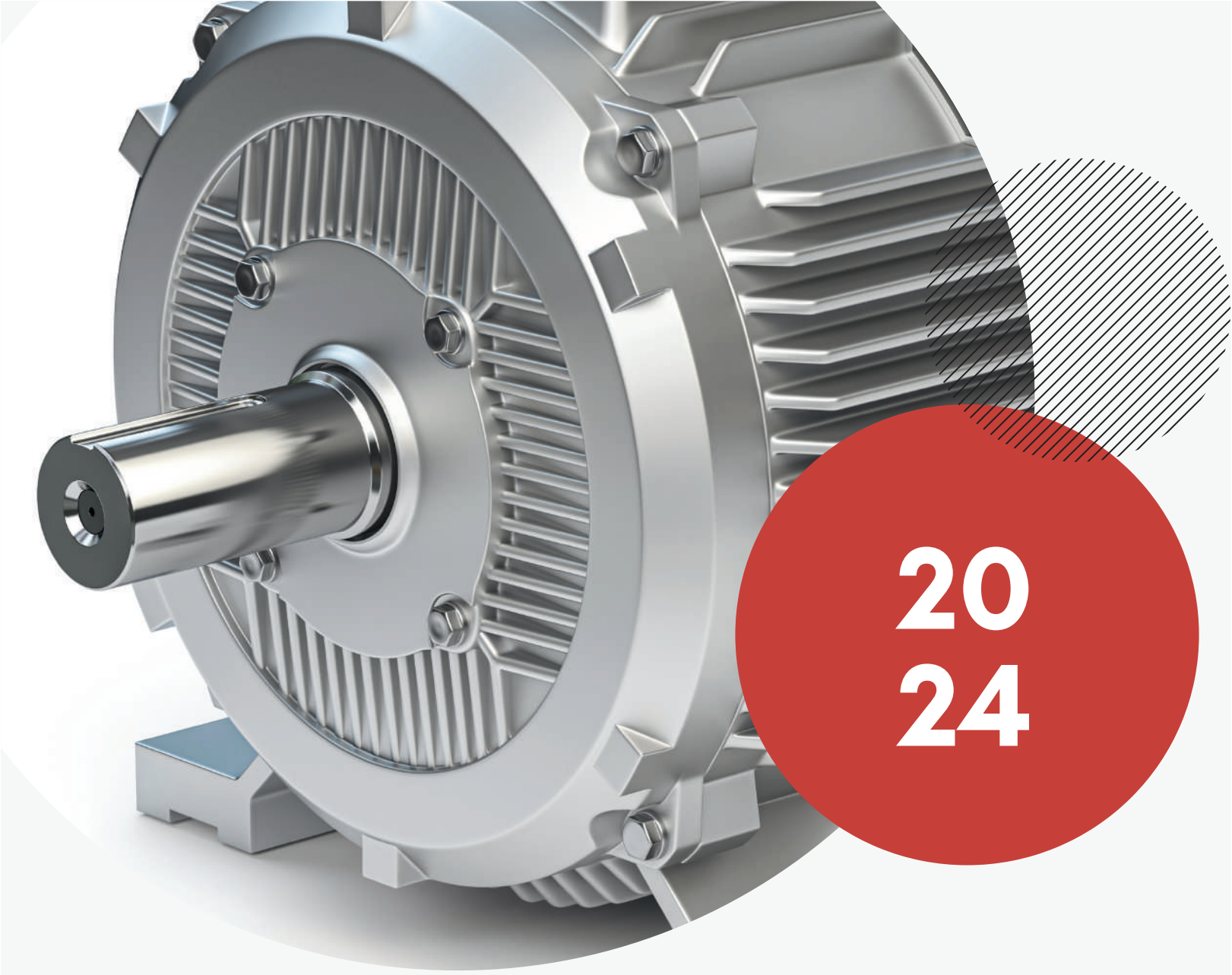
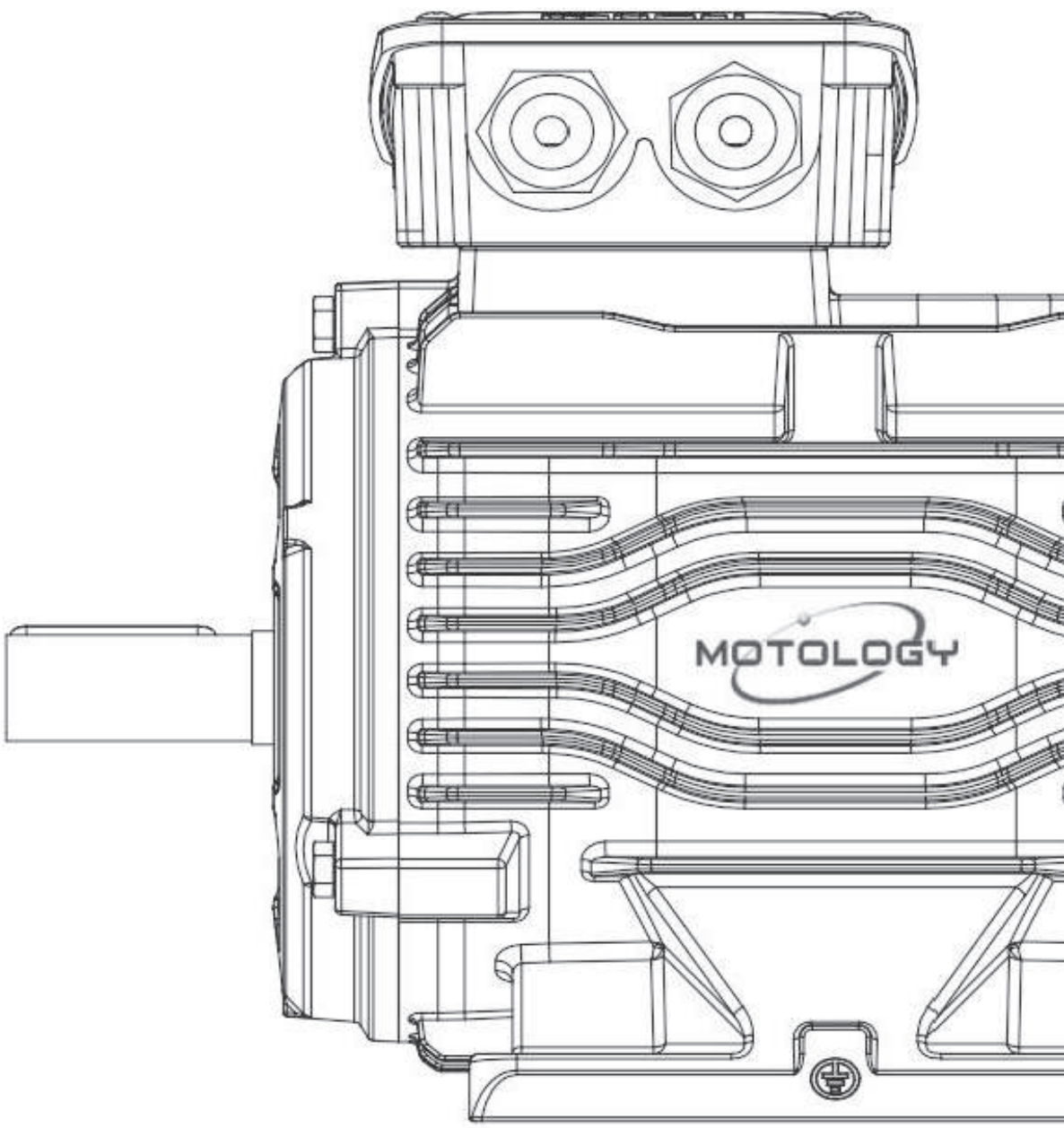
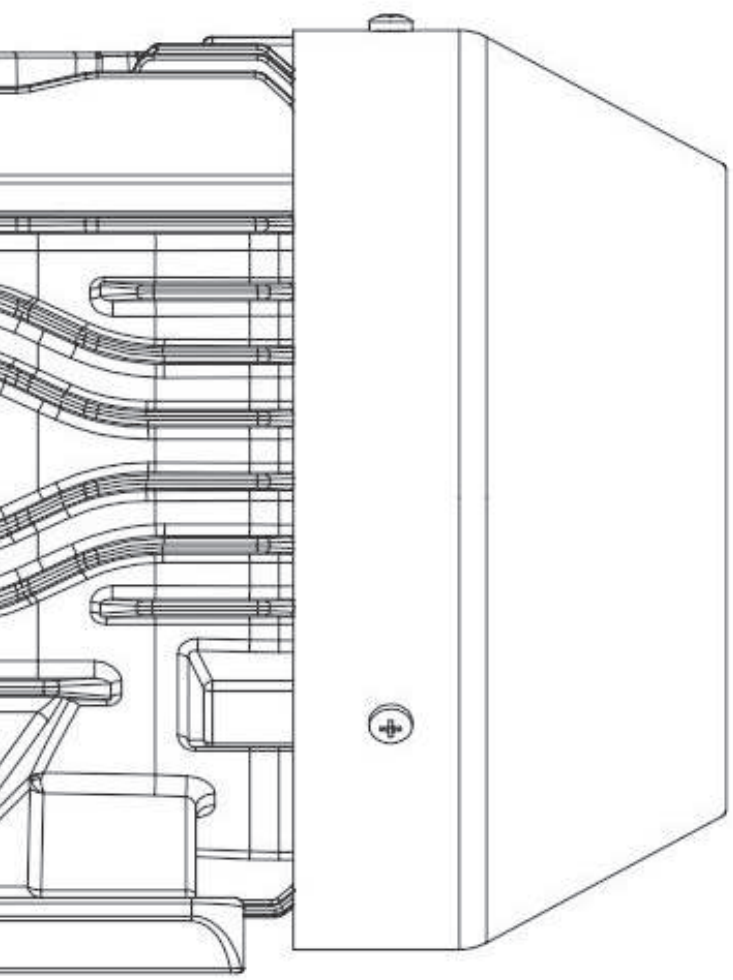


2024

PRODUCT CATALOGUE

MOTOLOGY


MOTOLOGY



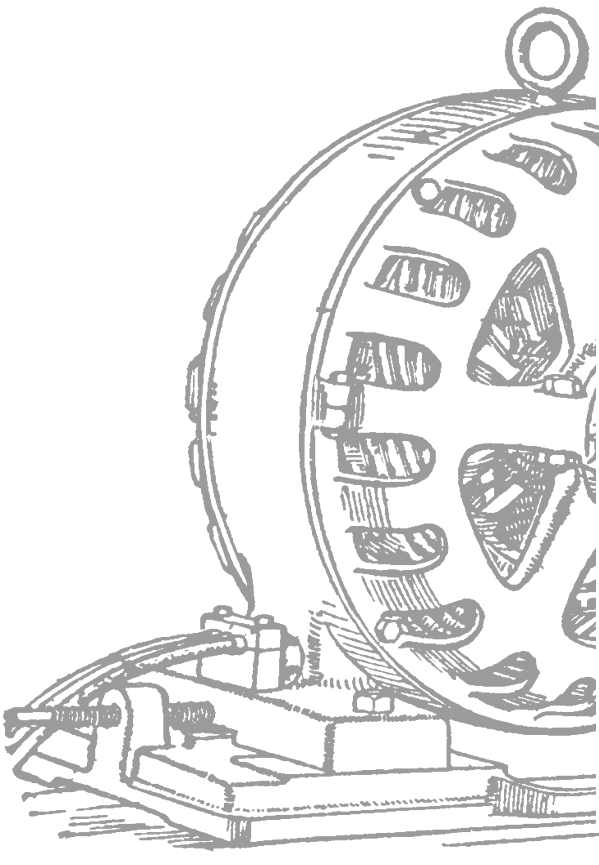
ABOUT US

- Motology main core products consists of standard motors for the general purpose market and non-standard motors such as Certified Smoke Spill Motors(Class 'H'); 2 Speed motors, Explosion Proof Motors; Slip Ring Motors; Brake Motors; Inverter Run Motors; Marine Motors; TENV Motors and Single Phase Motors to suit the different requirements of the industry.

- Motology Industrial Co., Ltd (Vietnam) is to create synergy that will bring about better service and support closer to the customers in Vietnam and Asia.

- Motology Electric Sdn Bdh was established in 2013 and is a joint venture of motor Group that has more than 24 years of electric motor manufacturing expertise.

- Motology Electric Sdn Bdh has expanded with Malaysia branch office and warehouse (2014) as well as Indonesia two branches and warehouses (2013), Vietnam brand office and warehouse (2024). It's also has appointed Distributors and Agents all over Asia like the Philippines, Cambodia, Thailand, etc.



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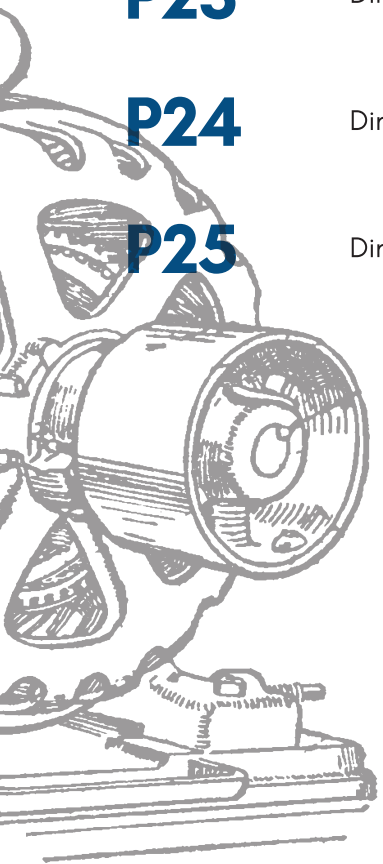
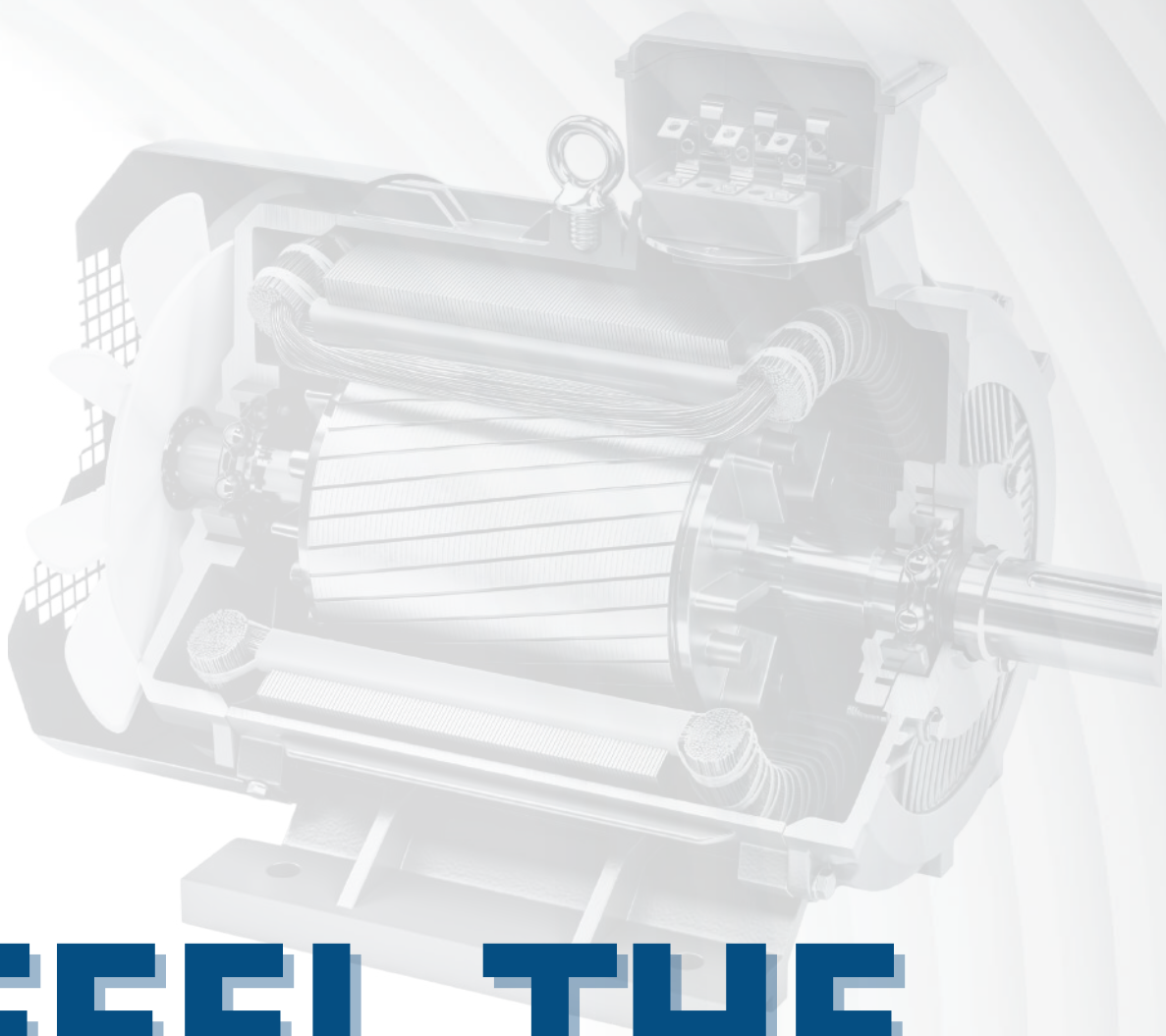




FEEL THE POWER

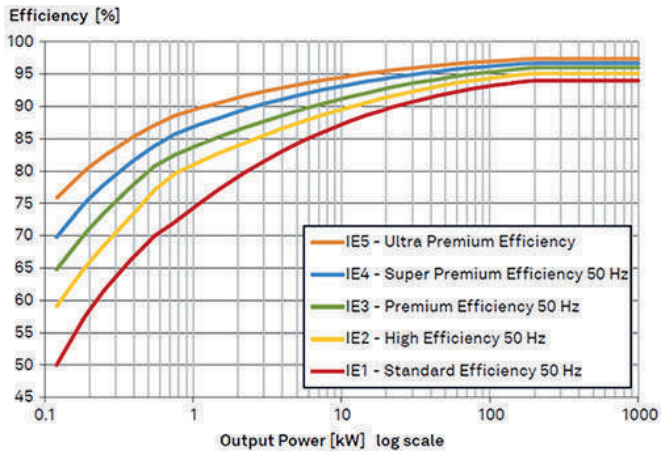
GENARAL FEATURES

HIGH EFFICIENCY MOTORS

MOTOLOGY motors are designed and manufactured in accordance with the parameters of the int. standard 60034-30-1 for efficiency IE1, IE2, IE3, IE4, IE5

The motors are totally enclosed, fan cooled, with squirrel cage rotor.

IEC 60034-30-1 standard defines IE (International Efficiency) efficiency classes of single speed three-phase cage induction motors; 50Hz and 60Hz; 2,4,6,8, poles; rated voltage up to 1000V; S1 duty in the new standard.

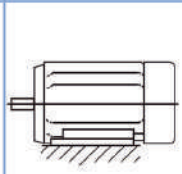
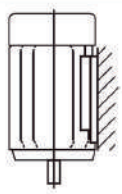
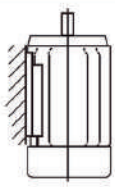
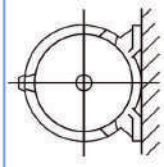
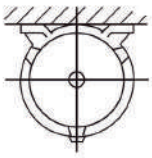
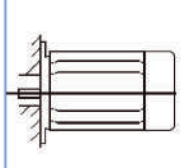
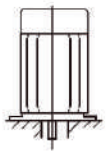
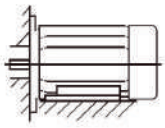
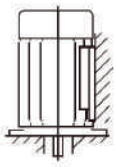
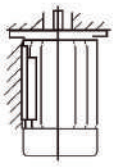
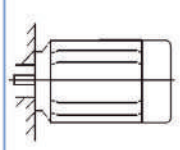
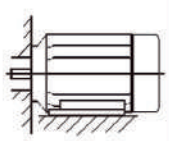
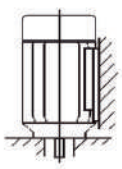
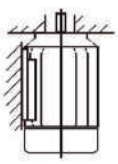


IEC 60034-30 EFFICIENCY CLASSES OF THREE PHASE INDUCTION MOTORS (IE-CODE)

Rate Output	Efficiency η %																								
	Standard Efficiency (IE1)					Standard Efficiency (IE2)					Standard Efficiency (IE3)					Standard Efficiency (IE4)					Standard Efficiency (IE5)				
KW	2 Poles	4 Poles	6 Poles	8 Poles	10Poles	2 Poles	4 Poles	6 Poles	8 Poles	10Poles	2 Poles	4 Poles	6 Poles	8 Poles	10Poles	2 Poles	4 Poles	6 Poles	8 Poles	10Poles	2 Poles	4 Poles	6 Poles	8 Poles	10Poles
0.18	52.8	57.0	45.5	38.0		60.4	59.1	56.6	45.9		65.9	69.9	63.9	58.7		70.8	74.7	70.1	67.2		75.2	78.7	74.6	71.9	
0.25	58.2	61.5	52.1	43.4		64.8	64.7	61.6	50.6		69.7	73.5	68.6	64.1		74.3	77.9	74.1	70.8		78.3	81.5	78.1	75.2	
0.37	63.9	66.0	59.7	49.7		69.5	68.5	67.6	56.1		73.8	77.3	73.5	69.3		78.1	81.1	78.0	74.3		81.7	84.3	81.6	78.4	
0.55	69.0	70.0	65.8	56.1		74.1	727.0	73.1	61.7		77.8	80.8	77.2	73.0		81.5	83.9	80.9	77.0		84.6	86.7	84.2	80.6	
0.75	72.1	72.1	70.0	61.2		77.4	77.1	75.9	66.2		80.7	82.5	78.9	75.0		83.5	85.7	82.7	78.4		86.3	88.2	85.7	82.0	
1.1	75.0	75.0	72.9	66.5		79.6	79.6	78.1	70.8		82.7	84.1	81.0	77.7		85.2	87.2	84.5	80.8		87.8	89.2	87.2	84.0	
1.5	77.2	77.2	75.2	70.2		81.3	81.4	79.8	74.1		84.2	85.3	82.5	79.7		86.5	88.2	85.9	82.6		88.9	90.4	88.4	85.5	
2.2	79.7	79.7	77.7	74.2		83.2	82.8	81.8	77.6		85.9	86.7	84.3	81.9		88.0	89.5	87.4	84.5		90.2	91.4	89.7	87.2	
3	81.5	81.5	79.7	77.0		84.6	84.3	83.3	80.0		87.1	87.7	85.6	83.5		89.1	90.4	88.6	85.9		91.1	92.1	90.6	88.4	
4	83.1	83.1	81.4	79.2		85.8	85.5	84.6	81.9		88.1	88.6	86.8	84.8		90.0	91.1	89.5	87.1		91.8	92.8	91.4	89.4	
5.5	84.7	84.7	83.1	81.4		87.0	86.6	86.0	83.8		89.2	89.6	88.0	86.2		90.9	91.9	90.5	88.3		92.6	93.4	92.2	90.4	
7.5	86.0	86.0	84.7	83.1		88.1	87.7	87.2	85.3		90.1	90.4	89.1	87.3		91.7	92.6	91.3	89.3		93.3	94.0	92.9	91.3	
11	87.6	87.6	86.4	85.0		89.4	88.7	88.7	86.9		91.2	91.4	90.3	88.6		92.6	93.3	92.3	90.4		94.0	94.6	93.7	92.2	
15	88.7	88.7	87.7	86.2		90.3	89.8	89.7	88.0		91.9	92.1	91.2	89.6		93.3	93.9	92.9	91.2		94.5	95.1	94.3	92.9	
18.5	89.3	89.3	88.6	86.9		90.9	90.6	90.4	88.6		92.4	92.6	91.7	90.1		93.7	94.2	93.4	91.7		94.9	95.3	94.6	93.3	
22	89.9	89.9	89.2	87.4		91.3	91.2	90.9	89.1		92.7	93.0	92.2	90.6		94.0	94.5	93.7	92.1		95.1	95.5	94.9	93.6	
30	90.7	90.7	90.2	88.3		92.0	91.6	91.7	89.8		93.3	93.6	92.9	91.3		94.5	94.9	94.2	92.7		95.5	95.9	95.3	94.1	
37	91.2	91.2	90.8	88.8		92.5	92.3	92.2	90.3		93.7	93.9	93.3	91.8		94.8	95.2	94.5	93.1		95.8	96.1	95.6	94.4	
45	91.7	91.7	91.4	89.2	91.5	92.9	92.7	92.7	90.7	91.5	94.0	94.2	93.7	92.2	92.0	95.0	95.4	94.8	93.4	91.5	96.0	96.3	95.8	94.7	91.6
55	92.1	92.1	91.9	89.7	92.0	93.2	93.1	93.1	91.0	92.0	94.3	94.6	94.1	92.5	92.0	95.3	95.7	95.1	93.7	92.0	96.2	96.5	96.0	94.9	92.1
75	92.7	92.7	92.6	90.3	92.5	93.8	93.5	93.7	91.6	92.5	94.7	95.0	94.6	93.1	92.8	95.6	96.0	95.4	94.2	92.5	96.5	96.7	96.3	95.3	92.6
90	93.0	93.0	92.9	90.7	93.0	94.1	94.0	94.0	91.9	93.0	95.0	95.2	94.9	93.4	93.0	95.8	96.1	95.6	94.4	93.0	96.6	96.9	96.5	95.5	93.1
110	93.3	93.3	93.3	91.1	93.2	94.3	94.2	94.3	92.3	93.2	95.2	95.4	95.1	93.7	93.3	96.0	96.3	95.8	94.7	93.2	96.8	97.0	96.6	95.7	93.3
132	93.5	93.5	93.5	91.5	93.5	94.6	94.5	94.6	92.6	93.5	95.4	95.6	95.4	94.0	93.8	96.2	96.4	96.0	94.9	93.5	96.9	97.1	96.8	95.9	93.6
160	93.8	93.8	93.8	91.9	93.5	94.8	94.7	94.8	93.0	93.5	95.6	95.8	95.6	94.3	93.8	96.3	96.6	96.2	95.1	93.5	97.0	97.2	96.9	96.0	93.6
200	94.0	94.0	94.0	92.5	93.8	95.0	94.9	95.0	93.5	93.8	95.8	96.0	95.8	94.6	93.8	96.5	96.7	96.3	95.4	93.8	97.2	97.4	97.0	96.1	93.9
250	94.0	94.0	94.0	92.5	93.8	95.0	95.1	95.0	93.5	93.8	95.8	96.0	95.8	94.6	93.8	96.5	96.7	96.5	95.4	93.8	97.2	97.4	97.0	96.3	93.9
IE 315-1000	94.0	94.0	94.0	92.5	93.8	95.0	95.1	95.0	93.5	93.8	95.8	96.0	95.8	94.6	93.8	96.5	96.7	96.6	95.4	93.8	97.2	97.4	97.0	96.3	93.9

STANDARDS

TITLE	IEC
Rating and performance	60034 - 1
Standard methods for determining losses and efficiency from tests	60034 - 2 - 1
Classification of degrees of protection (IP code)	60034 - 5
Methods of cooling (IC code)	60034 - 6
Classification of type of construction and mounting arrangement and terminal box position (IM code)	60034 - 7
Terminal markings and direction of rotation	60034 - 8
Noise limits	60034 - 9
Thermal protection	60034 - 11
Starting performance of single-speed three-phase cage induction motors	60034 - 12
Mechanical vibration of certain machines with shaft heights 56 mm and higher. Measurement, evaluation and limits of vibration severity	60034 - 14
Efficiency classes of single-speed, three-phase, cage-induction (IE code)	60034 - 30 - 1
Standard voltages	60038
Dimensions and outputs series for electrical machines. Part I: Frame numbers 56 to 400 flange numbers 55 to 1080	60072 - 1

Mouning Arrangements	Feet mounting without flange					
	B3 (IM1001)	V5 (IM1011)	V6 (IM1031)	B6 (IM1051)	B7 (IM1061)	B8 (IM1071)
Range	H56-H400	H56-HI60	H56-H160	H56-H160	H56-H160	H56-H160
Diagram						
Mouning Arrangements	Large flange mounting without feet			Large flange and feet mounting		
	B5(IM3001)	V1(IM3011)	V3(IM031)	B35(IM2001)	V15(IM2011)	V35 (IM2031)
Range	H56-H280	H56-H355	H56-HI60	H56-H400	H56-H160	H56-H160
Diagram						
Mouning Arrangements	Small flange mounting without feet			Small flange and feet mounting		
	B14(IM3601)	V18(IM3611)	V19(IM3631)	B34(IM2101)	V17(IM2111)	V37(IM2131)
Range	H56-H132	H56-H132	H56-H132	H56-H132	H56-H132	H56-H132
Diagram						

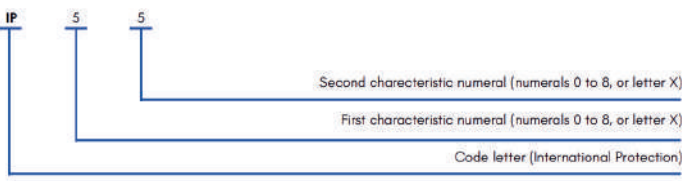
BEARING & LUBRICATION

FRAME SIZE	POLES	STANDARD MOTOR AND DERIVED SERIES MOTOR		
		BEARING ON DE	BEARING ON NDE	LUBRICATION
ME 56	2,4	6201ZZ-C3	6201ZZ-C3	Life Bearing
ME 63	2,4	6201ZZ-C3	6201ZZ-C3	Life Bearing
ME 71	2,4,6	6202ZZ-C3	6202ZZ-C3	Life Bearing
ME 80	2,4,6,8	6204ZZ-C3	6204ZZ-C3	Life Bearing
ME90	2,4,6,8	6205ZZ-C3	6205ZZ-C3	Life Bearing
ME 100	2,4,6,8	6206ZZ-C3	6206ZZ-C3	Life Bearing
ME 112	2,4,6,8	6206ZZ-C3	6206ZZ-C3	Life Bearing
ME 132	2,4,6,8	6208ZZ-C3	6208ZZ-C3	Life Bearing
ME 160	2	6209ZZ-C3	6209ZZ-C3	20
ME 160	4,6,8	6309ZZ-C3	6209ZZ-C3	20
ME 180	2	6211-C3	6211-C3	25
ME 180	4,6,8	6311-C3	6211-C3	25
ME 200	2	6212-C3	6212-C3	25
ME 200	4,6,8	6312-C3	6212-C3	25
ME 225	2	6312-C3	6312-C3	30
ME 225	4,6,8	6313-C3	6312-C3	30
ME 250	2	6313-C3	6313-C3	40
ME 250	4,6,8	6314-C3	6313-C3	40
ME 280	2	6314-C3	6314-C3	40
ME 280	4, 6, 8,10	6317-C3	6314-C3	40
ME 315	2	6316-C3	6316-C3	45
ME 315	4, 6, 8,10	NU319-C3	6319-C3	50
ME 355	2	6319-C3	6319-C3	60
ME 355	4, 6, 8,10	NU322-C3	6322-C3	60

DEGREES OF PROTECTION

Degrees of Protection provided by enclosures (IP Code)

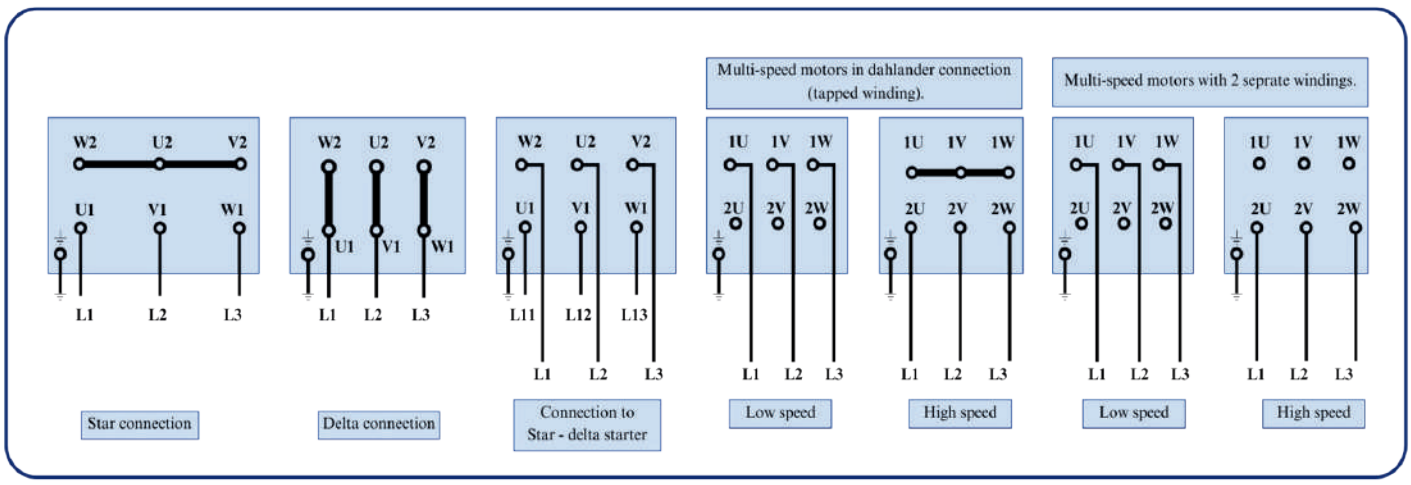
Arrangement of the IP Code



First characterristic mumeral	Degree of protection
0	Non-protected
1	Protected aganst solid foreign objects of 50mm Φ and greater
2	Protected aganst solid foreign objects of 12.5mm Φ and greater
3	Protected aganst solid foreign objects of 2.5mm Φ and greater
4	Protected aganst solid foreign objects of 1.0mm Φ and greater
5	Dust-protected
6	Dust-tight

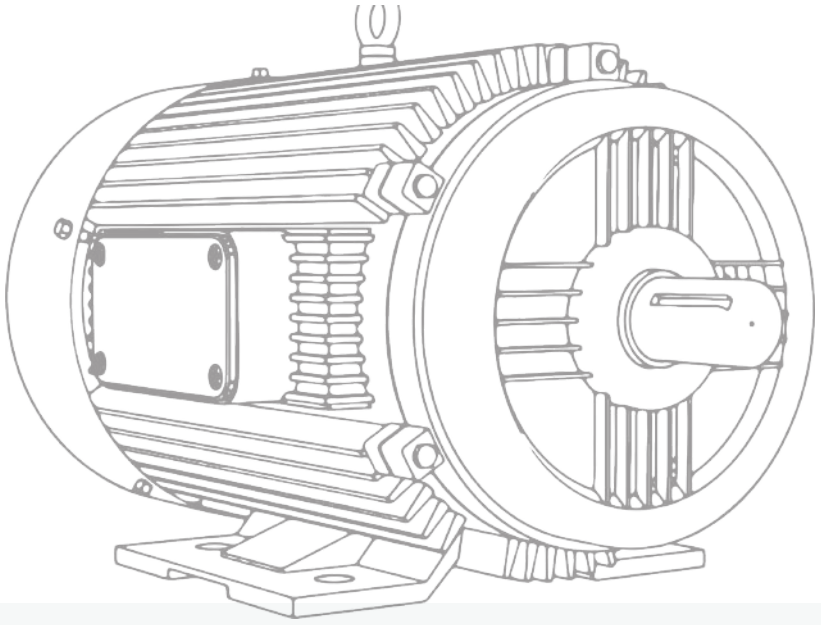
Second characterristic mumeral	Degree of protection
0	Non-protection
1	Protected against vertical falling water drops
2	Protected against vertical falling water drops when enclosure tilted up to
3	Protected against spraying water
4	Protected against splashing water
5	Protected against water jets
6	Protected against powerful water jets
7	Protected against the effects of temporary immersion in water
8	Protected against the effects of continuous immersion in water

CONNECTION DIAGRAMS

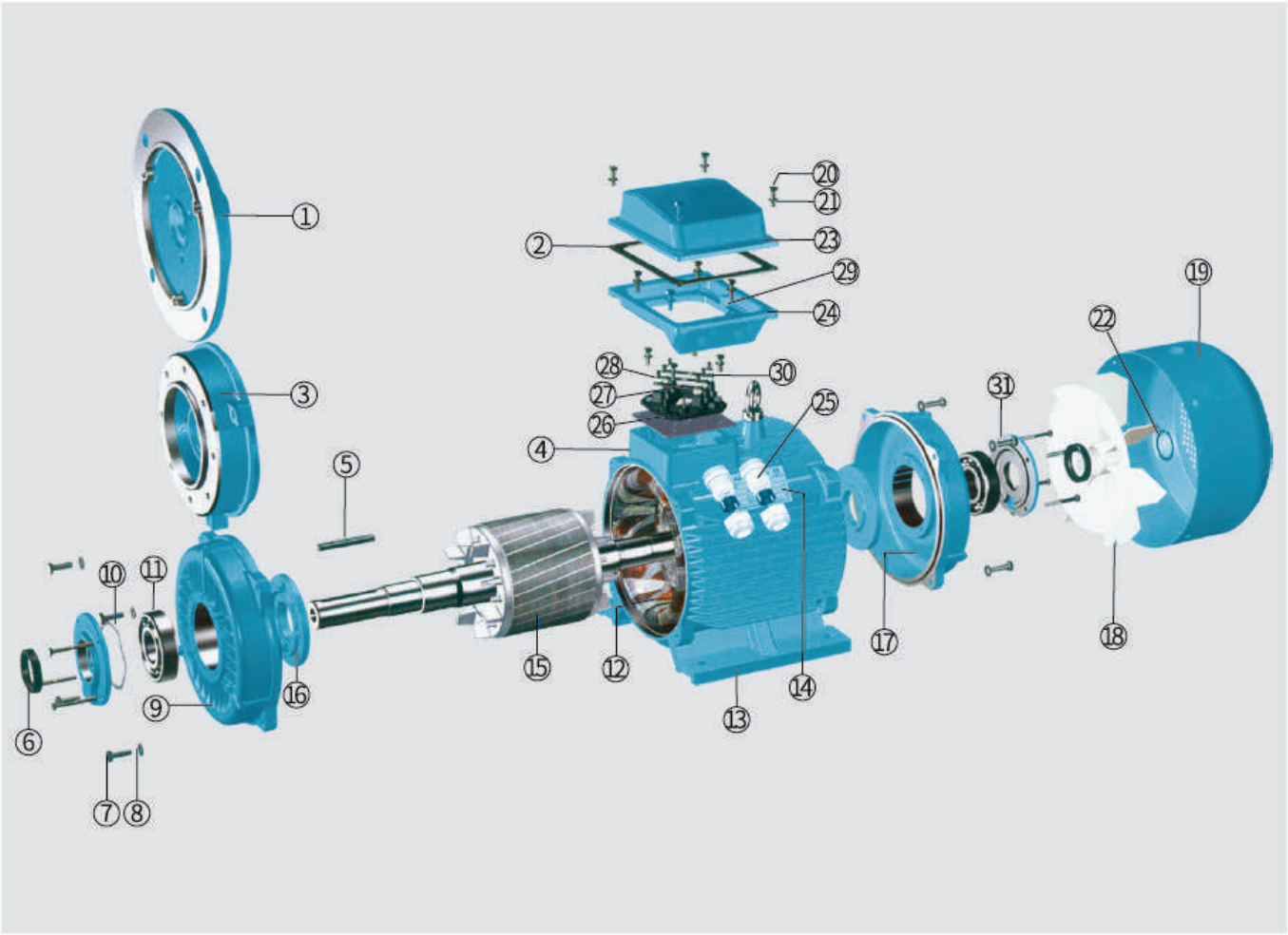


TEMPERATURE

	INSULATION CLASS	
	Class F	Class H
Max. permissible winding temprerature (0°C)	155	180
Max. ambient tempreature (°C)	45	80
Min. ambient tempreature (°C)	-15	-15
Max. hours of operation at max. ambient tempreature (°C)	Unlimited	Unlimited
Max. permissible humidity (%)	100	100
Temprerature rise safety margin (K)	80K	125K



MOTOR SPARE PART LIST



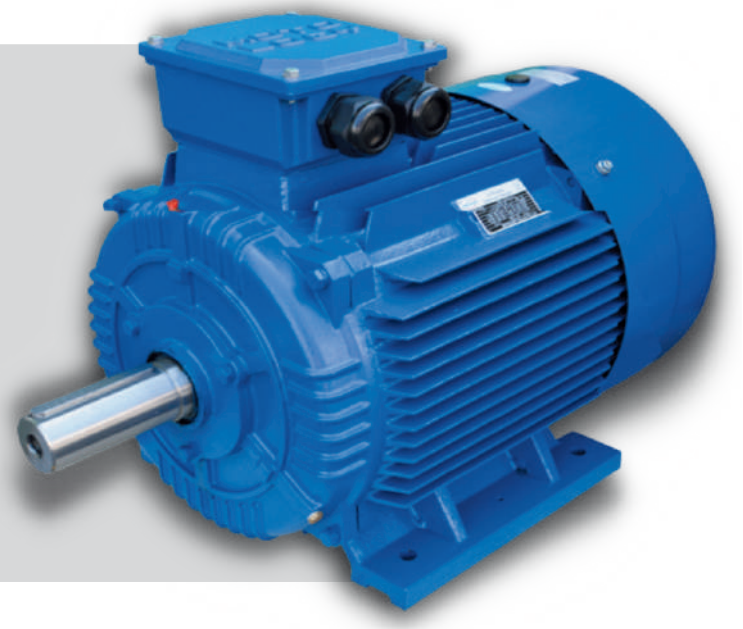
1. B5 Flange
2. Gasket
3. B14 Flange
4. Housing/Body
5. Key
6. VRing/Oil Seal
7. Bolt
8. Spring Washer
9. Frontendshield/Cover
10. Wave Washer
11. Bearing
12. Stator
13. Feet
14. Nameplate
15. Rotor
16. Inner Bearing Cap
17. Rear Endshield/Cover
18. Fan
19. Fan Cover
20. Screw
21. Washer
22. Fan Clamp
23. Terminal Box Lid
24. Terminal Box Base
25. Cable Gland
26. Terminal Board
27. Brass Lug
28. Brass Nut
29. Earth Mark
30. Brass Washer
31. Outer Bearing Cap

DATA PERFORMANCE

ME

SERIES THREE - PHRASE ASYNCHRONOUS MOTOR

CAST IRON HOUSING



INDUCTION MOTORS

The three-phase motors conform to IEC standards. They are reliable motors with excellent power factors, efficiencies, and starting torques. These motors are widely used in the agricultural, pumping, manufacturing, and building services industries.

TECHNICAL DATA IE1 MOTOR - 2 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME63MA-2	0.18	0.25	2780	0.65	0.62	0.59	51.7	52.8	52.8	0.8	0.62	2.2	2.3	5.0	61	9
ME63MB-2	0.25	0.37	2780	0.81	0.77	0.74	57.0	58.2	58.2	0.81	0.86	2.2	2.3	5.0	61	10
ME71MA-2	0.37	0.5	2800	1.09	1.03	0.99	62.6	63.9	63.9	0.81	1.26	2.2	2.3	5.5	64	12
ME71MB-2	0.55	0.75	2800	1.46	1.39	1.34	67.6	69.0	69.0	0.83	1.88	2.2	2.3	5.5	64	13
ME80MA-2	0.75	1	2825	1.90	1.81	1.74	70.7	72.1	72.1	0.83	2.54	2.2	2.3	6.1	67	15
ME80MB-2	1.1	1.5	2825	2.65	2.52	2.43	73.5	75.0	75.0	0.84	3.72	2.2	2.3	7.0	67	16.5
ME90S-2	1.5	2	2840	3.51	3.34	3.22	75.7	77.2	77.2	0.84	5.04	2.2	2.3	7.0	72	20
ME90L-2	2.2	3	2840	4.93	4.69	4.52	78.1	79.7	79.7	0.85	7.4	2.2	2.3	7.0	72	24
ME100L-2	3	4	2870	6.43	6.11	5.89	79.9	81.5	81.5	0.87	9.98	2.2	2.3	7.5	76	31
ME112M-2	4	5.5	2880	8.31	7.9	7.61	81.4	83.1	83.1	0.88	13.3	2.2	2.3	7.5	77	38
ME132SA-2	5.5	7.5	2900	11.21	10.65	10.27	83.0	84.7	84.7	0.88	18.1	2.2	2.3	7.5	80	58
ME132SB-2	7.5	10	2900	15.06	14.3	13.79	84.3	86	86	0.88	24.7	2.2	2.3	7.5	80	62
ME160MA-2	11	15	2930	21.44	20.36	19.63	85.8	87.6	87.6	0.89	35.9	2.2	2.3	7.5	86	103
ME160MB-2	15	20	2930	28.87	27.43	26.43	86.9	88.7	88.7	0.89	48.9	2.2	2.3	7.5	86	112
ME160L-2	18.5	25	2930	34.97	33.22	32.02	87.5	89.3	89.3	0.9	60.3	2.2	2.3	7.5	86	135
ME180M-2	22	30	2940	41.31	39.25	37.83	88.1	89.9	89.9	0.9	71.5	2.0	2.3	7.5	89	165
ME200LA-2	30	40	2950	55.84	53.05	51.13	88.9	90.7	90.7	0.9	97.1	2.0	2.3	7.5	92	215
ME200LB-2	37	50	2950	68.49	65.06	62.71	89.4	91.2	91.2	0.9	119.8	2.0	2.3	7.5	92	232
ME225M-2	45	60	2960	82.84	78.7	75.86	89.9	91.7	91.7	0.9	145.2	2.0	2.3	7.5	92	285
ME250M-2	55	75	2965	100.81	95.77	92.31	90.3	92.1	92.1	0.9	177.2	2.0	2.3	7.5	93	375
ME280S-2	75	100	2970	136.58	129.75	125.06	90.8	92.7	92.7	0.9	241.2	2.0	2.3	7.5	94	500
ME280M-2	90	120	2970	161.57	153.5	147.95	91.1	93.0	93.0	0.91	289.4	2.0	2.3	7.5	94	550
ME315S-2	110	150	2975	196.85	187	180.24	91.4	93.3	93.3	0.91	353.1	1.8	2.2	7.1	96	860
ME315M-2	132	180	2975	235.71	223.92	215.83	91.6	93.5	93.5	0.91	423.7	1.8	2.2	7.1	96	960
ME315LA-2	160	220	2975	281.70	267.61	257.94	91.9	93.8	93.8	0.92	513.6	1.8	2.2	7.1	99	1020
ME315LB-2	185	250	2975	325.02	308.77	297.61	92.1	94.0	94.0	0.92	593.8	1.8	2.2	7.1	99	1050
ME315LC-2	200	270	2975	351.37	333.81	321.74	92.1	94.0	94.0	0.92	642	1.8	2.2	7.1	99	1080
ME355MA-2	220	300	2980	386.51	367.19	353.91	92.1	94.0	94.0	0.92	705.1	1.6	2.2	7.1	99	1680
ME355MB-2	250	340	2980	439.22	417.26	402.18	92.1	94.0	94.0	0.92	801.2	1.6	2.2	7.1	103	1700
ME355LB-2	315	430	2980	553.41	525.74	506.74	92.1	94.0	94.0	0.92	1009.5	1.6	2.2	7.1	103	1850

TECHNICAL DATA IE1 MOTOR - 4 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME63MB-4	0.18	0.25	1350	0.66	0.62	0.60	55.9	57.0	57.0	0.73	1.27	2.0	2.2	4.0	52	9
ME71MA-4	0.25	0.37	1380	0.83	0.79	0.76	60.3	61.5	61.5	0.74	1.73	2.0	2.2	4.0	55	10
ME71MB-4	0.37	0.5	1380	1.14	1.08	1.04	64.7	66.0	66.0	0.75	2.56	2.0	2.2	4.0	55	12
ME80MA-4	0.55	0.75	1390	1.59	1.51	1.46	68.6	70.0	70.0	0.75	3.78	2.4	2.3	5.2	58	14.5
ME80MB-4	0.75	1	1390	2.08	1.98	1.90	70.7	72.1	72.1	0.76	5.15	2.3	2.3	6.0	58	15
ME90S-4	1.1	1.5	1400	2.89	2.75	2.65	73.5	75.0	75.0	0.77	7.50	2.3	2.3	6.0	61	19
ME90L-4	1.5	2	1400	3.74	3.55	3.42	75.7	77.2	77.2	0.79	10.2	2.3	2.3	6.0	61	23
ME100LA-4	2.2	3	1420	5.18	4.92	4.74	78.1	79.7	79.7	0.81	14.8	2.3	2.3	7.0	64	30
ME100LB-4	3	4	1420	6.82	6.48	6.25	79.9	81.5	81.5	0.82	20.2	2.3	2.3	7.0	64	33
ME112M-4	4	5.5	1440	8.92	8.47	8.17	81.4	83.1	83.1	0.82	26.5	2.3	2.3	7.0	65	43
ME132S-4	5.5	7.5	1440	11.9	11.3	10.9	83.0	84.7	84.7	0.83	36.5	2.3	2.3	7.0	71	60
ME132M-4	7.5	10	1440	15.8	15.0	14.4	84.3	86.0	86.0	0.84	49.7	2.3	2.3	7.0	71	69
ME160M-4	11	15	1460	22.7	21.6	20.8	85.8	87.6	87.6	0.84	72.0	2.2	2.3	7.0	75	107
ME160L-4	15	20	1460	30.2	28.7	27.7	86.9	88.7	88.7	0.85	98.1	2.2	2.3	7.5	75	130
ME180M-4	18.5	25	1465	36.6	34.8	33.5	87.5	89.3	89.3	0.86	120.6	2.2	2.3	7.5	76	162
ME180L-4	22	30	1465	43.2	41.1	39.6	88.1	89.9	89.9	0.86	143.4	2.2	2.3	7.5	76	175
ME200L-4	30	40	1470	58.4	55.5	53.5	88.9	90.7	90.7	0.86	194.9	2.2	2.3	7.2	79	227
ME225S-4	37	50	1475	70.9	67.3	64.9	89.4	91.2	91.2	0.87	239.6	2.2	2.3	7.2	81	282
ME225M-4	45	60	1475	85.7	81.4	78.5	89.9	91.7	91.7	0.87	291.4	2.2	2.3	7.2	81	315
ME250M-4	55	75	1475	104.3	99.1	95.5	90.3	92.1	92.1	0.87	3561.0	2.2	2.3	7.2	83	390
ME280S-4	75	100	1480	141.3	134.2	129.4	90.8	92.7	92.7	0.87	484.0	2.2	2.3	7.2	86	525
ME280M-4	90	120	1480	169.0	160.6	154.8	91.1	93.0	93.0	0.87	580.7	2.2	2.3	7.2	86	590
ME315S-4	110	150	1480	203.6	193.4	186.4	91.4	93.3	93.3	0.88	709.8	2.1	2.2	6.9	93	900
ME315M-4	132	180	1480	243.7	231.6	223.2	91.6	93.5	93.5	0.88	851.8	2.1	2.2	6.9	93	1000
ME315LA-4	160	220	1480	291.2	276.6	266.6	91.9	93.8	93.8	0.89	1032.4	2.1	2.2	6.9	97	1070
ME315LB-4	185	250	1480	336.7	319.9	308.3	91.9	93.8	93.8	0.89	1193.8	2.1	2.2	6.9	97	1090
ME315LC-4	200	270	1480	363.2	345.1	332.6	92.1	94.0	94.0	0.89	1290.5	2.1	2.2	6.9	97	1140
ME355MA-4	220	300	1490	399.5	379.6	365.8	92.1	94.0	94.0	0.89	1400.0	2.1	2.2	6.9	101	1700
ME355MB-4	250	340	1490	449.0	426.5	411.1	92.1	94.0	94.0	0.90	1602.3	2.1	2.2	6.9	101	1760
ME355LB-4	315	430	1490	565.7	537.4	518.0	92.1	94.0	94.0	0.90	2019.0	2.1	2.2	6.9	101	1920

TECHNICAL DATA IE1 MOTOR - 6 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME71MA-6	0.18	0.25	860	0.91	0.87	0.83	44.6	45.5	45.5	0.66	2.0	1.9	2.1	4.0	52	11
ME71MB-6	0.25	0.37	860	1.07	1.02	0.98	51.1	52.1	52.1	0.68	2.78	1.9	2.1	4.0	52	13
ME80MA-6	0.37	0.5	900	1.35	1.28	1.23	58.5	59.7	59.7	0.70	3.93	1.9	2.0	4.7	54	15.5
ME80MB-6	0.55	0.75	900	1.76	1.68	1.62	64.5	65.8	65.8	0.72	5.84	1.9	2.1	4.7	54	16.5
ME90S-6	0.75	1	910	2.26	2.15	2.07	68.6	70.0	70.0	0.72	7.87	2.0	2.1	5.5	57	20
ME90L-6	1.1	1.5	910	3.14	2.98	2.88	71.4	72.9	72.9	0.73	11.5	2.0	2.1	5.5	57	24
ME100L-6	1.5	2	930	4.04	3.84	3.7	73.7	75.2	75.2	0.75	15.4	2.0	2.1	5.5	61	29
ME112M-6	2.2	3	940	5.66	5.38	5.18	76.1	77.7	77.7	0.76	22.4	2.0	2.1	6.5	65	37
ME132S-6	3	4	960	7.52	7.15	6.89	78.1	79.7	79.7	0.76	29.9	2.1	2.1	6.5	69	53
ME132MA-6	4	5.5	960	9.82	9.33	9	79.8	81.4	81.4	0.76	39.8	2.1	2.1	6.5	69	64
ME132MB-6	5.5	7.5	960	13.1	12.4	12.0	81.4	83.1	83.1	0.77	54.7	2.1	2.1	6.5	69	72
ME160M-6	7.5	10	970	17.5	16.6	16.0	83.0	84.7	84.7	0.77	73.9	2.0	2.1	6.5	73	97
ME160L-6	11	15	970	24.8	23.6	22.7	84.7	86.4	86.4	0.78	108.3	2.0	2.1	6.5	73	126
ME180L-6	15	20	970	32.1	30.5	29.4	85.9	87.7	87.7	0.81	147.7	2.0	2.1	7.0	73	166
ME200LA-6	18.5	25	975	39.2	37.2	35.9	86.8	88.6	88.6	0.81	181.2	2.1	2.1	7.0	76	205
ME200LB-6	22	30	975	45.2	42.9	41.3	87.4	89.2	89.2	0.83	215.5	2.1	2.1	7.0	76	220
ME225M-6	30	40	980	60.2	57.2	55.1	88.4	90.2	90.2	0.84	292.3	2.0	2.1	7.0	76	290
ME250M-6	37	50	980	72.0	68.4	65.9	89.0	90.8	90.8	0.86	360.5	2.1	2.1	7.0	78	370
ME280S-6	45	60	980	87.0	82.6	79.7	89.6	91.4	91.4	0.86	438.5	2.1	2.0	7.0	80	490
ME280M-6	55	75	980	105.7	100.4	96.8	90.1	91.9	91.9	0.86	535.9	2.1	2.0	7.0	80	540
ME315S-6	75	100	985	143.1	135.9	131.0	90.7	92.6	92.6	0.86	727.1	2.0	2.0	7.0	85	850
ME315M-6	90	120	985	171.2	162.6	156.7	91.0	92.9	92.9	0.86	872.5	2.0	2.0	7.0	85	960
ME315LA-6	110	150	985	208.3	197.9	190.7	91.4	93.3	93.3	0.86	1066.4	2.0	2.0	6.7	85	1060
ME315LB-6	132	180	985	246.6	234.2	225.8	91.6	93.5	93.5	0.87	1279.7	2.0	2.0	6.7	85	1120
ME355MA-6	160	220	990	294.5	279.8	269.7	91.9	93.8	93.8	0.88	1543.3	1.9	2.0	6.7	92	1680
ME355MB-6	185	250	990	340.5	323.5	311.8	91.9	93.8	93.8	0.88	1784.5	1.9	2.0	6.7	92	1750
ME355MC-6	200	270	990	367.4	349.0	336.4	92.1	94.0	94.0	0.88	1929.1	1.9	2.0	6.7	92	1780
ME355LA-6	220	300	990	404.1	383.9	370.0	92.1	94.0	94.0	0.88	2122.2	1.9	2.0	6.7	92	1910
ME355LB-6	250	340	990	459.2	436.2	420.5	92.1	94.0	94.0	0.88	2411.4	1.9	2.0	6.7	92	1950
ME400LA-6	315	430	990	578.6	549.6	529.8	92.1	94.0	94.0	0.88	3038.6	1.6	1.9	6.2	96	2850

TECHNICAL DATA IE1 MOTOR - 8 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME80MA-8	0.18	0.25	650	1.18	1.12	1.08	37.2	38.0	38.0	0.61	2.6	1.8	1.9	3.3	52	15.5
ME80MB-8	0.25	0.37	650	1.43	1.36	1.31	42.5	43.4	43.4	0.61	3.67	1.8	1.9	3.3	52	16.5
ME90S-8	0.37	0.5	660	1.85	1.76	1.7	48.7	49.7	49.7	0.61	5.35	1.8	1.9	4.0	56	20
ME90L-8	0.55	0.75	660	2.44	2.32	2.24	55	56.1	56.1	0.61	7.96	1.8	2.0	4.0	56	24
ME100LA-8	0.75	1	690	2.78	2.64	2.54	60.0	61.2	61.2	0.67	10.4	1.8	2.0	4.0	59	30
ME100LB-8	1.1	1.5	690	3.64	3.46	3.34	65.2	66.5	66.5	0.69	15.2	1.8	2.0	5.0	59	32
ME112M-8	1.5	2	700	4.71	4.47	4.31	68.8	70.2	70.2	0.69	20.5	1.8	2.0	5.0	61	40
ME132S-8	2.2	3	710	6.34	6.03	5.81	72.7	74.2	74.2	0.71	29.6	1.8	2.0	6.0	64	52
ME132M-8	3	4	710	8.11	7.7	7.43	75.5	77.0	77.0	0.73	40.4	1.8	2.0	6.0	64	63
ME160MA-8	4	5.5	720	10.5	9.99	9.6	77.6	79.2	79.2	0.73	53.1	1.9	2.0	6.0	68	90
ME160MB-8	5.5	7.5	720	13.9	13.2	12.7	79.8	81.4	81.4	0.74	73.0	2.0	2.0	6.0	68	100
ME160L-8	7.5	10	720	18.3	17.4	16.7	81.4	83.1	83.1	0.75	99.5	2.0	2.0	6.0	68	124
ME180L-8	11	15	730	25.9	24.6	23.7	83.3	85.0	85.0	0.76	143.9	2.0	2.0	6.6	70	160
ME200L-8	15	20	730	34.8	33.0	31.9	84.5	86.2	86.2	0.76	196.2	2.0	2.0	6.6	73	212
ME225S-8	18.5	25	730	42.6	40.4	39.0	85.2	86.9	86.9	0.76	242.0	1.9	2.0	6.6	73	255
ME225M-8	22	30	730	49.0	46.6	44.9	85.7	87.4	87.4	0.78	287.8	1.9	2.0	6.6	73	285
ME250M-8	30	40	735	65.3	62.1	59.8	86.5	88.3	88.3	0.79	389.8	1.9	2.0	6.6	75	370
ME280S-8	37	50	735	80.1	76.1	73.4	87.0	88.8	88.8	0.79	480.7	1.9	2.0	6.6	76	485
ME280M-8	45	60	735	97.0	92.2	88	87.4	89.2	89.2	0.79	584.7	1.9	2.0	6.6	76	540
ME315S-8	55	75	735	115.0	109.3	105.3	87.9	89.7	89.7	0.81	714.6	1.8	2.0	6.6	82	820
ME315M-8	75	100	735	155.8	148	142.7	88.5	90.3	90.3	0.81	974.5	1.8	2.0	6.6	82	970
ME315LA-8	90	120	740	183.9	174.7	168.4	88.9	90.7	90.7	0.82	1161.5	1.8	2.0	6.6	82	1050
ME315LB-8	110	150	740	223.7	212.5	204.9	89.3	91.1	91.1	0.82	1419.6	1.8	2.0	6.4	82	1130
ME355MA-8	132	180	740	267.3	253.9	244.8	89.7	91.5	91.5	0.82	1703.5	1.8	2.0	6.4	90	1720
ME355MB-8	160	220	740	322.6	306.5	295.4	90.1	91.9	91.9	0.82	2064.9	1.8	2.0	6.4	90	1800
ME355LB-8	200	270	740	395.8	376.0	362.4	90.7	92.5	92.5	0.83	2581.1	1.8	2.0	6.4	90	1950
ME400LA-8	250	340	740	494.8	470.0	453.0	90.7	92.5	92.5	0.83	3226.4	1.6	1.8	6.0	95	2850
ME400LC-8	315	430	740	623.4	592.2	570.8	90.7	92.5	92.5	0.83	4065.2	1.6	1.8	6.0	98	3200

TECHNICAL DATA IE1 MOTOR - 10 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME315S-10	45	60	590	99.6	94.7	91.2	89.7	91.5	91.5	0.75	728.4	1.5	2.0	6.2	82	830
ME315M-10	55	75	590	121.1	115.1	110.9	90.1	92.0	92.0	0.75	890.3	1.5	2.0	6.2	82	940
ME315LA-10	75	100	590	162.1	154.0	148.4	90.5	92.5	92.5	0.76	1214.0	1.5	2.0	6.2	82	1070
ME315LB-10	90	120	590	191.0	181.4	174.9	91.0	93.0	93.0	0.77	1456.8	1.5	2.0	6.2	82	1150
ME355MA-10	110	150	590	229.9	218.4	210.5	91.2	93.2	93.2	0.78	1780.5	1.3	2.0	6.0	90	1660
ME355MB-10	132	180	590	275.0	261.3	251.8	91.5	93.5	93.5	0.78	2136.6	1.3	2.0	6.0	90	1780
ME355LA-10	160	220	590	333.3	316.7	305.2	91.5	93.5	93.5	0.78	2589.8	1.3	2.0	6.0	90	1950
ME400LA-10	200	270	595	415.3	394.6	380.3	91.5	93.8	93.8	0.78	3210.1	1.2	1.6	5.5	93	2820
ME400LB-10	250	340	595	519.2	493.2	475.4	91.5	93.8	93.8	0.78	4012.6	1.2	1.6	5.5	93	2950
ME400LC-10	280	380	595	581.5	552.4	532.4	91.5	93.8	93.8	0.78	4494.1	1.2	1.6	5.5	97	3100
ME400LD-10	315	430	595	654.2	621.4	599.0	91.5	93.8	93.8	0.78	5055.9	1.2	1.6	5.5	97	3350
ME400LE-10	355	480	595	737.2	700.4	675.0	91.5	93.8	93.8	0.78	5697.9	1.2	1.6	5.5	97	3600
ME450LB-10	400	550	595	830.7	789.1	760.6	91.5	93.8	93.8	0.78	6420.2	1.2	1.6	5.5	97	3800
ME450LC-10	450	600	595	934.5	887.8	855.7	91.5	93.8	93.8	0.78	7222.7	1.2	1.6	5.5	97	4050
ME450LD-10	500	680	595	1038.3	986.4	950.8	91.5	93.8	93.8	0.78	8025.2	1.2	1.6	5.5	97	4300

TECHNICAL DATA IE2 MOTOR - 2 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME2-63MA-2	0.18	0.25	2780	0.57	0.54	0.52	59.2	60.4	60.4	0.80	0.62	2.2	2.3	5.0	61	9
ME2-63MB-2	0.25	0.37	2780	0.72	0.69	0.66	63.5	64.8	64.8	0.81	0.86	2.2	2.3	5.0	61	10
ME2-71MA-2	0.37	0.5	2800	1.00	0.95	0.91	68.1	69.5	69.5	0.81	1.26	2.2	2.3	5.5	62	12
ME2-71MB-2	0.55	0.75	2800	1.36	1.29	1.24	72.6	74.1	74.1	0.82	1.88	2.2	2.3	5.5	62	13
ME2-80MA-2	0.75	1	2825	1.77	1.69	1.62	75.9	77.4	77.4	0.82	2.54	2.3	2.3	6.8	62	15
ME2-80MB-2	1.1	1.5	2825	2.50	2.37	2.29	78.0	79.6	79.6	0.83	3.72	2.3	2.3	7.1	62	16.5
ME2-90S-2	1.5	2	2840	3.34	3.17	3.06	79.7	81.3	81.3	0.84	5.04	2.3	2.3	7.3	67	20
ME2-90L-2	2.2	3	2840	4.73	4.49	4.33	81.5	83.2	83.2	0.85	7.40	2.3	2.3	7.6	67	24
ME2-100L-2	3	4	2870	6.19	5.88	5.67	82.9	84.6	84.6	0.87	9.98	2.2	2.3	7.8	74	31
ME2-112M-2	4	5.5	2880	8.05	7.65	7.37	84.1	85.8	85.8	0.88	13.3	2.2	2.3	8.1	77	38
ME2-132SA-2	5.5	7.5	2900	10.9	10.4	10.0	85.3	87.0	87.0	0.88	18.1	2.2	2.3	8.2	79	58
ME2-132SB-2	7.5	10	2900	14.7	14.0	13.5	86.3	88.1	88.1	0.89	24.7	2.2	2.3	7.8	79	62
ME2-160MA-2	11	15	2930	21.0	20.0	19.2	87.6	89.4	89.4	0.89	35.9	2.2	2.3	7.9	81	103
ME2-160MB-2	15	20	2930	28.4	26.9	26.0	88.5	90.3	90.3	0.89	48.9	2.2	2.3	7.9	81	112
ME2-160LB-2	18.5	25	2930	34.4	32.6	31.5	89.1	90.9	90.9	0.89	60.3	2.2	2.3	8.0	81	135
ME2-180MB-2	22	30	2940	40.7	38.6	37.2	89.5	91.3	91.3	0.89	71.5	2.2	2.3	8.1	83	165
ME2-200LA-2	30	40	2950	55.1	52.3	50.4	90.2	92.0	92.0	0.89	97.1	2.0	2.3	7.5	84	215
ME2-200LB-2	37	50	2950	67.5	64.2	61.8	90.7	92.5	92.5	0.89	119.8	2.0	2.3	7.5	84	232
ME2-225M-2	45	60	2960	81.8	77.7	74.9	91.0	92.9	92.9	0.89	145.2	2.2	2.3	7.5	86	285
ME2-250M-2	55	75	2965	99.6	94.6	91.2	91.3	93.2	93.2	0.89	177.2	2.2	2.3	7.6	89	375
ME2-280S-2	75	100	2970	135.0	128.2	123.6	91.9	93.8	93.8	0.89	241.2	1.8	2.3	6.9	91	500
ME2-280M-2	90	120	2970	159.7	151.7	146.2	92.2	94.1	94.1	0.89	289.4	1.8	2.3	6.9	91	550
ME2-315S-2	110	150	2975	194.8	185.0	178.3	92.4	94.3	94.3	0.90	353.1	1.8	2.2	7.0	92	860
ME2-315M-2	132	180	2975	233.0	221.3	213.3	92.7	94.6	94.6	0.90	423.7	1.8	2.2	7.0	92	960
ME2-315LA-2	160	220	2975	278.7	264.8	255.2	92.9	94.8	94.8	0.91	513.6	1.8	2.2	7.1	92	1020
ME2-315LC-2	200	270	2975	347.7	330.3	318.4	93.1	95.0	95.0	0.91	642.0	1.8	2.2	7.1	92	1080
ME2-355MB-2	250	340	2980	434.6	412.9	398.0	93.1	95.0	95.0	0.91	801.2	1.6	2.2	7.1	104	1700
ME2-355LB-2	315	430	2980	547.6	520.2	501.4	93.1	95.0	95.0	0.91	1009.5	1.6	2.2	7.2	104	1850

TECHNICAL DATA IE2 MOTOR - 4 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME2-63MB-4	0.18	0.25	1350	0.58	0.55	0.53	63.4	64.7	64.7	0.73	1.3	2.0	2.2	4.0	52	9
ME2-71MA-4	0.25	0.37	1380	0.75	0.71	0.69	67.1	68.5	68.5	0.74	1.7	2.0	2.2	4.0	55	10
ME2-71MB-4	0.37	0.5	1380	1.03	0.98	0.94	71.2	72.7	72.7	0.75	2.6	2.0	2.2	4.0	55	12
ME2-80MA-4	0.55	0.75	1390	1.45	1.37	1.32	75.6	77.1	77.1	0.75	3.8	2.4	2.3	5.2	58	14.5
ME2-80MB-4	0.75	1	1390	1.88	1.79	1.72	78.0	79.6	79.6	0.76	5.2	2.3	2.3	6.4	58	15
ME2-90S-4	1.1	1.5	1400	2.67	2.53	2.44	79.8	81.4	81.4	0.77	7.5	2.3	2.3	6.6	61	19
ME2-90L-4	1.5	2	1400	3.48	3.31	3.19	81.1	82.8	82.8	0.78	10.2	2.3	2.3	6.7	61	23
ME2-100LA-4	2.2	3	1420	4.90	4.65	4.48	82.6	84.3	84.3	0.80	14.8	2.3	2.3	7.3	64	30
ME2-100LB-4	3	4	1420	6.50	6.18	5.95	83.8	85.5	85.5	0.81	20.2	2.2	2.3	7.5	64	33
ME2-112M-4	4	5.5	1440	8.56	8.13	7.84	84.9	86.6	86.6	0.81	26.5	2.2	2.3	7.5	65	43
ME2-132S-4	5.5	7.5	1440	11.5	10.9	10.5	85.9	87.7	87.7	0.82	36.5	2.2	2.3	7.5	71	60
ME2-132M-4	7.5	10	1440	15.3	14.5	14.0	86.9	88.7	88.7	0.83	49.7	2.2	2.3	7.3	71	69
ME2-160M-4	11	15	1460	22.2	21.0	20.3	88.0	89.8	89.8	0.83	72.0	2.2	2.3	7.4	75	107
ME2-160L-4	15	20	1460	29.6	28.1	27.1	88.8	90.6	90.6	0.84	98.1	2.2	2.3	7.5	75	130
ME2-180M-4	18.5	25	1465	35.8	34.0	32.8	89.4	91.2	91.2	0.85	120.6	2.2	2.3	7.6	76	162
ME2-180L-4	22	30	1465	42.4	40.3	38.9	89.8	91.6	91.6	0.85	143.4	2.2	2.3	7.7	76	175
ME2-200L-4	30	40	1470	57.4	54.6	52.6	90.5	92.3	92.3	0.85	194.9	2.0	2.3	7.1	79	227
ME2-225S-4	37	50	1475	69.7	66.2	63.8	90.8	92.7	92.7	0.86	239.6	2.0	2.3	7.3	81	282
ME2-225M-4	45	60	1475	84.4	80.2	77.3	81.2	93.1	93.1	0.86	291.4	2.2	2.3	7.3	81	315
ME2-250M-4	55	75	1475	102.7	97.6	94.1	91.6	93.5	93.5	0.86	356.1	2.2	2.3	7.3	83	390
ME2-280S-4	75	100	1480	139.3	132.4	127.6	92.1	94.0	94.0	0.87	484.0	1.8	2.3	6.8	86	525
ME2-280M-4	90	120	1480	166.9	158.5	152.8	92.3	94.2	94.2	0.88	580.7	1.8	2.3	6.9	86	590
ME2-315S-4	110	150	1480	201.0	190.9	184.0	92.6	94.5	94.5	0.89	709.8	1.8	2.2	6.9	93	900
ME2-315M-4	132	180	1480	240.7	228.6	220.4	92.8	94.7	94.7	0.89	851.8	1.8	2.2	6.9	93	1000
ME2-315LA-4	160	220	1480	287.8	273.4	263.6	93.0	94.9	94.9	0.89	1032.4	1.8	2.2	6.9	97	1070
ME2-315LC-4	200	270	1480	359.0	341.1	328.7	93.2	95.1	95.1	0.90	1290.5	1.8	2.2	6.9	97	1140
ME2-355MB-4	250	340	1490	443.8	421.6	406.4	93.2	95.1	95.1	0.90	1602.3	1.6	2.2	6.9	101	1760
ME2-355LB-4	315	430	1490	559.2	531.2	512.0	93.2	95.1	95.1	0.90	2019.0	1.6	2.2	6.9	101	1920

TECHNICAL DATA IE2 MOTOR - 6 POLES - 50HZ

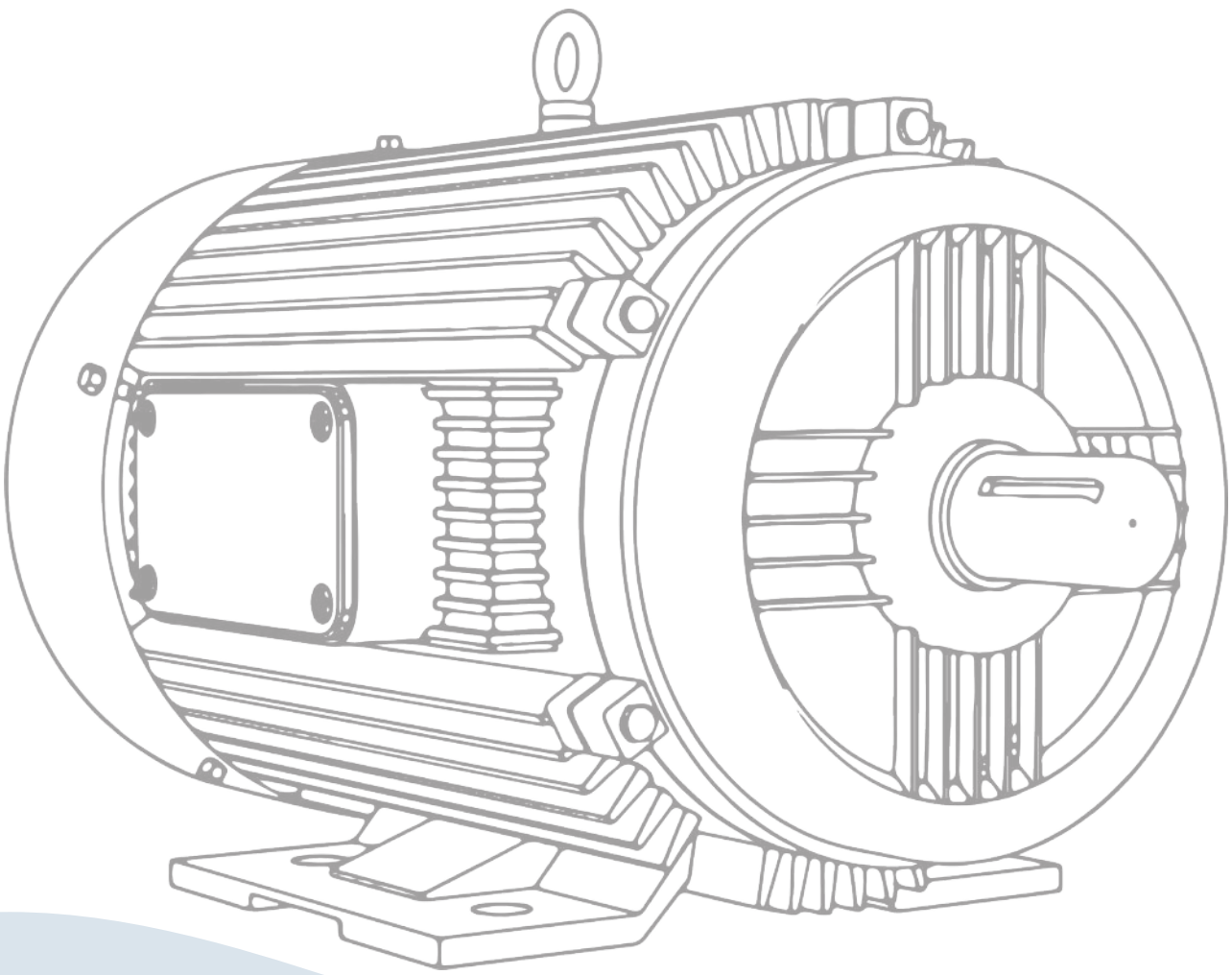
Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME2-71MA-6	0.18	0.25	860	0.73	0.70	0.67	55.5	56.6	56.6	0.66	2.00	1.9	2.1	4.0	52	11
ME2-71MB-6	0.25	0.37	860	0.91	0.90	0.83	60.4	61.6	61.6	0.68	2.78	1.9	2.1	4.0	52	13
ME2-80MA-6	0.37	0.5	900	1.19	1.13	1.09	66.2	67.6	67.6	0.70	3.93	1.9	2.0	4.7	54	15.5
ME2-80MB-6	0.55	0.75	900	1.59	1.51	1.45	71.6	73.1	73.1	0.72	5.84	1.9	2.1	4.7	54	16.5
ME2-90S-6	0.75	1	910	2.09	1.98	1.91	74.4	75.9	75.9	0.71	7.87	2.0	2.1	5.8	57	20
ME2-90L-6	1.1	1.5	910	2.93	2.78	2.68	76.5	78.1	78.1	0.72	11.5	2.0	2.1	5.9	57	24
ME2-100L-6	1.5	2	930	3.81	3.62	3.49	78.2	79.8	79.8	0.72	15.4	2.0	2.1	5.9	61	29
ME2-112M-6	2.2	3	940	5.38	5.11	4.92	80.2	81.8	81.8	0.72	22.4	2.0	2.1	6.2	65	37
ME2-132S-6	3	4	960	7.20	6.84	6.59	81.6	83.3	83.3	0.72	29.9	2.0	2.1	6.4	69	53
ME2-132MA-6	4	5.5	960	9.45	8.98	8.66	82.9	84.6	84.6	0.74	39.8	2.0	2.1	6.6	69	64
ME2-132MB-6	5.5	7.5	960	12.6	12.0	11.6	84.3	86.0	86.0	0.75	54.7	2.0	2.1	6.8	69	72
ME2-160M-6	7.5	10	970	17.0	16.1	15.5	85.5	87.2	87.2	0.78	73.9	2.0	2.1	6.8	73	97
ME2-160L-6	11	15	970	24.2	22.9	22.1	86.9	88.7	88.7	0.79	108.3	2.0	2.1	6.9	73	126
ME2-180L-6	15	20	970	31.4	29.8	28.7	87.9	89.7	89.7	0.82	147.7	2.0	2.1	7.3	73	166
ME2-200LA-6	18.5	25	975	38.4	36.5	35.1	88.6	90.4	90.4	0.80	181.2	2.0	2.1	7.2	73	205
ME2-200LB-6	22	30	975	44.3	42.1	40.6	89.1	90.9	90.9	0.81	215.5	2.0	2.1	7.3	73	220
ME2-225M-6	30	40	980	59.2	56.2	54.2	89.9	91.7	91.7	0.82	292.3	2.0	2.1	6.8	74	290
ME2-250M-6	37	50	980	70.9	67.4	64.9	90.4	92.2	92.2	0.83	360.5	2.0	2.1	7.0	76	370
ME2-280S-6	45	60	980	85.8	81.5	78.5	90.8	92.7	92.7	0.85	438.5	2.0	2.0	7.2	78	490
ME2-280M-6	55	75	980	104.4	99.2	95.6	91.2	93.1	93.1	0.86	535.9	2.0	2.0	7.2	78	540
ME2-315S-6	75	100	985	141.4	134.3	129.5	91.8	93.7	93.7	0.84	727.1	2.0	2.0	6.5	83	850
ME2-315M-6	90	120	985	169.2	160.7	154.9	92.1	94.0	94.0	0.85	872.5	2.0	2.0	6.6	83	960
ME2-315LA-6	110	150	985	206.1	195.8	188.7	92.4	94.3	94.3	0.85	1066.4	2.0	2.0	6.6	83	1060
ME2-315LB-6	132	180	985	243.7	231.5	223.1	92.7	94.6	94.6	0.86	1279.7	2.0	2.0	6.6	83	1120
ME2-355MA-6	160	220	990	291.4	276.8	266.8	92.9	94.8	94.8	0.86	1543.3	2.0	2.0	6.7	85	1680
ME2-355MC-6	200	270	990	363.5	345.3	332.8	93.1	95.0	95.0	0.86	1929.1	2.0	2.0	6.8	85	1780
ME2-355LB-6	250	340	990	454.4	431.6	416.0	93.1	95.0	95.0	0.86	2411.4	2.0	2.0	6.8	85	1950
ME2-400LA-6	315	430	990	572.5	543.9	524.2	93.1	95.0	95.0	0.86	3038.6	2.0	2.0	6.8	96	2850

TECHNICAL DATA IE2 MOTOR - 8 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME2-80MA-8	0.18	0.25	650	0.98	0.93	0.89	45.0	45.9	45.9	0.61	2.64	1.8	1.9	3.3	52	15.5
ME2-80MB-8	0.25	0.37	650	1.23	1.17	1.13	49.6	50.6	50.6	0.61	3.67	1.8	1.9	3.3	52	16.5
ME2-90S-8	0.37	0.5	660	1.64	1.56	1.50	55.0	56.1	56.1	0.61	5.35	1.8	1.9	4.0	56	20
ME2-90L-8	0.55	0.75	660	2.22	2.11	2.03	60.5	61.7	61.7	0.61	7.96	1.8	2.0	4.0	56	24
ME2-100LA-8	0.75	1	690	2.57	2.44	2.35	64.9	66.2	66.2	0.67	10.4	1.8	2.0	4.0	59	30
ME2-100LB-8	1.1	1.5	690	3.42	3.25	3.13	69.4	70.8	70.8	0.69	15.2	1.8	2.0	5.0	59	32
ME2-112M-8	1.5	2	700	4.46	4.23	4.08	72.6	74.1	74.1	0.69	20.5	1.8	2.0	5.0	61	40
ME2-132S-8	2.2	3	710	6.07	5.76	5.56	76.0	77.6	77.6	0.71	29.6	1.8	2.0	6.0	64	52
ME2-132M-8	3	4	710	7.81	7.41	7.15	78.4	80.0	80.0	0.73	40.4	1.8	2.0	6.0	64	63
ME2-160MA-8	4	5.5	720	10.20	9.66	9.31	80.3	81.9	81.9	0.73	53.1	1.9	2.0	6.0	68	90
ME2-160MB-8	5.5	7.5	720	13.50	12.8	12.3	82.1	83.8	83.8	0.74	73.0	2.0	2.0	6.0	68	100
ME2-160L-8	7.5	10	720	17.80	16.9	16.3	83.6	85.3	85.3	0.75	99.5	2.0	2.0	6.0	68	124
ME2-180L-8	11	15	730	25.30	24.0	23.2	85.2	86.9	86.9	0.76	143.9	2.0	2.0	6.6	70	160
ME2-200L-8	15	20	730	34.10	32.4	31.2	86.2	88.0	88.0	0.76	196.2	2.0	2.0	6.6	73	212
ME2-225S-8	18.5	25	730	41.70	39.7	38.2	86.8	88.6	88.6	0.76	242.0	1.9	2.0	6.6	73	255
ME2-225M-8	22	30	730	48.10	45.7	44.0	87.3	89.1	89.1	0.78	287.8	1.9	2.0	6.6	73	285
ME2-250M-8	30	40	735	64.30	61.0	58.8	88.0	89.8	89.8	0.79	389.8	1.9	2.0	6.6	75	370
ME2-280S-8	37	50	735	78.80	74.9	72.2	88.5	90.3	90.3	0.79	480.7	1.9	2.0	6.6	76	485
ME2-280M-8	45	60	735	95.40	90.7	87.4	88.9	90.7	90.7	0.79	584.7	1.9	2.0	6.6	76	540
ME2-315S-8	55	75	735	113.40	107.7	103.8	89.2	91.0	91.0	0.81	714.6	1.8	2.0	6.6	82	820
ME2-315M-8	75	100	735	153.60	145.9	140.6	89.8	91.6	91.6	0.81	974.5	1.8	2.0	6.6	82	970
ME2-315LA-8	90	120	740	181.50	172.4	166.2	90.1	91.9	91.9	0.82	1161.5	1.8	2.0	6.6	82	1050
ME2-315LB-8	110	150	740	220.80	209.8	202.2	90.5	92.3	92.3	0.82	1419.6	1.8	2.0	6.4	82	1130
ME2-355MA-8	132	180	740	264.10	250.9	241.9	90.7	92.6	92.6	0.82	1703.5	1.8	2.0	6.4	90	1720
ME2-355MB-8	160	220	740	318.80	302.8	291.9	91.1	93.0	93.0	0.82	2064.9	1.8	2.0	6.4	90	1800
ME2-355LB-8	200	270	740	391.60	372.0	358.5	91.6	93.5	93.5	0.83	2581.1	1.8	2.0	6.4	90	1950
ME2-400LA-8	250	340	740	489.50	465.0	448.2	91.6	93.5	93.5	0.80	3226.4	1.6	2.5	6.0	95	2850
ME2-400LC-8	315	430	740	616.70	585.9	564.7	91.6	93.5	93.5	0.80	4065.2	1.6	2.5	6.0	98	3200

TECHNICAL DATA IE2 MOTOR - 10 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME2-3155-10	45	60	590	99.6	94.7	91.2	89.7	91.5	91.5	0.75	728.4	1.5	2.0	6.2	82	830
ME2-315M-10	55	75	590	121.1	115.1	110.9	89.9	92.0	92.0	0.75	890.3	1.5	2.0	6.2	82	940
ME2-315LA-10	75	100	590	162.1	154.0	148.4	90.5	92.5	92.5	0.76	1214.0	1.5	2.0	6.2	82	1070
ME2-315LB-10	90	120	590	191.0	181.4	174.9	91.1	93.0	93.0	0.77	1456.8	1.5	2.0	6.2	82	1150
ME2-355MA-10	110	150	590	229.9	218.4	210.5	91.4	93.2	93.2	0.77	1780.5	1.3	2.0	6.0	90	1660
ME2-355MB-10	132	180	590	275.0	261.3	251.8	91.6	93.5	93.5	0.77	2136.6	1.3	2.0	6.0	90	1780
ME2-355LA-10	160	220	590	333.3	316.7	305.2	91.6	93.5	93.5	0.77	2589.8	1.3	2.0	6.0	90	1950
ME2-400LA-10	200	270	595	415.3	394.6	380.3	91.8	93.8	93.8	0.74	3210.1	1.4	1.6	6.0	93	2820
ME2-400LB-10	250	340	595	519.2	493.2	475.4	91.8	93.8	93.8	0.74	4012.6	1.4	1.6	6.0	93	2950
ME2-400LC-10	280	380	595	581.5	552.4	532.4	91.8	93.8	93.8	0.77	4494.1	1.4	1.6	6.0	97	3100
ME2-400LD-10	315	430	595	654.2	621.4	599.0	91.8	93.8	93.8	0.77	5055.9	1.4	1.6	6.0	97	3350
ME2-400LE-10	355	480	595	737.2	700.4	675.0	91.8	93.8	93.8	0.77	5697.9	1.3	1.6	6.0	97	3600
ME2-450LB-10	400	550	595	830.7	789.1	760.6	91.8	93.8	93.8	0.77	6420.2	1.3	1.6	6.0	97	3800
ME2-450LC-10	450	600	595	934.5	887.8	855.7	91.8	93.8	93.8	0.77	7222.7	1.3	1.6	6.0	97	4050
ME2-450LD-10	500	680	595	1038.3	986.4	950.8	91.8	93.8	93.8	0.77	8025.2	1.3	1.6	6.0	97	4300



TECHNICAL DATA IE3 MOTOR - 2 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME3-63MA-2	0.18	0.25	2780	0.52	0.49	0.48	64.6	65.9	65.9	0.80	0.62	2.2	2.3	5.0	61	9
ME3-63MB-2	0.25	0.37	2780	0.67	0.64	0.62	68.3	69.7	69.7	0.81	0.86	2.2	2.3	5.0	61	10
ME3-71MA-2	0.37	0.5	2800	0.94	0.89	0.86	72.3	73.8	73.8	0.81	1.26	2.2	2.3	5.5	62	12
ME3-71MB-2	0.55	0.75	2800	1.29	1.23	1.18	76.2	77.8	77.8	0.83	1.88	2.2	2.3	5.5	62	13
ME3-80MA-2	0.75	1	2825	1.70	1.62	1.56	79.1	80.7	80.7	0.82	2.54	2.3	2.3	7.0	62	15
ME3-80MB-2	1.1	1.5	2825	2.41	2.29	2.20	81.0	82.7	82.7	0.83	3.72	2.2	2.3	7.3	62	16.5
ME3-90S-2	1.5	2	2840	3.22	3.06	2.95	82.5	84.2	84.2	0.84	5.04	2.2	2.3	7.6	67	20
ME3-90L-2	2.2	3	2840	4.58	4.35	4.19	84.2	85.9	85.9	0.85	7.40	2.2	2.3	7.6	67	24
ME3-100L-2	3	4	2870	6.02	5.71	5.51	85.4	87.1	87.1	0.87	9.98	2.2	2.3	7.8	74	31
ME3-112M-2	4	5.5	2880	7.84	7.45	7.18	86.3	88.1	88.1	0.88	13.3	2.2	2.3	8.3	77	38
ME3-132SA-2	5.5	7.5	2900	10.6	10.1	9.70	87.4	89.2	89.2	0.88	18.1	2.0	2.3	8.3	79	58
ME3-132SB-2	7.5	10	2900	14.4	13.7	13.2	88.3	90.1	90.1	0.88	24.7	2.0	2.3	7.9	79	62
ME3-160MA-2	11	15	2930	20.6	19.6	18.9	89.4	91.2	91.2	0.89	35.9	2.0	2.3	8.1	81	103
ME3-160MB-2	15	20	2930	27.9	26.5	25.5	90.1	91.9	91.9	0.89	48.9	2.0	2.3	8.1	81	112
ME3-160L-2	18.5	25	2930	34.2	32.5	31.3	90.6	92.4	92.4	0.89	60.3	2.0	2.3	8.2	81	135
ME3-180M-2	22	30	2940	40.5	38.5	37.1	90.8	92.7	92.7	0.89	71.5	2.0	2.3	8.2	83	165
ME3-200LA-2	30	40	2950	54.9	52.1	50.3	91.4	93.3	93.3	0.89	97.1	2.0	2.3	7.6	84	215
ME3-200LB-2	37	50	2950	67.4	64.0	61.7	91.8	93.7	93.7	0.89	119.8	2.0	2.3	7.6	84	232
ME3-225M-2	45	60	2960	80.8	76.8	74.0	92.1	94.0	94.0	0.90	145.2	2.0	2.3	7.7	86	285
ME3-250M-2	55	75	2965	98.5	93.5	90.2	92.4	94.3	94.3	0.90	177.2	2.0	2.3	7.7	89	375
ME3-280S-2	75	100	2970	133.7	127.0	122.4	92.8	94.7	94.7	0.90	241.2	1.8	2.3	7.1	91	500
ME3-280M-2	90	120	2970	159.9	151.9	146.4	93.1	95.0	95.0	0.90	289.4	1.8	2.3	7.1	91	550
ME3-315S-2	110	150	2975	195.1	185.3	178.6	93.3	95.2	95.2	0.90	353.1	1.8	2.3	7.1	92	860
ME3-315M-2	132	180	2975	233.6	221.9	213.9	93.5	95.4	95.4	0.90	423.7	1.8	2.3	7.1	92	960
ME3-315LA-2	160	220	2975	279.4	265.5	255.9	93.7	95.6	95.6	0.91	513.6	1.8	2.3	7.2	92	1020
ME3-315LC-2	200	270	2975	348.6	331.1	19.2	93.9	95.8	95.8	0.91	642.0	1.8	2.2	7.2	92	1080
ME3-355MB-2	250	340	2980	435.7	413.9	399.0	93.9	95.8	95.8	0.91	801.2	1.6	2.2	7.2	100	1700
ME3-355LB-2	315	430	2980	549.0	521.5	502.7	93.9	95.8	95.8	0.91	1009.5	1.6	2.2	7.2	100	1850

TECHNICAL DATA IE3 MOTOR - 4 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME3-63MB-4	0.18	0.25	1350	0.54	0.51	0.49	68.5	69.9	69.9	0.73	1.27	2.0	2.2	4.0	52	9
ME3-71MA-4	0.25	0.37	1380	0.70	0.66	0.64	72.0	73.5	73.5	0.74	1.73	2.0	2.2	4.0	55	10
ME3-71MB-4	0.37	0.5	1380	0.97	0.92	0.89	75.8	77.3	77.3	0.75	2.56	2.0	2.2	4.0	55	12
ME3-80MA-4	0.55	0.75	1390	1.38	1.31	1.26	79.2	80.8	80.8	0.75	3.78	2.4	2.3	5.2	56	14.5
ME3-80MB-4	0.75	1	1390	1.84	1.75	1.69	80.9	82.5	82.5	0.75	5.15	2.3	2.3	6.6	56	15
ME3-90S-4	1.1	1.5	1400	2.61	2.48	2.39	82.4	84.1	84.1	0.76	7.50	2.3	2.3	6.8	59	19
ME3-90L-4	1.5	2	1400	3.47	3.30	3.18	83.6	85.3	85.3	0.77	10.2	2.3	2.3	7.0	59	23
ME3-100LA-4	2.2	3	1420	4.76	4.52	4.36	85.0	86.7	86.7	0.81	14.8	2.3	2.3	7.6	64	30
ME3-100LB-4	3	4	1420	6.34	6.02	5.80	85.9	87.7	87.7	0.82	20.2	2.3	2.3	7.6	64	33
ME3-112M-4	4	5.5	1440	8.37	7.95	7.66	86.8	88.6	88.6	0.82	26.5	2.2	2.3	7.8	65	43
ME3-132S-4	5.5	7.5	1440	11.2	10.7	10.3	87.8	89.6	89.6	0.83	36.5	2.0	2.3	7.9	71	60
ME3-132M-4	7.5	10	1440	15.0	14.3	13.7	88.6	90.4	90.4	0.84	49.7	2.0	2.3	7.5	71	69
ME3-160M-4	11	15	1460	21.5	20.4	19.7	89.6	91.4	91.4	0.85	72.0	2.2	2.3	7.7	73	107
ME3-160L-4	15	20	1460	28.8	27.3	26.3	90.3	92.1	92.1	0.86	98.1	2.2	2.3	7.8	73	130
ME3-180M-4	18.5	25	1465	35.3	33.5	32.3	90.7	92.6	92.6	0.86	120.6	2.0	2.3	7.8	76	162
ME3-180L-4	22	30	1465	41.8	39.7	38.3	91.1	93.0	93.0	0.86	143.4	2.0	2.3	7.8	76	175
ME3-200L-4	30	40	1470	56.6	53.8	51.9	91.7	93.6	93.6	0.86	194.9	2.0	2.3	7.3	76	227
ME3-225S-4	37	50	1475	69.6	66.1	63.7	92.0	93.9	93.9	0.86	239.6	2.0	2.3	7.4	78	282
ME3-225M-4	45	60	1475	84.4	80.2	77.3	92.3	94.2	94.2	0.86	291.4	2.0	2.3	7.4	78	315
ME3-250M-4	55	75	1475	102.7	97.6	94.1	92.7	94.6	94.6	0.86	356.1	2.2	2.3	7.4	79	390
ME3-280S-4	75	100	1480	136.3	129.5	124.8	93.1	95.0	95.0	0.88	484.0	2.0	2.3	6.9	80	525
ME3-280M-4	90	120	1480	163.2	155.1	149.5	93.3	95.2	95.2	0.88	580.7	2.0	2.3	6.9	80	590
ME3-315S-4	110	150	1480	196.8	187.0	180.2	93.5	95.4	95.4	0.89	709.8	2.0	2.2	7.0	88	900
ME3-315M-4	132	180	1480	235.7	223.9	215.8	93.7	95.6	95.6	0.89	851.8	2.0	2.2	7.0	88	1000
ME3-315LA-4	160	220	1480	285.1	270.9	261.1	93.9	95.8	95.8	0.89	1032.4	2.0	2.2	7.1	88	1070
ME3-315LC-4	200	270	1480	3517.0	334.1	322	94.1	96.0	96.0	0.9	1290.5	2.0	2.2	7.1	88	1140
ME3-355MA-4	250	340	1490	439.6	417.7	402.6	94.1	96.0	96.0	0.9	1602.3	2.0	2.2	7.1	95	1760
ME3-355LB-4	315	430	1490	553.9	526.2	507.2	94.1	96.0	96.0	0.9	2019.0	2.0	2.2	7.1	102	1920

TECHNICAL DATA IE3 MOTOR - 6 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME3-71MA-6	0.18	0.25	860	0.65	0.62	0.59	62.6	63.9	63.9	0.66	2.00	1.9	2.1	4.0	52	11
ME3-71MB-6	0.25	0.37	860	0.81	0.77	0.75	67.2	68.6	68.6	0.68	2.80	1.9	2.1	4.0	52	13
ME3-80MA-6	0.37	0.5	900	1.09	1.04	1.00	72.0	73.5	73.5	0.70	3.90	1.9	2.0	4.7	54	15.5
ME3-80MB-6	0.55	0.75	900	1.50	1.43	1.38	75.7	77.2	77.2	0.72	5.80	1.9	2.1	4.7	54	16.5
ME3-90S-6	0.75	1	910	2.03	1.93	1.86	77.3	78.9	78.9	0.71	7.90	2.0	2.1	6.0	57	20
ME3-90L-6	1.1	1.5	910	2.91	2.76	2.66	79.4	81.0	81.0	0.73	11.5	2.0	2.1	6.0	57	24
ME3-100L-6	1.5	2	930	3.78	3.60	3.47	80.9	82.5	82.5	0.73	15.4	2.0	2.1	6.5	61	29
ME3-112M-6	2.2	3	940	5.36	5.09	4.91	82.6	84.3	84.3	0.74	22.4	2.0	2.1	6.6	65	37
ME3-132S-6	3	4	960	7.20	6.84	6.59	83.9	85.6	85.6	0.74	29.9	2.0	2.1	6.8	69	53
ME3-132MA-6	4	5.5	960	9.46	8.99	8.66	95.1	86.8	86.8	0.74	39.8	2.0	2.1	6.8	69	64
ME3-132MB-6	5.5	7.5	960	12.7	12.0	11.6	86.2	88.0	88.0	0.75	54.7	2.0	2.1	7.0	69	72
ME3-160M-6	7.5	10	970	16.2	15.4	14.8	87.3	89.1	89.1	0.79	73.9	2.0	2.1	7.0	73	97
ME3-160L-6	11	15	970	23.1	22.0	21.2	88.5	90.3	90.3	0.8	108.3	2.0	2.1	7.2	73	126
ME3-180L-6	15	20	970	30.9	29.3	28.2	89.4	91.2	91.2	0.81	147.7	2.0	2.1	7.3	73	166
ME3-200LA-6	18.5	25	975	37.8	36.0	34.7	89.9	91.7	91.7	0.81	181.2	2.0	2.1	7.3	76	205
ME3-200LB-6	22	30	975	44.8	42.5	41.0	90.4	92.2	92.2	0.81	215.5	2.0	2.1	7.4	76	220
ME3-225M-6	30	40	980	59.1	56.2	54.1	91.0	92.9	92.9	0.83	292.3	2.0	2.1	6.9	76	290
ME3-250M-6	37	50	980	71.7	68.1	65.7	91.4	93.3	93.3	0.84	360.5	2.0	2.1	7.1	78	370
ME3-280S-6	45	60	980	85.8	81.6	78.6	91.8	93.7	93.7	0.85	438.5	2.0	2.0	7.3	80	490
ME3-280M-6	55	75	980	103.3	98.1	94.6	92.2	94.1	94.1	0.86	535.9	2.0	2.0	7.3	80	540
ME3-315S-6	75	100	985	143.4	136.2	131.3	92.7	94.6	94.6	0.84	727.1	2.0	2.0	6.6	85	850
ME3-315M-6	90	120	985	169.5	161.0	155.2	93.0	94.9	94.9	0.85	872.5	2.0	2.0	6.7	85	960
ME3-315LA-6	110	150	985	206.8	196.4	189.3	93.2	95.1	95.1	0.85	1066.4	2.0	2.0	6.7	85	1060
ME3-315LB-6	132	180	985	244.5	232.2	223.8	93.5	95.4	95.4	0.86	1279.7	2.0	2.0	6.8	85	1120
ME3-355MA-6	160	220	990	295.7	280.9	270.7	93.7	95.6	95.6	0.86	1543.3	1.8	2.0	6.8	92	1680
ME3-355MC-6	200	270	990	364.6	346.4	333.8	93.9	95.8	95.8	0.87	1929.1	1.8	2.0	6.8	92	1780
ME3-355LA-6	250	340	990	455.7	433.0	417.3	93.9	95.8	95.8	0.87	2411.4	1.8	2.0	6.8	92	1950
ME3-400LA-6	315	430	990	609.3	578.8	557.9	93.9	95.8	95.8	0.86	3038.6	1.8	2.0	6.8	96	2850

TECHNICAL DATA IE3 MOTOR - 8 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME3-80MA-8	0.18	0.25	650	0.76	0.73	0.70	57.5	58.7	58.7	0.61	2.64	1.8	1.9	3.3	52	15.5
ME3-80MB-8	0.25	0.37	650	0.97	0.92	0.89	62.8	64.1	64.1	0.61	3.67	1.8	1.9	3.3	52	16.5
ME3-90S-8	0.37	0.5	660	1.33	1.26	1.22	67.9	69.3	69.3	0.61	5.35	1.8	1.9	4.0	56	20
ME3-90L-8	0.55	0.75	660	1.88	1.78	1.72	71.5	73.0	73.0	0.61	8.0	1.8	2.0	4.0	56	24
ME3-100LA-8	0.75	1	690	2.27	2.15	2.08	73.5	75.0	75.0	0.67	10.4	1.8	2.0	4.0	59	30
ME3-100LB-8	1.1	1.5	690	3.12	2.96	2.85	76.1	77.7	77.7	0.69	15.2	1.8	2.0	5.0	59	32
ME3-112M-8	1.5	2	700	4.09	3.88	3.74	78.1	79.7	79.7	70.0	200	1.8	2.0	5.0	61	40
ME3-132S-8	2.2	3	710	5.75	5.46	5.26	80.3	81.9	81.9	0.71	29.6	1.8	2.0	6.0	64	52
ME3-132M-8	3	4	710	7.48	7.10	6.85	81.8	83.5	83.5	0.73	40.4	1.8	2.0	6.0	64	63
ME3-160MA-8	4	5.5	720	9.80	9.33	8.99	83.1	84.8	84.8	0.73	53.1	1.9	2.0	6.0	68	90
ME3-160MB-8	5.5	7.5	720	13.1	12.4	12.0	84.5	86.2	86.2	0.74	73.0	2.0	2.0	6.0	68	100
ME3-160L-8	7.5	10	720	17.4	16.5	15.9	85.6	87.3	87.3	0.75	99.5	2.0	2.0	6.0	68	124
ME3-180L-8	11	15	730	25.2	23.9	23.0	86.8	88.6	88.6	0.75	143.9	2.0	2.0	6.6	70	160
ME3-200L-8	15	20	730	33.5	31.8	30.6	87.8	89.6	89.6	0.76	196.2	2.0	2.0	6.6	73	212
ME3-225S-8	18.5	25	730	41.0	39.0	37.6	88.3	90.1	90.1	0.76	242	1.9	2.0	6.6	73	255
ME3-225M-8	22	30	730	47.3	44.9	43.3	88.8	90.6	90.6	0.78	287.8	1.9	2.0	6.6	73	285
ME3-250M-8	30	40	735	63.2	60.0	57.9	89.5	91.3	91.3	0.78	389.8	1.9	2.0	6.6	75	370
ME3-280S-8	37	50	735	77.5	73.6	71.0	90.0	91.8	91.8	0.79	480.7	1.9	2.0	6.6	76	485
ME3-280M-8	45	60	735	93.9	89.2	86.0	90.4	92.2	92.2	0.79	584.7	1.9	2.0	6.6	76	540
ME3-315S-8	55	75	735	111.5	106.0	102.1	90.7	92.5	92.5	0.81	714.6	1.8	2.0	6.6	82	820
ME3-315M-8	75	100	735	151.1	143.6	138.4	91.2	93.1	93.1	0.81	974.5	1.8	2.0	6.6	82	970
ME3-315LA-8	90	120	740	178.5	169.6	163.5	91.5	93.4	93.4	0.82	1161.5	1.8	2.0	6.6	82	1050
ME3-315LB-8	110	150	740	217.5	206.6	199.2	91.8	93.7	93.7	0.82	1419.6	1.8	2.0	6.4	82	1130
ME3-355MA-8	132	180	740	260.2	247.2	238.3	92.1	94.0	94.0	0.82	1703.5	1.8	2.0	6.4	90	1720
ME3-355MB-8	160	220	740	314.4	98.7	87.9	92.4	94.3	94.3	0.82	2064.9	1.8	2.0	6.4	90	1800
ME3-355LB-8	200	270	740	387.0	367.7	354.4	92.7	94.6	94.6	0.83	2581.1	1.8	2.0	6.4	90	1950
ME3-400LA-8	250	340	740	501.9	476.8	459.6	92.7	94.6	94.6	0.80	3226.4	1.6	1.8	6.0	95	2850
ME3-400LC-8	315	430	740	632.4	600.8	579.1	92.7	94.6	94.6	0.80	4065.2	1.6	1.8	6.0	98	3200

TECHNICAL DATA IE3 MOTOR - 10 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME3-315S-10	45	60	590	99.1	94.1	90.7	90.4	92.0	92.0	0.75	728.4	1.5	2.0	6.2	82	830
ME3—315M -10	55	75	590	121.1	115.1	110.9	90.4	92.0	92.0	0.75	890.3	1.5	2.0	6.2	82	940
ME3-315LA-10	75	100	590	161.6	153.5	147.9	90.7	92.8	92.8	0.76	1214.0	1.5	2.0	6.2	82	1070
ME3-315LB-10	90	120	590	191.0	181.4	174.7	91.2	93.0	93.0	0.77	1456.8	1.5	2.0	6.2	82	1150
ME3-355MA-10	110	150	590	229.7	218.2	210.3	91.3	93.3	93.3	0.78	1780.5	1.3	2.0	6.0	90	1660
ME3-355MB-10	132	180	590	274.1	260.4	251.0	91.5	93.8	93.8	0.78	2136.6	L3	2.0	6.0	90	1780
ME3-355LA-10	160	220	590	332.3	315.7	304.2	91.5	93.8	93.8	0.78	2589.8	1.3	2.0	6.0	90	1950
ME3-400LA-10	200	270	595	437.8	415.9	400.9	91.5	93.8	93.8	0.74	3210.1	1.2	1.6	5.5	93	2820
ME3-400LB-10	250	340	595	547.2	519.9	501.1	91.5	93.8	93.8	0.74	4012.6	1.2	1.6	5.5	93	2950
ME3-400LC-10	280	380	595	612.9	582.3	561.2	91.5	93.8	93.8	0.74	4494.1	1.2	1.6	5.5	97	3100
ME3-400LD-10	315	430	595	662.7	629.5	606.8	91.5	93.8	93.8	0.77	5055.9	1.2	1.6	5.5	97	3350
ME3-400LE-10	355	480	595	746.8	709.5	683.8	91.8	93.8	93.8	0.77	5697.9	1.2	1.6	5.5	97	3600
ME3-450LB-10	400	550	595	841.6	799.4	770.5	91.8	93.8	93.8	0.77	6420.2	1.2	1.6	5.5	97	3800
ME3-450LC-10	450	600	595	946.6	899.3	866.8	91.8	93.8	93.8	0.77	7222.7	1.2	1.6	5.5	97	4050
ME3-450LD-10	500	680	595	1051.8	999.2	963.1	91.8	93.8	93.8	0.77	8025.2	1.2	1.6	5.5	97	4300

TECHNICAL DATA IE4 MOTOR - 2 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME4-63MA-2	0.18	0.25	2780	0.48	0.46	0.44	69.4	70.8	70.8	0.80	0.62	2.2	2.3	5.0	61	9
ME4-63MB-2	0.25	0.37	2780	0.63	0.60	0.58	72.8	74.3	74.3	0.81	0.86	2.2	2.3	5.0	61	10
ME4-71MA-2	0.37	0.5	2800	0.89	0.84	0.81	76.5	78.1	78.1	0.81	1.26	2.2	2.3	5.5	64	12
ME4-71MB-2	0.55	0.75	2800	1.24	1.17	1.13	79.9	81.5	81.5	0.83	1.88	2.2	2.3	5.5	64	13
ME4-80MA-2	0.75	1	2825	1.64	1.56	1.51	81.8	83.5	83.5	0.83	2.54	2.2	2.3	8.5	62	15
ME4-80MB-2	1.1	1.5	2825	2.39	2.27	2.19	83.5	85.2	85.2	0.83	3.72	2.2	2.3	8.5	62	16.5
ME4-90S-2	1.5	2	2840	3.14	2.98	2.87	84.8	86.5	86.5	0.85	5.04	2.2	2.3	9.0	67	20
ME4-90L-2	2.2	3	2840	4.47	4.25	4.09	86.2	88.0	88.0	0.86	7.40	2.2	2.3	9.0	67	24
ME4-100LB	3	4	2870	5.88	5.59	5.38	87.3	89.1	89.1	0.87	9.98	2.2	2.3	9.5	74	31
ME4-112M-2	4	5.5	2880	7.67	7.29	7.03	88.2	90.0	90.0	0.88	13.3	2.2	2.3	9.5	77	38
ME4-132SA-2	5.5	7.5	2900	10.4	9.90	9.60	89.1	90.9	90.9	0.88	18.1	2.0	2.3	9.5	79	58
ME4-132SB-2	7.5	10	2900	14.1	13.4	12.9	89.9	91.7	91.7	0.89	24.7	2.0	2.3	9.5	79	62
ME4-160MA-2	11	15	2930	20.3	19.3	18.6	90.7	92.6	92.6	0.89	35.9	2.0	2.3	9.5	81	103
ME4-160MB-2	15	20	2930	27.4	26.1	25.1	91.4	93.3	93.3	0.89	48.9	2.0	2.3	9.5	81	112
ME4-160L-2	18.5	25	2930	33.7	32.0	30.9	91.8	93.7	93.7	0.89	60.3	2.0	2.3	9.5	81	135
ME4-180M-2	22	30	2940	40.0	38.0	36.6	92.1	94.0	94.0	0.89	71.5	2.0	2.3	9.5	83	165
ME4-200LA-2	30	40	2950	54.2	51.5	49.6	92.6	94.5	94.5	0.89	97.1	2.0	2.3	9.0	84	215
ME4-200LB-2	37	50	2950	66.6	63.3	61.0	92.9	94.8	94.8	0.89	119.8	2.0	2.3	9.0	84	232
ME4-225M-2	45	60	2960	80.9	76.8	74.0	93.1	95.0	95.0	0.89	145.2	2.0	2.3	9.0	86	285
ME4-250M-2	55	75	2965	98.5	93.6	90.2	93.4	95.3	95.3	0.89	177.2	2.0	2.3	9.0	89	375
ME4-280S-2	75	100	2970	133.9	127.2	122.6	93.7	95.6	95.6	0.89	241.2	1.8	2.3	8.5	91	500
ME4-280M-2	90	120	2970	160.4	152.4	146.9	93.9	95.8	95.8	0.89	289.4	1.8	2.3	8.5	91	550
ME4-315S-2	110	150	2975	195.6	185.8	179.1	94.1	96.0	96.0	0.89	353.1	1.8	2.2	8.5	92	860
ME4-315M-2	132	180	2975	234.2	222.5	214.5	94.3	96.2	96.2	0.89	423.7	1.8	2.2	8.5	92	960
ME4-315LA-2	160	220	2975	283.6	269.5	259.7	94.4	96.3	96.3	0.89	513.6	1.8	2.2	8.5	92	1020
ME4-315LC-2	200	270	2975	353.8	336.1	324.0	94.6	96.5	96.5	0.89	642.0	1.8	2.2	8.5	92	1080
ME4-355MB-2	250	340	2980	432.6	410.9	396.1	94.6	96.5	96.5	0.91	801.2	1.6	2.2	8.5	97	1700
ME4-355LB-2	315	430	2980	545.0	517.8	499.1	94.6	96.5	96.5	0.91	1009.5	1.6	2.2	8.5	97	1850

TECHNICAL DATA IE4 MOTOR - 4 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME4-63MB-4	0.18	0.25	1350	0.50	0.48	0.46	73.2	74.7	74.7	0.73	1.27	2.0	2.2	4.0	52	9
ME4-71MA-4	0.25	0.37	1380	0.66	0.63	0.60	76.3	77.9	77.9	0.74	1.73	2.0	2.2	4.0	55	10
ME4-71MB-4	0.37	0.5	1380	0.92	0.88	0.85	79.5	81.1	81.1	0.75	2.56	2.0	2.2	4.0	55	12
ME4-80MA-4	0.55	0.75	1390	1.33	1.26	1.22	82.2	83.9	83.9	0.75	3.78	2.4	2.3	5.2	56	14.5
ME4-80MB-4	0.75	1	1390	1.75	1.66	1.60	84.0	85.7	85.7	0.74	5.15	2.3	2.3	8.5	56	15
ME4-90S-4	1.1	1.5	1400	2.49	2.36	2.28	85.5	87.2	87.2	0.75	7.50	2.3	2.3	8.5	59	19
ME4-90L-4	1.5	2	1400	3.27	3.11	3.00	86.4	88.2	88.2	0.76	10.2	2.3	2.3	9.0	59	23
ME4-100LA-4	2.2	3	1420	4.61	4.38	4.22	87.7	89.5	89.5	0.79	14.8	2.3	2.3	9.0	64	30
ME4-100LB-4	3	4	1420	6.15	5.84	5.63	88.6	90.4	90.4	0.80	20.2	2.3	2.3	9.5	64	33
ME4-112M-4	4	5.5	1440	8.14	7.73	7.45	89.3	91.1	91.1	0.80	26.5	2.3	2.3	9.5	65	43
ME4-132S-4	5.5	7.5	1440	11.0	10.4	10.0	90.1	91.9	91.9	0.80	36.5	2.0	2.3	9.5	71	60
ME4-132M-4	7.5	10	1440	14.7	13.9	13.4	90.7	92.6	92.6	0.81	49.7	2.0	2.3	9.5	71	69
ME4-160M-4	11	15	1460	21.3	20.3	19.5	91.4	93.3	93.3	0.83	72.0	2.0	2.3	9.5	73	107
ME4-160L-4	15	20	1460	28.6	27.1	26.1	92.0	93.9	93.9	0.84	98.1	2.0	2.3	9.5	73	130
ME4-180M-4	18.5	25	1465	34.7	33.0	31.8	92.3	94.2	94.2	0.85	120.6	2.0	2.3	9.5	73	162
ME4-180L-4	22	30	1465	41.1	39.1	37.7	92.6	94.5	94.5	0.85	143.4	2.0	2.3	9.5	73	175
ME4-200L-4	30	40	1470	55.9	53.1	51.1	93.0	94.9	94.9	0.85	194.9	2.0	2.3	9.0	76	227
ME4-225S-4	37	50	1475	67.9	64.5	62.2	93.3	95.2	95.2	0.85	239.6	2.0	2.3	9.0	78	282
ME4-225M-4	45	60	1475	82.4	78.3	75.4	93.5	95.4	95.4	0.85	291.4	2.0	2.3	9.0	78	315
ME4-250M-4	55	75	1475	100.4	95.4	91.9	93.8	95.7	95.7	0.86	356.1	2.0	2.3	9.0	79	390
ME4-280S-4	75	100	1480	136.4	129.6	124.9	94.1	96.0	96.0	0.87	484.0	2.0	2.3	8.5	80	525
ME4-280M-4	90	120	1480	163.6	155.4	149.8	94.2	96.1	96.1	0.88	580.7	2.0	2.3	8.5	80	590
ME4-315S-4	110	150	1480	197.2	187.4	180.6	94.4	96.3	96.3	0.89	709.8	1.8	2.2	8.5	88	900
ME4-315M-4	132	180	1480	236.4	224.6	216.5	94.5	96.4	96.4	0.89	851.8	1.8	2.2	8.5	88	1000
ME4-315LA-4	160	220	1480	279.6	265.6	256.0	94.7	96.7	96.6	0.90	1032.4	1.8	2.2	8.5	88	1070
ME4-315LC-4	200	270	1480	349.2	331.7	319.7	94.8	96.7	96.7	0.90	1290.5	1.8	2.2	8.5	88	1140
ME4-355MB-4	250	340	1490	436.5	414.6	399.6	94.8	96.7	96.7	0.90	1602.3	1.8	2.2	8.5	92	1760
ME4-355LB-4	315	430	1490	549.9	522.4	503.6	94.8	96.7	96.7	0.90	2019.0	1.8	2.2	8.5	92	1920

TECHNICAL DATA IE4 MOTOR - 6 POLES - 50HZ

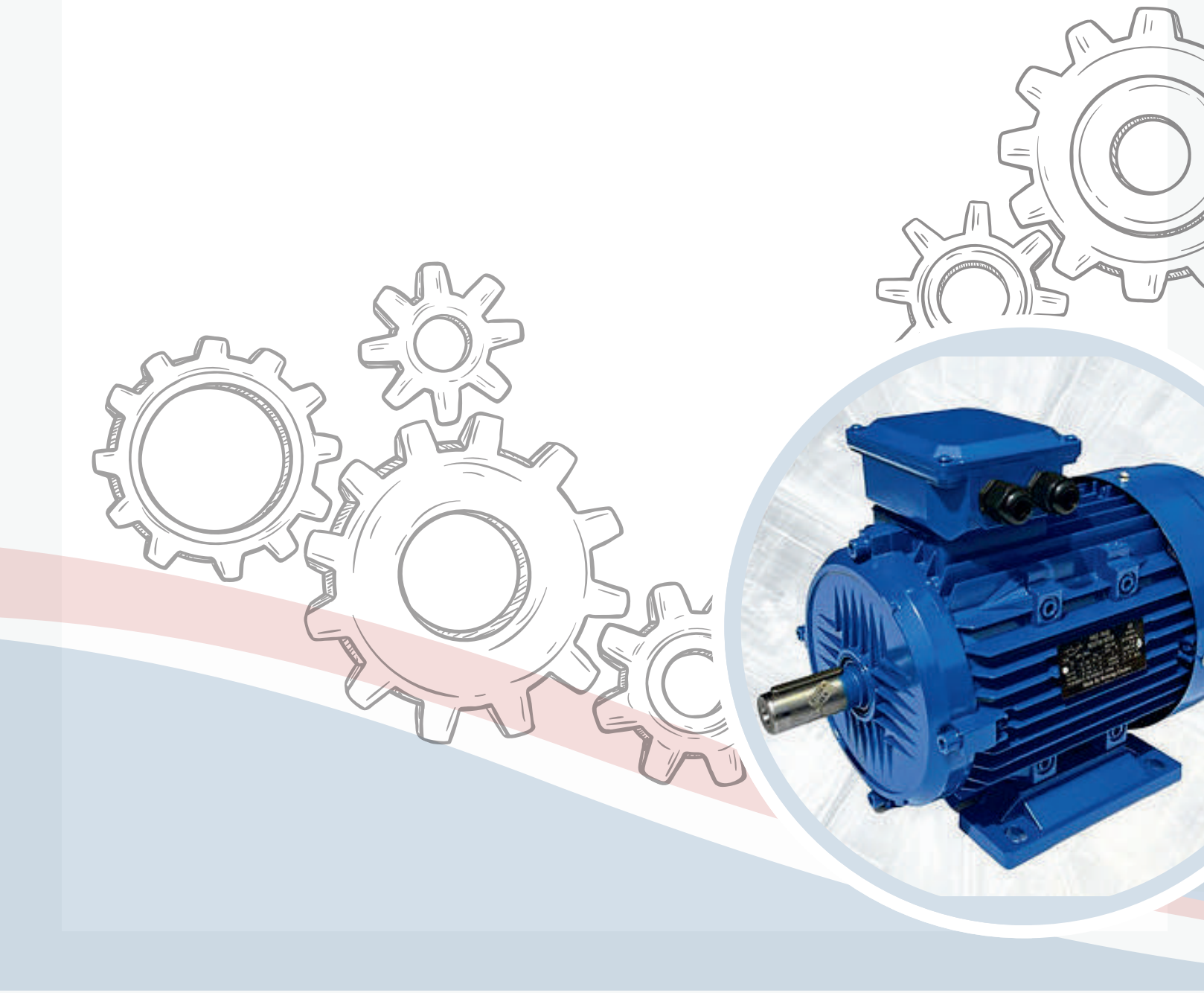
Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME4-71MA-6	0.18	0.25	860	0.59	0.56	0.54	68.7	70.1	70.1	0.66	2.00	1.9	2.1	4.0	52	11
ME4-71MB-6	0.25	0.37	860	0.75	0.72	0.69	72.6	74.1	74.1	0.68	2.78	1.9	2.1	4.0	52	13
ME4-80MA-6	0.37	0.5	900	1.03	0.98	0.94	76.4	78.0	78.0	0.70	3.93	1.9	2	4.7	54	15.5
ME4-80MB-6	0.55	0.75	900	1.43	1.36	1.31	79.3	80.9	80.9	0.72	5.84	1.9	2.1	4.7	54	16.5
ME4-90S-6	0.75	1	910	1.97	1.87	1.80	81.0	82.7	82.7	0.70	7.87	2.1	2.1	7.5	57	20
ME4-90L-6	1.1	1.5	910	2.83	2.68	2.59	82.8	84.5	84.5	0.70	11.5	2.1	2.1	7.5	57	24
ME4-100L-6	1.5	2	930	3.74	3.55	3.42	84.2	85.9	85.9	0.71	15.4	2.1	2.1	7.5	61	29
ME4-112M-6	2.2	3	940	5.39	5.12	4.93	85.7	87.4	87.4	0.71	22.4	2.1	2.1	7.5	65	37
ME4-132S-6	3	4	960	7.25	6.88	6.63	86.8	88.6	88.6	0.71	29.9	2.0	2.1	7.5	69	53
ME4-132MA-6	4	5.5	960	9.43	8.96	8.64	87.7	89.5	89.5	0.72	39.8	2.0	2.1	8.0	69	64
ME4-132MB-6	5.5	7.5	960	12.8	12.2	11.7	88.7	90.5	90.5	0.72	54.7	2.0	2.1	8.0	69	72
ME4-160M-6	7.5	10	970	16.4	15.6	15.0	89.5	91.3	91.3	0.76	73.9	2.0	2.1	8.0	73	97
ME4-160L-6	11	15	970	23.5	22.3	21.5	90.5	92.3	92.3	0.77	108.3	2.0	2.1	8.5	73	126
ME4-180L-6	15	20	970	30.7	29.1	28.1	91.0	92.9	92.9	0.80	147.7	2.0	2.1	8.5	73	166
ME4-200LA-6	18.5	25	975	37.6	35.7	34.4	91.5	93.4	93.4	0.80	181.2	2.0	2.1	8.5	73	205
ME4-200LB-6	22	30	975	44.0	41.8	40.3	91.8	93.7	93.7	0.81	215.5	2.0	2.1	8.5	73	220
ME4-225M-6	30	40	980	59.0	56.1	54.0	92.3	94.2	94.2	0.82	292.3	2.0	2.1	8.5	74	290
ME4-250M-6	37	50	980	71.7	68.1	65.6	92.6	94.5	94.5	0.83	360.5	2.0	2.1	8.5	76	370
ME4-280S-6	45	60	980	86.9	82.6	79.0	92.9	94.8	94.8	0.83	438.5	2.0	2.0	8.5	78	490
ME4-280M-6	55	75	980	104.6	99.4	95.8	93.2	95.1	95.1	0.84	535.9	2.0	2.0	8.5	78	540
ME4-315S-6	75	100	985	142.2	135.1	130.2	93.5	95.4	95.4	0.84	727.1	1.6	2.0	8.0	83	850
ME4-315M-6	90	120	985	168.3	159.9	154.1	93.7	95.6	95.6	0.85	872.5	1.6	2.0	8.0	83	960
ME4-315LA-6	110	150	985	205.2	195.0	187.9	93.9	95.8	95.8	0.85	1066.4	1.6	2.0	8.0	83	1060
ME4-315LB-6	132	180	985	242.9	230.8	222.4	94.1	96.0	96.0	0.86	1279.7	1.6	2.0	8.0	83	1120
ME4-355MA-6	160	220	990	293.8	279.2	269.1	94.3	96.2	96.2	0.86	1543.3	1.6	2.0	8.0	85	1680
ME4-355MC-6	200	270	990	366.9	348.6	336.0	94.4	96.3	96.3	0.86	1929.1	1.6	2.0	8.0	91	1780
ME4-355LB-6	250	340	990	457.7	434.8	419.1	94.6	96.5	96.5	0.86	2411.4	1.6	2.0	8.0	91	1950
ME4-400LA-6	315	430	990	604.2	574.0	553.3	94.7	96.6	96.6	0.82	3038.6	0.9	1.8	7.9	92	2850

TECHNICAL DATA IE4 MOTOR - 8 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME4-80MA-8	0.18	0.25	650	0.67	0.63	0.61	65.9	67.2	67.2	0.61	2.64	1.8	1.9	3.3	52	15.5
ME4-80MB-8	0.25	0.37	650	0.88	0.84	0.81	69.4	70.8	70.8	0.61	3.67	1.8	1.9	3.3	52	16.5
ME4-90S-8	0.37	0.5	660	1.24	1.18	1.14	72.8	74.3	74.3	0.61	5.35	1.8	1.9	4.0	56	20
ME4-90L-8	0.55	0.75	660	1.78	1.69	1.63	75.5	77.0	77.0	0.61	7.96	1.8	2.0	4.0	56	24
ME4-100LA-8	0.75	1	690	2.20	2.09	2.02	76.8	78.4	78.4	0.66	10.4	1.8	2.0	7.0	59	30
ME4-100LB-8	1.1	1.5	690	3.09	2.93	2.83	79.2	80.8	80.8	0.67	15.2	2.0	2.0	7.0	59	32
ME4-112M-8	1.5	2	700	4.00	3.80	3.66	80.9	82.6	82.6	0.69	20.5	2.0	2.0	7.0	61	40
ME4-132S-8	2.2	3	710	5.65	5.37	5.17	82.8	84.5	84.5	0.70	29.6	1.8	2.0	7.5	64	52
ME4-132M-8	3	4	710	7.58	7.20	6.94	84.2	85.9	85.9	0.70	40.4	1.8	2.0	7.8	64	63
ME4-160MA-8	4	5.5	720	9.80	9.34	9.00	85.4	87.1	87.1	0.71	53.1	1.8	2.0	7.9	68	90
ME4-160MB-8	5.5	7.5	720	13.1	12.50	12.00	86.5	88.3	88.3	0.72	73.0	1.8	2.0	8.1	68	100
ME4-160L-8	7.5	10	720	17.2	16.40	15.80	87.5	89.3	89.3	0.74	99.5	1.8	2.0	7.8	68	124
ME4-180L-8	11	15	730	25.0	23.70	22.90	88.6	90.4	90.4	0.74	143.9	1.8	2.0	7.9	70	160
ME4-200L-8	15	20	730	33.3	31.70	30.50	89.4	91.2	91.2	0.75	196.2	1.8	2.0	8.0	73	212
ME4-225S-8	18.5	25	730	40.9	38.80	37.40	89.9	91.7	91.7	0.75	242.0	1.8	2.0	8.1	73	255
ME4-225M-8	22	30	730	47.8	45.40	43.70	90.3	92.1	92.1	0.76	287.8	1.8	2.0	8.3	73	285
ME4-250M-8	30	40	735	63.9	60.70	58.50	90.8	92.7	92.7	0.77	389.8	1.8	2.0	7.9	75	370
ME4-280S-8	37	50	735	77.4	73.50	70.90	91.2	93.1	93.1	0.78	480.7	1.8	2.0	7.9	76	485
ME4-280M-8	45	60	735	93.9	89.20	85.90	91.5	93.4	93.4	0.78	584.7	1.8	2.0	7.9	76	540
ME4-315S-8	55	75	735	111.5	105.90	102.10	91.8	93.7	93.7	0.80	714.6	1.6	2.0	8.2	82	820
ME4-315M-8	75	100	735	151.2	143.70	138.50	92.3	94.2	94.2	0.80	974.5	1.6	2.0	7.6	82	970
ME4-315LA-8	90	120	740	178.8	169.90	163.80	92.5	94.4	94.4	0.81	1161.5	1.6	2.0	7.7	82	1050
ME4-315LB-8	110	150	740	217.9	207.00	199.50	92.8	94.7	94.7	0.81	1419.6	1.6	2.0	7.7	82	1130
ME4-355MA-8	132	180	740	260.9	247.90	238.90	93.0	94.9	94.9	0.81	1703.5	1.6	2.0	7.7	89	1720
ME4-355MB-8	160	220	740	311.7	296.20	285.40	93.2	95.1	95.1	0.82	2064.9	1.6	2.0	7.7	89	1800
ME4-355LB-8	200	270	740	388.5	369.00	355.70	93.5	95.4	95.4	0.82	2581.1	L6	2.0	7.8	89	1950
ME4-400LA-8	250	340	740	497.7	472.80	455.70	93.5	95.4	95.4	0.80	3226.4	1.6	1.8	7.6	91	2850
ME4-400LC-8	315	430	740	627.1	595.80	574.20	93.5	95.4	95.4	0.80	4065.2	1.6	1.8	7.6	91	3200

TECHNICAL DATA IE4 MOTOR - 10 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME4-315S-10	45	60	590	99.6	94.7	91.2	89.7	91.5	91.5	0.75	728.4	1.5	2.0	6.2	82	830
ME4-315MA-10	55	75	590	121.1	115.1	110.9	90.0	92.0	92.0	0.75	890.3	1.5	2.0	6.2	82	940
ME4-315LA-10	75	100	590	162.1	154.0	148.4	90.2	92.5	92.5	0.76	1214.0	1.5	2.0	6.2	82	1070
ME4-315LB-10	90	120	590	191.0	181.4	174.9	91.3	93.0	93.0	0.77	1456.8	1.5	2.0	6.2	82	1150
ME4-355MA-10	110	150	590	229.9	218.4	210.5	91.7	93.2	93.2	0.78	1780.5	1.3	2.0	6.0	90	1660
ME4-355MB-10	132	180	590	275.0	261.3	251.8	91.5	93.5	93.5	0.78	2136.6	1.3	2.0	6.0	90	1780
ME4-355LA-10	160	220	590	333.3	316.7	305.2	91.5	93.5	93.5	0.78	2589.8	1.3	2.0	6.0	90	1950
ME4-400LA-10	200	270	595	415.3	394.6	380.3	91.7	93.8	93.8	0.78	3210.1	1.2	1.6	5.5	93	2820
ME4-400LB-10	250	340	595	519.2	493.2	475.4	91.7	93.8	93.8	0.78	4012.6	1.2	1.6	5.5	93	2950
ME4-400LC-10	280	380	595	581.5	552.4	532.4	91.7	93.8	93.8	0.78	4494.1	1.2	1.6	5.5	97	3100
ME4-400LD-10	315	430	595	654.2	621.4	599.0	91.7	93.8	93.8	0.78	5055.9	1.2	1.6	5.5	97	3350
ME4-400LE-10	355	480	595	737.2	700.4	675.0	91.8	93.8	93.8	0.78	5697.9	1.2	1.6	5.5	97	3600
ME4-450LB-10	400	550	595	830.7	789.1	760.6	91.8	93.8	93.8	0.78	6420.2	1.2	1.6	5.5	97	3800
ME4-450LC-10	450	600	595	934.5	887.8	855.7	91.8	93.8	93.8	0.78	7222.7	1.2	1.6	5.5	97	4050
ME4-450LD-10	500	680	595	1038.3	986.4	950.8	91.8	93.8	93.8	0.78	8025.2	1.2	1.6	5.5	97	4300



TECHNICAL DATA IE5 MOTOR - 2 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME5-63MA-2	0.18	0.25	2780	0.45	0.43	0.42	74.4	75.8	75.2	0.80	0.62	2.2	2.3	6.0	61	10
ME5-63MB-2	0.25	0.37	2780	0.60	0.57	0.55	77.5	78.9	78.3	0.81	0.86	2.2	2.3	6.0	61	11
ME5-71MA-2	0.37	0.5	2800	0.85	0.81	0.78	80.9	82.4	81.7	0.81	1.26	2.2	2.3	6.6	64	13
ME5-71MB-2	0.55	0.75	2800	1.19	1.13	1.09	83.8	85.3	84.6	0.83	1.88	2.2	2.3	6.6	64	14
ME5-80MA-2	0.75	1	2825	1.59	1.51	1.46	85.4	87.0	86.3	0.83	2.54	2.2	2.3	7.3	67	17
ME5-80MB-2	1.1	1.5	2825	2.27	2.15	2.08	86.9	88.5	87.8	0.84	3.72	2.2	2.3	8.4	67	18
ME5-90S-2	1.5	2	2840	3.05	2.90	2.79	88.0	89.6	88.9	0.84	5.04	2.2	2.3	8.4	72	22
ME5-90L-2	2.2	3	2840	4.36	4.14	3.99	89.3	90.9	90.2	0.85	7.40	2.2	2.3	8.4	72	26
ME5-100L-2	3	4	2870	5.75	5.46	5.27	90.2	91.8	91.1	0.87	9.98	2.2	2.3	9.0	76	34
ME5-112M-2	4	5.5	2880	7.52	7.15	6.89	90.9	92.5	91.8	0.88	13.3	2.2	2.3	9.0	77	42
ME5-132SA-2	5.5	7.5	2900	10.3	9.74	9.39	91.7	93.3	92.6	0.88	18.1	2.2	2.3	9.0	80	64
ME5-132SB-2	7.5	10	2900	13.9	13.2	12.7	92.4	94.1	93.3	0.88	24.7	2.2	2.3	9.0	80	68
ME5-160MA-2	11	15	2930	20.0	19.0	18.3	93.1	94.8	94.0	0.89	35.9	2.2	2.3	9.0	86	113
ME5-160MB-2	15	20	2930	27.1	25.7	24.8	93.6	95.3	94.5	0.89	48.9	2.2	2.3	9.0	86	123
ME5-160L-2	18.5	25	2930	33.3	31.6	30.5	94.0	95.7	94.9	0.89	60.3	2.2	2.3	9.0	86	149
ME5-180M-2	22	30	2940	39.5	37.5	36.2	94.1	95.9	95.1	0.89	71.5	2.0	2.3	9.0	89	182
ME5-200LA-2	30	40	2950	53.6	51.0	49.1	94.5	96.3	95.5	0.89	97.1	2.0	2.3	9.0	92	237
ME5-200LB-2	37	50	2950	65.9	62.6	60.4	94.8	96.6	95.8	0.89	119.8	2.0	2.3	9.0	92	255
ME5-225M-2	45	60	2960	80.0	76.0	73.3	95.0	96.8	96.0	0.89	145.2	2.0	2.3	9.0	92	314
ME5-250M-2	55	75	2965	97.6	92.7	89.4	95.2	97.0	96.2	0.89	177.2	2.0	2.3	9.0	93	413
ME5-280S-2	75	100	2970	132.7	126.1	121.5	95.5	97.3	96.5	0.89	241.2	2.0	2.3	9.0	94	550
ME5-280M-2	90	120	2970	159.1	151.1	145.6	95.6	97.4	96.6	0.89	289.4	2.0	2.3	9.0	94	605
ME5-315S-2	110	150	2975	194.0	184.3	177.6	95.8	97.6	96.8	0.89	353.1	1.8	2.2	8.5	96	946
ME5-315M-2	132	180	2975	232.6	220.9	212.9	95.9	97.7	96.9	0.89	423.7	1.8	2.2	8.5	96	1056
ME5-315LA-2	160	220	2975	281.6	267.5	257.9	96.0	97.8	97.0	0.89	513.6	1.8	2.2	8.5	99	1122
ME5-315LC-2	200	270	2975	351.3	333.7	321.7	96.2	98.0	97.2	0.89	642.0	1.8	2.2	8.5	99	1188
ME5-355MB-2	250	340	2980	429.4	408.0	393.2	96.2	98.0	97.2	0.91	801.2	1.6	2.2	8.5	103	1870
ME5-355LB-2	315	430	2980	541.1	514.0	495.5	96.2	98.0	97.2	0.91	1009.5	1.6	2.2	8.5	103	2035

TECHNICAL DATA IE5 MOTOR - 4 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME5-63MB-4	0.18	0.25	1350	0.48	0.45	0.44	77.9	79.4	78.7	0.73	1.27	2.0	2.2	4.8	52	110
ME5-71MA-4	0.25	0.37	1380	0.63	0.60	0.58	80.7	82.2	81.5	0.74	1.73	2.0	2.2	4.8	55	11
ME5-71MB-4	0.37	0.5	1380	0.89	0.84	0.81	83.5	85.0	84.3	0.75	2.56	2.0	2.2	4.8	55	13
ME5-80MA-4	0.55	0.75	1390	1.29	1.22	1.18	85.8	87.4	86.7	0.75	3.8	2.4	2.3	6.2	58	16
ME5-80MB-4	0.75	1	1390	1.70	1.61	1.56	87.3	88.9	88.2	0.76	5.15	2.3	2.3	7.2	58	17
ME5-90S-4	1.1	1.5	1400	2.43	2.31	2.23	88.3	89.9	89.2	0.77	7.5	2.3	2.3	7.2	61	21
ME5-90L-4	1.5	2	1400	3.19	3.03	2.92	89.5	91.1	90.4	0.79	10.2	2.3	2.3	7.2	61	25
ME5-100LA-4	2.2	3	1420	4.52	4.29	4.13	90.5	92.1	91.4	0.81	14.8	2.3	2.3	8.4	64	33
ME5-100LB-4	3	4	1420	6.04	5.73	5.53	91.2	92.8	92.1	0.82	20.2	2.3	2.3	8.4	64	36
ME5-112M-4	4	5.5	1440	7.99	7.59	7.31	91.9	93.5	92.8	0.82	26.5	2.3	2.3	8.4	65	47
ME5-132S-4	5.5	7.5	1440	10.8	10.2	9.87	92.5	94.2	93.4	0.83	36.5	2.3	2.3	8.4	71	66
ME5-132M-4	7.5	10	1440	14.4	13.7	13.2	93.1	94.8	94.0	0.84	49.7	2.3	2.3	8.4	71	76
ME5-160M-4	11	15	1460	21.0	20.0	19.3	93.7	95.4	94.6	0.84	72.0	2.2	2.3	8.4	75	118
ME5-160L-4	15	20	1460	28.2	26.8	25.8	94.1	95.9	95.1	0.85	98.1	2.2	2.3	9.0	75	143
ME5-180M-4	18.5	25	1465	34.3	32.6	31.4	94.3	96.1	95.3	0.86	120.6	2.2	2.3	9.0	76	178
ME5-180L-4	22	30	1465	40.7	38.7	37.3	94.5	96.3	95.5	0.86	143.4	2.2	2.3	9.0	76	193
ME5-200L-4	30	40	1470	55.3	52.5	50.6	94.9	96.7	95.9	0.86	194.9	2.2	2.3	8.6	79	250
ME5-225S-4	37	50	1475	67.2	63.9	61.6	95.1	96.9	96.1	0.87	239.6	2.2	2.3	8.6	81	310
ME5-225M-4	45	60	1475	81.6	77.5	74.7	95.3	97.1	96.3	0.87	291.4	2.2	2.3	8.6	81	347
ME5-250M-4	55	75	1475	99.5	94.6	91.1	95.5	97.3	96.5	0.87	356.1	2.2	2.3	8.6	83	429
ME5-280S-4	75	100	1480	135.5	128.7	124.0	95.7	97.5	96.7	0.87	484	2.2	2.3	8.6	86	578
ME5-280M-4	90	120	1480	162.2	154.1	148.5	95.9	97.7	96.9	0.87	580.7	2.2	2.3	8.6	86	649
ME5-315S-4	110	150	1480	195.8	186.0	179.3	96.0	97.8	97.0	0.88	709.8	2.1	2.2	8.3	93	990
ME5-315M-4	132	180	1480	234.7	223.0	214.9	96.1	97.9	97.1	0.88	851.8	2.1	2.2	8.3	93	1100
ME5-315LA-4	160	220	1480	277.9	264.0	254.5	96.2	98.0	97.2	0.90	1032.4	2.1	2.2	8.3	97	1177
ME5-315LC-4	200	270	1480	346.7	329.3	317.4	96.4	98.2	97.4	0.90	1290.5	2.1	2.2	8.3	97	1254
ME5-355MB-4	250	340	1490	433.3	411.7	396.8	96.4	98.2	97.4	0.90	1602.3	2.1	2.2	8.3	101	1936
ME5-355LB-4	315	430	1490	546.0	518.7	499.9	96.4	98.2	97.4	0.90	2019.0	2.1	2.2	8.3	101	2112

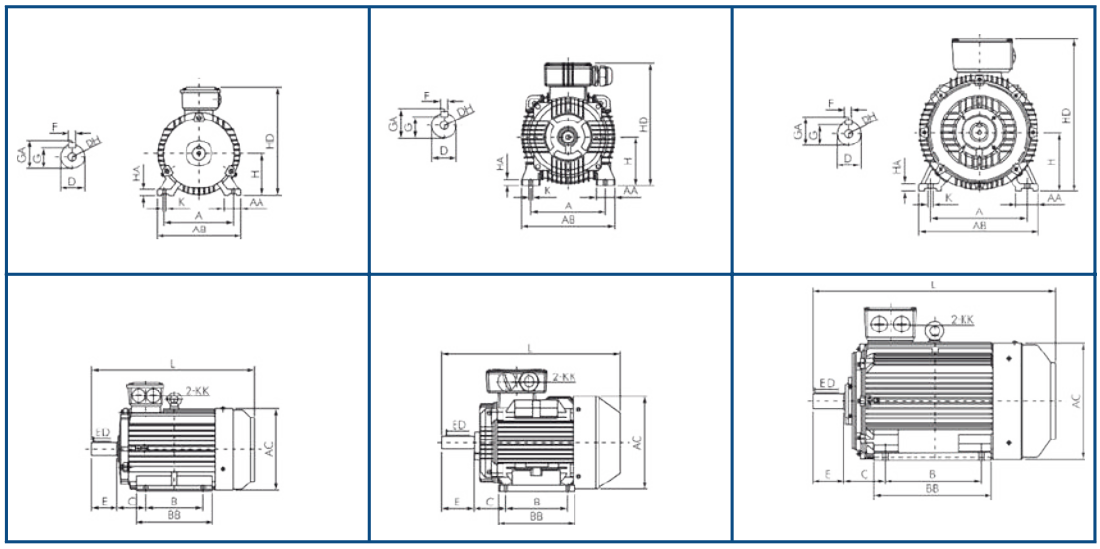
TECHNICAL DATA IE5 MOTOR - 6 POLES - 50HZ

Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME5-71MA-6	0.18	0.25	860	0.56	0.53	0.51	73.9	75.2	74.6	0.66	2.00	1.9	2.1	4.8	52	12
ME5-71MB-6	0.25	0.37	860	0.72	0.68	0.65	77.3	78.7	78.1	0.68	2.78	1.9	2.1	4.8	52	14
ME5-80MA-6	0.37	0.5	900	0.98	0.93	0.90	80.8	82.3	81.6	0.70	3.93	1.9	2.0	5.6	54	17
ME5-80MB-6	0.55	0.75	900	1.38	1.31	1.26	83.4	84.9	84.2	0.72	5.84	1.9	2.1	5.6	54	18
ME5-90S-6	0.75	1	910	1.90	1.80	1.74	84.8	86.4	85.7	0.70	7.87	2.0	2.1	6.6	57	22
ME5-90L-6	1.1	1.5	910	2.74	2.60	2.51	86.3	87.9	87.2	0.70	11.5	2.0	2.1	6.6	57	26
ME5-100L-6	1.5	2	930	3.63	3.45	3.32	87.5	89.1	88.4	0.71	15.4	2.0	2.1	6.6	61	32
ME5-112M-6	2.2	3	940	5.25	4.99	4.81	88.8	90.4	89.7	0.71	22.4	2	2.1	7.8	65	41
ME5-132S-6	3	4	960	7.09	6.73	6.49	89.7	91.3	90.6	0.71	29.9	2.1	2.1	7.8	69	58
ME5-132MA-6	4	5.5	960	9.24	8.77	8.46	90.5	92.1	91.4	0.72	39.8	2.1	2.1	7.8	69	70
ME5-132MB-6	5.5	7.5	960	12.6	12.0	11.5	91.3	92.9	92.2	0.72	54.7	2.1	2.1	7.8	73	79
ME5-160M-6	7.5	10	970	16.1	15.3	14.8	92.0	93.6	92.9	0.76	73.9	2.0	2.1	7.8	73	107
ME5-160L-6	11	15	970	23.2	22.0	21.2	92.8	94.5	93.7	0.77	108.3	2.0	2.1	7.8	73	139
ME5-180L-6	15	20	970	30.2	28.7	27.7	93.4	95.1	94.3	0.80	147.7	2.0	2.1	8.4	76	183
ME5-200LA-6	18.5	25	975	37.1	35.3	34.0	93.7	85.4	94.6	0.80	181.2	2.1	2.1	8.4	76	226
ME5-200LB-6	22	30	975	43.5	41.3	39.8	94.0	95.7	94.9	0.81	215.5	2.1	2.1	8.4	76	242
ME5-225M-6	30	40	980	58.3	55.4	53.4	94.3	96.1	95.3	0.82	292.3	2.0	2.1	8.4	78	319
ME5-250M-6	37	50	980	70.9	67.3	64.9	94.6	96.4	95.6	0.83	360.5	2.1	2.1	8.4	80	307
ME5-280S-6	45	60	980	86.0	81.7	78.7	94.8	96.6	95.8	0.83	438.5	2.1	2.0	8.4	80	539
ME5-280M-6	55	75	980	103.6	98.5	94.9	95.0	96.8	96.0	0.84	535.9	2.1	2.0	8.4	85	594
ME5-315S-6	75	100	985	140.9	133.8	129.0	95.3	97.1	96.3	0.84	727.1	2.0	2.0	8.4	85	935
ME5-315M-6	90	120	985	166.7	158.4	152.7	95.5	97.3	96.5	0.85	872.5	2.0	2.0	8.4	85	1056
ME5-315LA-6	110	150	985	203.6	193.4	186.4	95.6	97.4	96.6	0.85	1066.4	2.0	2.0	8.0	85	1166
ME5-315LB-6	132	180	985	240.9	228.9	220.6	95.8	97.6	96.8	0.86	1279.7	2.0	2.0	8.0	92	1232
ME5-355MA-6	160	220	990	291.7	277.1	267.1	95.9	97.7	96.9	0.86	1543.3	1.9	2.0	8.0	92	1848
ME5-355MC-6	200	270	990	364.3	346.1	333.6	96.0	97.8	97.0	0.86	1929.1	1.9	2.0	8.0	92	1958
ME5-355LB-6	250	340	990	455.3	432.6	417.0	96.0	97.8	97.0	0.86	2411.4	1.9	2.0	8.0	96	2145
ME5-400LA-6	315	430	990	601.7	571.6	551.0	96.0	97.8	97.0	0.82	3038.6	1.6	1.9	7.4	96	3135

TECHNICAL DATA IE5 MOTOR - 8 POLES - 50HZ

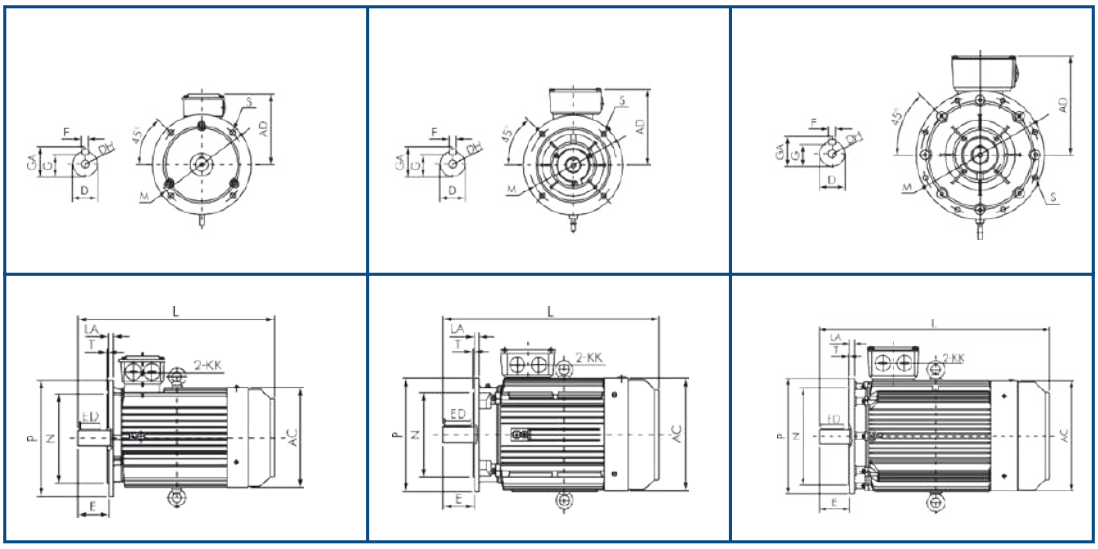
Type	Rate Output		Full Load								Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency η %			Power factor						
	KW	HP	RPM	380V	400V	415V	50% Load	75% Load	100% Load	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME5-80MA-8	0.18	0.25	650	0.62	0.59	0.57	71.2	82.5	71.9	0.61	2.64	1.8	1.9	4.0	52	17
ME5-80MB-8	0.25	0.37	650	0.83	0.79	0.76	74.4	75.8	75.2	0.61	3.67	1.8	1.9	4.0	52	18
ME5-90S-8	0.37	0.5	660	1.18	1.12	1.08	77.6	79.0	78.4	0.61	5.35	1.8	1.9	4.8	56	22
ME5-90L-8	0.55	0.75	660	1.70	1.61	1.56	79.8	81.2	80.6	0.61	7.96	1.8	2.0	4.8	56	26
ME5-100LA-8	0.75	1	690	2.11	2.00	1.93	81.2	82.7	82.0	0.66	10.4	1.8	2.0	4.8	59	33
ME5-100LB-8	1.1	1.5	690	2.97	2.82	2.72	83.2	84.7	84.0	0.67	15.2	1.8	2.0	6.0	59	35
ME5-112M-8	1.5	2	700	3.86	3.67	3.54	84.6	86.2	85.5	0.69	20.5	1.8	2.0	6.0	61	44
ME5-132S-8	2.2	3	710	5.48	5.20	5.01	86.3	87.9	87.2	0.70	29.6	1.8	2.0	7.2	64	57
ME5-132M-8	3	4	710	7.37	7.00	6.74	87.5	89.1	88.4	0.70	40.4	1.8	2.0	7.2	64	69
ME5-160MA-8	4	5.5	720	9.57	9.10	8.77	88.5	90.1	89.4	0.71	53.1	1.9	2.0	7.2	68	99
ME5-160MB-8	5.5	7.5	720	12.9	12.2	11.8	89.5	91.1	90.4	0.72	73.0	2.0	2.0	7.2	68	110
ME5-160L-8	7.5	10	720	16.9	16.0	15.4	90.4	92.0	91.3	0.74	99.5	2.0	2.0	7.2	68	136
ME5-180L-8	11	15	730	24.5	23.3	22.4	91.3	92.9	92.2	0.74	143.9	2.0	2.0	7.9	70	176
ME5-200L-8	15	20	730	32.7	31.1	30.0	92.0	93.6	92.9	0.75	196.2	2.0	2.0	7.9	73	233
ME5-225S-8	18.5	25	730	40.2	32.8	36.8	92.4	94.1	93.3	0.75	242.0	1.9	2.0	7.9	73	281
ME5-225M-8	22	30	730	47.0	44.6	43.0	92.7	94.4	93.6	0.76	287.8	1.9	2.0	7.9	73	314
ME5-250M-8	30	40	735	62.9	59.8	57.6	93.2	94.9	94.1	0.77	389.8	1.9	2.0	7.9	75	407
ME5-280S-8	37	50	735	76.4	72.5	69.9	93.5	95.2	94.4	0.78	480.7	1.9	2.0	7.9	76	534
ME5-280M-8	45	60	735	92.6	87.9	84.8	93.8	95.5	94.7	0.78	584.7	1.9	2.0	7.9	76	594
ME5-315S-8	55	75	735	110.1	104.6	100.8	94.0	95.7	94.9	0.80	714.6	1.8	2.0	7.9	82	902
ME5-315M-8	75	100	735	149.5	142.0	136.9	94.3	96.1	95.3	0.80	974.5	1.8	2.0	7.9	82	1067
ME5-315LA-8	90	120	740	176.8	167.9	161.9	94.5	96.3	95.5	0.81	1161.5	1.8	2.0	7.9	82	1155
ME5-315LB-8	110	150	740	215.6	204.8	197.4	94.7	96.5	95.7	0.81	1419.6	1.8	2.0	7.7	82	1243
ME5-355MA-8	132	180	740	258.2	245.3	236.4	94.9	96.7	95.9	0.81	1703.5	1.8	2.0	7.7	90	1892
ME5-355MB-8	160	220	740	308.5	293.1	282.5	95.1	96.9	96.0	0.82	2064.9	1.8	2.0	7.7	90	1980
ME5-355LB-8	200	270	740	384.8	365.6	352.4	95.3	97.1	96.1	0.82	2581.1	1.8	2.0	7.7	90	2145
ME5-400LA-8	250	340	740	493.1	468.4	451.5	95.3	97.1	96.3	0.80	3226.4	1.6	1.8	7.2	95	3135
ME5-400LC-8	315	430	740	621.2	590.2	568.9	95.3	97.1	96.3	0.80	4065.2	1.6	1.8	7.2	98	3520

DIMENSIONS FOOT MOUNT B3



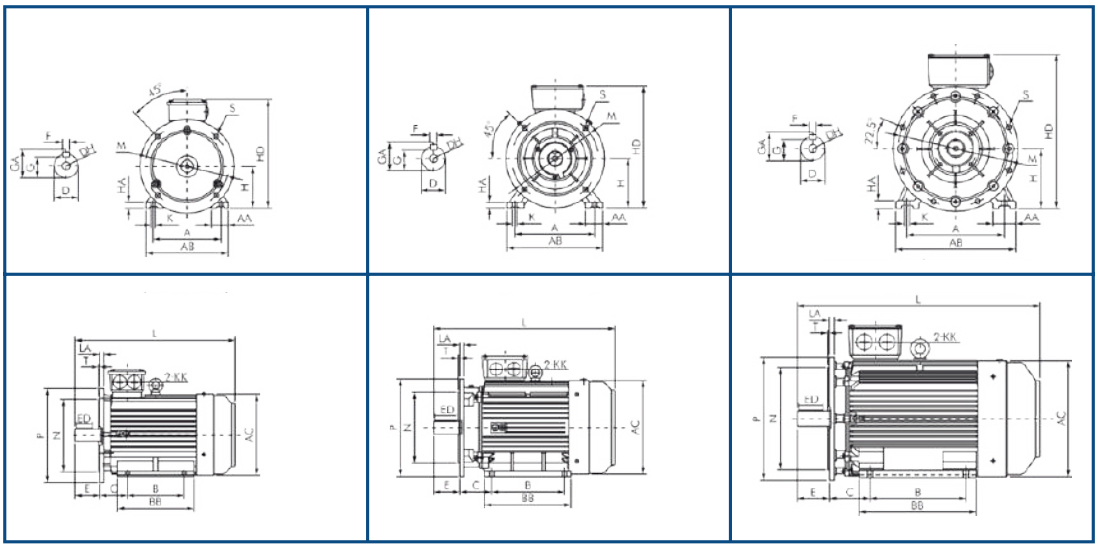
Frame size	A	AA	AB	AC	B	BB	C	D	E	F	G	H	HA	HD	K	L	KK	ED	DH	GA
63	100	-	135	130	80	-	40	11	23	4	8.5	63	-	180	7	230	M20X1.5	20	M4X10	16
71	112	-	150	145	90	-	45	14	30	5	11	71	-	195	7	255	M20X1.5	20	M4X10	16
80	125	34	165	175	100	130	50	19	40	6	15.5	80	10	220	10	295	M25X1.5	25	M6X16	22
90S	140	36	180	195	100	135	56	24	50	8	20	90	12.5	250	10	320	M25X1.5	40	M8X19	27
90L	140	36	180	195	125	160	56	24	50	8	20	90	12.5	250	10	345	M25X1.5	40	M8X19	27
100L	160	40	205	215	140	182	63	28	60	8	24	100	14	270	12	385	M25X1.5	45	M10X22	31
112M	190	45	230	240	140	195	70	28	60	8	24	112	14	300	12	400	M32X1.5	45	M10X22	31
132S	216	52	270	275	140	205	89	38	80	10	33	132	16	345	12	470	M32X1.5	63	M12X28	41
132M	216	52	270	275	178	245	89	38	80	10	33	132	16	345	12	510	M32X1.5	63	M12X28	41
160M	254	65	315	330	210	260	108	42	110	12	37	160	19	400	15	605	M40X1.5	90	M16X36	45
160L	254	65	315	330	254	305	108	42	110	12	37	160	19	400	15	660	M40X1.5	90	M16X36	45
180M	279	74	355	380	241	297	121	48	110	14	43	180	22	440	15	690	M40X1.5	90	M16X36	52
180L	279	74	355	380	279	327	121	48	110	14	43	180	22	440	15	725	M40X1.5	90	M16X36	52
200L	318	75	395	420	305	370	133	55	110	16	49	200	25	500	19	765	M50X1.5	90	M20X42	59
225S(4-8P)	356	75	436	465	286	355	149	60	140	18	53	225	28	555	19	810	M50X1.5	110	M20X42	64
225M(2P)	356	75	436	465	311	380	149	55	110	16	49	225	28	550	19	805	M50X1.5	90	M20X42	59
225M(4-8P)	356	75	436	465	311	380	149	60	140	18	53	225	28	555	19	835	M50X1.5	110	M20X42	64
250M(2P)	406	88	495	520	349	440	168	60	140	18	53	250	33	615	24	910	M63X1.5	110	M20X42	64
250M(4-8P)	406	88	495	520	349	440	168	65	140	18	58	250	33	615	24	910	M63X1.5	110	M20X42	69
280S(2P)	457	103	550	570	368	495	190	65	140	18	58	280	35	660	24	980	M63X1.5	110	M20X42	69
280S(4-8P)	457	103	550	570	368	495	190	75	140	20	68	280	35	660	24	980	M63X1.5	110	M20X42	80
280M(2P)	457	103	550	570	419	535	190	65	140	18	58	280	35	660	24	1030	M63X1.5	110	M20X42	69
280M(4-8P)	457	103	630	570	419	535	190	75	140	20	68	280	35	660	24	1030	M63X1.5	110	M20X42	80
315S(2P)	508	120	630	650	406	515	216	65	140	18	58	315	45	825	28	1180	M63X1.5	110	M20X42	69
315S(4-8P)	508	120	630	650	406	515	216	80	170	22	71	315	45	825	28	1275	M63X1.5	140	M20X42	85
315M(2P)	508	120	630	650	457	625	216	65	140	18	58	315	45	830	28	1290	M63X1.5	110	M20X42	69
315M(4-8P)	508	120	630	650	457	625	216	80	170	22	71	315	45	830	28	1320	M63X1.5	140	M20X42	85
315L(2P)	508	120	630	650	508	625	216	65	140	18	58	315	45	830	28	1290	M63X1.5	110	M20X42	69
315L(4-8P)	508	120	630	650	508	625	216	80	170	22	71	315	45	830	28	1320	M63X1.5	140	M20X42	85
355M(2P)	610	125	735	735	560	775	254	75	140	20	68	355	49	1010	28	1510	M63X1.5	110	M24X50	80
355M(4-8P)	610	125	735	735	560	775	254	95	170	25	86	355	49	1010	28	1540	M63X1.5	140	M24X50	100
355L(2P)	610	125	735	735	630	775	254	75	140	20	68	355	49	1010	28	1510	M63X1.5	110	M24X50	80
355L(4-8P)	610	125	735	735	630	775	254	95	170	25	86	355	49	1010	28	1540	M63X1.5	140	M24X50	100

DIMENSIONS FLANGE MOUNT B5



Frame size	AC	AD	D	E	F	G	L	LA	M	N	P	S	T	KK	ED	DH	GA
63	130	70.0	11	23	4	9	230	0	115	95	140	10	3.0	M20X1.5	20	M4X10	16
71	145	80	14	30	5	11	255	0	130	110	160	10	3.0	M20X1.5	20	M4X10	16
80	175	145	19	40	6	16	295	12	165	130	200	12	4	M25X1.5	25	M6X16	22
90S	195	155	24	50	8	20	320	12	165	130	200	12	3.5	M25X1.5	40	M8X19	27
90L	195	155	24	50	8	20	345	12	165	130	200	12	3.5	M25X1.5	40	M8X19	27
100L	215	180	28	60	8	24	385	14	215	180	250	15	4	M25X1.5	45	M10X22	31
112M	240	190	28	60	8	24	400	14	215	180	250	15	4	M32X1.5	45	M10X22	31
132S	275	210	38	80	10	33	470	14	265	230	300	15	4	M32X1.5	63	M12X28	41
132M	275	210	38	80	10	33	510	14	265	230	300	15	4	M21X1.5	63	M12X28	41
160M	330	225	42	110	12	37	605	15	300	250	350	19	5	M40X1.5	90	M16X36	45
160L	330	225	42	110	12	37	660	15	300	250	350	19	5	M40X1.5	90	M16X36	45
180M	380	280	48	110	14	43	690	15	300	250	350	19	5	M40X1.5	90	M16X36	52
180L	380	280	48	110	14	43	725	15	300	250	350	19	5	M40X1.5	90	M16X36	52
200L	420	305	55	110	16	49	765	17	350	300	400	19	5	M50X1.5	90	M20X42	59
225S(4-8P)	465	335	60	140	18	53	810	20	400	350	450	19	5	M50X1.5	110	M20X42	64
225M(2P)	465	335	55	110	16	49	805	20	400	350	450	19	5	M50X1.5	90	M20X42	59
225M(4-8P)	465	335	60	140	18	53	835	20	400	350	450	19	5	M50X1.5	110	M20X42	64
250M(2P)	520	370	60	140	18	53	910	20	500	450	550	19	5	M63X1.5	110	M20X42	64
250M(4-8P)	520	370	65	140	18	58	910	20	500	450	550	19	5	M63X1.5	110	M20X42	69
280S(2P)	570	410	65	140	18	58	980	22	500	450	550	19	5	M63X1.5	110	M20X42	69
280S(4-8P)	570	410	75	140	20	68	980	22	500	450	550	19	5	M63X1.5	110	M20X42	80
280M(2P)	570	410	65	140	18	58	1030	22	500	450	550	19	5	M63X1.5	110	M20X42	69
280M(4-8P)	570	410	75	140	20	68	1030	22	500	450	550	19	5	M63X1.5	110	M20X42	80
315S(2P)	650	630	65	140	18	58	1180	24	600	550	660	24	6	M63X1.5	110	M20X42	69
315S(4-8P)	650	630	80	170	22	71	1275	24	600	550	660	24	6	M63X1.5	140	M20X42	85
315M(2P)	650	630	65	140	18	58	1290	24	600	550	660	24	6	M63X1.5	110	M20X42	69
315M(4-8P)	650	630	80	170	22	71	1320	24	600	550	660	24	6	M63X1.5	140	M20X42	85
315L(2P)	650	630	65	140	18	58	1290	24	600	550	660	24	6	M63X1.5	110	M20X42	69
315L(4-8P)	650	630	80	170	22	71	1320	24	600	550	660	24	6	M63X1.5	140	M20X42	85
355M(2P)	735	655	75	140	20	68	1510	25	740	680	800	24	6	M63X1.5	110	M24X50	80
355M(4-8P)	735	655	95	170	25	86	1540	25	740	680	800	24	6	M63X1.5	140	M24X50	100
355L(2P)	735	655	75	140	20	68	1510	25	740	680	800	24	6	M63X1.5	110	M24X50	80
355L(4-8P)	735	655	95	170	25	86	1540	25	740	680	800	24	6	M63X1.5	140	M24X50	100

DIMENSIONS FLANGE MOUNT B35



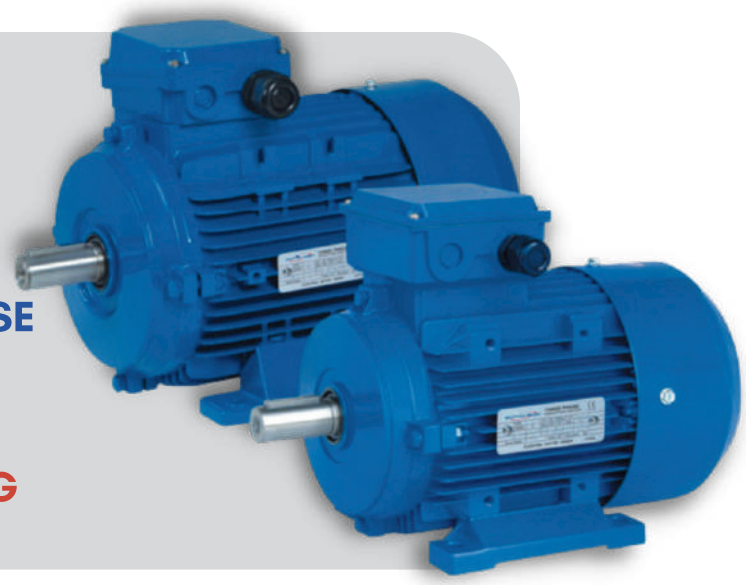
Frame size	A	AA	AB	AC	B	BB	C	D	E	F	G	H	HA	HD	K	L	LA	M	N	P	S	T	KK	ED	DH	GA
63	100	0.0	135	130	80	0	40	11	23	4	8.5	63	0.0	180	7	230	0	115	95	140	10	3	M20X1.5	20	M4X10	16
71	112	0	150	145	90	0	45	14	30	5	11	71	0.0	195	7	255	0	130	110	160	10	3	M20X1.5	20	M4X10	16
80	125	34	165	175	100	130	50	19	40	6	15.5	80	10	220	10	295	12	165	130	200	12	4	M25X1.5	25	M6X16	22
90S	140	36	180	195	100	135	56	24	50	8	20	90	12.5	250	10	320	12	165	130	200	12	4	M25X1.5	40	M8X19	27
90L	140	36	180	195	125	160	56	24	50	8	20	90	12.5	250	10	345	12	165	130	200	12	4	M25X1.5	40	M8X19	27
100L	160	40	205	215	140	182	63	28	60	8	24	100	14	270	12	385	14	215	180	250	15	4	M25X1.5	45	M10X22	31
112M	190	45	230	240	140	195	70	28	60	8	24	112	14	300	12	400	14	215	180	250	15	4	M32X1.5	45	M10X22	31
132S	216	52	270	275	140	205	89	38	80	10	33	132	16	345	12	470	14	265	230	300	15	4	M32X1.5	63	M12X28	41
132M	216	52	270	275	178	245	89	38	80	10	33	132	16	345	12	510	14	265	230	300	15	4	M21X1.5	63	M12X28	41
160M	254	65	315	330	210	260	108	42	110	12	37	160	19	400	15	605	15	300	250	350	19	5	M40X1.5	90	M16X36	45
160L	254	65	315	330	254	305	108	42	110	12	37	160	19	400	15	660	15	300	250	350	19	5	M40X1.5	90	M16X36	45
180M	279	74	355	380	241	297	121	48	110	14	43	180	22	440	15	690	15	300	250	350	19	5	M40X1.5	90	M16X36	52
180L	279	74	355	380	279	327	121	48	110	14	43	180	22	440	15	725	15	300	250	350	19	5	M40X1.5	90	M16X36	52
200L	318	75	395	420	305	370	133	55	110	16	49	200	25	500	19	765	17	350	300	400	19	5	M50X1.5	90	M20X42	59
225S(4-8P)	356	75	436	465	286	355	149	60	140	18	53	225	28	555	19	810	20	400	350	450	19	5	M50X1.5	110	M20X42	64
225M(2P)	356	75	436	465	311	380	149	55	110	16	49	225	28	550	19	805	20	400	350	450	19	5	M50X1.5	90	M20X42	59
225M(4-8P)	356	75	436	465	311	380	149	60	140	18	53	225	28	555	19	835	20	400	350	450	19	5	M50X1.5	110	M20X42	64
250M(2P)	406	88	495	520	349	440	168	60	140	18	53	250	33	615	24	910	20	500	450	550	19	5	M63X1.5	110	M20X42	64
250M(4-8P)	406	88	495	520	349	440	168	65	140	18	58	250	33	615	24	910	20	500	450	550	19	5	M63X1.5	110	M20X42	69
280S(2P)	457	103	550	570	368	495	190	65	140	18	58	280	35	660	24	980	22	500	450	550	19	5	M63X1.5	110	M20X42	69
280S(4-8P)	457	103	550	570	368	495	190	75	140	20	68	280	35	660	24	980	22	500	450	550	19	5	M63X1.5	110	M20X42	80
280M(2P)	457	103	550	570	419	535	190	65	140	18	58	280	35	660	24	1030	22	500	450	550	19	5	M63X1.5	110	M20X42	69
280M(4-8P)	457	103	550	570	419	535	190	75	140	20	68	280	35	660	24	1030	22	500	450	550	19	5	M63X1.5	110	M20X42	80
315S(2P)	508	120	630	650	406	515	216	65	140	18	58	315	45	825	28	1180	24	600	550	660	24	6	M63X1.5	110	M20X42	69
315S(4-8P)	508	120	630	650	406	515	216	80	170	22	71	315	45	825	28	1275	24	600	550	660	24	6	M63X1.5	140	M20X42	85
315M(2P)	508	120	630	650	457	625	216	65	140	18	58	315	45	830	28	1290	24	600	550	660	24	6	M63X1.5	110	M20X42	69
315M(4-8P)	508	120	630	650	457	625	216	80	170	22	71	315	45	830	28	1320	24	600	550	660	24	6	M63X1.5	140	M20X42	85
315L(2P)	508	120	630	650	508	625	216	65	140	18	58	315	45	830	28	1290	24	600	550	660	24	6	M63X1.5	110	M20X42	69
315L(4-8P)	508	120	630	650	508	625	216	80	170	22	71	315	45	830	28	1320	24	600	550	660	24	6	M63X1.5	140	M20X42	85
355M(2P)	610	125	735	735	560	775	254	75	140	20	68	355	49	1010	28	1510	25	740	680	800	24	6	M63X1.5	110	M24X50	80
355M(4-8P)	610	125	735	735	560	775	254	95	170	25	86	355	49	1010	28	1540	25	740	680	800	24	6	M63X1.5	140	M24X50	100
355L(2P)	610	125	735	735	630	775	254	75	140	20	68	355	49	1010	28	1510	25	740	680	800	24	6	M63X1.5	110	M24X50	80
355L(4-8P)	610	125	735	735	630	775	254	95	170	25	86	355	49	1010	28	1540	25	740	680	800	24	6	M63X1.5	140	M24X50	100

DATA PERFORMANCE

MEA

SERIES THREE - PHRASE ASYNCHRONOUS MOTOR

ALUMINIUM HOUSING



INDUCTION MOTORS

- Conform to IEC standard
- Made with carefully selected quality materials with the latest design in mind
- High performance, low noise, low vibration, safe and reliable operation
- Light weight with the latest design
- Easy maintenance with simple construction
- For all general-purpose drive and industry

TECHNICAL DATA IE1 MOTOR - 2 POLES - 50HZ (ALUMINIUM)

Type	Rate Output		Full Load						Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency	Power factor						
	KW	HP	RPM	380V	400V	415V	η %	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME63MA-2	0.18	0.25	2780	20.05	19.05	18.36	52.8	0.8	0.62	2.2	2.3	5.0	61	4.63
ME63MB-2	0.25	0.37	2780	20.08	19.07	18.38	58.2	0.81	0.86	2.2	2.3	5.0	61	4.93
ME71MA-2	0.37	0.5	2800	20.28	19.27	18.57	63.9	0.81	1.26	2.2	2.3	5.5	64	5.56
ME71MB-2	0.55	0.75	2800	20.20	19.19	18.5	69.0	0.83	1.88	2.2	2.3	5.5	64	6.25
ME80MA-2	0.75	1	2825	20.39	19.37	18.67	72.1	0.83	2.54	2.2	2.3	6.1	67	8.32
ME80MB-2	1.1	1.5	2825	20.42	19.4	18.7	75.0	0.84	3.72	2.2	2.3	7.0	67	9.16
ME90S-2	1.5	2	2840	20.55	19.53	18.82	77.2	0.84	5.04	2.2	2.3	7.0	72	12.21
ME90L-2	2.2	3	2840	20.53	19.51	18.8	79.7	0.85	7.4	2.2	2.3	7.0	72	14.99
ME100L-2	3	4	2870	20.76	19.72	19.01	81.5	0.87	9.98	2.2	2.3	7.5	76	20.1
ME112M-2	4	5.5	2880	20.77	19.73	19.02	83.1	0.88	13.3	2.2	2.3	7.5	77	24.5
ME132SA-2	5.5	7.5	2900	20.99	19.94	19.22	84.7	0.88	18.1	2.2	2.3	7.5	80	38.1
ME132SB-2	7.5	10	2900	20.97	19.92	19.2	86	0.88	24.7	2.2	2.3	7.5	80	40.8

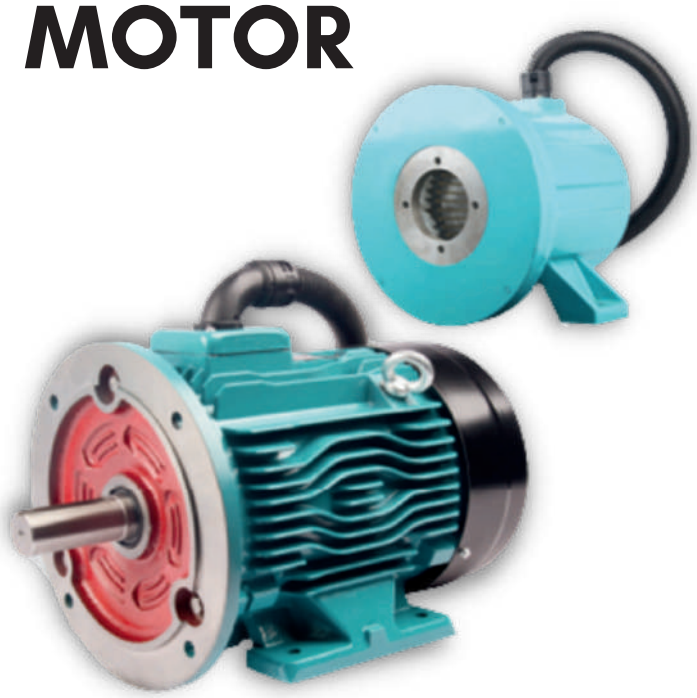
TECHNICAL DATA IE1 MOTOR - 4 POLES - 50HZ (ALUMINIUM)

Type	Rate Output		Full Load						Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency	Power factor						
	KW	HP	RPM	380V	400V	415V	η %	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME63MB-4	0.18	0.25	1350	10.77	10.23	9.86	57.0	0.73	1.27	2.0	2.2	4.0	52	4.41
ME71MA-4	0.25	0.37	1380	10.98	10.43	10.05	61.5	0.74	1.73	2.0	2.2	4.0	55	4.92
ME71MB-4	0.37	0.5	1380	10.98	10.43	10.05	66.0	0.75	2.56	2.0	2.2	4.0	55	5.74
ME80MA-4	0.55	0.75	1390	9.21	8.75	8.43	70.0	0.75	3.78	2.4	2.3	5.2	58	8.35
ME80MB-4	0.75	1	1390	9.62	9.14	8.81	72.1	0.76	5.15	2.3	2.3	6.0	58	9.46
ME90S-4	1.1	1.5	1400	9.69	9.2	8.87	75.0	0.77	7.50	2.3	2.3	6.0	61	11.4
ME90L-4	1.5	2	1400	9.71	9.23	8.90	77.2	0.79	10.2	2.3	2.3	6.0	61	14.31
ME100LA-4	2.2	3	1420	9.82	9.33	8.99	79.7	0.81	14.8	2.3	2.3	7.0	64	19.1
ME100LB-4	3	4	1420	9.81	9.32	8.98	81.5	0.82	20.2	2.3	2.3	7.0	64	22.6
ME112M-4	4	5.5	1440	9.97	9.47	9.13	83.1	0.82	26.5	2.3	2.3	7.0	65	28.5
ME132S-4	5.5	7.5	1440	10.0	9.5	9.1	84.7	0.83	36.5	2.3	2.3	7.0	71	39.4
ME132M-4	7.5	10	1440	10.0	9.5	9.1	86.0	0.84	49.7	2.3	2.3	7.0	71	49.2

TECHNICAL DATA IE1 MOTOR - 6 POLES - 50HZ (ALUMINIUM)

Type	Rate Output		Full Load						Rate Torque (Tn)	Locked-motor torque / Rate Torque	Maximum torque / Rate Torque	Start Current / Rate Current	Noise	Weight
			Speed	Input Current (A)			Efficiency	Power factor						
	KW	HP	RPM	380V	400V	415V	η %	Cost Φ	N.m	Tst/Tn	Tmax/Tn	Ist/In	dB(A)	Kg
ME71MB-6	0.25	0.37	860	7.19	6.83	6.58	52.1	0.68	2.78	1.9	2.1	4.0	52	6.7
ME80MA-6	0.37	0.5	900	7.53	7.15	6.89	59.7	0.70	3.93	1.9	2.0	4.7	54	7.85
ME80MB-6	0.55	0.75	900	7.53	7.15	6.9	65.8	0.72	5.84	1.9	2.1	4.7	54	9.1
ME90S-6	0.75	1	910	7.24	6.88	6.63	70.0	0.72	7.87	2.0	2.1	5.5	57	14.3
ME90L-6	1.1	1.5	910	7.24	6.88	6.63	72.9	0.73	11.5	2.0	2.1	5.5	57	14.8
ME100L-6	1.5	2	930	7.4	7.03	6.78	75.2	0.75	15.4	2.0	2.1	5.5	61	19.75
ME112M-6	2.2	3	940	7.48	7.1	6.85	77.7	0.76	22.4	2.0	2.1	6.5	65	27.3
ME132S-6	3	4	960	7.27	6.91	6.66	79.7	0.76	29.9	2.1	2.1	6.5	69	33.5
ME132MA-6	4	5.5	960	7.27	6.91	6.66	81.4	0.76	39.8	2.1	2.1	6.5	69	41.3
ME132MB-6	5.5	7.5	960	7.3	6.9	6.7	83.1	0.77	54.7	2.1	2.1	6.5	69	47.1
ME160M-6	7.5	10	970	7.7	7.3	7.1	84.7	0.77	73.9	2.0	2.1	6.5	73	53.3

PERMANENT MAGNET SYNCHRONOUS MOTOR



- FPM/FYPM series motor is one kind of full closed rare earth permanent magnet synchronous motor by our development. Based on the NdFeB permanent magnet, and special rotor structure design, the motor has high overload capacity, high efficiency, high power factor, stable operation and simple maintenance, strong interchangeability, and other characteristics. It concentrates on the advantages of both asynchronous motor and general synchronous motor. The installation method conforms to the IEC standard which is an ideal product for export or substitution of import as its international generality.
- FPM/FYPM series motor has the feature of super energy saving, the motor tracks the load power and keeps high efficiency when the equipment is in part load which achieves energy saving. It runs efficiently when the load is running at full load. Compared with the ordinary variable frequency motor, the speed regulation range is wider and the energy-saving performance is more outstanding. It maintains high efficiency at low-speed operating which conforms to GB 30253-2013 Class I energy efficiency standard for variable frequency permanent magnet motor which far exceeds IE4 efficiency.
- FPM/FYPM series motor has a wide range of applications, such as elevators, fans, pumps, belt machines, machine tools, textile machinery, electric vehicles, air compressors, etc. It can be widely used in petroleum, chemical, electric power, transportation, textile and other industries.

FPM / OPTIONS

- Ambient Temperature: -15°C-40°C
- Altitude: up to 1000 meters
- Rated Power: 2.2kW-400KW
- Frame Size: H100-H355
- Frame Material: Cast Iron
- Rated Voltage: 220V-1140V
- Rated Frequency: 5-200Hz
- Speed: 0-3000 RPM
- Ingress Protection: IP54/IP55/IP56/IP65/IP66
- Insulation Class: F/H
- Work Duty: S1-S6

FYPM / OPTIONS

- Ambient Temperature: -15°C-40°C
- Altitude: up to 1000 meters
- Rated Power:5.5kW-45KW
- Frame Size: H112-H180
- Frame Material: Cast Iron
- Rated Voltage: 220V-1140V
- Rated Frequency: 5-200Hz
- Speed: 0-3000 RPM
- Ingress Protection: IP23
- Insulation Class: F/H
- Work Duty: S1-S6

THREE-PHASE ASYNCHRONOUS MOTORS

CLASS H MOTORS

The Class H series of three-phase asynchronous motors are designed with a Totally Enclosed Fan Cooled (TEFC) construction and are available in both cast iron and aluminum housing. These motors are an enhancement over our standard induction motors and share the same technical data.They are specifically designed to meet the High Temperature Resistance requirements and can endure an ambient temperature of up to 85 °C and an internal winding temperature of up to 300 °C for up to 2 hours. This is achieved through the use of higher temperature safety margins and enhancements made to our internal winding, among other things.

Test Report No. 7191121367-MEC15/2-SYC
dated 10 Sept 2015

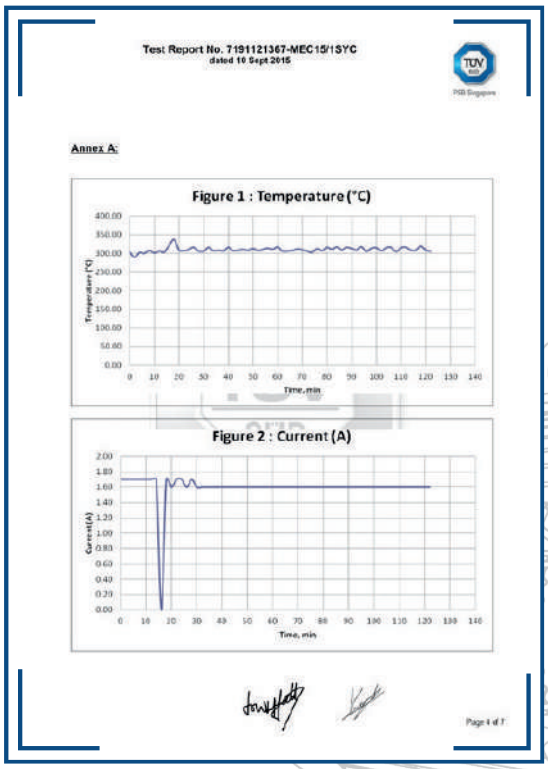
SUBJECT:
High Temperature Test – ME Motor (ME90)

TESTED FOR:
Motology Electric Pte Ltd
6A, Tuas Avenue 12
Singapore 639027

Attn: Ms Annie Chew

DATE OF TEST:
31 August 2015

PURPOSE OF TEST:
To determine the motor ability to perform at elevated temperature of 300°C for 2hours, adopting BS EN 12101-3 : 2002 : Smoke and heat control systems - Part 3: Specification for powered smoke and heat exhaust ventilators and to classify the ventilator Temperature Classification.



Test Report No. 7191121367-MEC15/1SYC
dated 10 Sept 2015

Annex A:

Figure 1 : Temperature (°C)

Figure 2 : Current (A)

DUAL SPEED MOTORS

THREE-PHASE ASYNCHRONOUS MOTORS

The Dual Speed series of three-phase asynchronous motors are available in cast iron and aluminium housing and are Totally Enclosed Fan Cooled (TEFC).
These motors have the ability to operate at various power outputs and speeds, offering a wide range of options. They use unique winding technology to ensure dependable performance, easy maintenance, and professional appearance, while producing minimal noiseand vibration. These motors are commonly used in the fan and pump industry.

TENV MOTORS

THREE-PHASE ASYNCHRONOUS MOTORS

The TENV series comprises of three-phase asynchronous motors that are Totally Enclosed Fan Cooled (TEFC).
They are available in both cast iron and aluminum housing. These motors are a modified version of our standard induction motors and share the same technical data. TENV motors do not come with a fan blade and fan cover but include a 1-meter wire extension with a detached T-box as standard issue. These motors are suitable for fan duty applications.

INVERTER MOTORS

THREE-PHASE ASYNCHRONOUS MOTORS

The Inverter Duty Series of motors come in cast iron and aluminum housing and are Totally Enclosed Fan Cooled (TEFC).
These motors are an improvement of our standard induction motors and have the same technical specifications. Inverter duty motors can be used with any VFD/VSD brand and can operate continuously at frequencies ranging from 5Hz to 100Hz. They also come with a Force Cooling Fan, longer rotor and stator, and reinforced corona resistance as standard features.

DATA PERFORMANCE

MEY

SERIES SINGLE - PHASE CAPACITOR RUN ASYNCHRONOUS MOTORS

ALUMINIUM HOUSING

TECHNICAL DATA SINGLE PHASE MOTOR SINGLE CAPACITOR

Type	Rate Output		Voltage	Current (A)	Speed (RPM)	Efficiency η %	Power factor (Cost Φ)	TIst (A)	Tst/Tn	Tmax/Tn	Net Weight (Kg)
	KW	HP									
MEY63A-2	0.18	0.25	230	1.31	2800	65	0.92	5	0.4	1.7	4.2
MEY63B-2	0.25	0.37	230	1.79	2800	66	0.92	7	0.4	1.7	4.5
MEY71A-2	0.37	0.5	230	2.61	2800	67	0.92	10	0.4	1.7	5.7
MEY71B-2	0.55	0.75	230	3.71	2800	70	0.92	15	0.4	1.7	6.7
MEY80A-2	0.75	1	230	4.93	2800	72	0.92	20	0.3	1.7	9.3
MEY80B-2	1.1	1.5	230	6.71	2800	75	0.95	30	0.3	1.7	10.6
MEY90S-2	1.5	2	230	9.03	2800	76	0.95	40	0.3	1.7	13
MEY90L-2	2.2	3	230	13.08	2800	77	0.95	65	0.3	1.7	16
MEY100L-2	3	4	230	17.8	2800	79	0.95	92	0.3	1.7	25
MEY63B-4	0.18	0.25	230	1.33	1400	59	0.9	5	0.4	1.7	4.5
MEY71A-4	0.25	0.37	230	1.93	1400	61	0.92	7	0.4	1.7	5.5
MEY71B-4	0.37	0.5	230	2.82	1400	62	0.92	10	0.4	1.7	6.5
MEY80A-4	0.55	0.75	230	4.07	1400	64	0.92	15	0.4	1.7	9.1
MEY80B-4	0.75	1	230	5.2	1400	68	0.92	20	0.3	1.7	10.4
MEY90S-4	1.1	1.5	230	7.13	1400	71	0.95	30	0.3	1.7	13
MEY90L-4	1.5	2	230	9.4	1400	73	0.95	40	0.3	1.7	16
MEY100LA-4	2.2	3	230	13.6	1400	76	0.95	65	0.3	1.7	22
MEY100LB-4	3	4	230	18.0	1400	77	0.95	88	0.3	1.7	29

DATA PERFORMANCE

MEL

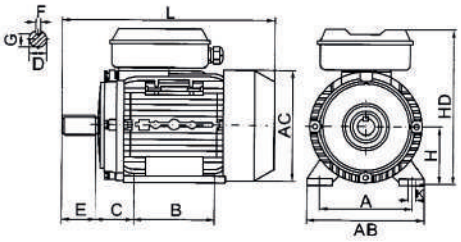
SERIES SINGLE - PHASE DUAL - CAPACITOR ASYNCHRONOUS MOTORS

ALUMINIUM HOUSING

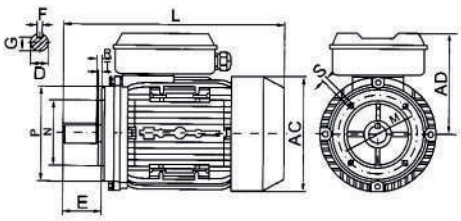
TECHNICAL DATA SINGLE PHASE MOTOR DUAL CAPACITOR

Type	Rate Output		Voltage	Current (A)	Speed (RPM)	Efficiency η %	Power factor (Cost Φ)	TIst (A)	Tst/Tn	Tmax/Tn	Net Weight (Kg)
	KW	HP									
MEL63A-2	0.18	0.25	230	1.43	2800	60	0.92	7	1.8	1.8	3.9
MEL63B-2	0.25	0.37	230	1.91	2800	63	0.92	10	1.8	1.8	4.3
MEL71A-2	0.37	0.5	230	2.73	2800	67	0.92	16	2.3	1.8	5.8
MEL71B-2	0.55	0.75	230	3.4	2800	73	0.95	21	2.5	1.8	6.8
MEL80A-2	0.75	1	230	4.7	2800	73	0.95	30	2.5	1.8	9.6
MEL80B-2	1.1	1.5	230	7.02	2800	75	0.95	40	2.5	1.8	11.3
MEL90S-2	1.5	2	230	9.44	2800	76	0.95	55	2.5	1.8	13
MEL90L-2	2.2	3	230	13.67	2800	77	0.95	70	2.5	1.8	16
MEL100L-2	3	4	230	18.2	2800	79	0.95	100	2.2	1.8	26
MEL112M-2	4	5.5	230	22.5	2800	78	0.95	120	1.8	1.8	36
MEL63B-4	0.18	0.25	230	1.43	1400	56	0.9	8	1.8	1.8	4.9
MEL71A-4	0.25	0.37	230	1.99	1400	62	0.92	12	2.5	1.8	5.8
MEL71B-4	0.37	0.5	230	2.81	1400	65	0.92	16	2.5	1.8	6.8
MEL80A-4	0.55	0.75	230	3.6	1400	69	0.92	21	2.5	1.8	9.1
MEL80B-4	0.75	1	230	5.2	1400	71	0.95	25	2.5	1.8	10.4
MEL90S-4	1.1	1.5	230	6.9	1400	72	0.95	40	2.5	1.8	13
MEL90L-4	1.5	2	230	9.3	1400	74	0.95	50	2.5	1.8	16
MEL100LA-4	2.2	3	230	13.9	1400	76	0.95	80	2.5	1.8	26
MEL100LB-4	3	4	230	17.6	1400	78	0.95	100	2.5	1.8	31
MEL112M-4	4	5.5	230	22.0	1400	79	0.95	130	2.5	1.8	35

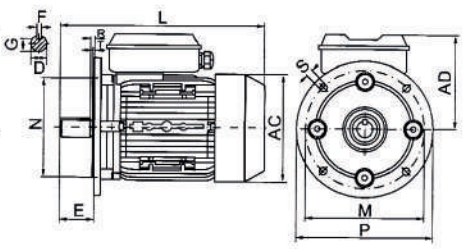
IMB3



IMB14



IMB5



INSTALLATION SIZE AND OVERALL DIMENSION

FRAME SIZE	Mounting Dimension (mm)																					Frame Dimension (mm)				
	IMB3									IMB14						IMB5										
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	125	210	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	165	130	200	0	12	3.5	160	165	135	240	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	270	335
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	270	360
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	205	215	170	280	380

DATA PERFORMANCE

MEB

SERIES THREE PHASE SYNCHRONOUS BRAKING MOTOR

ALUMINIUM HOUSING

FEATURE

High efficiency, energy saving and strong braking force.
Suitable for any machines that require frequent braking.
Reliable, safe and low noise with easy maintenance as the brake can be manually operated

CONDITION

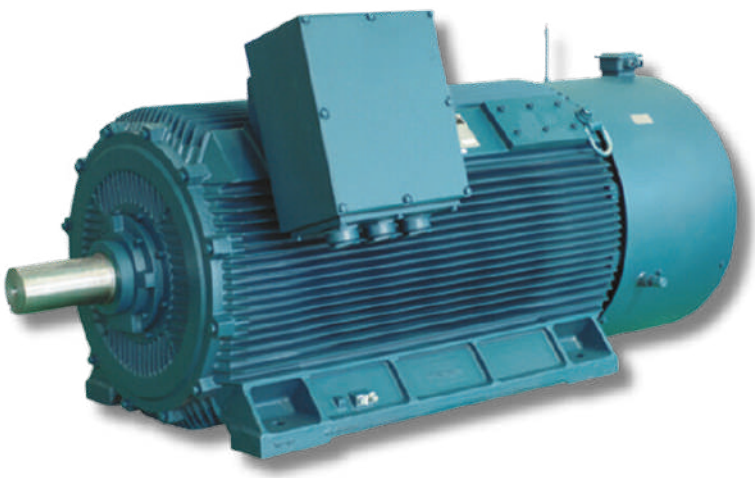
- Altitude: Above seal level, not exceeding 1000m.
- Ambient temperature: it varies with seasons but not exceeding +40

SLIP RING MOTORS

THREE-PHASE ASYNCHRONOUS MOTORS

CAST IRON HOUSING

The Slip Ring range of three-phase asynchronous motors is ideal for meeting the specific needs of clients who require high torque motors.
These motors are exclusively housed in cast iron due to their heavy duty nature and well-designed exterior, while also conforming to all IEC standards. Our in-house designed slip ring device, featuring carbon brushes made from high-quality materials and adhering to European motor winding standards and technology, is included with every slip ring motor. These motors are suitable for use in all heavy-duty industries.

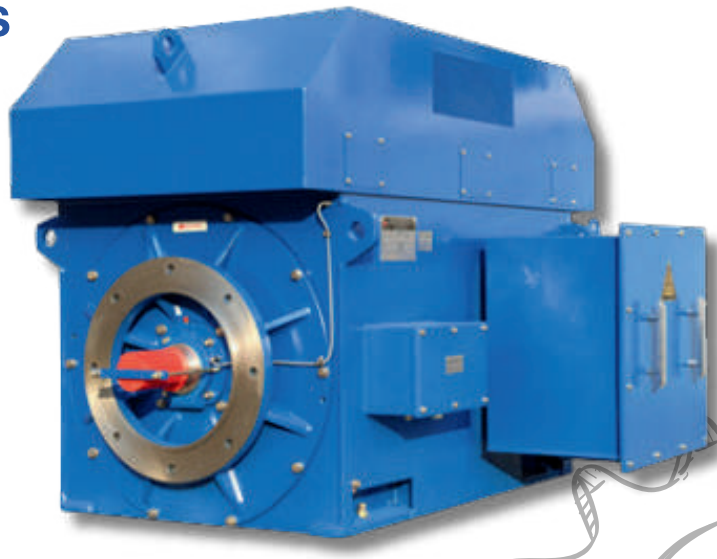


HIGH VOLTAGE MOTORS

THREE-PHASE ASYNCHRONOUS MOTORS

CAST IRON HOUSING

Industries that require the movement of heavy loads or complex applications often use high voltage motors. These motors are a part of our extensive range of reliable and efficient industrial motors, suitable for use in cement plants, pump systems, mines, chemical, oil and gas industries, plant manufacturers and other users worldwide. Motology produces medium to high voltage asynchronous motors with nominal voltages ranging from 3,000V to 10,000V.



We offer various electrical and mechanical designs, as well as different types of protection and cooling options. Our motors are designed for both mains and inverter operation and comply with the current standards EN60034, IEC60034, and ISO

NEMA MOTORS

THREE-PHASE ASYNCHRONOUS MOTORS

CAST IRON HOUSING

NEMA EPACT and Premium Efficiency 3-Phase Motors are available in cast iron TEFC and ODP styles, ranging from 1HP to 250HP and in frame sizes 143T through 449T. Customers can choose from a service factor of 1.15 or 1.25, and NEMA Design B or C options. These motors are commonly used in applications such as pumps, compressors, and fan industries, as well as in energy-saving applications, conveyor systems, gear reducers, and applications that require Design C torque

MODEL DATA

FEATURE

- 208-230/460 v/60hz or 575v/60hz nema service fact or 1.15/1.25
- Continuous duty 40°C ambie
- Teff (totally enclosed fancooled)
- Class finsulation with classb temprise
- Cast iron frames
- Nema design borc
- Ball bearings
- Ip55 protection
- Up to 455t available with integral or removable feet

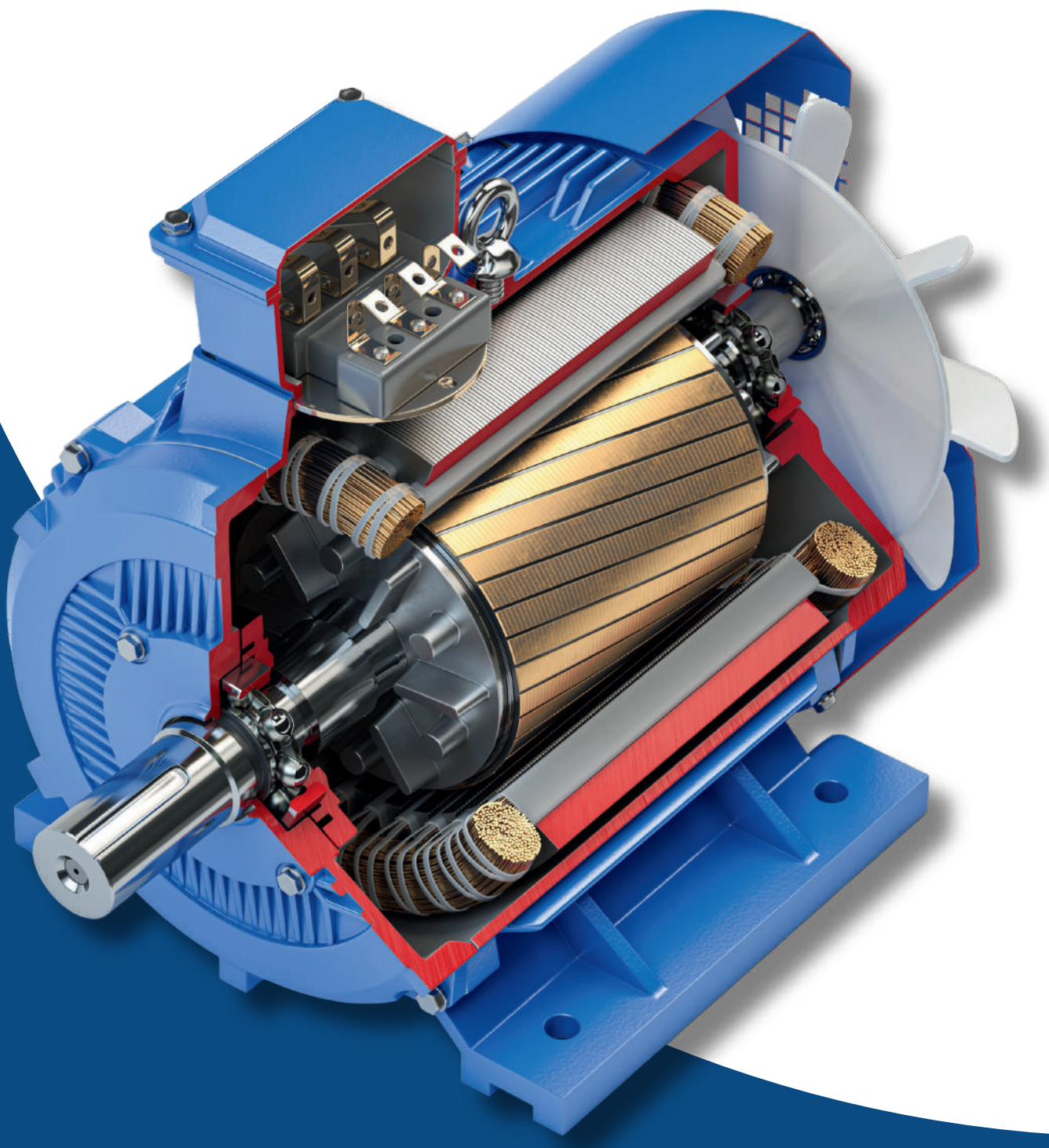
EXPLOSION PROOF MOTORS

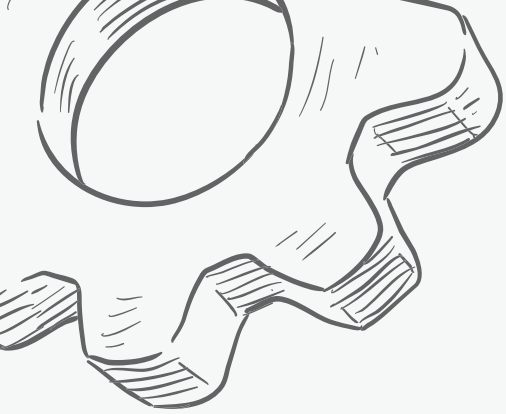
THREE-PHASE ASYNCHRONOUS MOTORS

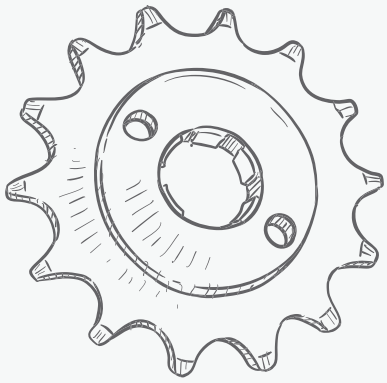
CAST IRON HOUSING

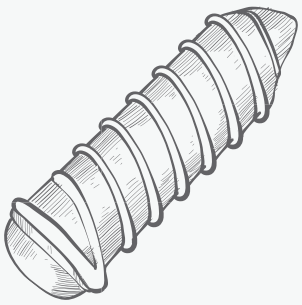
The Explosion-proof Motor Series is manufactured according to international IEC standards and conforms to the international
ATEX certificate for all frame sizes and many different ex-proof requirements. This series of motors is designed to conform to the standards of Exd IIA T4, Exd IIB T4, Exd IIC T4 and Exn non-sparking motor.

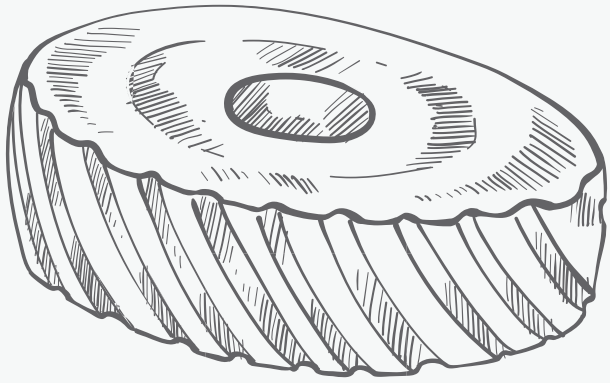
MOTOLOGY

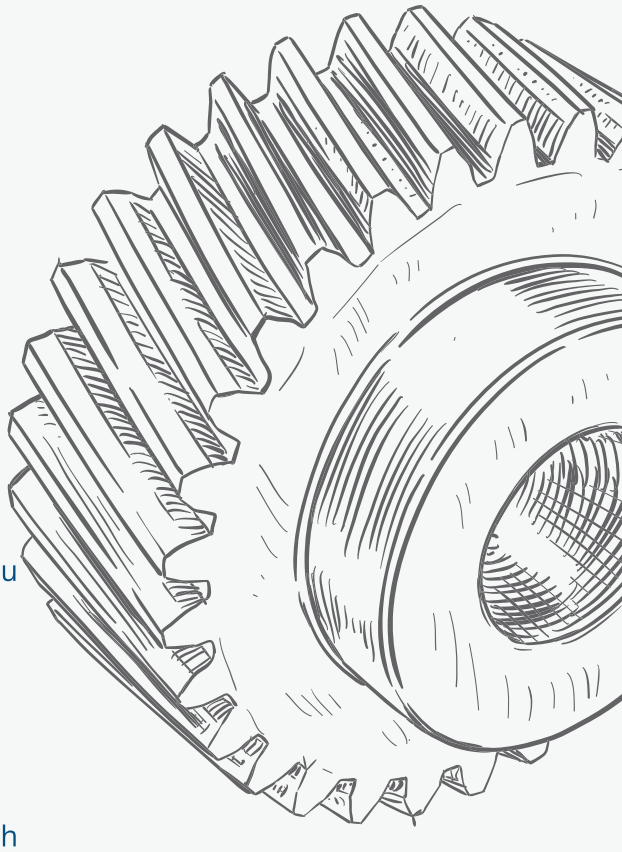












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