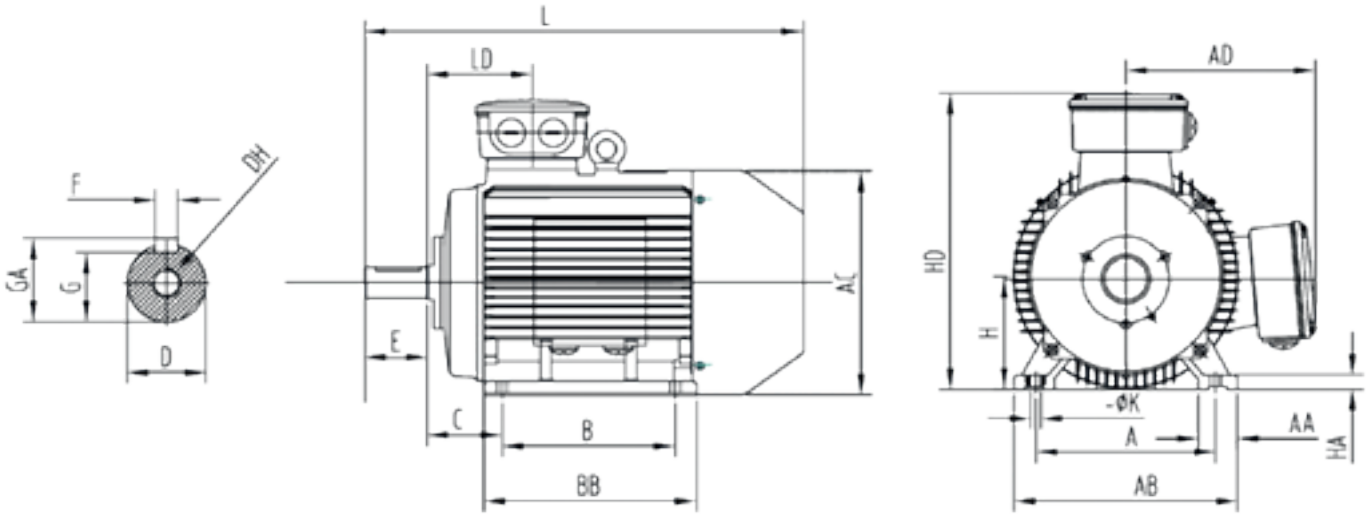
Frame No.	Poles	Mounting Dimensions & Tolerance																Frame Dimensions				
		A	A/2	B	C		D		E		F		G[1]		H		K[2]		AB	AC	AD	HD	L
80	2,4,6,8	125	62.5	100	50	±1.5	19	+0.009 -0.004	40	±0.31	6	0 -0.036	15.5	0 -0.10	80	0 -0.5	10	+0.036 0	165	175	145	220	295
90S		140	70	100	56		24		50		8		20	0 -0.20	90								320
90L				125															180	195	155	250	345
100L		160	80	140	63	±2.0	28		60	±0.37			24		100		12	+0.430 0	205	215	180	270	385
112M		190	95	140	70										112				230	240	190	300	400
132S		216	108	140	89		38	+0.018 +0.002	80		10		33		132				270	275	210	345	470
132M				178																			510
160M		254	127	210	108	±3.0	42		110	±0.43	12		37		160		15		320	330	255	420	615
160L				254																			670
180M		279	139.5	241	121		48				14		42.5		180				355	380	280	455	700
180L				279																			740
200L		318	159	305	133	±4.0	55	+0.030 +0.011	140	±0.50	16		49		200		19		395	420	305	505	770
225S	4,8	356	178	286	149		60				18	0 -0.043	53		225				435	470	335	560	815
225M	2			311			55		110	±0.43	16		49										820
	4,6,8						60						53										845
250M	2	406	203	349	168						18				250	0 -1.0	24		490	510	370	615	910
	4,6,8						65						58										
280S	2	457	228.5	368	190										280				550	580	410	680	985
	4,6,8						75		140		20	0 -0.052	67.5										
280M	2			419			65				18	0 -0.043	58										1035
	4,6,8						75				20	0 -0.052	67.5										
315S	2	508	254	406	216		65				18	0 -0.043	58		315		28		635	645	530	845	1185
	4,6,8,10						80		170	±0.50	22	0 -0.052	71										1215
315M	2			457			65		140		18	0 -0.043	58										1295
	4,6,8,10						80		170		22	0 -0.052	71										1325
315L	2						65		140		18	0 -0.043	58										1295
	4,6,8,10						80		170		22		71										1325
355M	2	610	305	560	254		75		140		20	0 -0.052	67.5		355				730	710	655	1010	1500
	4,6,8,10						95	+0.035 +0.013	170		25		86										1530
355L	2			630			75	+0.030 +0.011	140		20		67.5										1500
	4,6,8,10						95	+0.035 +0.013	170		25		86										1530

IE1 - B35 - Cast iron



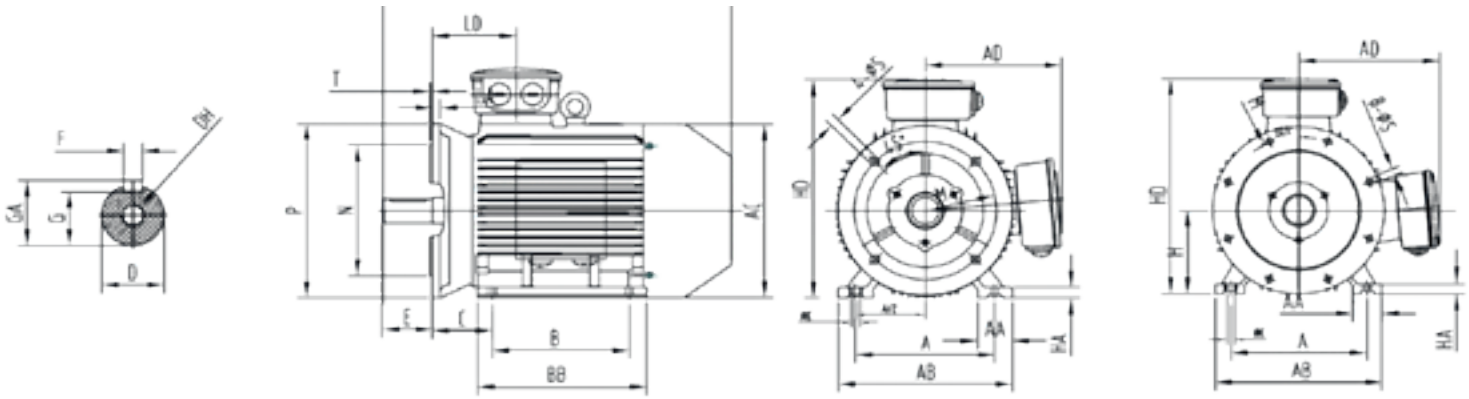
Frame No.	Poles	Mounting Dimensions & Tolerance																					Frame Dimensions				
		A	A/2	B	C	D	E	F	G[1]	H	K[2]	M	N	P[3]	R[4]	S	T	Holes No.	AB	AC	AD	HD	L
80	2,4,6,8	125	63	100	50 ±1.5	19 +0.009 -0.004	40 ±0.310	6 0 -0.030	16 0 -0.10	80 0 -0.5	10 +0.360 0	165	130	+0.014 -0.011	200	±1.5	12 +0.43 0	3.5	4	165	175	145	220	295
90S		140	70	100	56 ±1.5	24 +0.009 -0.004	50 ±0.310	8 0 -0.036	20	90	12 +0.360 0	165	130	+0.014 -0.011	200	±1.5	12 +0.43 0	3.5	4	180	195	155	250	320
90L				125																					345
100L		160	80	140	63 ±2.0	28 +0.009 -0.004	60 ±0.370		24	100 0 -0.5	+0.430 0	215	180		250	±2.0	15 +0.43 0	4	4	205	215	180	270	385
112M		190	95	140	70					112										230	240	190	300	400
132S		216	108	140	89	38 +0.018 +0.002	80 ±0.370	10 0 -0.036	33	132 0 -0.5		265	230		300					270	275	210	345	470
132M				178																					510
160M		254	127	210	108 ±3.0	42 +0.018 +0.002	110 ±0.430	12 0 -0.043	37	160 0 -0.5	15 +0.520 0	300	250	+0.016 -0.013	350	±3.0	19 +0.52 0	5	0 -0.12	320	330	255	420	615
160L				254																					670
180M		279	140	241	121 ±3.0	48 +0.018 +0.002		14 0 -0.043	43	180 0 -0.5										355	380	280	455	700
180L				279																					740
200L		318	159	305	133 ±4.0	55 +0.030 +0.011		16 0 -0.043	49	200 0 -0.5		350	300	±0.016	400					395	420	305	505	770
225S	4,8	356	178	286	149 ±4.0	60 +0.030 +0.011	140 ±0.500	18 0 -0.043	53	225 0 -0.5	19 +0.520 0	400	350	±0.018	450	±4.0	19 +0.52 0	5	0 -0.12	435	470	335	560	815
225M	2			311		55 +0.030 +0.011	110 ±0.430	16 0 -0.043	53															820
	4,6,8					60 +0.030 +0.011	140 ±0.500	18 0 -0.043	49															845
250M	2	406	203	349	168 ±4.0				58	250 0 -1.0		500	450	±0.020	550	0				490	510	370	615	910
	4,6,8					65 +0.030 +0.011																		
280S	2	457	229	368	190 ±4.0				68 0 -0.20	280 0 -1.0	24 +0.520 0									550	580	410	680	985
	4,6,8					75 +0.030 +0.011		20 0 -0.052																
280M	2			419		65 +0.030 +0.011		18 0 -0.043	58															1035
	4,6,8,10					75 +0.030 +0.011		20 0 -0.052	68															
315S	2	508	254	406	216 ±4.0	65 +0.030 +0.011	170 ±0.500	18 0 -0.043	58	315 0 -1.0	28 +0.520 0	600	550	±0.022	660	±4.0	24 +0.52 0	6	0 -0.15	635	645	530	845	1185
	4,6,8,10					80 +0.030 +0.011		22 0 -0.052	71															1215
315M	2			457		65 +0.030 +0.011	140 ±0.500	18 0 -0.043	58															1295
	4,6,8,10					80 +0.030 +0.011	170 ±0.500	22 0 -0.052	71															1325
315L	2			508		65 +0.030 +0.011	140 ±0.500	18 0 -0.043	58															1295
	4,6,8,10					80 +0.030 +0.011	170 ±0.500	22 0 -0.052	71															1325
355M	2	610	305	560	254 ±4.0	75 +0.030 +0.011	140 ±0.500	20 0 -0.052	68	355 0 -1.0	28 +0.520 0	740	680	±0.025	800	±4.0	24 +0.52 0	6	0 -0.15	730	710	655	1010	1500
	4,6,8,10					95 +0.035 +0.013	170 ±0.500	25 0 -0.052	86															1530
355L	2			630		75 +0.030 +0.011	140 ±0.500	20 0 -0.052	68															1500
	4,6,8,10					95 +0.035 +0.013	170 ±0.500	25 0 -0.052	86															1530

IE2 - B3 - Aluminium



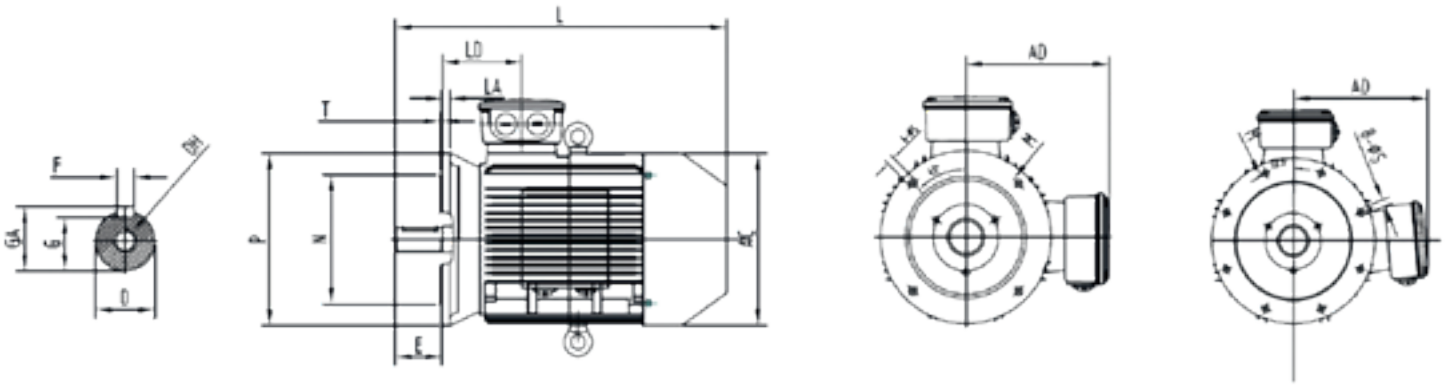
Frame size	Poles	A	B	B1	C	D	E	F	G	H	K	DH	GA	AA	AB	AC	AD	HA	HD	BB	LD	L
63	2-8	100	80	-	40	11	23	4	8,5	63	7	M4X10	12,5	32	120	125	110	7	173	103	62	215
71	2-8	112	90	-	45	14	30	5	11	71	10	M5X13	16	32	132	139	117	10	188	105	68	255
80	2-8	125	100	-	50	19	40	6	15,5	80	10	M6x16	21,5	41	160	156	137	10	217	130	80	290
90S	2-8	140	100	-	56	24	50	8	20	90	10	M8x19	27	45	175	174,5	143,5	12	233,5	155	83,5	333
90L	2-8	140	125	-	56	24	50	8	20	90	10	M8x19	27	45	175	174,5	143,5	12	233,5	155	83,5	365
100L	2-8	160	140	-	63	28	60	8	24	100	12	M10x22	31	50	196	197	152	14	252	176	83,5	386
112M	2-8	190	140	-	70	28	60	8	24	112	12	M10x22	31	55	220	221	179	14	291	180	88	394,5
132S	2-8	216	140	-	89	38	80	10	33	132	15	M12x28	41	58	270	265	193	16	325	176	94	440
132M	2-8	216	178	-	89	38	80	10	33	132	15	M12x28	41	58	270	265	193	16	325	214	94	475

IE2 - B35 - Aluminium



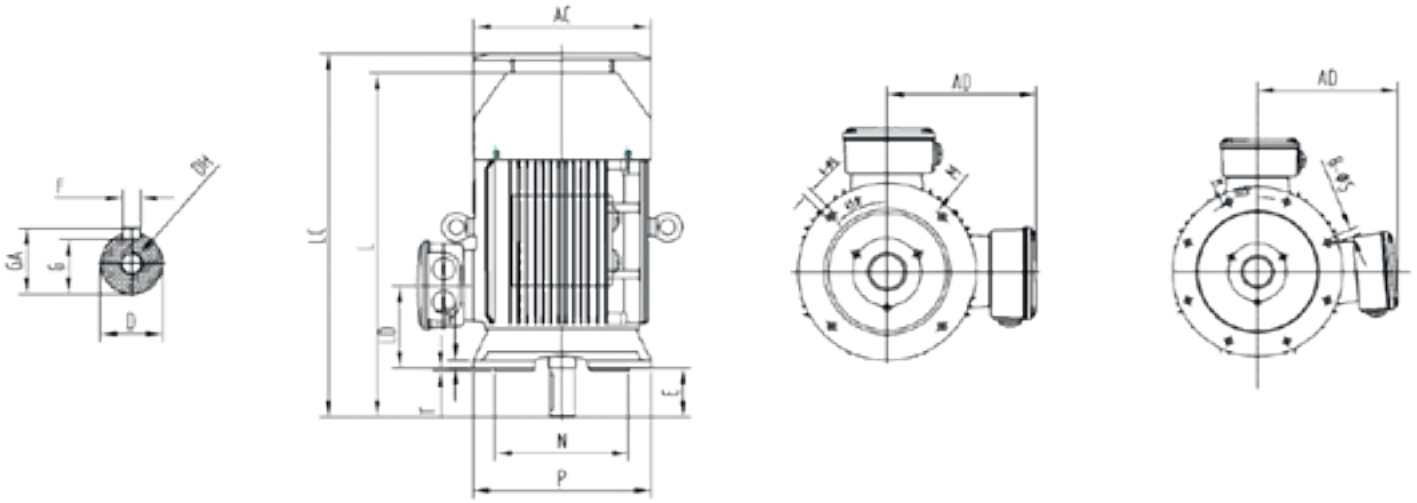
Frame size	Poles	A	B	B1	C	D	E	F	G	H	K	DH	GA	AA	AB	AC	AD	HA	HD	BB	LD	L
63	2-8	100	80	-	40	11	23	4	8,5	63	7	M4X10	12,5	32	120	125	110	7	173	103	62	215
71	2-8	112	90	-	45	14	30	5	11	71	10	M5X13	16	32	132	139	117	10	188	105	68	255
80	2-8	125	100	-	50	19	40	6	15,5	80	10	M6x16	21,5	41	160	156	137	10	217	130	80	290
90S	2-8	140	100	-	56	24	50	8	20	90	10	M8x19	27	45	175	174,5	143,5	12	233,5	155	83,5	333
90L	2-8	140	125	-	56	24	50	8	20	90	10	M8x19	27	45	175	174,5	143,5	12	233,5	155	83,5	365
100L	2-8	160	140	-	63	28	60	8	24	100	12	M10x22	31	50	196	197	152	14	252	176	83,5	386
112M	2-8	190	140	-	70	28	60	8	24	112	12	M10x22	31	55	220	221	179	14	291	180	88	394,5
132S	2-8	216	140	-	89	38	80	10	33	132	15	M12x28	41	58	270	265	193	16	325	176	94	440
132M	2-8	216	178	-	89	38	80	10	33	132	15	M12x28	41	58	270	265	193	16	325	214	94	475

IE2 - B5 - Aluminium



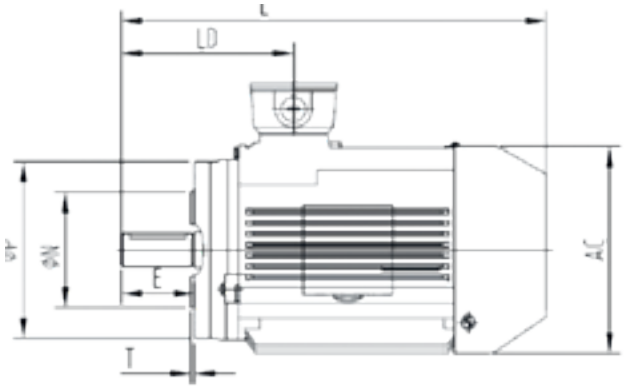
Frame size	Poles	D	E	F	G	M	N	P	S	T	DH	GA	AC	HD	LA	LD	L
63	2-8	11	23	4	8,5	115	95	140	4-Ø10	3	M4X10	12,5	125	173	-	62	215
71	2-8	14	30	5	11	130	110	160	4-Ø10	3,5	M5X13	16	139	188	-	68	255
80	2-8	19	40	6	15,5	165	130	200	4-Ø12	3,5	M6x16	21,5	156	217	-	80	290
90S	2-8	24	50	8	20	165	130	200	4-Ø12	3,5	M8x19	27	174,5	233,5	-	83,5	333
90L	2-8	24	50	8	20	165	130	200	4-Ø12	3,5	M8x19	27	174,5	233,5	-	83,5	365
100L	2-8	28	60	8	24	215	180	250	4-Ø14,5	4	M10x22	31	197	252	-	83,5	386
112M	2-8	28	60	8	24	215	180	250	4-Ø14,5	4	M10x22	31	221	291	-	88	394,5
132S	2-8	38	80	10	33	265	230	300	4-Ø14,5	4	M12x28	41	265	325	-	94	440
132M	2-8	38	80	10	33	265	230	300	4-Ø14,5	4	M12x28	41	265	325	-	94	475

IE2 - V1 - Aluminium



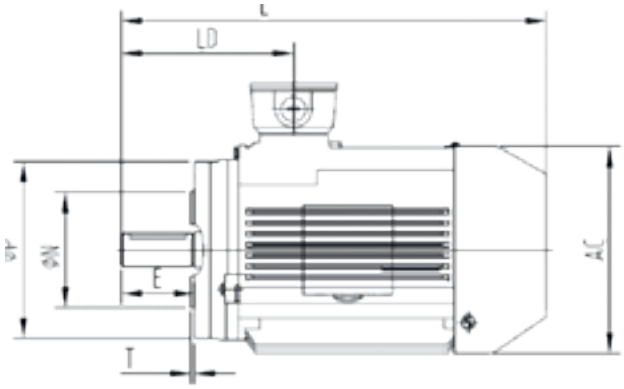
Frame size	Poles	D	E	F	G	M	N	P	S	T	DH	GA	AC	HD	LA	LD	L
63	2-8	11	23	4	8,5	115	95	140	4-Ø10	3	M4X10	12,5	125	173	-	62	215
71	2-8	14	30	5	11	130	110	160	4-Ø10	3,5	M5X13	16	139	188	-	68	255
80	2-8	19	40	6	15,5	165	130	200	4-Ø12	3,5	M6x16	21,5	156	217	-	80	290
90S	2-8	24	50	8	20	165	130	200	4-Ø12	3,5	M8x19	27	174,5	233,5	-	83,5	333
90L	2-8	24	50	8	20	165	130	200	4-Ø12	3,5	M8x19	27	174,5	233,5	-	83,5	365
100L	2-8	28	60	8	24	215	180	250	4-Ø14,5	4	M10x22	31	197	252	-	83,5	386
112M	2-8	28	60	8	24	215	180	250	4-Ø14,5	4	M10x22	31	221	291	-	88	394,5
132S	2-8	38	80	10	33	265	230	300	4-Ø14,5	4	M12x28	41	265	325	-	94	440
132M	2-8	38	80	10	33	265	230	300	4-Ø14,5	4	M12x28	41	265	325	-	94	475

IE2 - B14C - Aluminium



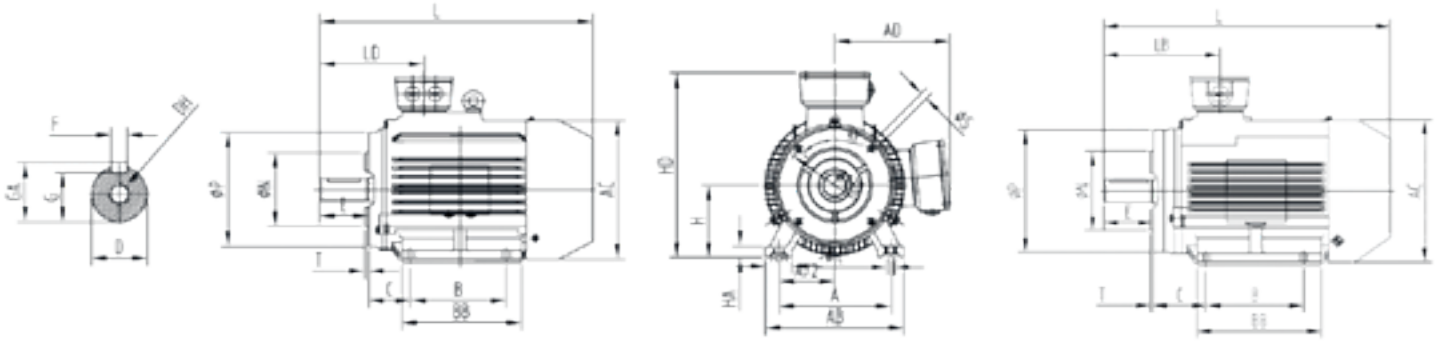
Frame size	Poles	D	E	F	G	M	N	P	S	T	DH	GA	AC	HD	LA	LD	L
63	2-8	11	23	4	8,5	75	60	90	4-M5	2,5	M4X10	12,5	125	173	-	62	215
71	2-8	14	30	5	11	85	70	105	4-M6	2,5	M5X13	16	139	188	-	68	255
80	2-8	19	40	6	15,5	100	80	120	4-M6	3	M6x16	21,5	156	217	-	80	290
90S	2-8	24	50	8	20	115	95	140	4-M8	3	M8x19	27	174,5	233,5	-	83,5	333
90L	2-8	24	50	8	20	115	95	140	4-M8	3	M8x19	27	174,5	233,5	-	83,5	365
100L	2-8	28	60	8	24	130	110	160	4-M8	3,5	M10x22	31	197	252	-	83,5	386
112M	2-8	28	60	8	24	130	110	160	4-M8	3,5	M10x22	31	221	291	-	88	394,5
132S	2-8	38	80	10	33	165	130	200	4-M10	3,5	M12x28	41	265	325	-	94	440
132M	2-8	38	80	10	33	165	130	200	4-M10	3,5	M12x28	41	265	325	-	94	475

IE2 - B14B - Aluminium



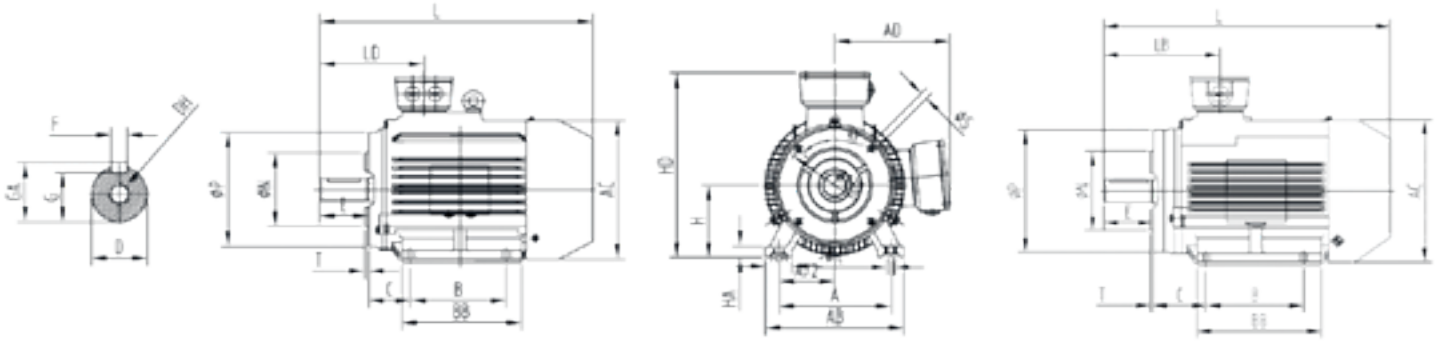
Frame size	Poles	D	E	F	G	M	N	P	S	T	DH	GA	AC	HD	LA	LD	L
63	2-8	11	23	4	8,5	100	80	120	4-M6	3	M4X10	12,5	125	173	-	62	215
71	2-8	14	30	5	11	115	95	140	4-M8	3	M5X13	16	139	188	-	68	255
80	2-8	19	40	6	15,5	130	110	160	4-M8	3,5	M6x16	21,5	156	217	-	80	290
90S	2-8	24	50	8	20	130	110	160	4-M8	3,5	M8x19	27	174,5	233,5	-	83,5	333
90L	2-8	24	50	8	20	130	110	160	4-M8	3,5	M8x19	27	174,5	233,5	-	83,5	365
100L	2-8	28	60	8	24	165	130	200	4-M10	3,5	M10x22	31	197	252	-	83,5	386
112M	2-8	28	60	8	24	165	130	200	4-M10	3,5	M10x22	31	221	291	-	88	394,5
132S	2-8	38	80	10	33	215	180	250	4-M12	4	M12x28	41	265	325	-	94	440
132M	2-8	38	80	10	33	215	180	250	4-M12	4	M12x28	41	265	325	-	94	475

IE2 - B34C - Aluminium



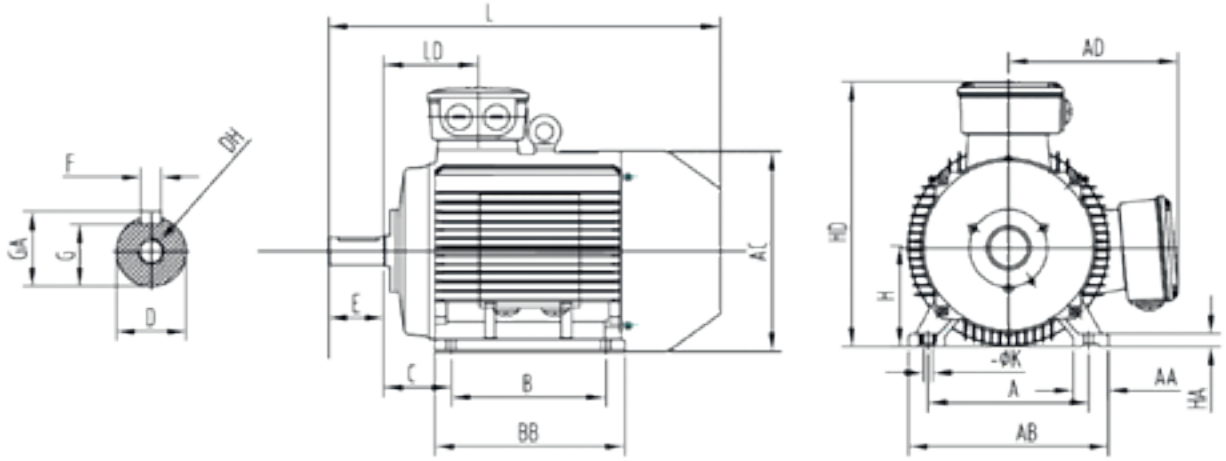
Frame size	Poles	C	D	E	F	G	M	N	P	S	T	DH	GA	AC	AD	A	B	HD	LA	LD	L
63	2-8	40	11	23	4	8,5	75	60	90	4-M5	2,5	M4X10	12,5	125	110	100	80	173	-	62	215
71	2-8	45	14	30	5	11	85	70	105	4-M6	2,5	M5X13	16	139	117	112	90	188	-	68	255
80	2-8	50	19	40	6	15,5	100	80	120	4-M6	3	M6x16	21,5	156	137	125	100	217	-	80	290
90S	2-8	56	24	50	8	20	115	95	140	4-M8	3	M8x19	27	174,5	143,5	140	100	233,5	-	83,5	333
90L	2-8	56	24	50	8	20	115	95	140	4-M8	3	M8x19	27	174,5	143,5	140	125	233,5	-	83,5	365
100L	2-8	63	28	60	8	24	130	110	160	4-M8	3,5	M10x22	31	197	152	160	140	252	-	83,5	386
112M	2-8	70	28	60	8	24	130	110	160	4-M8	3,5	M10x22	31	221	179	190	140	291	-	88	394,5
132S	2-8	89	38	80	10	33	165	130	200	4-M10	3,5	M12x28	41	265	193	216	140	325	-	94	440
132M	2-8	89	38	80	10	33	165	130	200	4-M10	3,5	M12x28	41	265	193	216	178	325	-	94	475

IE2 - B34B - Aluminium



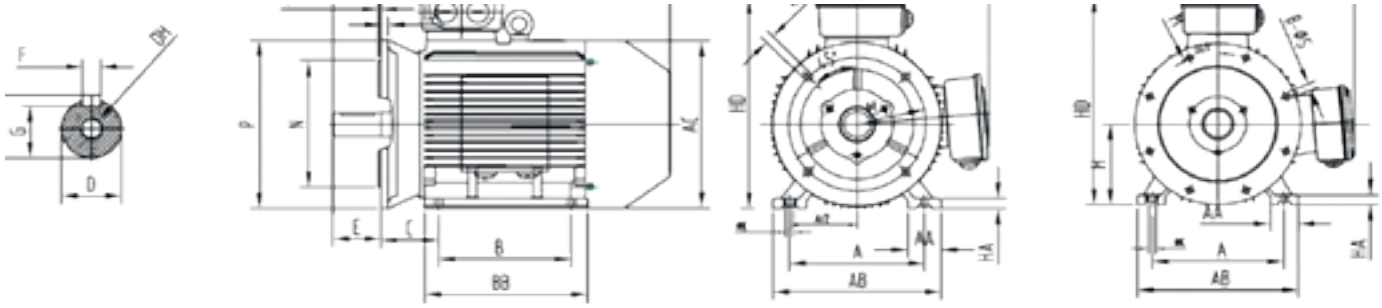
Frame size	Poles	C	D	E	F	G	M	N	P	S	T	DH	GA	AC	AD	A	B	HD	LA	LD	L
63	2-8	40	11	23	4	8,5	100	80	120	4-M6	3	M4X10	12,5	125	110	100	80	173	-	62	215
71	2-8	45	14	30	5	11	115	95	140	4-M8	3	M5X13	16	139	117	112	90	188	-	68	255
80	2-8	50	19	40	6	15,5	130	110	160	4-M8	3,5	M6x16	21,5	156	137	125	100	217	-	80	290
90S	2-8	56	24	50	8	20	130	110	160	4-M8	3,5	M8x19	27	174,5	143,5	140	100	233,5	-	83,5	333
90L	2-8	56	24	50	8	20	130	110	160	4-M8	3,5	M8x19	27	174,5	143,5	140	125	233,5	-	83,5	365
100L	2-8	63	28	60	8	24	165	130	200	4-M10	3,5	M10x22	31	197	152	160	140	252	-	83,5	386
112M	2-8	70	28	60	8	24	165	130	200	4-M10	3,5	M10x22	31	221	179	190	140	291	-	88	394,5
132S	2-8	89	38	80	10	33	215	180	250	4-M12	4	M12x28	41	265	193	216	140	325	-	94	440
132M	2-8	89	38	80	10	33	215	180	250	4-M12	4	M12x28	41	265	193	216	178	325	-	94	475

IE2 - B3 - Cast iron



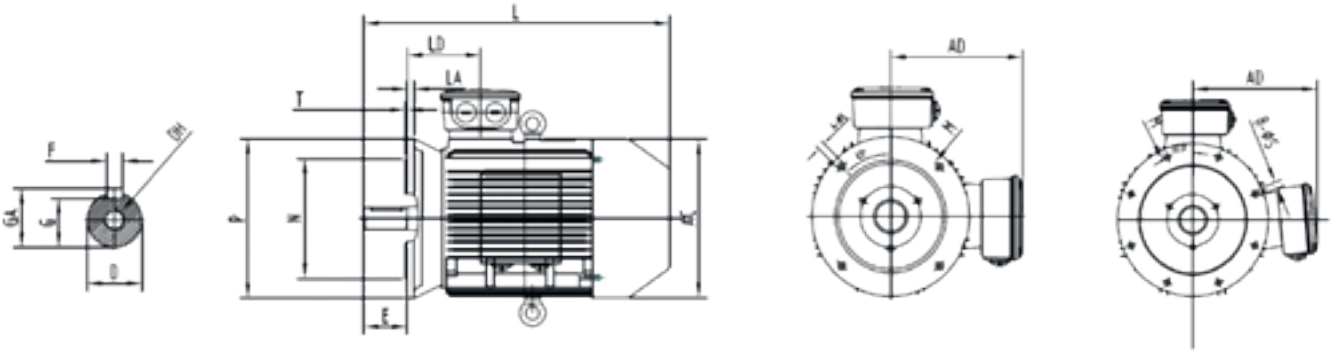
Frame size	Poles	A	B	B1	C	D	E	F	G	H	K	DH	GA	AA	AB	AC	AD	HA	HD	BB	LD	L
160M	2-8	254	210	254	108	42	110	12	37	160	15	M16x36	45	65	320	330	285	20	440	304	149	652
160L	2-8	254	210	254	108	42	110	12	37	160	15	M16x36	45	65	320	330	285	20	440	304	149	652
180M	2,4	279	241	279	121	48	110	14	42,5	180	15	M16x36	51,5	70	355	380	310	22	470	355	161	720
180L	4-6-8	279	241	279	121	48	110	14	42,5	180	15	M16x36	51,5	70	355	380	310	22	470	355	161	720
200L	2-8	318	267	305	133	55	110	16	49	200	19	M20x42	59	70	395	420	335	25	525	375	186	778
225S	4,8	356	286	-	149	60	140	18	53	225	19	M20x42	64	75	435	470	335	25	580	370	189	815
225M	2	356	286	311	149	55	110	16	49	225	19	M20x42	59	75	435	470	370	28	580	395	189	820
	4-8	356	286	311	149	60	140	18	53	225	19	M20x42	64	75	435	470	370	28	580	395	189	845
250M	2	406	311	349	168	60	140	18	53	250	24	M20x42	64	80	490	510	380	30	635	445	207	915
	4-8	406	311	349	168	65	140	18	58	250	24	M20x42	69	80	490	510	380	30	635	445	207	915
280S	2	457	368	-	190	65	140	18	58	280	24	M20x42	69	85	550	550	410	35	698	490	215	978
	4-8	457	368	-	190	75	140	20	67,5	280	24	M20x42	79,5	85	550	550	410	35	698	490	215	978
280M	2	457	368	419	190	65	140	18	58	280	24	M20x42	69	85	550	580	410	35	698	540	215	985
	4-8	457	368	419	190	75	140	20	67,5	280	24	M20x42	79,5	85	550	580	410	35	698	540	215	1035
315S	2	508	406	-	216	65	140	18	58	315	28	M20x46	69	120	630	580	535	45	885	570	257	1185
	4-8	508	406	-	216	80	170	22	71	315	28	M20x46	85	120	630	580	535	45	885	570	257	1215
315ML	2	508	457	508	216	65	140	18	58	315	28	M20x46	69	120	630	645	535	45	885	680	257	1295
	4-8	508	457	508	216	80	170	22	71	315	28	M20x46	85	120	630	645	535	45	885	680	257	1325
355M	2	610	560	630	254	75	140	20	67,5	355	28	M20x46	79,5	120	730	720	700	52	1065	760	284	1495
	4-8	610	560	630	254	95	170	25	86	355	28	M20x46	100	120	730	720	700	52	1065	760	284	1525
355L	2	610	560	630	254	75	140	20	67,5	355	28	M20x46	79,5	120	730	720	700	52	1065	760	284	1495
	4-8	610	560	630	254	100	210	25	86	355	28	M20x46	100	120	730	720	700	52	1065	760	284	1525

IE2 - B35 - Cast iron



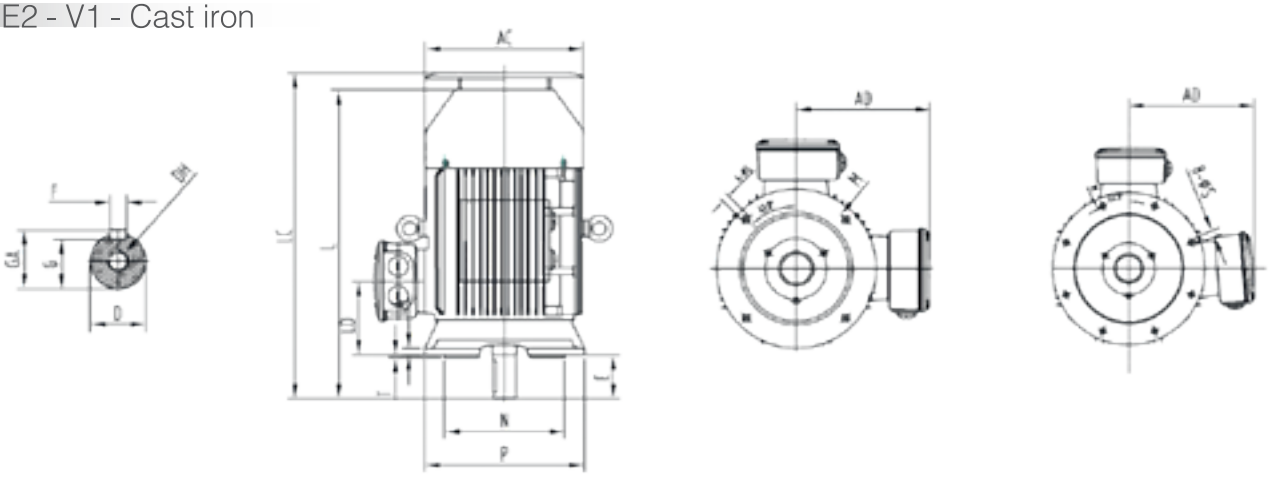
Frame size	Poles	A	B	B1	C	D	E	F	G	H	K	DH	GA	AA	AB	AC	AD	HA	HD	BB	LD	L
160M	2-8	254	210	254	108	42	110	12	37	160	15	M16x36	45	65	320	330	285	20	440	304	149	652
160L	2-8	254	210	254	108	42	110	12	37	160	15	M16x36	45	65	320	330	285	20	440	304	149	652
180M	2,4	279	241	279	121	48	110	14	42,5	180	15	M16x36	51,5	70	355	380	310	22	470	355	161	720
180L	4-6-8	279	241	279	121	48	110	14	42,5	180	15	M16x36	51,5	70	355	380	310	22	470	355	161	720
200L	2-8	318	267	305	133	55	110	16	49	200	19	M20x42	59	70	395	420	335	25	525	375	186	778
225S	4,8	356	286	-	149	60	140	18	53	225	19	M20x42	64	75	435	470	335	25	580	370	189	815
225M	2	356	286	311	149	55	110	16	49	225	19	M20x42	59	75	435	470	370	28	580	395	189	820
	4-8	356	286	311	149	60	140	18	53	225	19	M20x42	64	75	435	470	370	28	580	395	189	845
250M	2	406	311	349	168	60	140	18	53	250	24	M20x42	64	80	490	510	380	30	635	445	207	915
	4-8	406	311	349	168	65	140	18	58	250	24	M20x42	69	80	490	510	380	30	635	445	207	915
280S	2	457	368	-	190	65	140	18	58	280	24	M20x42	69	85	550	550	410	35	698	490	215	978
	4-8	457	368	-	190	75	140	20	67,5	280	24	M20x42	79,5	85	550	550	410	35	698	490	215	978
280M	2	457	368	419	190	65	140	18	58	280	24	M20x42	69	85	550	580	410	35	698	540	215	985
	4-8	457	368	419	190	75	140	20	67,5	280	24	M20x42	79,5	85	550	580	410	35	698	540	215	1035
315S	2	508	406	-	216	65	140	18	58	315	28	M20x46	69	120	630	580	535	45	885	570	257	1185
	4-8	508	406	-	216	80	170	22	71	315	28	M20x46	85	120	630	580	535	45	885	570	257	1215
315ML	2	508	457	508	216	65	140	18	58	315	28	M20x46	69	120	630	645	535	45	885	680	257	1295
	4-8	508	457	508	216	80	170	22	71	315	28	M20x46	85	120	630	645	535	45	885	680	257	1325
355M	2	610	560	630	254	75	140	20	67,5	355	28	M20x46	79,5	120	730	720	700	52	1065	760	284	1495
	4-8	610	560	630	254	95	170	25	86	355	28	M20x46	100	120	730	720	700	52	1065	760	284	1525
355L	2	610	560	630	254	75	140	20	67,5	355	28	M20x46	79,5	120	730	720	700	52	1065	760	284	1495
	4-8	610	560	630	254	100	210	25	86	355	28	M20x46	100	120	730	720	700	52	1065	760	284	1525

IE2 - B5 - Cast iron



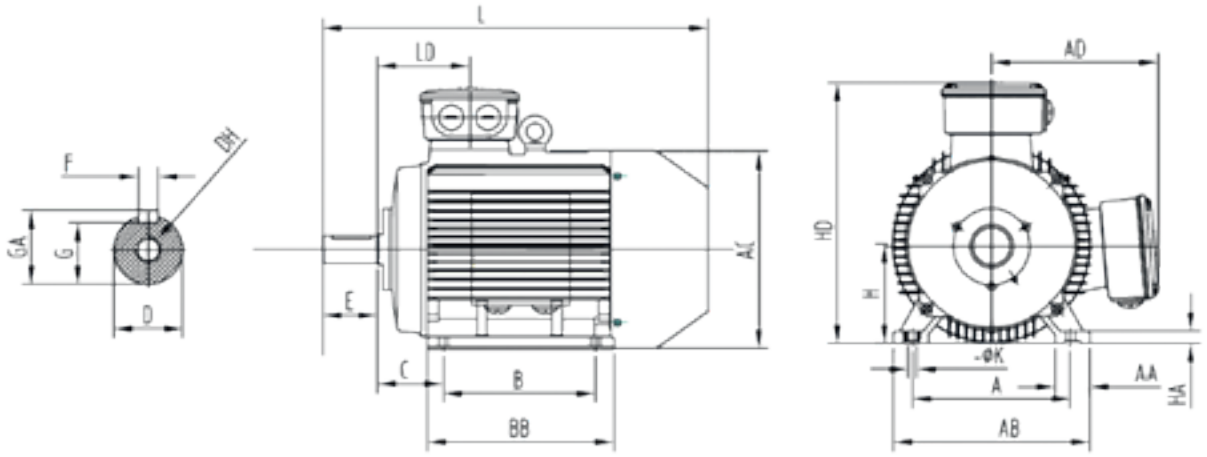
Frame size	Poles	D	E	F	G	M	N	P	S	T	DH	GA	AC	HD	LA	LD	L
160M	2-8	42	110	12	37	300	250	350	4-Ø18.5	5	M16x36	45	330	440	15	149	652
160L	2-8	42	110	12	37	300	250	350	4-Ø18.5	5	M16x36	45	330	440	15	149	652
180M	2,4	48	110	14	42,5	300	250	350	4-Ø18.5	5	M16x36	51,5	380	470	15	161	720
180L	4-8	48	110	14	42,5	300	250	350	4-Ø18.5	5	M16x36	51,5	380	470	15	161	720
200L	2-8	55	110	16	49	350	300	400	4-Ø18.5	5	M20x42	59	420	525	17	186	778
225S	4,8	60	140	18	53	400	350	450	8-Ø18.5	5	M20x42	64	470	580	20	189	815
225M	2	55	110	16	49	400	350	450	8-Ø18.5	5	M20x42	59	470	580	20	189	820
	4-8	60	140	18	53	400	350	450	8-Ø18.5	5	M20x42	64	470	580	20	189	845
250M	2	60	140	18	53	500	450	550	8-Ø18.5	5	M20x42	64	510	635	22	207	915
	4-8	65	140	18	58	500	450	550	8-Ø18.5	5	M20x42	69	510	635	22	207	915
280S	2	65	140	18	58	500	450	550	8-Ø18.5	5	M20x42	69	550	698	22	215	978
	4-8	75	140	20	67,5	500	450	550	8-Ø18.5	5	M20x42	79,5	550	698	22	215	978
280M	2	65	140	18	58	500	450	550	8-Ø18.5	5	M20x42	69	580	698	22	215	985
	4-8	75	140	20	67,5	500	450	550	8-Ø18.5	5	M20x42	79,5	580	698	22	215	1035
315S	2	65	140	18	58	600	550	660	8-Ø24	6	M20x46	69	580	885	22	257	1185
	4-8	80	170	22	71	600	550	660	8-Ø24	6	M20x46	85	580	885	22	257	1215
315ML	2	65	140	18	58	600	550	660	8-Ø24	6	M20x46	69	645	885	22	257	1295
	4-8	80	170	22	71	600	550	660	8-Ø24	6	M20x46	85	645	885	22	257	1325
355M	2	75	140	20	67,5	740	680	800	8-Ø24	6	M20x46	79,5	720	1065	25	284	1495
	4-8	95	170	25	86	740	680	800	8-Ø24	6	M20x46	100	720	1065	25	284	1525
355L	2	75	140	20	67,5	740	680	800	8-Ø24	6	M20x46	79,5	720	1065	25	284	1495
	4-8	95	170	25	86	740	680	800	8-Ø24	6	M20x46	100	720	1065	25	284	1525

IE2 - V1 - Cast iron



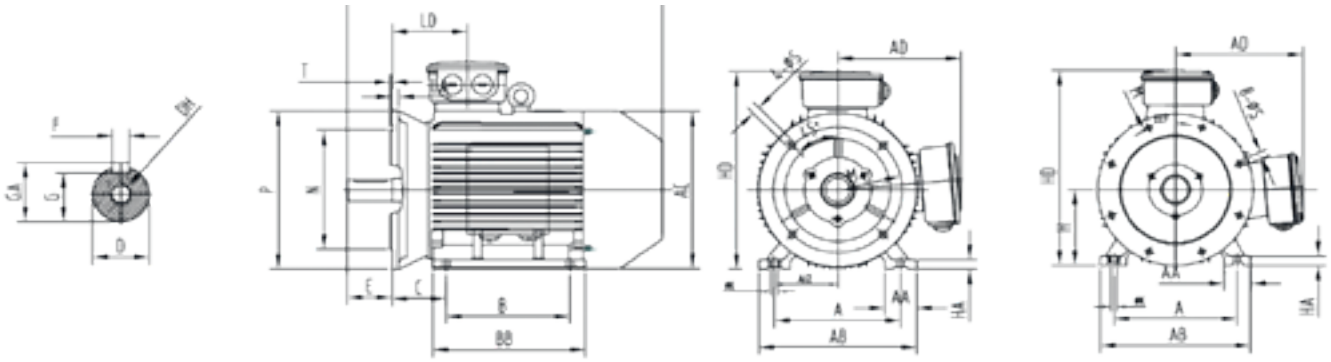
Frame size	Poles	D	E	F	G	M	N	P	S	T	DH	GA	AC	HD	LA	LD	L	LC
160M	2-8	42	110	12	37	300	250	350	4-Ø18.5	5	M16x36	45	330	440	15	149	652	667
160L	2-8	42	110	12	37	300	250	350	4-Ø18.5	5	M16x36	45	330	440	15	149	652	723
180M	2,4	48	110	14	42,5	300	250	350	4-Ø18.5	5	M16x36	51,5	380	470	15	161	720	760
180L	4-8	48	110	14	42,5	300	250	350	4-Ø18.5	5	M16x36	51,5	380	470	15	161	720	760
200L	2-8	55	110	16	49	350	300	400	4-Ø18.5	5	M20x42	59	420	525	17	186	778	845
225S	4,8	60	140	18	53	400	350	450	8-Ø18.5	5	M20x42	64	470	580	20	189	815	915
225M	2	55	110	16	49	400	350	450	8-Ø18.5	5	M20x42	59	470	580	20	189	820	910
	4-8	60	140	18	53	400	350	450	8-Ø18.5	5	M20x42	64	470	580	20	189	845	940
250M	2	60	140	18	53	500	450	550	8-Ø18.5	5	M20x42	64	510	635	22	207	915	1035
	4-8	65	140	18	58	500	450	550	8-Ø18.5	5	M20x42	69	510	635	22	207	915	1035
280S	2	65	140	18	58	500	450	550	8-Ø18.5	5	M20x42	69	550	698	22	215	978	1115
	4-8	75	140	20	67,5	500	450	550	8-Ø18.5	5	M20x42	79,5	550	698	22	215	978	1115
280M	2	65	140	18	58	500	450	550	8-Ø18.5	5	M20x42	69	580	698	22	215	985	1157
	4-8	75	140	20	67,5	500	450	550	8-Ø18.5	5	M20x42	79,5	580	698	22	215	1035	1157
315S	2	65	140	18	58	600	550	660	8-Ø24	6	M20x46	69	580	885	22	257	1185	1310
	4-8	80	170	22	71	600	550	660	8-Ø24	6	M20x46	85	580	885	22	257	1215	1340
315ML	2	65	140	18	58	600	550	660	8-Ø24	6	M20x46	69	645	885	22	257	1295	1425
	4-8	80	170	22	71	600	550	660	8-Ø24	6	M20x46	85	645	885	22	257	1325	1450
355M	2	75	140	20	67,5	740	680	800	8-Ø24	6	M20x46	79,5	720	1065	25	284	1495	1640
	4-8	95	170	25	86	740	680	800	8-Ø24	6	M20x46	100	720	1065	25	284	1525	1670
355L	2	75	140	20	67,5	740	680	800	8-Ø24	6	M20x46	79,5	720	1065	25	284	1495	1640
	4-8	95	170	25	86	740	680	800	8-Ø24	6	M20x46	100	720	1065	25	284	1525	1670

IE3 - B3 - Aluminium



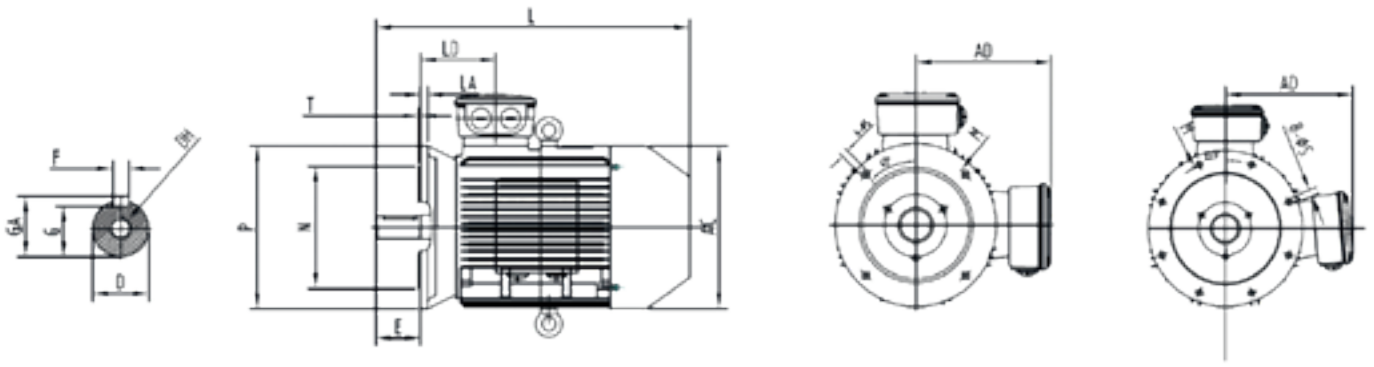
Frame size	Poles	A	B	B1	C	D	E	F	G	H	K	DH	GA	AA	AB	AC	AD	HA	HD	BB	LD	L
80	2-8	125	100	-	50	19	40	6	15,5	80	10	M6x16	21,5	41	160	156	137	10	217	130	80	320
90S	2-8	140	100	-	56	24	50	8	20	90	10	M8x19	27	45	175	174,5	143,5	12	233,5	155	83,5	345
90L	2-8	140	125	-	56	24	50	8	20	90	10	M8x19	27	45	175	174,5	143,5	12	233,5	155	83,5	375
100L	2-8	160	140	-	63	28	60	8	24	100	12	M10x22	31	50	196	197	152	14	252	176	83,5	390
112M	2-8	190	140	-	70	28	60	8	24	112	12	M10x22	31	55	220	221	179	14	291	180	88	420
132S	2-8	216	140	-	89	38	80	10	33	132	15	M12x28	41	58	270	265	193	16	325	176	94	455
132M	2-8	216	178	-	89	38	80	10	33	132	15	M12x28	41	58	270	265	193	16	325	214	94	495

IE3 - B35 - Aluminium



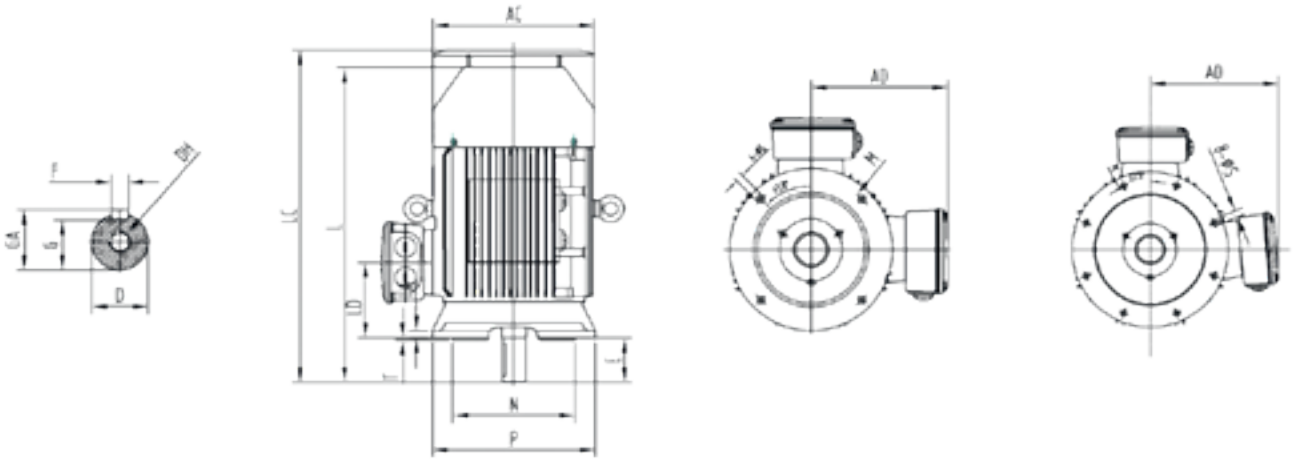
Frame size	Poles	A	B	B1	C	D	E	F	G	H	K	DH	GA	AA	AB	AC	AD	HA	HD	BB	LD	L
80	2-8	125	100	-	50	19	40	6	15,5	80	10	M6x16	21,5	41	160	156	137	10	217	130	80	320
90S	2-8	140	100	-	56	24	50	8	20	90	10	M8x19	27	45	175	174,5	143,5	12	233,5	155	83,5	345
90L	2-8	140	125	-	56	24	50	8	20	90	10	M8x19	27	45	175	174,5	143,5	12	233,5	155	83,5	375
100L	2-8	160	140	-	63	28	60	8	24	100	12	M10x22	31	50	196	197	152	14	252	176	83,5	390
112M	2-8	190	140	-	70	28	60	8	24	112	12	M10x22	31	55	220	221	179	14	291	180	88	420
132S	2-8	216	140	-	89	38	80	10	33	132	15	M12x28	41	58	270	265	193	16	325	176	94	455
132M	2-8	216	178	-	89	38	80	10	33	132	15	M12x28	41	58	270	265	193	16	325	214	94	495

IE3 - B5 - Aluminium



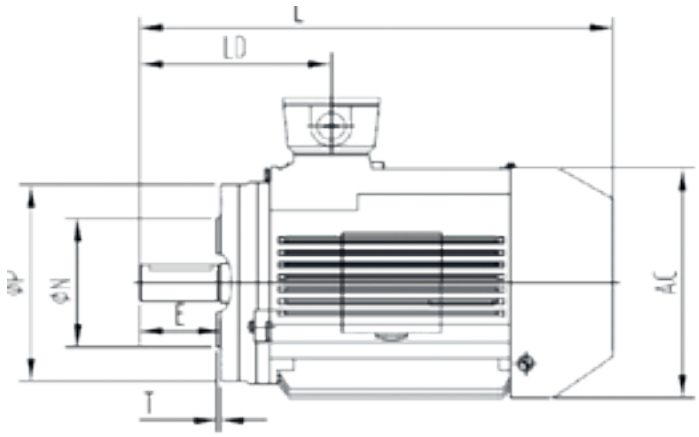
Frame size	Poles	D	E	F	G	M	N	P	S	T	DH	GA	AC	AD	HD	LA	LD	L
80	2-8	19	40	6	15,5	165	130	200	4-Ø12	3,5	M6x16	21,5	156	137	217	10	80	320
90S	2-8	24	50	8	20	165	130	200	4-Ø12	3,5	M8x19	27	174,5	143,5	233,5	12	83,5	345
90L	2-8	24	50	8	20	165	130	200	4-Ø12	3,5	M8x19	27	174,5	143,5	233,5	12	83,5	375
100L	2-8	28	60	8	24	215	180	250	4-Ø14,5	4	M10x22	31	197	152	252	13	83,5	390
112M	2-8	28	60	8	24	215	180	250	4-Ø14,5	4	M10x22	31	221	179	291	14	88	420
132S	2-8	38	80	10	33	265	230	300	4-Ø14,5	4	M12x28	41	265	193	325	14	94	455
132M	2-8	38	80	10	33	265	230	300	4-Ø14,5	4	M12x28	41	265	193	325	14	94	495

IE3 - V1 - Aluminium



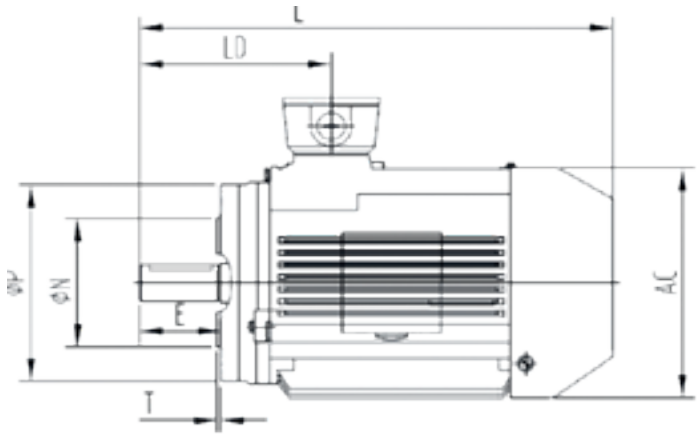
Frame size	Poles	D	E	F	G	M	N	P	S	T	DH	GA	AC	AD	HD	LA	LD	L	LC
80	2-8	19	40	6	15,5	165	130	200	4-Ø12	3,5	M6x16	21,5	156	137	217	10	80	320	-
90S	2-8	24	50	8	20	165	130	200	4-Ø12	3,5	M8x19	27	174,5	143,5	233,5	12	83,5	345	-
90L	2-8	24	50	8	20	165	130	200	4-Ø12	3,5	M8x19	27	174,5	143,5	233,5	12	83,5	375	-
100L	2-8	28	60	8	24	215	180	250	4-Ø14,5	4	M10x22	31	197	152	252	13	83,5	390	-
112M	2-8	28	60	8	24	215	180	250	4-Ø14,5	4	M10x22	31	221	179	291	14	88	420	-
132S	2-8	38	80	10	33	265	230	300	4-Ø14,5	4	M12x28	41	265	193	325	14	94	455	-
132M	2-8	38	80	10	33	265	230	300	4-Ø14,5	4	M12x28	41	265	193	325	14	94	495	-

IE3 - B14C - Aluminium



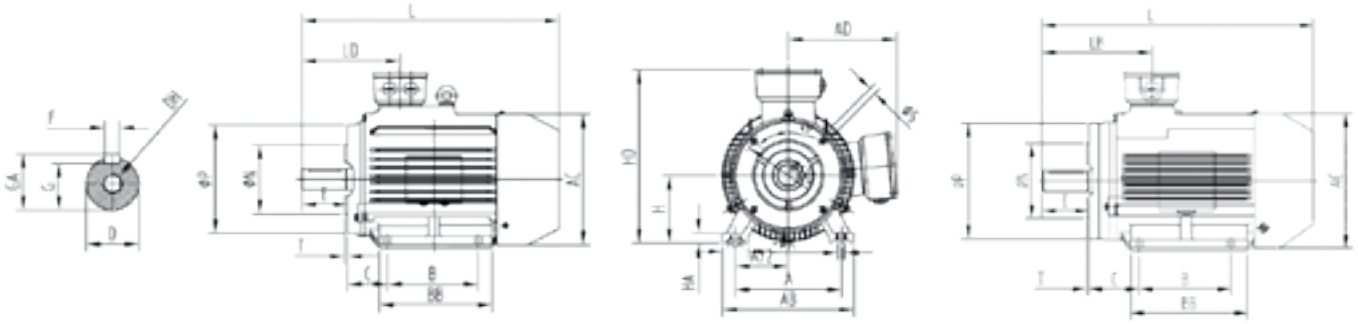
Frame size	Poles	D	E	F	G	M	N	P	S	T	DH	GA	AC	HD	LA	LD	L
80	2-8	19	40	6	15,5	100	80	120	4-M6	3	M6x16	21,5	156	217	10	80	320
90S	2-8	24	50	8	20	115	95	140	4-M8	3	M8x19	27	174,5	233,5	12	83,5	345
90L	2-8	24	50	8	20	115	95	140	4-M8	3	M8x19	27	174,5	233,5	12	83,5	375
100L	2-8	28	60	8	24	130	110	160	4-M8	3,5	M10x22	31	197	252	13	83,5	390
112M	2-8	28	60	8	24	130	110	160	4-M8	3,5	M10x22	31	221	291	14	88	420
132S	2-8	38	80	10	33	165	130	200	4-M10	3,5	M12x28	41	265	325	14	94	455
132M	2-8	38	80	10	33	165	130	200	4-M10	3,5	M12x28	41	265	325	14	94	495

IE3 - B14B - Aluminium



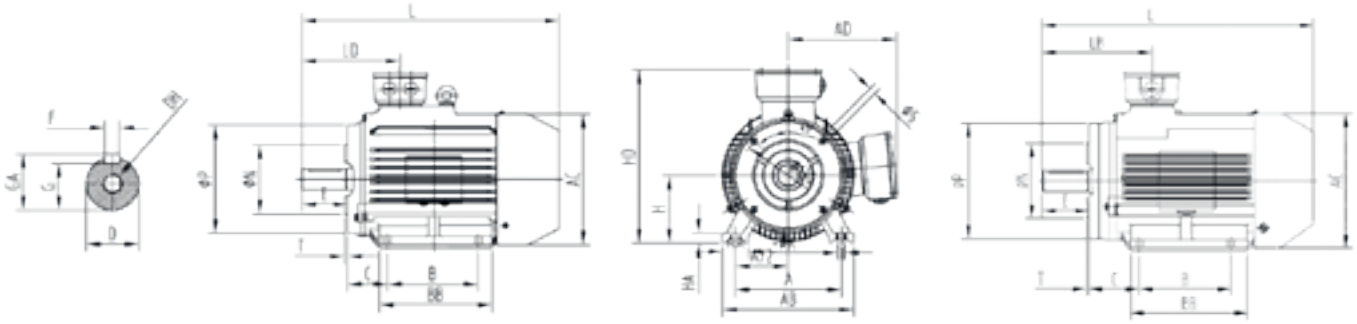
Frame size	Poles	D	E	F	G	M	N	P	S	T	DH	GA	AC	HD	LA	LD	L
80	2-8	19	40	6	15,5	130	110	160	4-M8	3,5	M6x16	21,5	156	217	10	80	320
90S	2-8	24	50	8	20	130	110	160	4-M8	3,5	M8x19	27	174,5	233,5	12	83,5	345
90L	2-8	24	50	8	20	130	110	160	4-M8	3,5	M8x19	27	174,5	233,5	12	83,5	375
100L	2-8	28	60	8	24	165	130	200	4-M10	3,5	M10x22	31	197	252	13	83,5	390
112M	2-8	28	60	8	24	165	130	200	4-M10	3,5	M10x22	31	221	291	14	88	420
132S	2-8	38	80	10	33	215	180	250	4-M12	4	M12x28	41	265	325	14	94	455
132M	2-8	38	80	10	33	215	180	250	4-M12	4	M12x28	41	265	325	14	94	495

IE3 - B34C - Aluminium



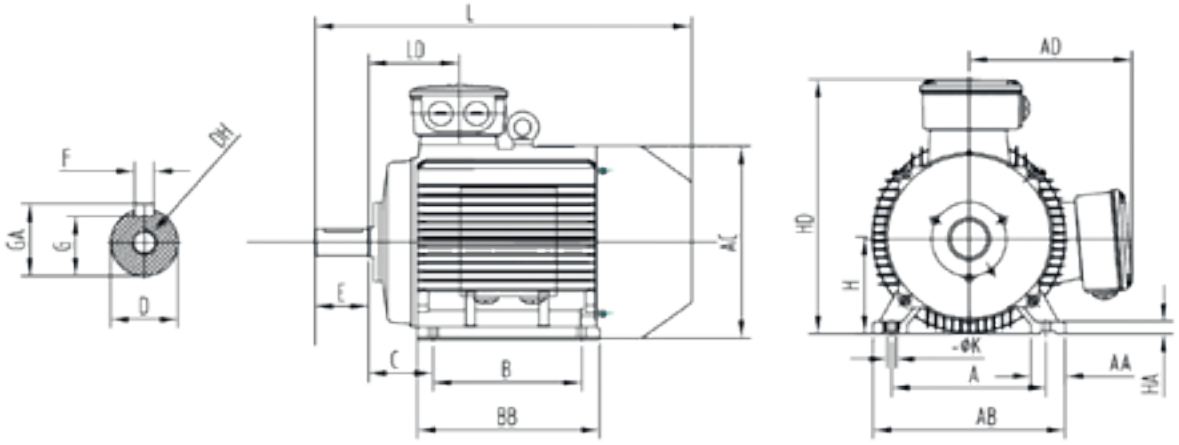
Frame size	Poles	C	D	E	F	G	M	N	P	S	T	DH	GA	AC	AD	A	B	HD	LA	LD	L
80	2-8	50	19	40	6	15,5	100	80	120	4-M6	3	M6x16	21,5	156	137	125	100	217	10	80	320
90S	2-8	56	24	50	8	20	115	95	140	4-M8	3	M8x19	27	174,5	143,5	140	100	233,5	12	83,5	345
90L	2-8	56	24	50	8	20	115	95	140	4-M8	3	M8x19	27	174,5	143,5	140	125	233,5	12	83,5	375
100L	2-8	63	28	60	8	24	130	110	160	4-M8	3,5	M10x22	31	197	152	160	140	252	13	83,5	390
112M	2-8	70	28	60	8	24	130	110	160	4-M8	3,5	M10x22	31	221	179	190	140	291	14	88	420
132S	2-8	89	38	80	10	33	165	130	200	4-M10	3,5	M12x28	41	265	193	216	140	325	14	94	455
132M	2-8	89	38	80	10	33	165	130	200	4-M10	3,5	M12x28	41	265	193	216	178	325	14	94	495

IE3 - B34B - Aluminium



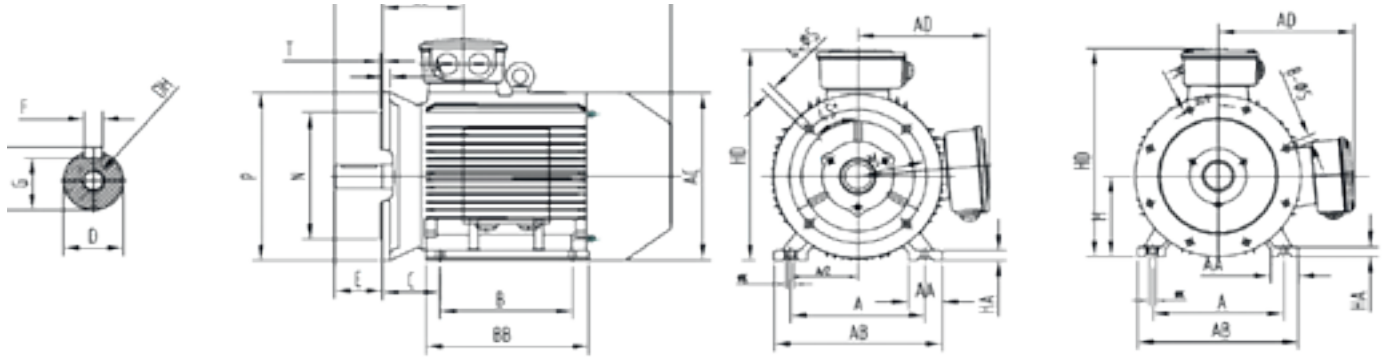
Frame size	Poles	C	D	E	F	G	M	N	P	S	T	DH	GA	AC	AD	A	B	HD	LA	LD	L
80	2-8	50	19	40	6	15,5	130	110	160	4-M8	3,5	M6x16	21,5	156	137	125	100	217	10	80	320
90S	2-8	56	24	50	8	20	130	110	160	4-M8	3,5	M8x19	27	174,5	143,5	140	100	233,5	12	83,5	345
90L	2-8	56	24	50	8	20	130	110	160	4-M8	3,5	M8x19	27	174,5	143,5	140	125	233,5	12	83,5	375
100L	2-8	63	28	60	8	24	165	130	200	4-M10	3,5	M10x22	31	197	152	160	140	252	13	83,5	390
112M	2-8	70	28	60	8	24	165	130	200	4-M10	3,5	M10x22	31	221	179	190	140	291	14	88	420
132S	2-8	89	38	80	10	33	215	180	250	4-M12	4	M12x28	41	265	193	216	140	325	14	94	455
132M	2-8	89	38	80	10	33	215	180	250	4-M12	4	M12x28	41	265	193	216	178	325	14	94	495

IE3 - B3 - Cast iron



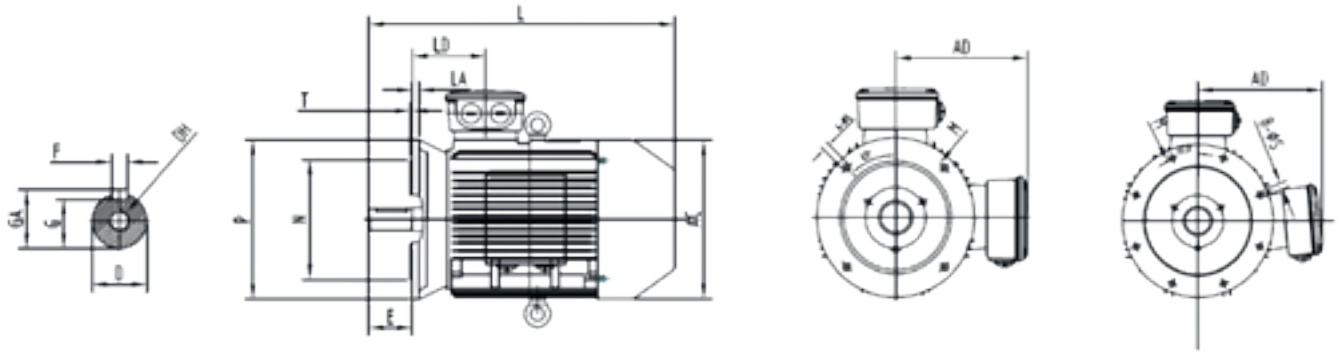
Frame size	Poles	A	B	B1	C	D	E	F	G	H	K	DH	GA	AA	AB	AC	AD	HA	HD	BB	LD	L
160M	2-8	254	210	254	108	42	110	12	37	160	15	M16x36	45	65	320	330	285	20	440	304	149	652
160L	2-8	254	210	254	108	42	110	12	37	160	15	M16x36	45	65	320	330	285	20	440	304	149	652
180M	2,4	279	241	279	121	48	110	14	42,5	180	15	M16x36	51,5	70	355	380	310	22	470	355	161	720
180L	4-6-8	279	241	279	121	48	110	14	42,5	180	15	M16x36	51,5	70	355	380	310	22	470	355	161	720
200L	2-8	318	267	305	133	55	110	16	49	200	19	M20x42	59	70	395	420	335	25	525	375	186	778
225S	4,8	356	286	-	149	60	140	18	53	225	19	M20x42	64	75	435	470	335	25	580	370	189	815
225M	2	356	286	311	149	55	110	16	49	225	19	M20x42	59	75	435	470	370	28	580	395	189	820
	4-8	356	286	311	149	60	140	18	53	225	19	M20x42	64	75	435	470	370	28	580	395	189	845
250M	2	406	311	349	168	60	140	18	53	250	24	M20x42	64	80	490	510	380	30	635	445	207	915
	4-8	406	311	349	168	65	140	18	58	250	24	M20x42	69	80	490	510	380	30	635	445	207	915
280S	2	457	368	-	190	65	140	18	58	280	24	M20x42	69	85	550	550	410	35	698	490	215	978
	4-8	457	368	-	190	75	140	20	67,5	280	24	M20x42	79,5	85	550	550	410	35	698	490	215	978
280M	2	457	368	419	190	65	140	18	58	280	24	M20x42	69	85	550	580	410	35	698	540	215	985
	4-8	457	368	419	190	75	140	20	67,5	280	24	M20x42	79,5	85	550	580	410	35	698	540	215	1035
315S	2	508	406	-	216	65	140	18	58	315	28	M20x46	69	120	630	580	535	45	885	570	257	1185
	4-8	508	406	-	216	80	170	22	71	315	28	M20x46	85	120	630	580	535	45	885	570	257	1215
315ML	2	508	457	508	216	65	140	18	58	315	28	M20x46	69	120	630	645	535	45	885	680	257	1295
	4-8	508	457	508	216	80	170	22	71	315	28	M20x46	85	120	630	645	535	45	885	680	257	1325
355M	2	610	560	630	254	75	140	20	67,5	355	28	M20x46	79,5	120	730	720	700	52	1065	760	284	1495
	4-8	610	560	630	254	95	170	25	86	355	28	M20x46	100	120	730	720	700	52	1065	760	284	1525
355L	2	610	560	630	254	75	140	20	67,5	355	28	M20x46	79,5	120	730	720	700	52	1065	760	284	1495
	4-8	610	560	630	254	100	210	25	86	355	28	M20x46	100	120	730	720	700	52	1065	760	284	1525

IE3 - B35 - Cast iron



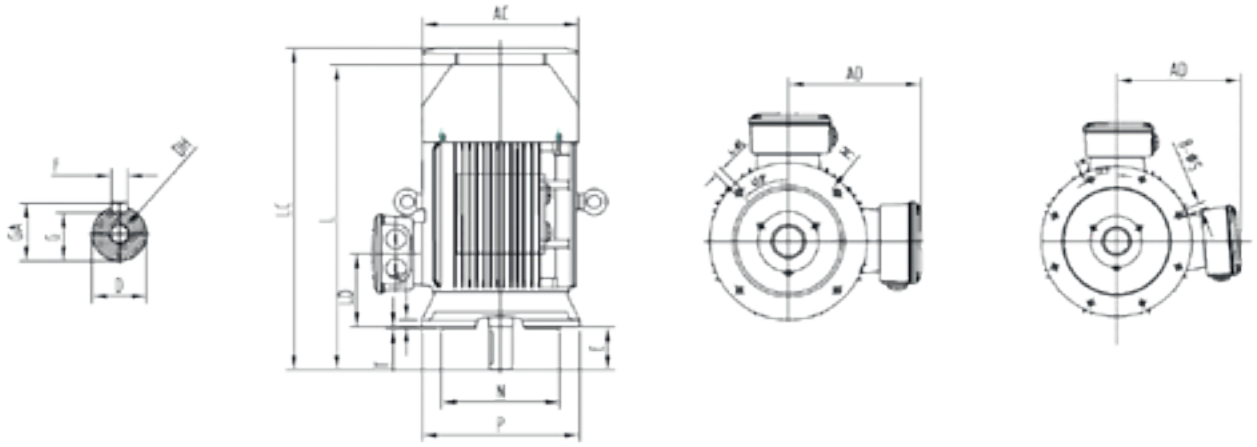
Frame size	Poles	A	B	B1	C	D	E	F	G	H	K	DH	GA	AA	AB	AC	AD	HA	HD	BB	LD	L
160M	2-8	254	210	254	108	42	110	12	37	160	15	M16x36	45	65	320	330	285	20	440	304	149	652
160L	2-8	254	210	254	108	42	110	12	37	160	15	M16x36	45	65	320	330	285	20	440	304	149	652
180M	2,4	279	241	279	121	48	110	14	42,5	180	15	M16x36	51,5	70	355	380	310	22	470	355	161	720
180L	4-6-8	279	241	279	121	48	110	14	42,5	180	15	M16x36	51,5	70	355	380	310	22	470	355	161	720
200L	2-8	318	267	305	133	55	110	16	49	200	19	M20x42	59	70	395	420	335	25	525	375	186	778
225S	4,8	356	286	-	149	60	140	18	53	225	19	M20x42	64	75	435	470	335	25	580	370	189	815
225M	2	356	286	311	149	55	110	16	49	225	19	M20x42	59	75	435	470	370	28	580	395	189	820
	4-8	356	286	311	149	60	140	18	53	225	19	M20x42	64	75	435	470	370	28	580	395	189	845
250M	2	406	311	349	168	60	140	18	53	250	24	M20x42	64	80	490	510	380	30	635	445	207	915
	4-8	406	311	349	168	65	140	18	58	250	24	M20x42	69	80	490	510	380	30	635	445	207	915
280S	2	457	368	-	190	65	140	18	58	280	24	M20x42	69	85	550	550	410	35	698	490	215	978
	4-8	457	368	-	190	75	140	20	67,5	280	24	M20x42	79,5	85	550	550	410	35	698	490	215	978
280M	2	457	368	419	190	65	140	18	58	280	24	M20x42	69	85	550	580	410	35	698	540	215	985
	4-8	457	368	419	190	75	140	20	67,5	280	24	M20x42	79,5	85	550	580	410	35	698	540	215	1035
315S	2	508	406	-	216	65	140	18	58	315	28	M20x46	69	120	630	580	535	45	885	570	257	1185
	4-8	508	406	-	216	80	170	22	71	315	28	M20x46	85	120	630	580	535	45	885	570	257	1215
315ML	2	508	457	508	216	65	140	18	58	315	28	M20x46	69	120	630	645	535	45	885	680	257	1295
	4-8	508	457	508	216	80	170	22	71	315	28	M20x46	85	120	630	645	535	45	885	680	257	1325
355M	2	610	560	630	254	75	140	20	67,5	355	28	M20x46	79,5	120	730	720	700	52	1065	760	284	1495
	4-8	610	560	630	254	95	170	25	86	355	28	M20x46	100	120	730	720	700	52	1065	760	284	1525
355L	2	610	560	630	254	75	140	20	67,5	355	28	M20x46	79,5	120	730	720	700	52	1065	760	284	1495
	4-8	610	560	630	254	100	210	25	86	355	28	M20x46	100	120	730	720	700	52	1065	760	284	1525

IE3 - B5 - Cast iron



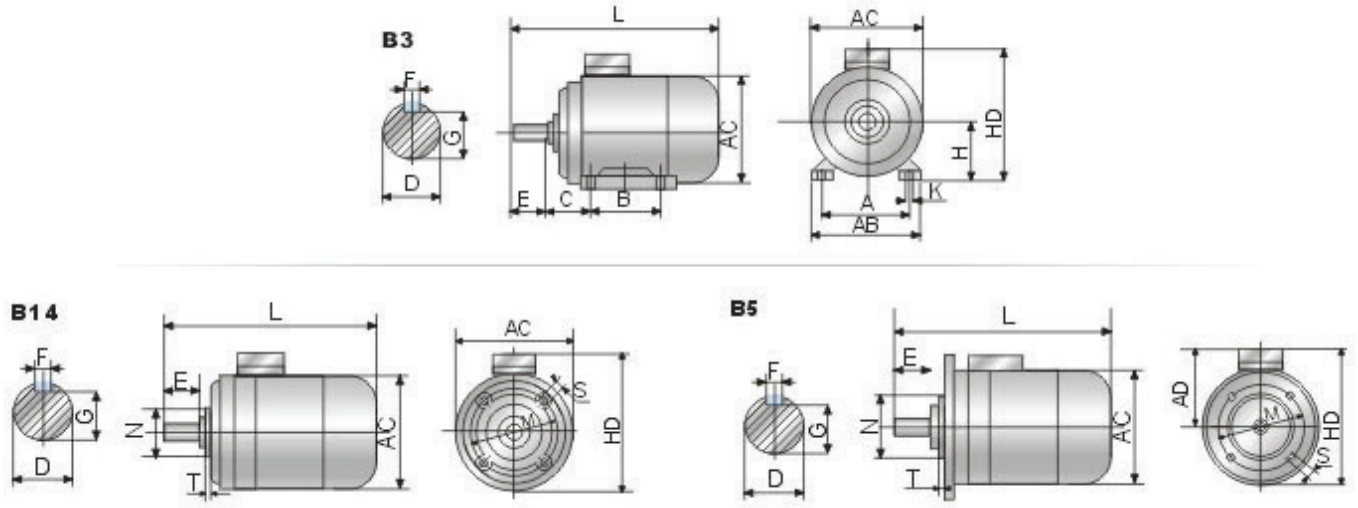
Frame size	Poles	D	E	F	G	M	N	P	S	T	DH	GA	AC	HD	LA	LD	L
160M	2-8	42	110	12	37	300	250	350	4-Ø18.5	5	M16x36	45	330	440	15	149	652
160L	2-8	42	110	12	37	300	250	350	4-Ø18.5	5	M16x36	45	330	440	15	149	652
180M	2,4	48	110	14	42,5	300	250	350	4-Ø18.5	5	M16x36	51,5	380	470	15	161	720
180L	4-8	48	110	14	42,5	300	250	350	4-Ø18.5	5	M16x36	51,5	380	470	15	161	720
200L	2-8	55	110	16	49	350	300	400	4-Ø18.5	5	M20x42	59	420	525	17	186	778
225S	4,8	60	140	18	53	400	350	450	8-Ø18.5	5	M20x42	64	470	580	20	189	815
225M	2	55	110	16	49	400	350	450	8-Ø18.5	5	M20x42	59	470	580	20	189	820
	4-8	60	140	18	53	400	350	450	8-Ø18.5	5	M20x42	64	470	580	20	189	845
250M	2	60	140	18	53	500	450	550	8-Ø18.5	5	M20x42	64	510	635	22	207	915
	4-8	65	140	18	58	500	450	550	8-Ø18.5	5	M20x42	69	510	635	22	207	915
280S	2	65	140	18	58	500	450	550	8-Ø18.5	5	M20x42	69	550	698	22	215	978
	4-8	75	140	20	67,5	500	450	550	8-Ø18.5	5	M20x42	79,5	550	698	22	215	978
280M	2	65	140	18	58	500	450	550	8-Ø18.5	5	M20x42	69	580	698	22	215	985
	4-8	75	140	20	67,5	500	450	550	8-Ø18.5	5	M20x42	79,5	580	698	22	215	1035
315S	2	65	140	18	58	600	550	660	8-Ø24	6	M20x46	69	580	885	22	257	1185
	4-8	80	170	22	71	600	550	660	8-Ø24	6	M20x46	85	580	885	22	257	1215
315ML	2	65	140	18	58	600	550	660	8-Ø24	6	M20x46	69	645	885	22	257	1295
	4-8	80	170	22	71	600	550	660	8-Ø24	6	M20x46	85	645	885	22	257	1325
355M	2	75	140	20	67,5	740	680	800	8-Ø24	6	M20x46	79,5	720	1065	25	284	1495
	4-8	95	170	25	86	740	680	800	8-Ø24	6	M20x46	100	720	1065	25	284	1525
355L	2	75	140	20	67,5	740	680	800	8-Ø24	6	M20x46	79,5	720	1065	25	284	1495
	4-8	95	170	25	86	740	680	800	8-Ø24	6	M20x46	100	720	1065	25	284	1525

IE3 - V1 - Cast iron



Frame size	Poles	D	E	F	G	M	N	P	S	T	DH	GA	AC	HD	LA	LD	L
160M	2-8	42	110	12	37	300	250	350	4-Ø18.5	5	M16x36	45	330	440	15	149	652	667
160L	2-8	42	110	12	37	300	250	350	4-Ø18.5	5	M16x36	45	330	440	15	149	652	723
180M	2,4	48	110	14	42,5	300	250	350	4-Ø18.5	5	M16x36	51,5	380	470	15	161	720	760
180L	4-8	48	110	14	42,5	300	250	350	4-Ø18.5	5	M16x36	51,5	380	470	15	161	720	760
200L	2-8	55	110	16	49	350	300	400	4-Ø18.5	5	M20x42	59	420	525	17	186	778	845
225S	4,8	60	140	18	53	400	350	450	8-Ø18.5	5	M20x42	64	470	580	20	189	815	915
225M	2	55	110	16	49	400	350	450	8-Ø18.5	5	M20x42	59	470	580	20	189	820	910
	4-8	60	140	18	53	400	350	450	8-Ø18.5	5	M20x42	64	470	580	20	189	845	940
250M	2	60	140	18	53	500	450	550	8-Ø18.5	5	M20x42	64	510	635	22	207	915	1035
	4-8	65	140	18	58	500	450	550	8-Ø18.5	5	M20x42	69	510	635	22	207	915	1035
280S	2	65	140	18	58	500	450	550	8-Ø18.5	5	M20x42	69	550	698	22	215	978	1115
	4-8	75	140	20	67,5	500	450	550	8-Ø18.5	5	M20x42	79,5	550	698	22	215	978	1115
280M	2	65	140	18	58	500	450	550	8-Ø18.5	5	M20x42	69	580	698	22	215	985	1157
	4-8	75	140	20	67,5	500	450	550	8-Ø18.5	5	M20x42	79,5	580	698	22	215	1035	1157
315S	2	65	140	18	58	600	550	660	8-Ø24	6	M20x46	69	580	885	22	257	1185	1310
	4-8	80	170	22	71	600	550	660	8-Ø24	6	M20x46	85	580	885	22	257	1215	1340
315ML	2	65	140	18	58	600	550	660	8-Ø24	6	M20x46	69	645	885	22	257	1295	1425
	4-8	80	170	22	71	600	550	660	8-Ø24	6	M20x46	85	645	885	22	257	1325	1450
355M	2	75	140	20	67,5	740	680	800	8-Ø24	6	M20x46	79,5	720	1065	25	284	1495	1640
	4-8	95	170	25	86	740	680	800	8-Ø24	6	M20x46	100	720	1065	25	284	1525	1670
355L	2	75	140	20	67,5	740	680	800	8-Ø24	6	M20x46	79,5	720	1065	25	284	1495	1640
	4-8	95	170	25	86	740	680	800	8-Ø24	6	M20x46	100	720	1065	25	284	1525	1670

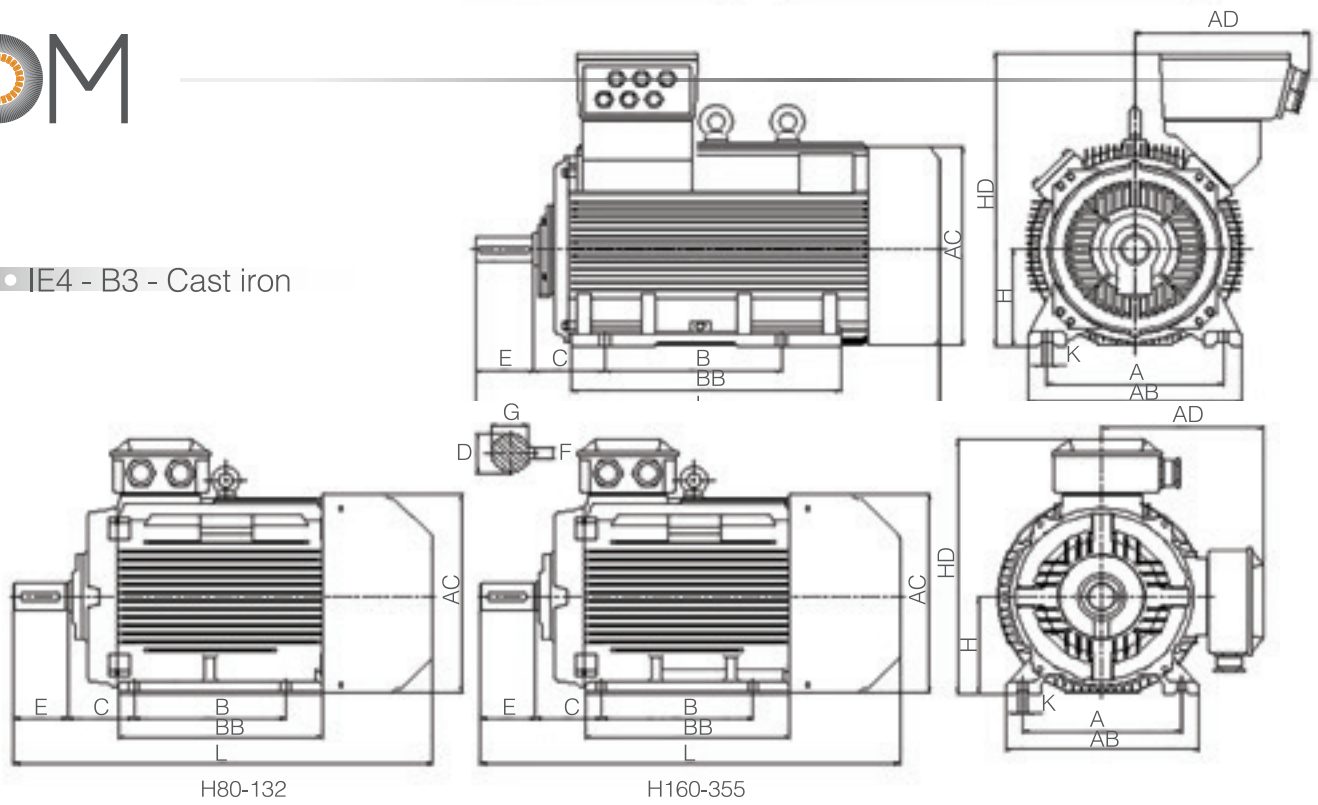
IE4 - B3, B14, B5 - Aluminum



Frame size	Installment dimension								
	A	B	C	D	E	F	G	H	K
80	125	100	50	19	40	6	16	80	10
90S	140	100	56	24	50	8	20	90	10
90L	140	125	56	24	50	8	20	90	10
100L	160	140	63	28	60	8	24	100	12
112M	190	140	70	28	60	8	24	112	12
132S	216	140	89	38	80	10	33	132	12
132M	216	178	89	38	80	10	33	132	12

Frame size	Installment dimension B5					Overall dimension (mm)				
	M	N	P	S	T	AB	AC	AD	HD	L
80	165	130	200	12	3.5	165	175	145	214	300
90S	165	130	200	12	3.5	180	195	155	250	345
90L	165	130	200	12	3.5	180	195	155	250	375
100L	215	180	250	15	4	205	215	180	270	433
112M	215	180	250	15	4	230	240	190	300	440
132S	265	230	300	15	4	270	275	210	345	510
132M	265	230	300	15	4	270	275	210	345	550

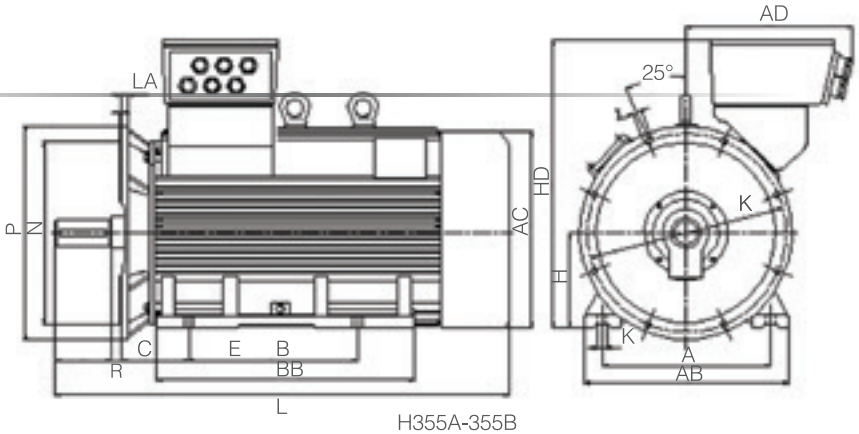
IE4 - B3 - Cast iron



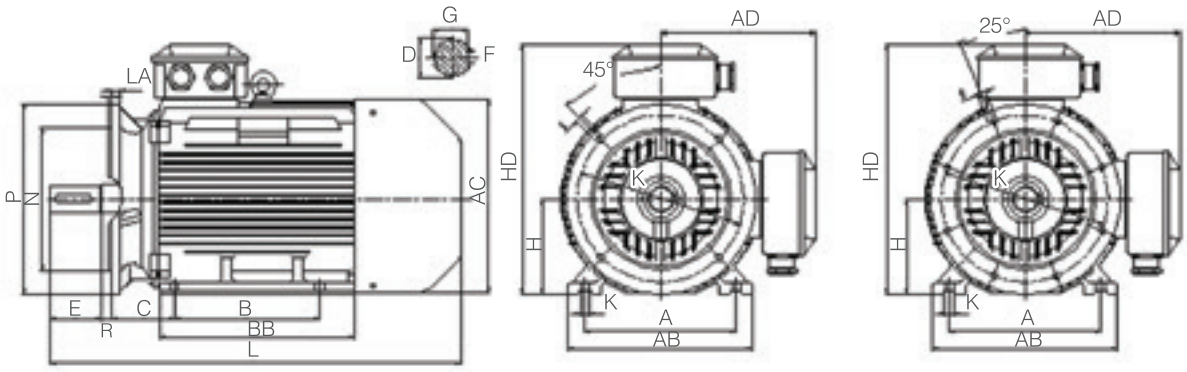
H80-132 H160-355

Frame	Poles	A	B	C	F	H	K	AB	HD	BB
80M	2,4,6	125	100	50	6	80	10	165	220	142
90S	2,4,6	140	100	56	8	90	10	180	265	180
90L	2,4,6	140	125	56	8	90	10	180	265	208
100L	2,4,6	160	140	63	8	100	12	205	275	232
112M	2,4,6	190	140	70	8	112	12	226	300	200
132S	2,4,6	216	140	89	10	132	12	262	365	226
132M	2,4,6	216	178	89	10	132	12	262	365	256
160M	2,4,6	254	210	108	12	160	15	315	430	314
160L	2,4,6	254	254	108	12	160	15	315	430	365
180M	2,4,6	279	241	121	14	180	15	350	460	340
180L	2,4,6	279	279	121	14	180	15	350	460	370
200L	2,4,6	318	305	133	16	200	18.5	388	505	410
225S	4	356	286	149	18	225	18.5	435	580	373
225M	2	356	311	149	16	225	18.5	435	580	393
225M	4,6	356	311	149	18	225	18.5	435	580	393
250M	2	406	349	168	18	250	24	490	650	450
250M	4,6	406	349	168	18	250	24	490	650	450
280S	2	457	368	190	18	280	24	542	710	516
280S	4,6	457	368	190	20	280	24	542	710	516
280M	2	457	419	190	18	280	24	542	710	536
280M	4,6	457	419	190	20	280	24	542	710	536
315S	2	508	406	216	18	315	28	635	870	630
315S	4,6	508	406	216	22	315	28	635	870	630
315M	2	508	457	216	18	315	28	635	870	680
315M	4,6	508	457	216	22	315	28	635	870	680
315L	2	508	508	216	18	315	28	635	870	680
315L	4,6	508	508	216	22	315	28	635	870	680
355M	2	610	560	254	20	355	28	730	1010	750
355M	4,6	610	560	254	25	355	28	730	1010	750
355L	2	610	630	254	00	355	28	730	1010	750
355L	4,6	610	630	254	25	355	28	730	1010	750
355LA	2	610	630	254	00	355	28	760	1215	1140
355LB	4,6	610	630	254	25	355	28	760	1215	1140

IE4 - B35 - Cast Iron

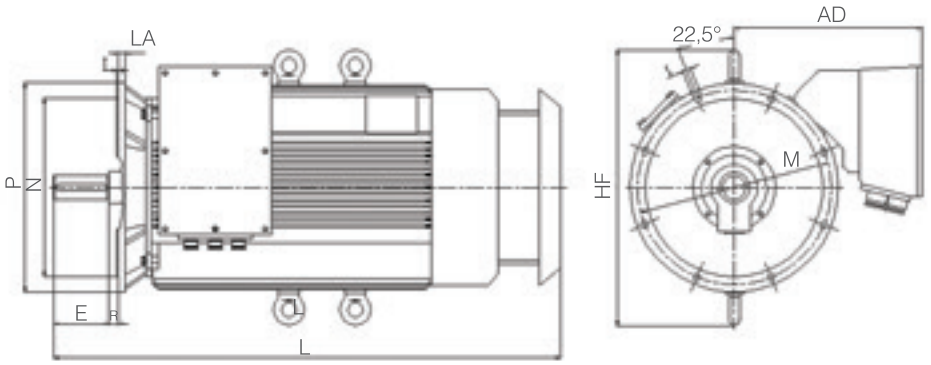


H355A-355B

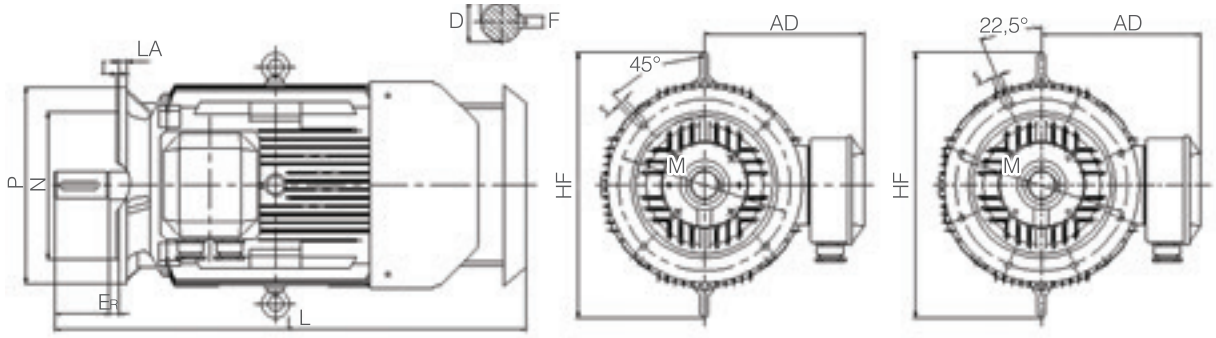


H81 - 132 H81 - 211 H225-355

Frame	Poles	A	B	C	D	E	F	G	H	K	M	N	P		T	AB	AC	AD	HD	BB	HF	LA	L
80M	2,4,6	125	100	50	19	40	6	15.5	80	10	165	130	200	4-Φ12	3.5	165	175	145	220	142	-	12	325
90S	2,4,6	140	100	56	24	50	8	20	90	10	165	130	200	4-Φ12	3.5	180	195	170	265	180	-	12	360
90L	2,4,6	140	125	56	24	50	8	20	90	10	165	130	200	4-Φ12	3.5	180	195	170	265	208	-	12	390
100L	2,4,6	160	140	63	28	60	8	24	100	12	215	180	250	4-Φ14.5	4	205	215	180	275	232	300	13	455
112M	2,4,6	190	140	70	28	60	8	24	112	12	215	180	250	4-Φ14.5	4	226	240	190	300	200	275	14	440
132S	2,4,6	216	140	89	38	80	10	33	132	12	265	230	300	4-Φ14.5	4	262	310	230	365	226	335	14	510
132M	2,4,6	216	178	89	38	80	10	33	132	12	265	230	300	4-Φ14.5	4	262	310	230	365	256	335	14	540
160M	2,4,6	254	210	108	42	110	12	37	160	15	300	250	350	4-Φ18.5	5	315	340	270	430	314	457	15	730
160L	2,4,6	254	254	108	42	110	12	37	160	15	300	250	350	4-Φ18.5	5	315	340	270	430	365	457	15	760
180M	2,4,6	279	241	121	48	110	14	42.5	180	15	300	250	350	4-Φ18.5	5	350	390	290	460	340	494	15	770
180L	2,4,6	279	279	121	48	110	14	42.5	180	15	300	250	350	4-Φ18.5	5	350	390	290	460	370	494	15	800
200L	2,4,6	318	305	133	55	110	16	49	200	18.5	350	300	400	4-Φ18.5	5	388	420	320	505	410	544	17	860
225S	4	356	286	149	60	140	18	53	225	18.5	400	350	450	8-Φ18.5	5	435	470	350	580	373	616	20	890
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	450	8-Φ18.5	5	435	470	350	580	393	616	20	880
225M	4,6	356	311	149	60	140	18	53	225	18.5	400	350	450	8-Φ18.5	5	435	470	350	580	393	535	20	910
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	8-Φ18.5	5	490	550	400	650	450	720	22	1020
250M	4,6	406	349	168	65	140	18	58	250	24	500	450	550	8-Φ18.5	5	490	550	400	650	450	720	22	1020
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	8-Φ18.5	5	542	580	430	710	516	810	22	1035
280S	4,6	457	368	190	75	140	20	67.5	280	24	500	450	550	8-Φ18.5	5	542	580	430	710	516	810	22	1035
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	8-Φ18.5	5	542	580	430	710	536	810	22	1100
280M	4,6	457	419	190	75	140	20	67.5	280	24	500	450	550	8-Φ18.5	5	542	580	430	710	536	810	22	1100
315S	2	508	406	216	65	140	18	58	315	28	600	550	660	8-Φ24	6	635	645	570	870	630	880	22	1285
315S	4,6	508	406	216	80	170	22	71	315	28	600	550	660	8-Φ24	6	635	645	570	870	630	880	22	1320
315M	2	508	457	216	65	140	18	58	315	28	600	550	660	8-Φ24	6	635	645	570	870	680	880	22	1480
315M	4,6	508	457	216	80	170	22	71	315	28	600	550	660	8-Φ24	6	635	645	570	870	680	880	22	1510
315L	2	508	508	216	65	140	18	58	315	28	600	550	660	8-Φ24	6	635	645	570	870	680	880	22	1480
315L	4,6	508	508	216	80	170	22	71	315	28	600	550	660	8-Φ24	6	635	645	570	870	680	880	22	1510
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	8-Φ24	6	730	710	655	1010	750	1055	25	1600
355M	4,6	610	560	254	95	170	25	86	355	28	740	680	800	8-Φ24	6	730	710	655	1010	750	1055	25	1630
355L	2	610	630	254	75	140	00	67.5	355	28	740	680	800	8-Φ24	6	730	710	655	1010	750	1055	25	1600
355L	4,6	610	630	254	95	170	25	86	355	28	740	680	800	8-Φ24	6	730	710	655	1010	750	1055	25	1630
355LA	2	610	630	254	75	140	00	67.5	355	28	740	680	800	8-Φ24	6	760	750	810	1215	1140	1055	25	1830
355LB	4,6	610	630	254	95	170	25	86	355	28	740	680	800	8-Φ24	6	760	750	810	1215	1140	1055	25	1915



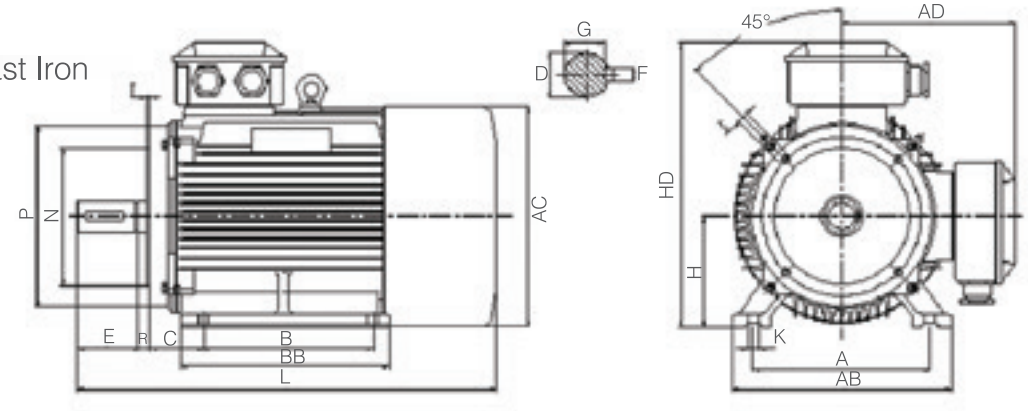
H355A-355B



H80-355 H80-200 H225-355

Frame	Poles	D	E	F	G	M	N	P		T	AC S	AD	HF	LA	L
80M	2,4,6	19	40	6	15.5	165	130	200	4-Φ12	3.5	175	145	-	12	375
90S	2,4,6	24	50	8	20	165	130	200	4-Φ12	3.5	195	170	-	12	410
90L	2,4,6	24	50	8	20	165	130	200	4-Φ12	3.5	195	170	-	12	440
100L	2,4,6	28	60	8	24	215	180	250	4-Φ14.5	4	215	180	300	13	505
112M	2,4,6	28	60	8	24	215	180	250	4-Φ14.5	4	240	190	275	14	490
132S	2,4,6	38	80	10	33	265	230	300	4-Φ14.5	4	310	230	335	14	560
132M	2,4,6	38	80	10	33	265	230	300	4-Φ14.5	4	310	230	335	14	590
160M	2,4,6	42	110	12	37	300	250	350	4-Φ18.5	5	340	270	457	15	780
160L	2,4,6	42	110	12	37	300	250	350	4-Φ18.5	5	340	270	457	15	810
180M	2,4,6	48	110	14	42.5	300	250	350	4-Φ18.5	5	390	290	494	15	820
180L	2,4,6	48	110	14	42.5	300	250	350	4-Φ18.5	5	390	290	494	15	850
200L	2,4,6	55	110	16	49	350	300	400	4-Φ18.5	5	420	320	544	17	9100
225S	4	60	140	18	53	400	350	450	8-Φ18.5	5	470	350	616	20	940
225M	2	55	110	16	49	400	350	450	8-Φ18.5	5	470	350	616	20	930
225M	4,6	60	140	18	53	400	350	450	8-Φ18.5	5	470	350	535	20	960
250M	2	60	140	18	53	500	450	550	8-Φ18.5	5	550	400	720	22	1070
250M	4,6	65	140	18	58	500	450	550	8-Φ18.5	5	550	400	720	22	1070
280S	2	65	140	18	58	500	450	550	8-Φ18.5	5	580	430	810	22	1095
280S	4,6	75	140	20	67.5	500	450	550	8-Φ18.5	5	580	430	810	22	1095
280M	2	65	140	18	58	500	450	550	8-Φ18.5	5	580	430	810	22	1160
280M	4,6	75	140	20	67.5	500	450	550	8-Φ18.5	5	580	430	810	22	1160
315S	2	65	140	18	58	600	550	660	8-Φ24	6	645	570	880	22	1375
315S	4,6	80	170	22	71	600	550	660	8-Φ24	6	645	570	880	22	1410
315M	2	65	140	18	58	600	550	660	8-Φ24	6	645	570	880	22	1570
315M	4,6	80	170	22	71	600	550	660	8-Φ24	6	645	570	880	22	1600
315L	2	65	140	18	58	600	550	660	8-Φ24	6	645	570	880	22	1570
315L	4,6	80	170	22	71	600	550	660	8-Φ24	6	645	570	880	22	1600
355M	2	75	140	20	67.5	740	680	800	8-Φ24	6	710	655	1055	25	1690
355M	4,6	95	170	25	86	740	680	800	8-Φ24	6	710	655	1055	25	1720
355L	2	75	140	20	67.5	740	680	800	8-Φ24	6	710	655	1055	25	1690
355L	4,6	95	170	25	86	740	680	800	8-Φ24	6	710	655	1055	25	1720
355LA	2	75	140	20	67.5	740	680	800	8-Φ24	6	750	810	1055	25	1920
355LB	4,6	95	170	25	86	740	680	800	8-Φ24	6	750	810	1055	25	2005

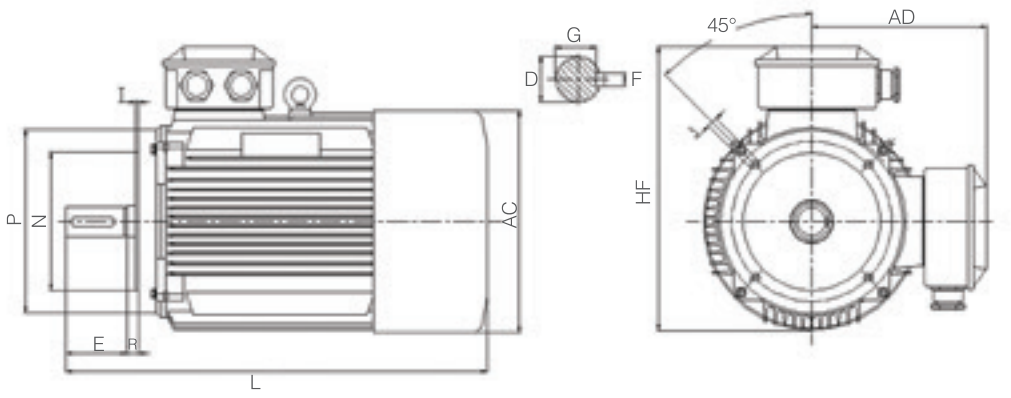
IE4 - B34 - Cast Iron



H80-112

Frame	Poles	A	B	C	D	E	F	G	H	K	M	N	P	R		T	AB	AC	AD	HD	BB	L
80M	2,4,6	125	100	50	19	40	6	15.5	80	10	100	80	120	0	4-M6	3	165	175	145	220	142	325
90S	2,4,6	140	100	56	24	50	8	20	90	10	115	95	140	0	4-M8	3	180	195	170	265	180	360
90L	2,4,6	140	125	56	24	50	8	20	90	10	115	95	140	0	4-M8	3	180	195	170	265	208	390
100L	2,4,6	160	140	63	28	60	8	24	100	12	130	110	160	0	4-M8	3.5	205	215	180	275	232	455
112M	2,4,6	190	140	70	28	60	8	24	112	12	130	110	160	0	4-M8	3.5	226	240	190	300	200	440

IE4 - B14 - Cast Iron



H80-112

Frame	Poles	D	E	F	G	M	N	P	R		T	AC	SAD	HF	L
80M	2,4,6	19	40	6	15.5	100	80	120	0	4-M6	3	175	145	-	325
90S	2,4,6	24	50	8	20	115	95	140	0	4-M8	3	195	170	-	360
90L	2,4,6	24	50	8	20	115	95	140	0	4-M8	3	195	170	-	390
100L	2,4,6	28	60	8	24	130	110	160	0	4-M8	3.5	215	180	300	455
112M	2,4,6	28	60	8	24	130	110	160	0	4-M8	3.5	240	190	275	440

Cable Gland

Frame	Type
80-90	1-M20×1.5
100-112	2-M20×1.5
132	2-M25×1.5
160-180	2-M40×1.5
220-225	2-M50×1.5
250-315	2-M63×1.5
355	2-M63×1.5
3551、3552	6-M63*1.5

Vibration

Vibration class	Shaft (mm)	80H132			132<H280			H>280		
	IMB	Displacememtn (μm)	Speed (mm/s)	Accelerated speed (m/s2)	Displacememt (μm)	Speed (mm/s)	Accelerated speed (m/s2)	Displacememt (μm)	Speed (mm/s)	Accelerated speed (m/s2)
A	Hanging	25	1.6	2.5	35	2.2	3.5	45	2.8	4.4
	Rigid Mounting	21	1.3	2.0	29	1.8	2.8	37	2.3	3.6

STORAGE AND TRANSPORT

The motors have to be protected against mechanical damages and if possible they are to be stored in closed and dry rooms. In case of short-term outdoor storage they have to be protected against all harmful influences. Never transport or store the motors on the fan cowl. During transportation the motors should be kept from any damage.

MOUNTING - TRANSMISSION COMPONENTS

When pulling a transmission component onto the shaft it is necessary to use a pull-on device or to warm up the component to be pulled on. To prevent shaft, bearings and other parts from damages the transmission components must never be driven onto the shaft by hammer.

MOUNTING - BALANCING

All components attached to the shaft end are to be balanced dynamically. On the part of the manufacturer the rotors are balanced with half key.

MOUNTING - INSTALLATION

If possible, the motors are to be installed free from vibration. In the case of direct coupling the motor is to be accurately aligned to the driven machine. The axles of the machines must be in line and no stresses should occur.

MOUNTING - VENTILATION

Vent holes and cooling fins are to be kept free and the required minimum distances must be observed. It is to be avoided that the heated up cooling air is taken in again. In case of outdoor-installation the motors have to be protected against influences (rain, snow and ice, freezing of the fan)

COMMISSIONING - PREREQUISITES

- All operations have to be carried out by skilled staff with the motor in dead state
- The power supply has to correspond with the name plate.
  Voltage tolerance in acc. with EN 60034-1
- The dimensions of the connection cables have to be adapted to the rated motor currents.

COMMISSIONING - OVERLOAD PROTECTION

In case of direct starting, the motors are to be provided with triple-pole protection switch. A protection is also needed for Delta/Star starting. For motors with PTC-thermistors a tripping device is required. For motors with bi-metal thermistors it is needed to switch off the motor with a contactor in case of overload.

COMMISSIONING - ROTATION DIRECTION

The rotation direction is to be checked before coupling the machine. If necessary, the rotation direction can be altered by changing the connections of two phases.

COMMISSIONING - ROTATION DIRECTION

- Check all terminal box connections are tightened
-The inside is clean and free from particles
- Unused cable entries are closed and threaded plugs are tightened
- The packing in the terminal box lid is inserted correctly.

COMMISSIONING - SWITCHING THE MOTOR

Before switching the motor on, during operation and when switching it off it should be checked whether all safety regulations are followed. When switching the motor on the current under load should be observed to detect possible overloads.

COMMISSIONING - INSULATION

Before starting a new motor and after long periods of inactivity or storage, the insulation resistance of the windings is to be measured. The resistance should be higher than 5MΩ at 25°C ambient temperature. If this value cannot be obtained, the winding is damp and must be dried out.



MAINTENANCE

The motor as well as possible accessories should always be kept clean, free from dust trace, oil or other grime.
- That the motor operates without any vibrations or anomalous noises
- That the tension of a possible driving belt is correct
- That the inlet of the ventilations circuits is not obscured causing overheating of the windings

BEARINGS

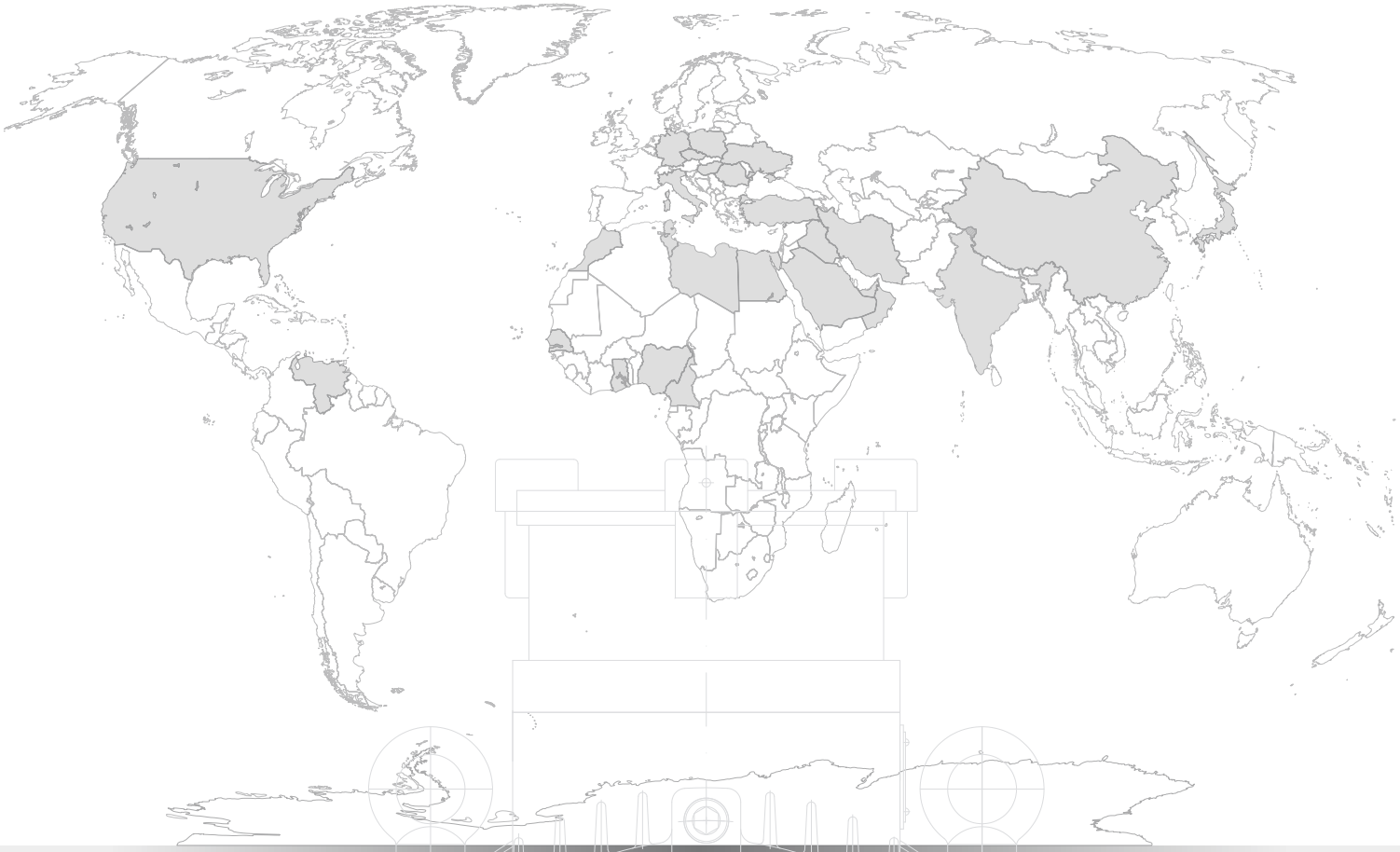
All motors are fitted with high quality, lifetime-lubricated bearings from the manufacturer SKF. The nominal rating life of the bearings used in horizontal mounted motors without any axial load is 40.000 operating hours, for Power take-off via shaft-coupling. Under the use of maximal load the lifetime of the bearings is min. 20.000 operating hours. From framesize 250 all motors have open bearings and lubrication devices. Option: reinforced bearings.

Lubrication intervals

6312/C3	2500	5500	7200	8500	20
6313/C3	2300	5300	7100	8400	23
6314/C3	2100	5200	7000	8200	26
6316/C3	1800	4900	6700	8000	33
6319/C3	1300	4600	6500	7800	51
6322/C3	1300	4600	6500	7800	60
NU314E/C3	1000	2500	3400	4000	26
NU316E/C3	800	2300	3200	3900	33
NU319E/C3	500	2200	3100	3800	51
NU322E/C3	300	2100	3000	3700	60
7314B	2000	4900	6600	7800	26
7316B	1700	4600	6300	7500	33
7319B	1200	3800	5700	7100	51
7322B	1200	3800	5700	7100	60

CATALOGUE

OM Standard Electric Motor



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ORSATTI GROUP

OME Electric Motors srl

Headquarter / Sede Amministrativa - Via Camillo Golgi, 8 - 25064 GUSSAGO (BS)

Warehouse / Sede Operativa - Via Niccolò Tartaglia, 6/B - 25064 GUSSAGO (BS)

Plant Site / Sito Produttivo - Via Mattei, 251-253 - 25080 NUVOLERA (BS)

Cod.Fisc. e Partita IVA: 03276210980 - Tel.+39 030 3737072 - info@omemotors.com

www.omemotors.com