

KC Series

IE1/IE2/IE3

Three Phase AC Induction motor
(Dual Speed)





Why KRUGER ?

KRUGER has been a leading innovator and manufacturer of residential, commercial and industrial fan application solutions across Asia since 1985. Today with a direct presence in over 18 regions throughout Asia; world class R&D and manufacturing facilities; KRUGER are able to offer their customers unparalleled service and support at a local level. Our customers place their trust in KRUGER.

Why use a KRUGER KC Motor Series?

The KRUGER KC Series motors are premium-grade three-phase TEFC squirrel-cage induction motors designed for high reliability, robust performance, and global compliance.

With efficiency classes ranging from IE1 to IE3, the KC Series delivers optimal operating efficiency for HVAC, industrial, and general-purpose applications.

Developed through extensive benchmarking against leading global motor brands, the KC Series combines high electrical performance, superior mechanical durability, and flexible customization options.



Efficiency Class	Target Application	Benefit
IE1 – Standard	Cost-sensitive segments	Basic energy performance
IE2 – High Efficiency	General industries	Lower lifecycle cost
IE3 – Premium Efficiency	Global industrial standard	Best balance of cost & efficiency

Specifications

Description	Standard Specifications	Option and Remark
Type of Motor	Squirrel cage induction motor	-
Design standard	IEC 60034, IEC 60038, IEC 60032	NEMA MG-1
Efficiency	IE1 - IE3	Efficiency, Premium efficiency
Frame size	71 - 315	143T - 449T
Enclosure	IP55	IP56, IP65
Voltage and Frequency	For 2.2kW and below: 220-240V / 380-415V, 60Hz For 3.0kW and above: 380-415V / 660-720V, 60Hz	Other voltages/frequency such as 200V, 346V, 440V, 460V & 50Hz etc. can be supplied on request
Power source conditions	± 5% of Rated voltage	-
Time duty	Continuous duty (S1)	Short-time duty (S2)
Method of starting	Direct on line starting or Star-delta starting	Inverter duty application
Direction of rotation	CW / CCW	Direction of rotation of motor can be reversed by interchanging any two phases
Insulation and Temperature rise Environmental conditions	Class F insulation and Class B temperature rise for Normal operating temperature motor - Ambient temperature: -20°C to 40°C - Place: Shadow, Non-hazardous - Relative humidity: Less than 90%RH (non-condensation) - Altitude: Less than 1000 meters	Class H insulation and Class B temperature rise for Smoke extraction motor. Designed and tested in accordance with EN 12101-3 standards - F250: 250°C for 120 minutes - F300: 300°C for 120 minutes - F400: 400°C for 120 minutes
Lubrication	Class F : Lithium-base grease	Class H : Heat resistance silicon thickened grease
Rotor winding	Squirrel cage, aluminium conductor with end-ring and wafer blades integrally cast	-
Cooling method	IC411, Totally-enclosed fan-cooled (TEFC)	IC410: Totally Enclosed Non-Ventilated (TENV) IC418: Totally Enclosed Air Over (TEAO)
Mounting	Foot Mount (B3)	Flange Mount (B5), Foot & Flange Mount (B35), Face Mount (B14)
Shaft	Carbon steel, round shaft with key	-
Bearing	-Motors of frame size 160 and below are fitted with life - lubricated bearings -Motors of frame size 180 and above are fitted with open bearings and regreasing device	-
Painting	Phenolic rust-proof base plus lacquer surface finish	-
Terminal box position	Top	Right or Left hand side
Nameplate	Aluminium or stainless steel	-

Note: The motor is designed with a Class F insulation system (155°C) and a Class B temperature rise limit (130°C), providing an additional 25°C thermal margin. This thermal reserve enables IE1 to IE3 motors to operate reliably and continuously at ambient temperatures of up to 50°C.

Motors can be customized in accordance to customer's requirements:

- | | | |
|-----------------------------|----------------------------|---|
| 1. RTD temperature sensor | 5. Special paint finished | 9. Double ended shaft |
| 2. PTC thermister | 6. Special volt/Hz | 10. Grease relief for frames down to 100L |
| 3. Anti-condensation heater | 7. Extend lead wire | 11. Sun canopy |
| 4. Corrosion-proof | 8. Special shaft extension | 12. Brake motor |

IE1 PERFORMANCE DATA:

2/4 Pole Single Winding / 60Hz

Rated Power kW	Frame size	Rated Current(A) (I _{FL})			Rated Speed RPM.	Rated Torque (T _{FL}) N.M	Power Factor (cosΦ)	Efficiency Full load %	Starting Current (I _{ST} / I _{FL})	Starting Torque (T _{ST} / T _{FL})	Maximum Torque (T _M / T _{FL})	Weight (kg)	Moment of inertia (kgm ²)	No. of Wires (connection)
		At 380V	At 400V	At 400V										
0.37 / 0.18	71	1.11 / 0.94	1.05 / 0.90	1.02 / 0.86	3300 / 1620	1.1 / 5.6	0.78 / 0.50	65.0 / 58.0	3.3 / 4.3	1.8 / 2.1	1.4 / 1.9	9.2	0.0004	6 (2Y/Y)
0.75 / 0.18	80	2.03 / 0.87	1.93 / 0.83	1.86 / 0.80	3420 / 1728	2.1 / 4.8	0.80 / 0.55	70.0 / 57.5	4.1 / 3.5	1.5 / 2.3	2.2 / 1.6	14.5	0.0010	6 (2Y/Y)
0.90 / 0.18		2.43 / 0.99	2.31 / 0.94	2.22 / 0.91	3420 / 1728	2.5 / 5.5	0.80 / 0.55	70.4 / 50.0	5.0 / 4.1	2.1 / 2.3	2.2 / 1.6	15.0	0.0011	6 (2Y/Y)
1.1 / 0.28	90L	2.72 / 1.27	2.58 / 1.20	2.49 / 1.16	3432 / 1752	3.1 / 6.9	0.82 / 0.60	75.0 / 56.0	5.3 / 4.2	2.3 / 2.5	2.0 / 1.4	22.8	0.0023	6 (2Y/Y)
1.5 / 0.37		3.60 / 1.40	3.42 / 1.33	3.30 / 1.28	3432 / 1752	4.2 / 7.6	0.82 / 0.61	77.2 / 66.0	5.4 / 4.4	2.3 / 2.4	2.3 / 1.9	22.8	0.0030	6 (2Y/Y)
2.2 / 0.55	112M	4.85 / 1.96	4.61 / 1.86	4.45 / 1.79	3450 / 1740	6.1 / 10.7	0.85 / 0.61	81.0 / 70.0	5.9 / 4.4	2.1 / 1.2	2.6 / 2.1	38.8	0.0060	6 (2Y/Y)
3.0 / 0.75		6.43 / 2.59	6.10 / 2.46	5.88 / 2.38	3450 / 1740	8.3 / 14.2	0.87 / 0.61	82.0 / 72.0	6.3 / 4.8	2.2 / 1.4	2.8 / 2.8	38.8	0.0070	6 (2Y/Y)
3.6 / 0.76		7.62 / 2.67	7.24 / 2.54	6.98 / 2.45	3450 / 1740	10.0 / 14.7	0.87 / 0.60	82.5 / 72.0	6.3 / 4.8	2.2 / 1.4	2.8 / 2.8	42.6	0.0075	6 (2Y/Y)
3.7 / 0.93		7.88 / 2.77	7.48 / 2.63	7.21 / 2.53	3450 / 1740	10.2 / 15.2	0.87 / 0.70	82.5 / 73.0	6.3 / 4.8	2.2 / 1.4	2.8 / 2.8	42.6	0.0080	6 (2Y/Y)
4.0 / 1.0		8.47 / 2.89	8.04 / 2.75	7.75 / 2.65	3456 / 1746	11.1 / 15.8	0.87 / 0.70	82.5 / 75.0	7.0 / 6.0	1.9 / 1.9	2.3 / 2.8	55.5	0.0170	6 (2Y/Y)
5.5 / 1.4	132S	11.8 / 4.00	11.2 / 3.80	10.8 / 3.66	3456 / 1746	15.2 / 21.9	0.85 / 0.70	83.5 / 76.0	7.0 / 6.0	2.0 / 2.6	2.6 / 3.0	55.5	0.0180	6 (2Y/Y)
7.5 / 1.9	132M	16.0 / 5.10	15.2 / 4.85	14.7 / 4.67	3468 / 1746	20.7 / 27.9	0.85 / 0.74	84.5 / 77.0	7.0 / 6.5	2.5 / 2.7	2.7 / 3.3	66.8	0.0190	6 (2Y/Y)
11.0 / 2.8	160M	21.5 / 7.09	20.4 / 6.74	19.7 / 6.49	3492 / 1758	30.1 / 38.5	0.89 / 0.75	87.5 / 80.0	5.9 / 6.1	1.5 / 2.4	2.3 / 2.8	104.0	0.0600	6 (2Y/Y)
15.0 / 3.7	160L	28.8 / 9.14	27.3 / 8.68	26.3 / 8.37	3516 / 1758	40.7 / 49.7	0.89 / 0.75	89.0 / 82.0	6.6 / 6.3	1.8 / 2.5	2.4 / 2.8	125.0	0.0670	6 (2Y/Y)
18.5 / 4.7		35.3 / 11.3	33.5 / 10.77	32.3 / 10.38	3516 / 1758	50.2 / 61.6	0.89 / 0.75	89.5 / 84.0	6.6 / 6.3	2.3 / 2.5	2.9 / 2.8	125.0	0.0780	6 (2Y/Y)
22.0 / 5.5	180M	42.4 / 13.2	40.3 / 12.50	38.9 / 12.05	3528 / 1764	59.5 / 71.2	0.88 / 0.75	90.0 / 84.7	7.0 / 5.3	2.1 / 2.1	2.6 / 2.3	157.0	0.1180	6 (2Y/Y)
30.0 / 7.5	200L	56.8 / 17.0	53.9 / 16.1	52.0 / 15.56	3540 / 1764	80.9 / 92.0	0.89 / 0.78	90.7 / 86.0	7.1 / 6.2	2.0 / 2.0	2.5 / 2.2	210.0	0.2050	6 (2Y/Y)
37.0 / 9.3	225M	69.4 / 20.4	65.9 / 19.4	63.6 / 18.7	3546 / 1770	99.6 / 110.2	0.89 / 0.80	91.0 / 86.5	7.4 / 6.2	2.0 / 2.0	2.6 / 2.3	297.0	0.3110	6 (2Y/Y)
45.0 / 11.0		83.0 / 24.0	78.9 / 22.8	76.0 / 22.0	3546 / 1770	121.2 / 129.5	0.90 / 0.80	91.5 / 87.0	7.7 / 5.6	2.2 / 2.1	3.0 / 2.5	311.0	0.3250	6 (2Y/Y)
55.0 / 14.0	250M	100 / 30.0	95 / 28.5	91.9 / 27.5	3558 / 1770	147.6 / 161.9	0.90 / 0.81	92.5 / 87.5	7.3 / 5.4	2.0 / 2.0	2.6 / 2.2	388.0	0.4920	6 (2Y/Y)
75.0 / 18.5		137 / 39.7	130 / 37.7	125 / 36.3	3558 / 1776	201.3 / 213.3	0.90 / 0.81	92.7 / 88.0	8.9 / 5.5	2.3 / 2.0	3.1 / 2.2	466.0	0.5210	6 (2Y/Y)

IE1 PERFORMANCE DATA:

4/6 Pole Two Separate Windings / 60Hz

Rated Power kW	Frame size	Rated Current(A) (I _{FL})			Rated Speed RPM.	Rated Torque (T _{FL}) N.M	Power Factor (cosΦ)	Efficiency Full load %	Starting Current (I _{ST} / I _{FL})	Starting Torque (T _{ST} / T _{FL})	Maximum Torque (T _M / T _{FL})	Weight (kg)	Moment of inertia (kgm)	No. of Wires (connection)
		At 380V	At 400V	At 400V										
0.37 / 0.16	90S	1.16 / 0.83	1.10 / 0.79	1.06 / 0.76	1620 / 1116	2.2 / 1.4	0.74 / 0.59	66.0 / 50.0	2.9 / 3.1	1.4 / 1.5	1.4 / 1.5	19.3	0.0040	3+3 (Y/Y)
0.55 / 0.25	90L	1.52 / 1.08	1.44 / 1.03	1.39 / 0.99	1620 / 1116	3.2 / 2.1	0.79 / 0.64	70.0 / 55.0	2.9 / 3.1	1.4 / 1.5	1.4 / 1.5	22.5	0.0056	3+3 (Y/Y)
0.75 / 0.33		1.98 / 1.25	1.88 / 1.18	1.81 / 1.14	1620 / 1128	4.4 / 2.8	0.80 / 0.67	72.0 / 60.0	2.9 / 3.1	1.4 / 1.5	1.4 / 1.5	22.5	0.0060	3+3 (Y/Y)
1.1 / 0.50	100L	2.74 / 1.74	2.60 / 1.66	2.51 / 1.60	1668 / 1152	6.3 / 4.1	0.82 / 0.67	74.5 / 65.0	4.2 / 2.6	1.8 / 1.0	2.2 / 1.7	30.5	0.0085	3+3 (Y/Y)
1.5 / 0.66		3.61 / 2.20	3.43 / 2.09	3.31 / 2.02	1668 / 1152	8.6 / 5.5	0.82 / 0.68	77.0 / 67.0	4.3 / 2.9	1.7 / 1.0	2.1 / 1.8	30.5	0.0130	3+3 (Y/Y)
2.2 / 1.00	112M	5.43 / 3.06	5.16 / 2.90	4.97 / 2.80	1716 / 1152	12.2 / 8.3	0.80 / 0.70	77.0 / 71.0	5.0 / 3.3	1.8 / 1.0	2.4 / 1.9	42.6	0.0140	3+3 (Y/Y)
3.0 / 1.34		7.21 / 3.98	6.85 / 3.79	6.60 / 3.65	1716 / 1152	16.7 / 11.1	0.80 / 0.70	79.0 / 73.0	6.0 / 4.0	1.3 / 1.0	2.3 / 2.2	42.6	0.0150	3+3 (Y/Y)
3.0 / 1.34	132S	6.82 / 4.10	6.48 / 3.90	6.25 / 3.76	1716 / 1170	16.7 / 10.9	0.82 / 0.68	81.5 / 73.0	6.0 / 4.0	1.3 / 1.0	2.3 / 2.2	55.5	0.0320	3+3 (Y/Y)
3.7 / 1.66		8.36 / 5.01	7.94 / 4.76	7.66 / 4.59	1716 / 1170	20.6 / 13.5	0.82 / 0.68	82.0 / 74.0	6.5 / 4.2	1.5 / 1.0	2.3 / 2.2	55.5	0.0330	3+3 (Y/Y)
4.0 / 1.80	132M	8.82 / 5.36	8.38 / 5.09	8.08 / 4.91	1752 / 1152	21.8 / 14.9	0.82 / 0.68	84.0 / 75.0	6.5 / 4.2	1.5 / 1.0	2.3 / 2.2	55.5	0.0340	3+3 (Y/Y)
5.5 / 2.50		12.1 / 6.86	11.5 / 6.52	11.0 / 6.28	1752 / 1152	30.0 / 20.7	0.82 / 0.71	84.5 / 78.0	7.1 / 4.5	1.8 / 1.3	2.5 / 2.0	66.8	0.0400	3+3 (Y/Y)
7.5 / 3.30	160M	16.1 / 8.53	15.3 / 8.10	14.7 / 7.81	1752 / 1158	40.9 / 27.2	0.82 / 0.74	86.5 / 80.0	7.1 / 4.5	1.8 / 1.3	2.5 / 2.0	104.0	0.1010	3+3 (Y/Y)
9.3 / 4.10		19.9 / 10.55	18.9 / 10.02	18.2 / 9.66	1752 / 1158	50.7 / 33.8	0.82 / 0.72	86.5 / 82.0	7.1 / 4.5	1.8 / 1.3	2.5 / 2.0	104.0	0.1050	3+3 (Y/Y)
11.0 / 5.00	160L	23.4 / 12.9	22.3 / 12.2	21.5 / 11.8	1752 / 1158	60.0 / 41.2	0.82 / 0.72	87.0 / 82.0	6.4 / 4.1	2.0 / 1.3	2.5 / 1.7	125.0	0.1270	3+3 (Y/Y)
13.0 / 5.80		27.7 / 14.6	26.3 / 13.8	25.4 / 13.3	1752 / 1158	70.9 / 47.8	0.82 / 0.72	87.0 / 84.0	6.9 / 4.6	2.2 / 1.5	2.6 / 1.9	125.0	0.1320	3+3 (Y/Y)
15.0 / 6.60	180M	31.8 / 16.5	30.2 / 15.7	29.1 / 15.1	1764 / 1176	81.2 / 53.6	0.82 / 0.72	87.5 / 84.5	6.9 / 4.6	2.2 / 1.5	2.6 / 1.9	152.0	0.1710	3+3 (Y/Y)
17.0 / 7.50	180L	36.0 / 19.2	34.2 / 18.3	33.0 / 17.6	1764 / 1176	92.0 / 60.9	0.82 / 0.70	87.5 / 84.7	6.9 / 4.6	2.2 / 1.5	2.6 / 1.9	172.0	0.1850	3+3 (Y/Y)
18.5 / 8.20		38.3 / 20.4	36.4 / 19.3	35.1 / 18.6	1764 / 1176	100.1 / 66.6	0.82 / 0.72	89.5 / 85.0	7.2 / 5.0	2.4 / 1.8	2.7 / 2.0	172.0	0.1920	3+3 (Y/Y)
21.0 / 9.10	200L	43.5 / 22.8	41.3 / 21.6	39.8 / 20.9	1764 / 1176	113.7 / 73.9	0.82 / 0.71	89.5 / 85.5	7.2 / 5.0	2.4 / 1.8	2.7 / 2.0	172.0	0.1950	3+3 (Y/Y)
22.0 / 9.90		45.3 / 23.5	43.0 / 22.3	41.5 / 21.5	1764 / 1176	119.1 / 80.4	0.82 / 0.74	90.0 / 86.5	7.7 / 7.8	1.6 / 1.9	2.8 / 2.9	219.0	0.3300	3+3 (Y/Y)
26.0 / 11.6	200L	53.5 / 27.4	50.9 / 26.0	49.0 / 25.1	1770 / 1182	140.3 / 93.7	0.82 / 0.74	90.0 / 87.0	7.7 / 7.8	1.6 / 1.9	2.8 / 2.9	219.0	0.3350	3+3 (Y/Y)
30.0 / 13.3		61.8 / 30.6	58.7 / 29.1	56.6 / 28.0	1770 / 1182	161.8 / 107.4	0.82 / 0.76	90.0 / 87.5	7.7 / 7.8	1.6 / 1.9	2.8 / 2.9	259.0	0.3410	3+3 (Y/Y)
34.0 / 15.0	225S	70.0 / 35.1	66.5 / 33.4	64.1 / 32.2	1770 / 1182	183.4 / 121.2	0.82 / 0.74	90.0 / 87.7	7.7 / 6.7	1.5 / 1.3	2.7 / 2.3	274.0	0.5610	3+3 (Y/Y)
37.0 / 16.6	225M	75.8 / 39.9	72.0 / 37.9	69.4 / 36.5	1770 / 1182	199.6 / 134.1	0.82 / 0.72	90.5 / 87.9	7.7 / 6.7	1.5 / 1.3	2.7 / 2.3	311.0	0.6510	3+3 (Y/Y)
41.0 / 18.2		80.1 / 40.6	76.1 / 38.6	73.3 / 37.2	1770 / 1182	221.2 / 147.0	0.86 / 0.77	91.0 / 88.5	8.4 / 6.8	1.7 / 1.4	3.0 / 2.3	311.0	0.6520	3+3 (Y/Y)
45.0 / 19.9	250M	88.0 / 44.3	83.6 / 42.1	80.5 / 40.5	1770 / 1182	242.8 / 160.8	0.85 / 0.77	92.0 / 88.7	8.4 / 6.8	1.7 / 1.4	3.0 / 2.3	388.0	1.5610	3+3 (Y/Y)
48.5 / 21.6		94 / 48.0	89.5 / 45.6	86.2 / 43.9	1770 / 1182	261.7 / 174.5	0.86 / 0.77	91.5 / 88.8	8.4 / 6.8	1.7 / 1.4	3.0 / 2.3	388.0	1.6520	3+3 (Y/Y)
52.0 / 23.2		100 / 51.3	95 / 48.7	92 / 46.9	1770 / 1182	280.5 / 187.4	0.86 / 0.77	91.5 / 89.3	8.4 / 6.8	1.7 / 1.4	3.0 / 2.3	388.0	1.7230	3+3 (Y/Y)
55.0 / 24.8		106 / 54.7	101 / 51.9	97 / 50.1	1770 / 1182	296.7 / 200.4	0.86 / 0.77	91.5 / 89.5	7.5 / 7.3	2.4 / 3.0	2.7 / 2.6	410.0	1.8240	3+3 (Y/Y)
60.0 / 26.5		116 / 57.5	110 / 54.7	106 / 52.7	1770 / 1182	323.7 / 214.1	0.86 / 0.78	91.5 / 89.7	7.5 / 7.3	2.4 / 3.0	2.7 / 2.6	410.0	1.9330	6+3 (ΔY/Y)
63.0 / 28.2		124 / 60.7	117 / 57.7	113 / 55.6	1782 / 1182	337.6 / 227.8	0.86 / 0.79	90.0 / 89.9	7.5 / 7.3	2.4 / 3.0	2.7 / 2.6	470.0	2.0310	6+3 (ΔY/Y)
67.0 / 30.0		128 / 66.1	122 / 62.8	117 / 60.5	1782 / 1182	359.0 / 242.4	0.87 / 0.77	92.0 / 90.2	7.5 / 7.3	2.4 / 3.0	2.7 / 2.6	470.0	2.1320	6+3 (ΔY/Y)
75.0 / 33.1		142 / 72.3	135 / 68.7	130 / 66.2	1782 / 1182	401.9 / 267.4	0.87 / 0.77	92.0 / 90.3	7.5 / 7.3	2.4 / 3.0	2.7 / 2.6	485.0	2.2210	6+3 (ΔY/Y)
90 / 40	280M	170 / 86.1	161 / 81.8	156 / 78.8	1782 / 1176	482.3 / 324.8	0.87 / 0.78	92.5 / 90.5	7.8 / 7.5	2.5 / 2.4	2.8 / 2.7	600.0	1.8210	6+3 (ΔY/Y)
94 / 42		177 / 90.3	169 / 85.8	163 / 82.7	1782 / 1182	503.7 / 339.3	0.87 / 0.78	92.5 / 90.6	7.8 / 7.5	2.5 / 2.4	2.8 / 2.7	600.0	1.8320	6+3 (ΔY/Y)
110 / 49	315S	207 / 102	196 / 97	189 / 93.1	1782 / 1182	589.4 / 395.9	0.87 / 0.80	93.0 / 91.5	8.5 / 7.8	2.7 / 2.5	2.8 / 2.8	930.0	3.9770	6+3 (ΔY/Y)
132 / 59	315M	248 / 122	235 / 116	227 / 112	1782 / 1182	707.3 / 476.6	0.87 / 0.80	93.0 / 91.5	8.5 / 7.8	2.7 / 2.5	2.8 / 2.8	1,070.0	4.7520	6+3 (ΔY/Y)

IE1 PERFORMANCE DATA:

4/8 Pole Single Winding / 60Hz

Rated Power kW	Frame size	Rated Current(A) (I _R)			Rated Speed RPM.	Rated Torque (T _R) N.M	Power Factor (cosΦ)	Efficiency Full load %	Starting Current (I _{ST} / I _{FL})	Starting Current (I _{ST} / I _{FL})	Maximum Torque (T _M / T _{FL})	Weight (kg)	Moment of inertia (kgm ²)	No. of Wires (connection)
		At 380V	At 400V	At 400V										
0.37 / 0.18	80	1.65 / 0.96	1.57 / 0.92	1.51 / 0.88	1620 / 852	2.2 / 2.0	0.54 / 0.66	63.0 / 43.0	3.8 / 2.4	1.3 / 1.8	1.4 / 1.9	14.5	0.0016	6 (2Y/Y)
0.55 / 0.18		1.81 / 0.96	1.72 / 0.92	1.66 / 0.88	1620 / 852	3.2 / 2.0	0.69 / 0.66	67.0 / 43.0	3.8 / 2.4	2.2 / 1.6	2.2 / 1.6	15.8	0.0017	6 (2Y/Y)
0.55 / 0.28		1.58 / 1.75	1.50 / 1.66	1.44 / 1.60	1620 / 852	3.2 / 3.1	0.78 / 0.54	68.0 / 45.0	3.8 / 2.4	2.2 / 1.6	2.2 / 1.6	15.8	0.0018	6 (2Y/Y)
0.75 / 0.18	90S	2.37 / 0.92	2.26 / 0.87	2.17 / 0.84	1668 / 840	4.3 / 2.0	0.75 / 0.66	64.0 / 45.0	4.0 / 2.4	2.0 / 1.4	2.0 / 1.4	19.3	0.0029	6 (2Y/Y)
1.1 / 0.28	100L	2.86 / 1.17	2.72 / 1.11	2.62 / 1.07	1668 / 840	6.3 / 3.2	0.80 / 0.66	73.0 / 55.0	4.2 / 2.4	1.8 / 1.2	2.3 / 1.9	30.5	0.0034	6 (2Y/Y)
1.5 / 0.37		3.90 / 1.50	3.71 / 1.43	3.57 / 1.38	1716 / 864	8.3 / 4.1	0.80 / 0.68	73.0 / 55.0	4.5 / 2.2	2.2 / 1.5	2.6 / 2.1	30.5	0.0085	6 (2Y/Y)
2.2 / 0.55		5.17 / 2.08	4.92 / 1.98	4.74 / 1.91	1716 / 864	12.2 / 6.1	0.85 / 0.68	76.0 / 59.0	4.6 / 2.7	1.8 / 1.2	2.4 / 1.9	34.3	0.0133	6 (2Y/Y)
3.0 / 0.75	112M	6.96 / 2.78	6.62 / 2.65	6.38 / 2.55	1716 / 864	16.7 / 8.3	0.85 / 0.66	77.0 / 62.0	5.6 / 3.0	2.2 / 1.3	2.8 / 2.3	42.6	0.0140	6 (2Y/Y)
3.7 / 0.93	132S	8.52 / 3.56	8.09 / 3.39	7.80 / 3.26	1716 / 864	20.6 / 10.3	0.80 / 0.61	82.5 / 65.0	6.8 / 4.4	1.6 / 1.7	2.5 / 2.7	55.5	0.0320	6 (2Y/Y)
4.0 / 1.0		9.32 / 3.61	8.86 / 3.43	8.54 / 3.31	1752 / 876	21.8 / 10.9	0.79 / 0.61	82.5 / 69.0	6.8 / 4.4	1.6 / 1.7	2.5 / 2.7	55.5	0.0350	6 (2Y/Y)
5.5 / 1.4	132M	14.2 / 4.22	13.4 / 4.0	13.0 / 3.86	1752 / 876	30.0 / 15.3	0.72 / 0.71	82.0 / 71.0	6.4 / 3.6	1.5 / 1.0	2.3 / 2.0	66.8	0.0400	6 (2Y/Y)
7.5 / 1.9		16.2 / 5.27	15.4 / 5.0	14.9 / 4.83	1752 / 876	40.9 / 20.7	0.83 / 0.74	84.5 / 74.0	7.6 / 3.6	2.0 / 1.4	2.8 / 2.7	66.8	0.0410	6 (2Y/Y)
9.3 / 2.3		19.7 / 6.56	18.7 / 6.2	18.0 / 6.01	1752 / 882	50.7 / 24.9	0.85 / 0.71	84.5 / 75.0	6.9 / 3.7	2.0 / 1.4	2.7 / 2.3	75.0	0.0430	6 (2Y/Y)
11.0 / 2.8	160L	24.6 / 7.78	23.4 / 7.4	22.5 / 7.13	1752 / 882	60.0 / 30.3	0.79 / 0.71	86.0 / 77.0	6.9 / 3.8	2.2 / 1.5	2.7 / 2.3	125.0	0.1010	6 (2Y/Y)
13.0 / 3.3		31.0 / 9.11	29.5 / 8.7	28.4 / 8.34	1752 / 882	70.9 / 35.7	0.74 / 0.71	86.0 / 77.5	6.9 / 3.9	2.2 / 1.5	2.7 / 2.3	135.0	0.1270	6 (2Y/Y)
15.0 / 3.7	180M	31.2 / 10.0	29.6 / 9.5	28.6 / 9.17	1764 / 882	81.2 / 40.1	0.84 / 0.72	87.0 / 78.0	6.9 / 3.1	2.2 / 1.7	2.6 / 2.6	152.0	0.1700	6 (2Y/Y)
17.0 / 4.2		35.3 / 11.3	33.6 / 10.7	32.4 / 10.35	1764 / 882	92.0 / 45.5	0.84 / 0.71	87.0 / 79.5	7.0 / 4.3	2.2 / 1.7	2.3 / 1.9	160.0	0.1800	6 (2Y/Y)
18.5 / 4.7	180L	35.7 / 12.4	33.9 / 11.8	32.7 / 11.4	1764 / 882	100.1 / 50.9	0.87 / 0.71	90.5 / 81.0	7.0 / 4.4	2.0 / 1.7	2.3 / 1.9	172.0	0.1850	6 (2Y/Y)
21.0 / 5.1		39.2 / 13.4	37.2 / 12.8	35.9 / 12.3	1764 / 882	113.7 / 55.2	0.90 / 0.71	90.5 / 81.2	7.0 / 4.5	2.0 / 1.7	2.3 / 1.9	180.0	0.1910	6 (2Y/Y)
22.0 / 5.5	200L	40.8 / 15.9	38.8 / 15.1	37.4 / 14.6	1764 / 882	119.1 / 59.5	0.92 / 0.65	89.5 / 81.4	7.0 / 4.2	2.0 / 1.7	2.6 / 2.3	219.0	0.3300	6 (2Y/Y)
26.0 / 6.5		51.3 / 18.6	48.8 / 17.6	47.0 / 17.0	1770 / 882	140.3 / 70.4	0.86 / 0.65	89.5 / 82.5	7.0 / 4.2	2.0 / 1.7	2.6 / 2.3	230.0	0.3350	6 (2Y/Y)
30.0 / 7.5	225S	58.2 / 21.6	55.3 / 20.5	53.3 / 19.8	1770 / 882	161.8 / 81.2	0.86 / 0.64	91.0 / 83.1	7.0 / 4.2	2.2 / 1.9	2.4 / 1.9	274.0	0.5610	6 (2Y/Y)
34.0 / 8.4	225M	66.0 / 24.1	62.7 / 22.9	60.4 / 22.0	1770 / 882	183.4 / 90.9	0.86 / 0.64	91.0 / 83.5	7.5 / 5.0	2.6 / 1.9	2.5 / 1.8	311.0	0.6510	6 (2Y/Y)
37.0 / 9.3		73.1 / 25.5	69.4 / 24.3	66.9 / 23.4	1770 / 882	199.6 / 100.7	0.86 / 0.66	90.0 / 83.8	7.5 / 5.0	2.6 / 1.9	2.5 / 1.8	311.0	0.6650	6 (2Y/Y)
41.0 / 10.3		81.0 / 24.5	76.9 / 23.2	74.1 / 22.4	1770 / 882	221.2 / 111.5	0.86 / 0.76	90.0 / 84.2	7.5 / 5.0	2.6 / 1.9	2.5 / 1.8	323.0	0.6700	6 (2Y/Y)
45.0 / 11.0	250M	86.4 / 25.9	82.1 / 24.6	79.1 / 23.7	1770 / 882	242.8 / 119.1	0.86 / 0.76	92.0 / 85.0	7.5 / 5.0	2.5 / 2.2	2.5 / 2.0	388.0	1.0300	6 (2Y/Y)
48.5 / 12.1		93 / 28.7	88.4 / 27.3	85.2 / 26.3	1770 / 882	261.7 / 131.0	0.87 / 0.75	91.0 / 85.3	7.5 / 5.0	2.5 / 2.2	2.5 / 2.0	388.0	1.0420	6 (2Y/Y)
52.0 / 13.1		100 / 31.2	95 / 29.7	91 / 28.6	1770 / 882	280.5 / 141.8	0.87 / 0.75	91.0 / 85.5	7.5 / 5.0	2.3 / 2.0	2.5 / 2.0	388.0	1.0620	6 (2Y/Y)
55.0 / 14.0		105 / 33.3	100 / 31.7	96 / 30.5	1770 / 882	296.7 / 151.6	0.87 / 0.75	91.5 / 85.7	7.9 / 5.0	2.3 / 2.0	2.5 / 2.0	410.0	1.0820	6 (2Y/Y)
60.0 / 15.0		113 / 35.5	108 / 33.7	104 / 32.5	1770 / 882	323.7 / 162.4	0.88 / 0.75	91.5 / 86.2	7.9 / 5.0	2.6 / 2.1	2.5 / 2.0	410.0	1.0950	6 (2Y/Y)
63.0 / 15.9		119 / 36.3	113 / 34.5	109 / 33.3	1782 / 882	337.6 / 172.1	0.88 / 0.77	91.5 / 86.4	7.9 / 5.0	2.6 / 2.1	2.5 / 2.0	470.0	1.0980	6 (2Y/Y)
67.0 / 16.8		126 / 38.2	120 / 36.3	116 / 35.0	1782 / 882	359.0 / 181.9	0.88 / 0.77	91.5 / 86.7	7.9 / 5.0	2.6 / 2.1	2.5 / 2.0	470.0	1.1020	6 (2Y/Y)
75.0 / 18.5		141 / 45.9	134 / 43.6	129 / 42.0	1782 / 882	401.9 / 200.3	0.88 / 0.71	92.0 / 86.9	7.9 / 5.0	2.6 / 2.1	2.5 / 2.0	485.0	1.1030	6 (2Y/Y)
78.0 / 19.6		146 / 48.2	139 / 45.8	134 / 44.1	1782 / 882	418.0 / 212.2	0.88 / 0.71	92.0 / 87.0	7.9 / 5.0	2.6 / 2.1	2.5 / 2.0	485.0	1.1050	6 (2Y/Y)
93.0 / 23.3	280M	175 / 57.8	166 / 54.9	160 / 52.9	1782 / 882	498.3 / 252.3	0.88 / 0.70	92.0 / 87.5	8.0 / 5.5	2.5 / 2.0	2.3 / 2.0	600.0	1.8120	6 (2Y/Y)
110.0 / 27.5	315L	206 / 67.8	196 / 64.4	189 / 62.1	1782 / 882	589.4 / 297.7	0.88 / 0.70	92.0 / 88.0	8.2 / 5.0	2.3 / 2.0	2.3 / 2.0	1,010.0	3.9650	6 (2Y/Y)
200.0 / 50.0		375 / 121	357 / 115	344 / 110	1782 / 882	1,071.7 / 541.3	0.88 / 0.70	92.0 / 90.0	8.5 / 5.5	2.3 / 2.0	2.3 / 2.0	1,170.0	4.4710	6 (2Y/Y)

IE2 PERFORMANCE DATA: 2/4 Pole Single Winding / 60Hz

Rated Power kW	Frame size	Rated Current(A) (I _{FL})						Rated Speed RPM.	Rated Torque (T _{FL}) N.M	Power Factor (cosΦ)	Efficiency Full load %	Starting Current (I _{ST} / I _{FL})	Starting Torque (T _{ST} / T _{FL})	Maximum Torque (T _M / T _{FL})	Weight (kg)	Moment of inertia (kgm ²)	No. of Wires (connection)
		At 380V	At 400V		At 400V												
0.37 / 0.18	71	1.08 / 0.91	1.02 / 0.87	0.99 / 0.83	3300 / 1620	1.1 / 5.4	0.78 / 0.50	67.0 / 60.0	3.3 / 4.3	1.8 / 2.1	1.4 / 1.9	9.2	0.0004	6 (2Y/Y)			
0.75 / 0.18	80	1.95 / 0.84	1.85 / 0.79	1.79 / 0.77	3420 / 1728	2.1 / 4.6	0.80 / 0.55	73.0 / 60.0	4.1 / 3.5	1.5 / 2.3	2.2 / 1.6	14.5	0.0010	6 (2Y/Y)			
0.90 / 0.18		2.31 / 0.83	2.19 / 0.79	2.12 / 0.76	3420 / 1728	2.5 / 4.6	0.80 / 0.55	74.0 / 60.0	5.0 / 4.1	2.1 / 2.3	2.2 / 1.6	15.0	0.0011	6 (2Y/Y)			
1.1 / 0.28	90L	2.64 / 1.16	2.50 / 1.10	2.41 / 1.06	3432 / 1752	3.1 / 6.3	0.82 / 0.60	77.3 / 61.0	5.3 / 4.2	2.3 / 2.5	2.0 / 1.4	22.8	0.0023	6 (2Y/Y)			
1.5 / 0.37		3.51 / 1.40	3.34 / 1.33	3.22 / 1.28	3432 / 1752	4.2 / 7.6	0.82 / 0.61	79.1 / 66.0	5.4 / 4.4	2.3 / 2.4	2.3 / 1.9	22.8	0.0030	6 (2Y/Y)			
2.2 / 0.55	112M	4.83 / 1.90	4.58 / 1.81	4.42 / 1.74	3450 / 1740	6.1 / 10.4	0.85 / 0.61	81.5 / 72.0	5.9 / 4.4	2.1 / 1.2	2.6 / 2.1	38.8	0.0060	6 (2Y/Y)			
3.0 / 0.75		6.34 / 2.56	6.02 / 2.43	5.81 / 2.34	3450 / 1740	8.3 / 14.0	0.87 / 0.61	83.1 / 73.1	6.3 / 4.8	2.2 / 1.4	2.8 / 2.8	38.8	0.0070	6 (2Y/Y)			
3.6 / 0.76		7.53 / 2.63	7.15 / 2.50	6.89 / 2.41	3450 / 1740	10.0 / 14.4	0.87 / 0.60	83.5 / 73.1	6.3 / 4.8	2.2 / 1.4	2.8 / 2.8	42.6	0.0075	6 (2Y/Y)			
3.7 / 0.93		7.74 / 2.75	7.35 / 2.61	7.08 / 2.51	3450 / 1740	10.2 / 15.1	0.87 / 0.70	84.0 / 73.5	6.3 / 4.8	2.2 / 1.4	2.8 / 2.8	42.6	0.0080	6 (2Y/Y)			
4.0 / 1.0	132S	8.32 / 2.86	7.90 / 2.71	7.61 / 2.62	3456 / 1746	11.1 / 15.6	0.87 / 0.70	84.0 / 76.0	7.0 / 6.0	1.9 / 1.9	2.3 / 2.8	55.5	0.0170	6 (2Y/Y)			
5.5 / 1.4		11.6 / 3.95	11.0 / 3.75	10.6 / 3.61	3456 / 1746	15.2 / 21.6	0.85 / 0.70	84.8 / 77.0	7.0 / 6.0	2.0 / 2.6	2.6 / 3.0	55.5	0.0180	6 (2Y/Y)			
7.5 / 1.9	132M	15.7 / 5.04	14.9 / 4.78	14.3 / 4.61	3468 / 1746	20.7 / 27.5	0.85 / 0.74	86.1 / 78.0	7.0 / 6.5	2.5 / 2.7	2.7 / 3.3	66.8	0.0190	6 (2Y/Y)			
11.0 / 2.8	160M	21.3 / 6.98	20.2 / 6.63	19.5 / 6.39	3492 / 1758	30.1 / 37.9	0.89 / 0.75	88.3 / 81.3	5.9 / 6.1	1.5 / 2.4	2.3 / 2.8	104.0	0.0600	6 (2Y/Y)			
15.0 / 3.7	160L	28.7 / 8.97	27.2 / 8.52	26.2 / 8.21	3516 / 1758	40.7 / 48.7	0.89 / 0.75	89.4 / 83.6	6.6 / 6.3	1.8 / 2.5	2.4 / 2.8	125.0	0.0670	6 (2Y/Y)			
18.5 / 4.7		35.0 / 11.2	33.2 / 10.67	32.0 / 10.28	3516 / 1758	50.2 / 61.0	0.89 / 0.75	90.3 / 84.8	6.6 / 6.3	2.3 / 2.5	2.9 / 2.8	125.0	0.0780	6 (2Y/Y)			
22.0 / 5.5	180M	42.1 / 13.1	40.0 / 12.41	38.5 / 11.96	3528 / 1764	59.5 / 70.7	0.88 / 0.75	90.8 / 85.3	7.0 / 5.3	2.1 / 2.1	2.6 / 2.3	157.0	0.1180	6 (2Y/Y)			
30.0 / 7.5	200L	56.3 / 16.9	53.5 / 16.0	51.5 / 15.47	3540 / 1764	80.9 / 91.4	0.89 / 0.78	91.5 / 86.5	7.1 / 6.2	2.0 / 2.0	2.5 / 2.2	210.0	0.2050	6 (2Y/Y)			
37.0 / 9.3	225M	68.8 / 20.2	65.4 / 19.2	63.0 / 18.5	3546 / 1770	99.6 / 109.0	0.89 / 0.80	91.8 / 87.4	7.4 / 6.2	2.0 / 2.0	2.6 / 2.3	297.0	0.3110	6 (2Y/Y)			
45.0 / 11.0		82.3 / 23.7	78.2 / 22.5	75.4 / 21.7	3546 / 1770	121.2 / 127.9	0.90 / 0.80	92.3 / 88.1	7.7 / 5.6	2.2 / 2.1	3.0 / 2.5	311.0	0.3250	6 (2Y/Y)			
55.0 / 14.0	250M	100 / 29.7	95 / 28.3	91.2 / 27.2	3558 / 1770	147.6 / 160.4	0.90 / 0.81	93.2 / 88.3	7.3 / 5.4	2.0 / 2.0	2.6 / 2.2	388.0	0.4920	6 (2Y/Y)			
75.0 / 18.5		136 / 39.4	129 / 37.4	124 / 36.1	3558 / 1776	201.3 / 211.9	0.90 / 0.81	93.3 / 88.6	8.9 / 5.5	2.3 / 2.0	3.1 / 2.2	466.0	0.5210	6 (2Y/Y)			

IE2 PERFORMANCE DATA:

4/6 Pole Two Separate Windings / 60Hz

Rated Power kW	Frame size	Rated Current(A) (I _{FL})			Rated Speed RPM.	Rated Torque (T _{FL}) N.M	Power Factor (cosΦ)	Efficiency Full load %	Starting Current (I _{ST} / I _{FL})	Starting Torque (T _{ST} / T _{FL})	Maximum Torque (T _M / T _{FL})	Weight (kg)	Moment of inertia (kgm ²)	No. of Wires (connection)
		At 380V	At 400V	At 400V										
0.37 / 0.16	90S	1.14 / 0.80	1.08 / 0.76	1.05 / 0.73	1620 / 1116	2.2 / 1.4	0.74 / 0.59	67.0 / 52.0	2.9 / 3.1	1.4 / 1.5	1.4 / 1.5	19.3	0.0040	3+3 (Y/Y)
0.55 / 0.25	90L	1.49 / 1.07	1.42 / 1.02	1.37 / 0.98	1620 / 1116	3.2 / 2.1	0.79 / 0.64	71.3 / 55.3	2.9 / 3.1	1.4 / 1.5	1.4 / 1.5	22.5	0.0056	3+3 (Y/Y)
0.75 / 0.33		1.95 / 1.23	1.85 / 1.17	1.78 / 1.12	1620 / 1128	4.4 / 2.8	0.80 / 0.67	73.2 / 61.0	2.9 / 3.1	1.4 / 1.5	1.4 / 1.5	22.5	0.0060	3+3 (Y/Y)
1.1 / 0.50	100L	2.70 / 1.72	2.56 / 1.63	2.47 / 1.57	1668 / 1152	6.3 / 4.1	0.82 / 0.67	75.6 / 66.0	4.2 / 2.6	1.8 / 1.0	2.2 / 1.7	30.5	0.0085	3+3 (Y/Y)
1.5 / 0.66		3.54 / 2.17	3.36 / 2.06	3.24 / 1.99	1668 / 1152	8.6 / 5.5	0.82 / 0.68	78.6 / 68.0	4.3 / 2.9	1.7 / 1.0	2.1 / 1.8	30.5	0.0130	3+3 (Y/Y)
2.2 / 1.00	112M	5.22 / 3.01	4.96 / 2.86	4.78 / 2.76	1716 / 1163	12.2 / 8.2	0.80 / 0.70	80.1 / 72.0	5.0 / 3.3	1.8 / 1.0	2.4 / 1.9	42.6	0.0140	3+3 (Y/Y)
3.0 / 1.34		7.11 / 3.96	6.76 / 3.76	6.51 / 3.62	1716 / 1163	16.7 / 11.0	0.80 / 0.70	80.1 / 73.5	6.0 / 4.0	1.3 / 1.0	2.3 / 2.2	42.6	0.0150	3+3 (Y/Y)
3.0 / 1.34	132S	6.82 / 4.05	6.48 / 3.84	6.25 / 3.70	1716 / 1170	16.7 / 10.9	0.82 / 0.68	81.5 / 74.0	6.0 / 4.0	1.3 / 1.0	2.3 / 2.2	55.5	0.0320	3+3 (Y/Y)
3.7 / 1.66		8.36 / 4.88	7.94 / 4.64	7.66 / 4.47	1716 / 1170	20.6 / 13.5	0.82 / 0.68	82.0 / 76.0	6.5 / 4.2	1.5 / 1.0	2.3 / 2.2	55.5	0.0330	3+3 (Y/Y)
4.0 / 1.80	132M	8.82 / 5.29	8.38 / 5.03	8.08 / 4.85	1752 / 1152	21.8 / 14.9	0.82 / 0.68	84.0 / 76.0	6.5 / 4.2	1.5 / 1.0	2.3 / 2.2	55.5	0.0340	3+3 (Y/Y)
5.5 / 2.50		11.9 / 6.80	11.3 / 6.46	10.9 / 6.22	1752 / 1152	30.0 / 20.7	0.82 / 0.71	85.5 / 78.7	7.1 / 4.5	1.8 / 1.3	2.5 / 2.0	66.8	0.0400	3+3 (Y/Y)
7.5 / 3.30	160M	16.0 / 8.46	15.2 / 8.04	14.6 / 7.75	1752 / 1158	40.9 / 27.2	0.82 / 0.74	87.1 / 80.6	7.1 / 4.5	1.8 / 1.3	2.5 / 2.0	104.0	0.1010	3+3 (Y/Y)
9.3 / 4.10		19.8 / 10.51	18.8 / 9.99	18.1 / 9.63	1752 / 1158	50.7 / 33.8	0.82 / 0.72	87.0 / 82.3	7.1 / 4.5	1.8 / 1.3	2.5 / 2.0	104.0	0.1050	3+3 (Y/Y)
11.0 / 5.0	160L	23.3 / 12.8	22.1 / 12.2	21.3 / 11.7	1752 / 1158	60.0 / 41.2	0.82 / 0.72	87.5 / 82.3	6.4 / 4.1	2.0 / 1.3	2.5 / 1.7	125.0	0.1270	3+3 (Y/Y)
13.0 / 5.8		27.5 / 14.4	26.2 / 13.7	25.2 / 13.2	1752 / 1158	70.9 / 47.8	0.82 / 0.72	87.5 / 84.8	6.9 / 4.6	2.2 / 1.5	2.6 / 1.9	125.0	0.1320	3+3 (Y/Y)
15.0 / 6.6	180M	31.6 / 16.4	30.0 / 15.6	28.9 / 15.0	1764 / 1176	81.2 / 53.6	0.82 / 0.72	88.0 / 84.8	6.9 / 4.6	2.2 / 1.5	2.6 / 1.9	152.0	0.1710	3+3 (Y/Y)
17.0 / 7.5	180L	35.8 / 19.2	34.0 / 18.2	32.7 / 17.5	1764 / 1176	92.0 / 60.9	0.82 / 0.70	88.1 / 85.0	6.9 / 4.6	2.2 / 1.5	2.6 / 1.9	172.0	0.1850	3+3 (Y/Y)
18.5 / 8.2		38.1 / 20.3	36.2 / 19.3	34.9 / 18.6	1764 / 1176	100.1 / 66.6	0.82 / 0.72	90.0 / 85.3	7.2 / 5.0	2.4 / 1.8	2.7 / 2.0	172.0	0.1920	3+3 (Y/Y)
21.0 / 9.1	200L	43.2 / 22.6	41.1 / 21.5	39.6 / 20.7	1764 / 1176	113.7 / 73.9	0.82 / 0.71	90.0 / 86.0	7.2 / 5.0	2.4 / 1.8	2.7 / 2.0	172.0	0.1950	3+3 (Y/Y)
22.0 / 9.9		45.0 / 23.4	42.7 / 22.2	41.2 / 21.4	1764 / 1176	119.1 / 80.4	0.82 / 0.74	90.6 / 87.0	7.7 / 7.8	1.6 / 1.9	2.8 / 2.9	219.0	0.3300	3+3 (Y/Y)
26.0 / 11.6	225S	53.2 / 27.2	50.5 / 25.8	48.7 / 24.9	1770 / 1182	140.3 / 93.7	0.82 / 0.74	90.6 / 87.6	7.7 / 7.8	1.6 / 1.9	2.8 / 2.9	219.0	0.3350	3+3 (Y/Y)
30.0 / 13.3		61.4 / 30.4	58.3 / 28.9	56.2 / 27.9	1770 / 1182	161.8 / 107.4	0.82 / 0.76	90.6 / 88.0	7.7 / 7.8	1.6 / 1.9	2.8 / 2.9	259.0	0.3410	3+3 (Y/Y)
34.0 / 15.0	225M	69.2 / 35.0	65.8 / 33.2	63.4 / 32.0	1770 / 1182	183.4 / 121.2	0.82 / 0.74	91.0 / 88.0	7.7 / 6.7	1.5 / 1.3	2.7 / 2.3	274.0	0.5610	3+3 (Y/Y)
37.0 / 16.6		75.3 / 39.8	71.6 / 37.8	69.0 / 36.4	1770 / 1182	199.6 / 134.1	0.82 / 0.72	91.0 / 88.0	7.7 / 6.7	1.5 / 1.3	2.7 / 2.3	311.0	0.6510	3+3 (Y/Y)
41.0 / 18.2	250M	79.7 / 40.4	75.7 / 38.3	73.0 / 36.9	1770 / 1182	221.2 / 147.0	0.86 / 0.77	91.4 / 89.0	8.4 / 6.8	1.7 / 1.4	3.0 / 2.3	311.0	0.6520	3+3 (Y/Y)
45.0 / 19.9		87.7 / 44.1	83.3 / 41.9	80.3 / 40.4	1770 / 1182	242.8 / 160.8	0.85 / 0.77	92.3 / 89.0	8.4 / 6.8	1.7 / 1.4	3.0 / 2.3	388.0	1.5610	3+3 (Y/Y)
48.5 / 21.6	280M	94 / 47.9	89.0 / 45.5	85.8 / 43.9	1770 / 1182	261.7 / 174.5	0.86 / 0.77	92.0 / 89.0	8.4 / 6.8	1.7 / 1.4	3.0 / 2.3	388.0	1.6520	3+3 (Y/Y)
52.0 / 23.2		100 / 51.0	95 / 48.4	91 / 46.7	1770 / 1182	280.5 / 187.4	0.86 / 0.77	92.0 / 89.8	8.4 / 6.8	1.7 / 1.4	3.0 / 2.3	388.0	1.7230	3+3 (Y/Y)
55.0 / 24.8	315S	106 / 54.4	100 / 51.7	97 / 49.8	1770 / 1182	296.7 / 200.4	0.86 / 0.77	92.0 / 90.0	7.5 / 7.3	2.4 / 3.0	2.7 / 2.6	410.0	1.8240	3+3 (Y/Y)
60.0 / 26.5		115 / 57.4	109 / 54.5	106 / 52.5	1770 / 1182	323.7 / 214.1	0.86 / 0.78	92.0 / 90.0	7.5 / 7.3	2.4 / 3.0	2.7 / 2.6	410.0	1.9330	6+3 (ΔY/Y)
63.0 / 28.2	315M	121 / 60.6	115 / 57.6	111 / 55.5	1782 / 1182	337.6 / 227.8	0.86 / 0.79	92.0 / 90.0	7.5 / 7.3	2.4 / 3.0	2.7 / 2.6	470.0	2.0310	6+3 (ΔY/Y)
67.0 / 30.0		127 / 65.8	121 / 62.5	117 / 60.2	1782 / 1182	359.0 / 242.4	0.87 / 0.77	92.4 / 90.6	7.5 / 7.3	2.4 / 3.0	2.7 / 2.6	470.0	2.1320	6+3 (ΔY/Y)
75.0 / 33.1	315M	142 / 72.1	135 / 68.5	130 / 66.0	1782 / 1182	401.9 / 267.4	0.87 / 0.77	92.4 / 90.6	7.5 / 7.3	2.4 / 3.0	2.7 / 2.6	485.0	2.2210	6+3 (ΔY/Y)
90.0 / 40.0		169 / 85.8	161 / 81.5	155 / 78.6	1782 / 1176	482.3 / 324.8	0.87 / 0.78	93.0 / 90.8	7.8 / 7.5	2.5 / 2.4	2.8 / 2.7	600.0	1.8210	6+3 (ΔY/Y)
94.0 / 42.0	315M	177 / 89.9	168 / 85.4	162 / 82.3	1782 / 1182	503.7 / 339.3	0.87 / 0.78	93.0 / 91.0	7.8 / 7.5	2.5 / 2.4	2.8 / 2.7	600.0	1.8320	6+3 (ΔY/Y)
110.0 / 49.0		206 / 101	196 / 96.3	189 / 92.8	1782 / 1182	589.4 / 395.9	0.87 / 0.80	93.2 / 91.8	8.5 / 7.8	2.7 / 2.5	2.8 / 2.8	930.0	3.9770	6+3 (ΔY/Y)
132.0 / 59.0	315M	247 / 122	235 / 116.0	226 / 112	1782 / 1182	707.3 / 476.6	0.87 / 0.80	93.2 / 91.8	8.5 / 7.8	2.7 / 2.5	2.8 / 2.8	1,070.0	4.7520	6+3 (ΔY/Y)

IE2 PERFORMANCE DATA:

4/8 Pole Single Winding / 60Hz

Rated Power kW	Frame size	Rated Current(A) (I _{FL})			Rated Speed RPM.	Rated Torque (T _{FL}) N.M	Power Factor (cosΦ)	Efficiency Full load %	Starting Current (I _{ST} / I _{FL})	Starting Torque (T _{ST} / T _{FL})	Maximum Torque (T _M / T _{FL})	Weight (kg)	Moment of inertia (kgm ²)	No. of Wires (connection)
		At 380V	At 400V	At 400V										
0.37 / 0.18	80	1.65 / 0.92	1.57 / 0.87	1.51 / 0.84	1620 / 852	2.2 / 2.0	0.54 / 0.66	63.0 / 45.0	3.8 / 2.4	1.3 / 1.8	1.4 / 1.9	14.5	0.0016	6 (2Y/Y)
0.55 / 0.18		1.81 / 0.92	1.72 / 0.87	1.66 / 0.84	1620 / 852	3.2 / 2.0	0.69 / 0.66	67.0 / 45.0	3.8 / 2.4	2.2 / 1.6	2.2 / 1.6	15.8	0.0017	6 (2Y/Y)
0.55 / 0.28		1.58 / 1.68	1.50 / 1.59	1.44 / 1.53	1620 / 852	3.2 / 3.1	0.78 / 0.54	68.0 / 47.0	3.8 / 2.4	2.2 / 1.6	2.2 / 1.6	15.8	0.0018	6 (2Y/Y)
0.75 / 0.18	90S	2.37 / 0.88	2.26 / 0.84	2.17 / 0.81	1668 / 840	4.3 / 2.0	0.75 / 0.66	64.0 / 47.0	4.0 / 2.4	2.0 / 1.4	2.0 / 1.4	19.3	0.0029	6 (2Y/Y)
1.1 / 0.28	100L	2.86 / 1.15	2.72 / 1.09	2.62 / 1.05	1668 / 840	6.3 / 3.2	0.80 / 0.66	73.0 / 56.0	4.2 / 2.4	1.8 / 1.2	2.3 / 1.9	30.5	0.0034	6 (2Y/Y)
1.5 / 0.37		3.90 / 1.48	3.71 / 1.40	3.57 / 1.35	1716 / 864	8.3 / 4.1	0.80 / 0.68	73.0 / 56.0	4.5 / 2.2	2.2 / 1.5	2.6 / 2.1	30.5	0.0085	6 (2Y/Y)
2.2 / 0.55		5.17 / 2.01	4.92 / 1.91	4.74 / 1.84	1716 / 864	12.2 / 6.1	0.85 / 0.68	76.0 / 61.2	4.6 / 2.7	1.8 / 1.2	2.4 / 1.9	34.3	0.0133	6 (2Y/Y)
3.0 / 0.75	112M	6.96 / 2.70	6.62 / 2.57	6.38 / 2.47	1716 / 864	16.7 / 8.3	0.85 / 0.66	77.0 / 63.9	5.6 / 3.0	2.2 / 1.3	2.8 / 2.3	42.6	0.0140	6 (2Y/Y)
3.7 / 0.93	132S	8.52 / 3.45	8.09 / 3.28	7.80 / 3.16	1716 / 864	20.6 / 10.3	0.80 / 0.61	82.5 / 67.1	6.8 / 4.4	1.6 / 1.7	2.5 / 2.7	55.5	0.0320	6 (2Y/Y)
4.0 / 1.0		9.32 / 3.53	8.86 / 3.35	8.54 / 3.23	1752 / 876	21.8 / 10.9	0.79 / 0.61	82.5 / 70.6	6.8 / 4.4	1.6 / 1.7	2.5 / 2.7	55.5	0.0350	6 (2Y/Y)
5.5 / 1.4	132M	14.2 / 4.10	13.4 / 3.89	13.0 / 3.75	1752 / 876	30.0 / 15.3	0.72 / 0.71	82.0 / 73.1	6.4 / 3.6	1.5 / 1.0	2.3 / 2.0	66.8	0.0400	6 (2Y/Y)
7.5 / 1.9		16.2 / 5.16	15.4 / 4.90	14.9 / 4.73	1752 / 876	40.9 / 20.7	0.83 / 0.74	84.5 / 75.6	7.6 / 3.6	2.0 / 1.4	2.8 / 2.7	66.8	0.0410	6 (2Y/Y)
9.3 / 2.3		19.7 / 6.45	18.7 / 6.13	18.0 / 5.91	1752 / 882	50.7 / 24.9	0.85 / 0.71	84.5 / 76.3	6.9 / 3.7	2.0 / 1.4	2.7 / 2.3	75.0	0.0430	6 (2Y/Y)
11.0 / 2.8	160L	24.6 / 7.66	23.4 / 7.28	22.5 / 7.02	1752 / 882	60.0 / 30.3	0.79 / 0.71	86.0 / 78.2	6.9 / 3.8	2.2 / 1.5	2.7 / 2.3	125.0	0.1010	6 (2Y/Y)
13.0 / 3.3		31.0 / 8.98	29.5 / 8.54	28.4 / 8.23	1752 / 882	70.9 / 35.7	0.74 / 0.71	86.0 / 78.6	6.9 / 3.9	2.2 / 1.5	2.7 / 2.3	135.0	0.1270	6 (2Y/Y)
15.0 / 3.7	180M	31.2 / 9.85	29.6 / 9.35	28.6 / 9.02	1764 / 882	81.2 / 40.1	0.84 / 0.72	87.0 / 79.3	6.9 / 3.1	2.2 / 1.7	2.6 / 2.6	152.0	0.1700	6 (2Y/Y)
17.0 / 4.2		34.8 / 11.2	33.1 / 10.7	31.9 / 10.29	1764 / 882	92.0 / 45.5	0.84 / 0.71	88.3 / 80.0	7.0 / 4.3	2.2 / 1.7	2.3 / 1.9	160.0	0.1800	6 (2Y/Y)
18.5 / 4.7	180L	35.5 / 12.3	33.7 / 11.7	32.5 / 11.3	1764 / 882	100.1 / 50.9	0.87 / 0.71	91.0 / 81.6	7.0 / 4.4	2.0 / 1.7	2.3 / 1.9	172.0	0.1850	6 (2Y/Y)
21.0 / 5.1		39.0 / 13.3	37.0 / 12.7	35.7 / 12.2	1764 / 882	113.7 / 55.2	0.90 / 0.71	91.0 / 81.9	7.0 / 4.5	2.0 / 1.7	2.3 / 1.9	180.0	0.1910	6 (2Y/Y)
22.0 / 5.5	200L	40.4 / 15.8	38.4 / 15.0	37.0 / 14.5	1764 / 882	119.1 / 59.5	0.92 / 0.65	90.4 / 81.8	7.0 / 4.2	2.0 / 1.7	2.6 / 2.3	219.0	0.3300	6 (2Y/Y)
26.0 / 6.5		50.9 / 18.4	48.3 / 17.5	46.6 / 16.9	1770 / 882	140.3 / 70.4	0.86 / 0.65	90.3 / 83.0	7.0 / 4.2	2.0 / 1.7	2.6 / 2.3	230.0	0.3350	6 (2Y/Y)
30.0 / 7.5	225S	57.9 / 21.5	55.0 / 20.4	53.0 / 19.7	1770 / 882	161.8 / 81.2	0.86 / 0.64	91.6 / 83.6	7.0 / 4.2	2.2 / 1.9	2.4 / 1.9	274.0	0.5610	6 (2Y/Y)
34.0 / 8.4	225M	66.0 / 23.0	62.7 / 21.9	60.4 / 21.1	1770 / 882	183.4 / 90.9	0.86 / 0.66	91.6 / 84.0	7.5 / 5.0	2.6 / 1.9	2.5 / 1.8	311.0	0.6510	6 (2Y/Y)
37.0 / 9.3		72.5 / 22.0	68.9 / 20.9	66.4 / 20.1	1770 / 882	199.6 / 100.7	0.86 / 0.76	90.7 / 84.5	7.5 / 5.0	2.6 / 1.9	2.5 / 1.8	311.0	0.6650	6 (2Y/Y)
41.0 / 10.3		79.9 / 24.2	75.9 / 23.0	73.1 / 22.2	1770 / 882	221.2 / 111.5	0.86 / 0.76	90.7 / 85.0	7.5 / 5.0	2.6 / 1.9	2.5 / 1.8	323.0	0.6700	6 (2Y/Y)
45.0 / 11.0	250M	85.0 / 26.0	80.7 / 24.7	77.8 / 23.8	1770 / 882	242.8 / 119.1	0.87 / 0.75	92.5 / 86.3	7.5 / 5.0	2.5 / 2.2	2.5 / 2.0	388.0	1.0300	6 (2Y/Y)
48.5 / 12.1		92 / 28.7	87.8 / 27.3	84.7 / 26.3	1770 / 882	261.7 / 131.0	0.87 / 0.75	91.6 / 86.0	7.5 / 5.0	2.5 / 2.2	2.5 / 2.0	388.0	1.0420	6 (2Y/Y)
52.0 / 13.1		98 / 31.1	93 / 29.5	90 / 28.4	1770 / 882	280.5 / 141.8	0.88 / 0.75	91.6 / 86.0	7.5 / 5.0	2.3 / 2.0	2.5 / 2.0	388.0	1.0620	6 (2Y/Y)
55.0 / 14.0		103 / 32.1	98 / 30.5	95 / 29.4	1770 / 882	296.7 / 151.6	0.88 / 0.77	92.0 / 86.0	7.9 / 5.0	2.3 / 2.0	2.5 / 2.0	410.0	1.0820	6 (2Y/Y)
60.0 / 15.0		113 / 34.0	107 / 32.3	103 / 31.2	1770 / 882	323.7 / 162.4	0.88 / 0.77	92.0 / 87.0	7.9 / 5.0	2.6 / 2.1	2.5 / 2.0	410.0	1.0950	6 (2Y/Y)
63.0 / 15.9		118 / 39.4	112 / 37.4	108 / 36.1	1782 / 882	337.6 / 172.1	0.88 / 0.71	92.0 / 87.0	7.9 / 5.0	2.6 / 2.1	2.5 / 2.0	470.0	1.0980	6 (2Y/Y)
67.0 / 16.8		126 / 41.3	119 / 39.3	115 / 37.8	1782 / 882	359.0 / 181.9	0.88 / 0.71	92.0 / 87.0	7.9 / 5.0	2.6 / 2.1	2.5 / 2.0	470.0	1.1020	6 (2Y/Y)
75.0 / 18.5		140 / 46.0	133 / 43.7	128 / 42.1	1782 / 882	401.9 / 200.3	0.88 / 0.70	92.4 / 87.3	7.9 / 5.0	2.6 / 2.1	2.5 / 2.0	485.0	1.1030	6 (2Y/Y)
78.0 / 19.6		146 / 48.5	138 / 46.0	133 / 44.4	1782 / 882	418.0 / 212.2	0.88 / 0.70	92.4 / 87.8	7.9 / 5.0	2.6 / 2.1	2.5 / 2.0	485.0	1.1050	6 (2Y/Y)
93.0 / 23.3	280M	174 / 57.5	165 / 54.6	159 / 52.6	1782 / 882	498.3 / 252.3	0.88 / 0.70	92.4 / 88.0	8.0 / 5.5	2.5 / 2.0	2.3 / 2.0	600.0	1.8120	6 (2Y/Y)
110.0 / 27.5	315L	206 / 67.4	195 / 64.0	188 / 61.7	1782 / 882	589.4 / 297.7	0.88 / 0.70	92.4 / 88.6	8.2 / 5.0	2.3 / 2.0	2.3 / 2.0	1,010.0	3.9650	6 (2Y/Y)
200.0 / 50.0		374 / 120	355 / 114	342 / 109	1782 / 882	1,071.7 / 541.3	0.88 / 0.70	92.4 / 90.8	8.5 / 5.5	2.3 / 2.0	2.3 / 2.0	1,170.0	4.4710	6 (2Y/Y)

IE3 PERFORMANCE DATA:

2/4 Pole Single Winding / 60Hz

Rated Power kW	Frame size	Rated Current(A) (I _{FL})			Rated Speed RPM.	Rated Torque (T _{FL}) N.M	Power Factor (cosΦ)	Efficiency Full load %	Starting Current (I _{ST} / I _{FL})	Starting Torque (T _{ST} / T _{FL})	Maximum Torque (T _M / T _{FL})	Weight (kg)	Moment of inertia (kgm ²)	No. of Wires (connection)
		At 380V	At 400V	At 400V										
0.37 / 0.18	71	1.01 / 0.90	0.96 / 0.85	0.93 / 0.82	3300 / 1620	1.1 / 5.3	0.78 / 0.50	71.2 / 61.0	3.3 / 4.3	1.8 / 2.1	1.4 / 1.9	10.0	0.0004	6 (2Y/Y)
0.75 / 0.18	80	1.90 / 0.90	1.80 / 0.85	1.74 / 0.82	3420 / 1728	2.1 / 5.0	0.80 / 0.50	75.0 / 61.0	4.1 / 3.5	1.5 / 2.3	2.2 / 1.6	16.5	0.0010	6 (2Y/Y)
0.90 / 0.18		2.25 / 0.90	2.14 / 0.85	2.06 / 0.82	3420 / 1728	2.5 / 5.0	0.80 / 0.50	76.0 / 61.0	5.0 / 4.1	2.1 / 2.3	2.2 / 1.6	18.5	0.0011	6 (2Y/Y)
1.1 / 0.28	90L	2.61 / 1.13	2.48 / 1.07	2.39 / 1.03	3432 / 1752	3.1 / 6.1	0.82 / 0.60	78.0 / 63.0	5.3 / 4.2	2.3 / 2.5	2.0 / 1.4	25.0	0.0023	6 (2Y/Y)
1.5 / 0.37		3.45 / 1.39	3.28 / 1.32	3.16 / 1.27	3432 / 1752	4.2 / 7.6	0.82 / 0.61	80.6 / 66.5	5.4 / 4.4	2.3 / 2.4	2.3 / 1.9	25.0	0.0030	6 (2Y/Y)
2.2 / 0.55	112M	4.77 / 1.86	4.53 / 1.77	4.36 / 1.70	3450 / 1740	6.1 / 10.2	0.85 / 0.61	82.5 / 73.6	5.9 / 4.4	2.1 / 1.2	2.6 / 2.1	43.0	0.0060	6 (2Y/Y)
3.0 / 0.75		6.25 / 2.54	5.94 / 2.41	5.72 / 2.32	3450 / 1740	8.3 / 13.9	0.87 / 0.61	84.3 / 73.6	6.3 / 4.8	2.2 / 1.4	2.8 / 2.8	43.0	0.0070	6 (2Y/Y)
3.6 / 0.76		7.43 / 2.61	7.06 / 2.48	6.80 / 2.39	3450 / 1740	10.0 / 14.3	0.87 / 0.60	84.6 / 73.8	6.3 / 4.8	2.2 / 1.4	2.8 / 2.8	43.0	0.0075	6 (2Y/Y)
3.7 / 0.93		7.58 / 2.72	7.20 / 2.58	6.94 / 2.49	3450 / 1740	10.2 / 14.9	0.87 / 0.70	85.7 / 74.3	6.3 / 4.8	2.2 / 1.4	2.8 / 2.8	43.0	0.0080	6 (2Y/Y)
4.0 / 1.0	132S	8.15 / 2.82	7.74 / 2.67	7.46 / 2.58	3456 / 1746	11.1 / 15.4	0.87 / 0.70	85.7 / 77.1	7.0 / 6.0	1.9 / 1.9	2.3 / 2.8	60.0	0.0170	6 (2Y/Y)
5.5 / 1.4		11.5 / 3.90	10.9 / 3.70	10.5 / 3.57	3456 / 1746	15.2 / 21.3	0.85 / 0.70	85.7 / 78.0	7.0 / 6.0	2.0 / 2.6	2.6 / 3.0	69.0	0.0180	6 (2Y/Y)
7.5 / 1.9	132M	15.5 / 4.97	14.7 / 4.72	14.2 / 4.55	3468 / 1746	20.7 / 27.2	0.85 / 0.74	87.2 / 79.0	7.0 / 6.5	2.5 / 2.7	2.7 / 3.3	82.0	0.0190	6 (2Y/Y)
11.0 / 2.8	160M	21.3 / 6.92	20.2 / 6.57	19.5 / 6.33	3492 / 1758	30.1 / 37.6	0.88 / 0.75	89.3 / 82.0	5.9 / 6.1	1.5 / 2.4	2.3 / 2.8	109.0	0.0600	6 (2Y/Y)
15.0 / 3.7	160L	28.7 / 8.92	27.3 / 8.48	26.3 / 8.17	3516 / 1758	40.7 / 48.5	0.88 / 0.75	90.2 / 84.0	6.6 / 6.3	1.8 / 2.5	2.4 / 2.8	130.0	0.0670	6 (2Y/Y)
18.5 / 4.7		35.2 / 11.2	33.4 / 10.64	32.2 / 10.26	3516 / 1758	50.2 / 60.8	0.88 / 0.75	90.8 / 85.0	6.6 / 6.3	2.3 / 2.5	2.9 / 2.8	136.0	0.0780	6 (2Y/Y)
22.0 / 5.5	180M	41.8 / 13.0	39.7 / 12.31	38.3 / 11.86	3528 / 1764	59.5 / 70.1	0.88 / 0.75	91.3 / 86.0	7.0 / 5.3	2.1 / 2.1	2.6 / 2.3	172.0	0.1180	6 (2Y/Y)
30.0 / 7.5	200L	56.0 / 16.8	53.2 / 16.0	51.3 / 15.38	3540 / 1764	80.9 / 90.9	0.89 / 0.78	92.0 / 87.0	7.1 / 6.2	2.0 / 2.0	2.5 / 2.2	223.0	0.2050	6 (2Y/Y)
37.0 / 9.3	225M	68.4 / 20.1	65.0 / 19.1	62.7 / 18.4	3546 / 1770	99.6 / 108.3	0.89 / 0.80	92.3 / 88.0	7.4 / 6.2	2.0 / 2.0	2.6 / 2.3	302.0	0.3110	6 (2Y/Y)
45.0 / 11.0		82.8 / 23.5	78.6 / 22.4	75.8 / 21.5	3546 / 1770	121.2 / 126.9	0.89 / 0.80	92.8 / 88.8	7.7 / 5.6	2.2 / 2.1	3.0 / 2.5	302.0	0.3250	6 (2Y/Y)
55.0 / 14.0	250M	100 / 29.6	95 / 28.1	91.7 / 27.1	3558 / 1770	147.6 / 159.5	0.89 / 0.81	93.8 / 88.8	7.3 / 5.4	2.0 / 2.0	2.6 / 2.2	382.0	0.4920	6 (2Y/Y)
75.0 / 18.5		137 / 39.1	130 / 37.1	125 / 35.8	3558 / 1776	201.3 / 210.2	0.89 / 0.81	93.7 / 89.3	8.9 / 5.5	2.3 / 2.0	3.1 / 2.2	466.0	0.5210	6 (2Y/Y)

IE3 PERFORMANCE DATA:

4/6 Pole Two Separate Windings / 60Hz

Rated Power kW	Frame size	Rated Current(A) (I _{FL})			Rated Speed RPM.	Rated Torque (T _{FL}) N.M	Power Factor (cosΦ)	Efficiency Full load %	Starting Current (I _{ST} / I _{FL})	Starting Torque (T _{ST} / T _{FL})	Maximum Torque (T _M / T _{FL})	Weight (kg)	Moment of inertia (kgm ²)	No. of Wires (connection)
		At 380V	At 400V	At 400V										
0.37 / 0.16	90S	1.09 / 0.76	1.04 / 0.72	1.00 / 0.69	1620 / 1116	2.2 / 1.4	0.74 / 0.59	70.0 / 55.0	2.9 / 3.1	1.4 / 1.5	1.4 / 1.5	25.9	0.0040	3+3 (Y/Y)
0.55 / 0.25	90L	1.46 / 1.04	1.39 / 0.99	1.34 / 0.95	1620 / 1116	3.2 / 2.1	0.79 / 0.64	73.0 / 57.0	2.9 / 3.1	1.4 / 1.5	1.4 / 1.5	29.3	0.0056	3+3 (Y/Y)
0.75 / 0.33		1.90 / 1.19	1.80 / 1.13	1.74 / 1.09	1620 / 1128	4.4 / 2.8	0.80 / 0.67	75.0 / 63.0	2.9 / 3.1	1.4 / 1.5	1.4 / 1.5	29.3	0.0060	3+3 (Y/Y)
1.1 / 0.50	100L	2.65 / 1.67	2.51 / 1.58	2.42 / 1.53	1668 / 1152	6.3 / 4.1	0.82 / 0.67	77.0 / 68.0	4.2 / 2.6	1.8 / 1.0	2.2 / 1.7	34.0	0.0085	3+3 (Y/Y)
1.5 / 0.66		3.52 / 2.14	3.34 / 2.03	3.22 / 1.96	1668 / 1152	8.6 / 5.5	0.82 / 0.68	79.0 / 69.0	4.3 / 2.9	1.7 / 1.0	2.1 / 1.8	39.5	0.0130	3+3 (Y/Y)
2.2 / 1.0	112M	5.16 / 2.97	4.90 / 2.82	4.72 / 2.72	1716 / 1163	12.2 / 8.2	0.80 / 0.70	81.0 / 73.0	5.0 / 3.3	1.8 / 1.0	2.4 / 1.9	47.0	0.0140	3+3 (Y/Y)
3.0 / 1.34		7.03 / 3.88	6.68 / 3.68	6.44 / 3.55	1716 / 1163	16.7 / 11.0	0.80 / 0.70	81.0 / 75.0	6.0 / 4.0	1.3 / 1.0	2.3 / 2.2	47.6	0.0150	3+3 (Y/Y)
3.0 / 1.34	132S	6.82 / 3.99	6.48 / 3.79	6.25 / 3.66	1716 / 1170	16.7 / 10.9	0.82 / 0.68	81.5 / 75.0	6.0 / 4.0	1.3 / 1.0	2.3 / 2.2	67.0	0.0320	3+3 (Y/Y)
3.7 / 1.66		8.36 / 4.82	7.94 / 4.58	7.66 / 4.41	1716 / 1170	20.6 / 13.5	0.82 / 0.68	82.0 / 77.0	6.5 / 4.2	1.5 / 1.0	2.3 / 2.2	68.8	0.0330	3+3 (Y/Y)
4.0 / 1.8		8.82 / 5.22	8.38 / 4.96	8.08 / 4.78	1752 / 1152	21.8 / 14.9	0.82 / 0.68	84.0 / 77.0	6.5 / 4.2	1.5 / 1.0	2.3 / 2.2	67.8	0.0340	3+3 (Y/Y)
5.5 / 2.5	132M	11.9 / 6.77	11.3 / 6.43	10.9 / 6.20	1752 / 1152	30.0 / 20.7	0.82 / 0.71	86.0 / 79.0	7.1 / 4.5	1.8 / 1.3	2.5 / 2.0	82.0	0.0400	3+3 (Y/Y)
7.5 / 3.3	160M	15.9 / 8.39	15.1 / 7.97	14.5 / 7.68	1752 / 1158	40.9 / 27.2	0.82 / 0.74	87.6 / 81.3	7.1 / 4.5	1.8 / 1.3	2.5 / 2.0	115.0	0.1010	3+3 (Y/Y)
9.3 / 4.1		19.7 / 10.42	18.7 / 9.90	18.0 / 9.55	1752 / 1158	50.7 / 33.8	0.82 / 0.72	87.5 / 83.0	7.1 / 4.5	1.8 / 1.3	2.5 / 2.0	115.0	0.1050	3+3 (Y/Y)
11.0 / 5.0	160L	23.1 / 12.7	21.9 / 12.1	21.1 / 11.6	1752 / 1158	60.0 / 41.2	0.82 / 0.72	88.3 / 83.0	6.4 / 4.1	2.0 / 1.3	2.5 / 1.7	135.0	0.1270	3+3 (Y/Y)
13.0 / 5.8		27.3 / 14.3	25.9 / 13.6	25.0 / 13.1	1752 / 1158	70.9 / 47.8	0.82 / 0.72	88.3 / 85.3	6.9 / 4.6	2.2 / 1.5	2.6 / 1.9	135.0	0.1320	3+3 (Y/Y)
15.0 / 6.6	180M	31.2 / 16.3	29.7 / 15.5	28.6 / 15.0	1764 / 1176	81.2 / 53.6	0.82 / 0.72	89.0 / 85.3	6.9 / 4.6	2.2 / 1.5	2.6 / 1.9	170.0	0.1710	3+3 (Y/Y)
17.0 / 7.5	180L	35.4 / 19.0	33.6 / 18.1	32.4 / 17.4	1764 / 1176	92.0 / 60.9	0.82 / 0.70	89.0 / 85.5	6.9 / 4.6	2.2 / 1.5	2.6 / 1.9	184.0	0.1850	3+3 (Y/Y)
18.5 / 8.2		37.8 / 20.1	35.9 / 19.1	34.6 / 18.4	1764 / 1176	100.1 / 66.6	0.82 / 0.72	90.6 / 86.0	7.2 / 5.0	2.4 / 1.8	2.7 / 2.0	184.0	0.1920	3+3 (Y/Y)
21.0 / 9.1		42.9 / 22.5	40.8 / 21.4	39.3 / 20.6	1764 / 1176	113.7 / 73.9	0.82 / 0.71	90.6 / 86.4	7.2 / 5.0	2.4 / 1.8	2.7 / 2.0	184.0	0.1950	3+3 (Y/Y)
22.0 / 9.9	200L	44.8 / 23.2	42.6 / 22.0	41.0 / 21.2	1764 / 1176	119.1 / 80.4	0.82 / 0.74	91.0 / 87.6	7.7 / 7.8	1.6 / 1.9	2.8 / 2.9	235.0	0.3300	3+3 (Y/Y)
26.0 / 11.6		52.9 / 27.1	50.3 / 25.7	48.5 / 24.8	1770 / 1182	140.3 / 93.7	0.82 / 0.74	91.0 / 88.0	7.7 / 7.8	1.6 / 1.9	2.8 / 2.9	235.0	0.3350	3+3 (Y/Y)
30.0 / 13.3		61.1 / 30.3	58.0 / 28.8	55.9 / 27.8	1770 / 1182	161.8 / 107.4	0.82 / 0.76	91.0 / 88.3	7.7 / 7.8	1.6 / 1.9	2.8 / 2.9	245.0	0.3410	3+3 (Y/Y)
34.0 / 15.0	225S	68.9 / 34.9	65.4 / 33.1	63.0 / 31.9	1770 / 1182	183.4 / 121.2	0.82 / 0.74	91.5 / 88.3	7.7 / 6.7	1.5 / 1.3	2.7 / 2.3	290.0	0.5610	3+3 (Y/Y)
37.0 / 16.6	225M	74.9 / 39.7	71.2 / 37.7	68.6 / 36.3	1770 / 1182	199.6 / 134.1	0.82 / 0.72	91.5 / 88.3	7.7 / 6.7	1.5 / 1.3	2.7 / 2.3	326.0	0.6510	3+3 (Y/Y)
41.0 / 18.2		79.2 / 40.2	75.2 / 38.2	72.5 / 36.8	1770 / 1182	221.2 / 147.0	0.86 / 0.77	92.0 / 89.3	8.4 / 6.8	1.7 / 1.4	3.0 / 2.3	326.0	0.6520	3+3 (Y/Y)
45.0 / 19.9	250M	87.2 / 44.0	82.8 / 41.8	79.8 / 40.3	1770 / 1182	242.8 / 160.8	0.85 / 0.77	92.8 / 89.3	8.4 / 6.8	1.7 / 1.4	3.0 / 2.3	385.0	1.5610	3+3 (Y/Y)
48.5 / 21.6		93 / 47.7	88.6 / 45.3	85.4 / 43.7	1770 / 1182	261.7 / 174.5	0.86 / 0.77	92.4 / 89.3	8.4 / 6.8	1.7 / 1.4	3.0 / 2.3	385.0	1.6520	3+3 (Y/Y)
52.0 / 23.2		99 / 50.9	94 / 48.3	91 / 46.6	1770 / 1182	280.5 / 187.4	0.86 / 0.77	92.4 / 90.0	8.4 / 6.8	1.7 / 1.4	3.0 / 2.3	385.0	1.7230	3+3 (Y/Y)
55.0 / 24.8		105 / 54.1	100 / 51.4	96 / 49.6	1770 / 1182	296.7 / 200.4	0.86 / 0.77	92.4 / 90.4	7.5 / 7.3	2.4 / 3.0	2.7 / 2.6	385.0	1.8240	3+3 (Y/Y)
60.0 / 26.5	280S	115 / 57.1	109 / 54.2	105 / 52.3	1770 / 1182	323.7 / 214.1	0.86 / 0.78	92.4 / 90.4	7.5 / 7.3	2.4 / 3.0	2.7 / 2.6	515.0	1.9330	6+3 (ΔY/Y)
63.0 / 28.2		120 / 60.4	114 / 57.4	110 / 55.3	1782 / 1182	337.6 / 227.8	0.86 / 0.79	92.4 / 90.4	7.5 / 7.3	2.4 / 3.0	2.7 / 2.6	515.0	2.0310	6+3 (ΔY/Y)
67.0 / 30.0		127 / 65.5	120 / 62.2	116 / 60.0	1782 / 1182	359.0 / 242.4	0.87 / 0.77	93.0 / 91.0	7.5 / 7.3	2.4 / 3.0	2.7 / 2.6	515.0	2.1320	6+3 (ΔY/Y)
75.0 / 33.1		141 / 71.8	134 / 68.2	129 / 65.7	1782 / 1182	401.9 / 267.4	0.87 / 0.77	93.0 / 91.0	7.5 / 7.3	2.4 / 3.0	2.7 / 2.6	515.0	2.2210	6+3 (ΔY/Y)
90.0 / 40.0	280M	169 / 85.6	160 / 81.3	154 / 78.4	1782 / 1176	482.3 / 324.8	0.87 / 0.78	93.2 / 91.0	7.8 / 7.5	2.5 / 2.4	2.8 / 2.7	600.0	1.8210	6+3 (ΔY/Y)
94.0 / 42.0		176 / 89.6	167 / 85.1	161 / 82.1	1782 / 1182	503.7 / 339.3	0.87 / 0.78	93.2 / 91.3	7.8 / 7.5	2.5 / 2.4	2.8 / 2.7	600.0	1.8320	6+3 (ΔY/Y)
110.0 / 49.0	315S	205 / 101	195 / 96	188 / 92.6	1782 / 1182	589.4 / 395.9	0.87 / 0.80	93.5 / 92.0	8.5 / 7.8	2.7 / 2.5	2.8 / 2.8	1,017.0	3.9770	6+3 (ΔY/Y)
132.0 / 59.0	315M	247 / 122	234 / 116	226 / 112	1782 / 1182	707.3 / 476.6	0.87 / 0.80	93.5 / 92.0	8.5 / 7.8	2.7 / 2.5	2.8 / 2.8	1,070.0	4.7520	6+3 (ΔY/Y)

IE3 PERFORMANCE DATA:

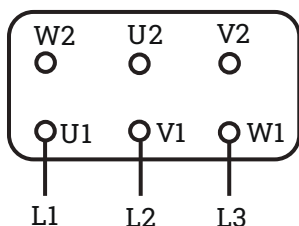
4/8 Pole Single Winding / 60Hz

Rated Power kW	Frame size	Rated Current(A) (I _{FL})			Rated Speed RPM.	Rated Torque (T _{FL}) N.M	Power Factor (cosΦ)	Efficiency Full load %	Starting Current (I _{ST} / I _{FL})	Starting Torque (T _{ST} / T _{FL})	Maximum Torque (T _M / T _{FL})	Weight (kg)	Moment of inertia (kgm ²)	No. of Wires (connector)
		At 380V	At 400V	At 400V										
0.37 / 0.18	80	1.65 / 0.86	1.57 / 0.82	1.51 / 0.79	1620 / 852	2.2 / 2.0	0.54 / 0.66	63.0 / 48.3	3.8 / 2.4	1.3 / 1.8	1.4 / 1.9	18.0	0.0016	6 (2Y/Y)
0.55 / 0.18		1.81 / 0.86	1.72 / 0.82	1.66 / 0.79	1620 / 852	3.2 / 2.0	0.69 / 0.66	67.0 / 48.3	3.8 / 2.4	2.2 / 1.6	2.2 / 1.6	19.5	0.0017	6 (2Y/Y)
0.55 / 0.28		1.58 / 1.57	1.50 / 1.49	1.44 / 1.44	1620 / 852	3.2 / 3.1	0.78 / 0.54	68.0 / 50.2	3.8 / 2.4	2.2 / 1.6	2.2 / 1.6	19.5	0.0018	6 (2Y/Y)
0.75 / 0.18	90S	2.37 / 0.83	2.26 / 0.78	2.17 / 0.76	1668 / 840	4.3 / 2.0	0.75 / 0.66	64.0 / 50.2	4.0 / 2.4	2.0 / 1.4	2.0 / 1.4	25.9	0.0029	6 (2Y/Y)
1.1 / 0.28	100L	2.86 / 1.07	2.72 / 1.02	2.62 / 0.98	1668 / 840	6.3 / 3.2	0.80 / 0.66	73.0 / 60.3	4.2 / 2.4	1.8 / 1.2	2.3 / 1.9	34.0	0.0034	6 (2Y/Y)
1.5 / 0.37		3.90 / 1.37	3.71 / 1.30	3.57 / 1.26	1716 / 864	8.3 / 4.1	0.80 / 0.68	73.0 / 60.3	4.5 / 2.2	2.2 / 1.5	2.6 / 2.1	34.0	0.0085	6 (2Y/Y)
2.2 / 0.55		5.17 / 1.95	4.92 / 1.85	4.74 / 1.78	1716 / 864	12.2 / 6.1	0.85 / 0.68	76.0 / 63.1	4.6 / 2.7	1.8 / 1.2	2.4 / 1.9	39.5	0.0133	6 (2Y/Y)
3.0 / 0.75	112M	6.96 / 2.62	6.62 / 2.49	6.38 / 2.40	1716 / 864	16.7 / 8.3	0.85 / 0.66	77.0 / 65.8	5.6 / 3.0	2.2 / 1.3	2.8 / 2.3	47.6	0.0140	6 (2Y/Y)
3.7 / 0.93	132S	8.52 / 3.34	8.09 / 3.18	7.80 / 3.06	1716 / 864	20.6 / 10.3	0.80 / 0.61	82.5 / 69.3	6.8 / 4.4	1.6 / 1.7	2.5 / 2.7	67.8	0.0320	6 (2Y/Y)
4.0 / 1.0		9.32 / 3.44	8.86 / 3.26	8.54 / 3.15	1752 / 876	21.8 / 10.9	0.79 / 0.61	82.5 / 72.5	6.8 / 4.4	1.6 / 1.7	2.5 / 2.7	67.8	0.0350	6 (2Y/Y)
5.5 / 1.4	132M	14.2 / 3.99	13.4 / 3.79	13.0 / 3.65	1752 / 876	30.0 / 15.3	0.72 / 0.71	82.0 / 75.1	6.4 / 3.6	1.5 / 1.0	2.3 / 2.0	82.0	0.0400	6 (2Y/Y)
7.5 / 1.9		16.2 / 5.05	15.4 / 4.80	14.9 / 4.63	1752 / 876	40.9 / 20.7	0.83 / 0.74	84.5 / 77.2	7.6 / 3.6	2.0 / 1.4	2.8 / 2.7	82.0	0.0410	6 (2Y/Y)
9.3 / 2.3		19.7 / 6.29	18.7 / 5.98	18.0 / 5.76	1752 / 882	50.7 / 24.9	0.85 / 0.71	84.5 / 78.2	6.9 / 3.7	2.0 / 1.4	2.7 / 2.3	85.0	0.0430	6 (2Y/Y)
11.0 / 2.8	160L	24.6 / 7.53	23.4 / 7.15	22.5 / 6.89	1752 / 882	60.0 / 30.3	0.79 / 0.71	86.0 / 79.6	6.9 / 3.8	2.2 / 1.5	2.7 / 2.3	135.0	0.1010	6 (2Y/Y)
13.0 / 3.3		31.0 / 8.83	29.5 / 8.39	28.4 / 8.08	1752 / 882	70.9 / 35.7	0.74 / 0.71	86.0 / 80.0	6.9 / 3.9	2.2 / 1.5	2.7 / 2.3	135.0	0.1270	6 (2Y/Y)
15.0 / 3.7	180M	31.2 / 9.70	29.6 / 9.21	28.6 / 8.88	1764 / 882	81.2 / 40.1	0.84 / 0.72	87.0 / 80.5	6.9 / 3.1	2.2 / 1.7	2.6 / 2.6	170.0	0.1700	6 (2Y/Y)
17.0 / 4.2		34.5 / 11.1	32.8 / 10.57	31.6 / 10.19	1764 / 882	92.0 / 45.5	0.84 / 0.71	89.1 / 80.8	7.0 / 4.3	2.2 / 1.7	2.3 / 1.9	176.0	0.1800	6 (2Y/Y)
18.5 / 4.7	180L	35.2 / 12.3	33.4 / 11.65	32.2 / 11.2	1764 / 882	100.1 / 50.9	0.87 / 0.71	91.8 / 82.0	7.0 / 4.4	2.0 / 1.7	2.3 / 1.9	184.0	0.1850	6 (2Y/Y)
21.0 / 5.1		38.6 / 13.2	36.7 / 12.57	35.4 / 12.1	1764 / 882	113.7 / 55.2	0.90 / 0.71	91.8 / 82.5	7.0 / 4.5	2.0 / 1.7	2.3 / 1.9	190.0	0.1910	6 (2Y/Y)
22.0 / 5.5	200L	40.1 / 15.7	38.1 / 14.92	36.8 / 14.4	1764 / 882	119.1 / 59.5	0.92 / 0.65	91.0 / 82.5	7.0 / 4.2	2.0 / 1.7	2.6 / 2.3	235.0	0.3300	6 (2Y/Y)
26.0 / 6.5		50.5 / 18.2	48.0 / 17.30	46.2 / 16.7	1770 / 882	140.3 / 70.4	0.86 / 0.65	91.0 / 84.1	7.0 / 4.2	2.0 / 1.7	2.6 / 2.3	235.0	0.3350	6 (2Y/Y)
30.0 / 7.5	225S	57.6 / 21.3	54.7 / 20.27	52.8 / 19.5	1770 / 882	161.8 / 81.2	0.86 / 0.64	92.0 / 84.1	7.0 / 4.2	2.2 / 1.9	2.4 / 1.9	290.0	0.5610	6 (2Y/Y)
34.0 / 8.4	225M	65.3 / 23.6	62.0 / 22.38	59.8 / 21.6	1770 / 882	183.4 / 90.9	0.86 / 0.64	92.0 / 85.3	7.5 / 5.0	2.6 / 1.9	2.5 / 1.8	326.0	0.6510	6 (2Y/Y)
37.0 / 9.3		71.9 / 24.9	68.3 / 23.65	65.8 / 22.8	1770 / 882	199.6 / 100.7	0.86 / 0.66	91.5 / 86.0	7.5 / 5.0	2.6 / 1.9	2.5 / 1.8	326.0	0.6650	6 (2Y/Y)
41.0 / 10.3		79.6 / 23.9	75.6 / 22.75	72.9 / 21.9	1770 / 882	221.2 / 111.5	0.86 / 0.76	91.5 / 86.0	7.5 / 5.0	2.6 / 1.9	2.5 / 1.8	350.0	0.6700	6 (2Y/Y)
45.0 / 11.0	250M	85.5 / 25.3	81.2 / 24.01	78.3 / 23.1	1770 / 882	242.8 / 119.1	0.86 / 0.76	93.0 / 87.0	7.5 / 5.0	2.5 / 2.2	2.5 / 2.0	385.0	1.0300	6 (2Y/Y)
48.5 / 12.1		92 / 28.2	87.1 / 26.8	83.9 / 25.8	1770 / 882	261.7 / 131.0	0.87 / 0.75	92.4 / 87.0	7.5 / 5.0	2.5 / 2.2	2.5 / 2.0	385.0	1.0420	6 (2Y/Y)
52.0 / 13.1		98 / 30.7	93 / 29.2	90 / 28.1	1770 / 882	280.5 / 141.8	0.87 / 0.75	92.4 / 87.0	7.5 / 5.0	2.3 / 2.0	2.5 / 2.0	385.0	1.0620	6 (2Y/Y)
55.0 / 14.0		104 / 32.8	99 / 31.2	95 / 30.1	1770 / 882	296.7 / 151.6	0.87 / 0.75	92.6 / 87.0	7.9 / 5.0	2.3 / 2.0	2.5 / 2.0	385.0	1.0820	6 (2Y/Y)
60.0 / 15.0	280S	112 / 34.8	106 / 33.0	102 / 31.8	1770 / 882	323.7 / 162.4	0.88 / 0.75	92.6 / 88.0	7.9 / 5.0	2.6 / 2.1	2.5 / 2.0	515.0	1.0950	6 (2Y/Y)
63.0 / 15.9		117 / 35.7	112 / 33.9	108 / 32.6	1782 / 882	337.6 / 172.1	0.88 / 0.77	92.6 / 88.0	7.9 / 5.0	2.6 / 2.1	2.5 / 2.0	515.0	1.0980	6 (2Y/Y)
67.0 / 16.8		125 / 37.7	119 / 35.8	114 / 34.5	1782 / 882	359.0 / 181.9	0.88 / 0.77	92.6 / 88.0	7.9 / 5.0	2.6 / 2.1	2.5 / 2.0	530.0	1.1020	6 (2Y/Y)
75.0 / 18.5		139 / 45.3	132 / 43.0	127 / 41.5	1782 / 882	401.9 / 200.3	0.88 / 0.71	93.0 / 88.0	7.9 / 5.0	2.6 / 2.1	2.5 / 2.0	550.0	1.1030	6 (2Y/Y)
78.0 / 19.6	280M	145 / 47.3	138 / 45.0	133 / 43.3	1782 / 882	418.0 / 212.2	0.88 / 0.71	93.0 / 88.6	7.9 / 5.0	2.6 / 2.1	2.5 / 2.0	630.0	1.1050	6 (2Y/Y)
93.0 / 23.3		173 / 56.9	164 / 54.0	158 / 52.1	1782 / 882	498.3 / 252.3	0.88 / 0.70	93.0 / 88.9	8.0 / 5.0	2.5 / 2.0	2.3 / 2.0	650.0	1.8120	6 (2Y/Y)
110.0 / 27.5	315L	204 / 66.8	194 / 63.4	187 / 61.1	1782 / 882	589.4 / 297.7	0.88 / 0.70	93.0 / 89.4	8.2 / 5.0	2.3 / 2.0	2.3 / 2.0	1,010.0	3.9650	6 (2Y/Y)
200.0 / 50.0		371 / 119	353 / 113	340 / 109	1782 / 882	1,071.7 / 541.3	0.88 / 0.70	93.0 / 91.4	8.5 / 5.5	2.3 / 2.0	2.3 / 2.0	1,170.0	4.4710	6 (2Y/Y)

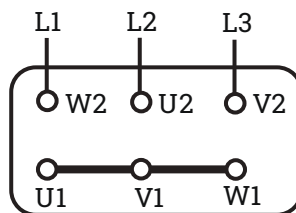
Connection

Dual Speed

One separate windings, wire connection 2Y/Y : (2P/4P or 4P/8P)

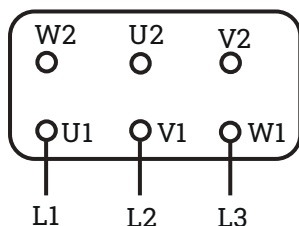


Low speed Y - Connection

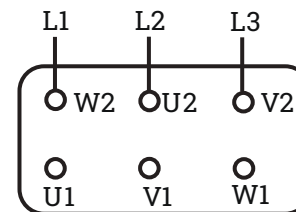


High speed 2Y - Connection

Two separate windings, wire connection Y/Y : (4P/6P)

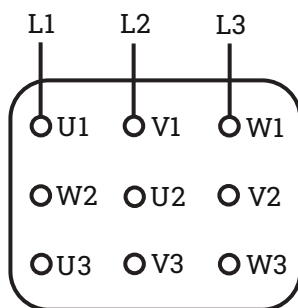


Low speed Y - Connection

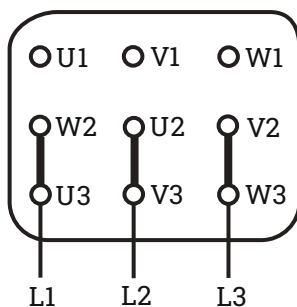


High speed Y - Connection

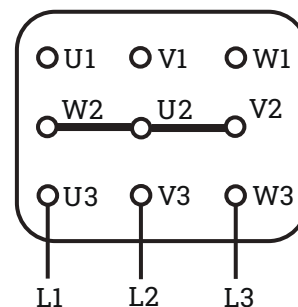
Two separate windings, wire connection Δ Y/Y : (4P/6P)



Low speed Y(6P) - Connection



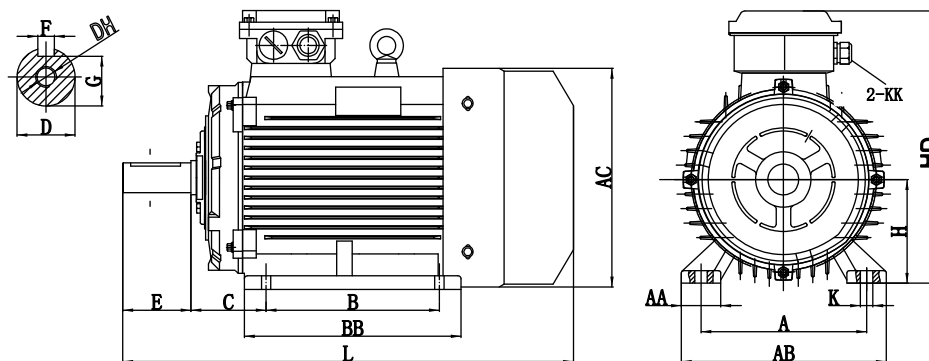
High speed Δ (4P) - Connection



High speed Y(4P) - Connection

Note: * The above connections are for reference only, actual connection shown on the terminal box of motor.

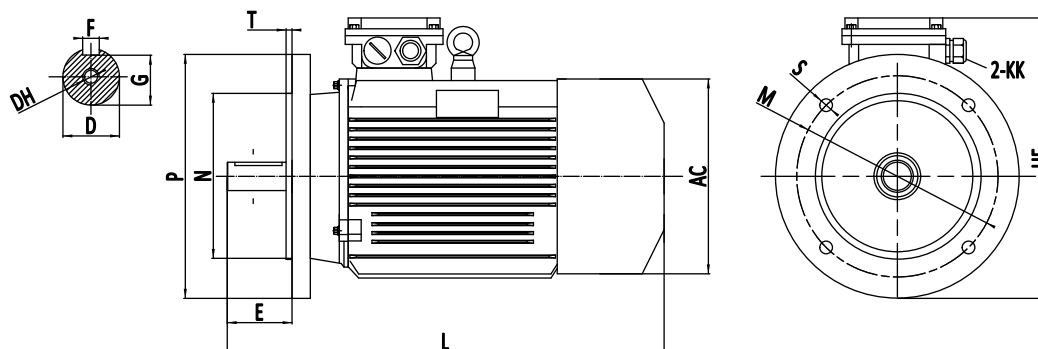
B3 Mounting Dimension



Frame size	poles	Mounting dimensions (mm.)										Overall dimensions (mm.)					
		A	B	C	D	E	F	G	H	K	DH	AB	AC	HD	BB	AA	L
71	2, 4, 6	112	90	45	14	30	5	11	71	7	M5*13	136	139	185	107	24	247
80	2, 4, 6, 8	125	100	50	19	40	6	15.5	80	10	M6*16	158	157	229	131	33	280
90S	2, 4, 6, 8	140	100	56	24	50	8	20	90	10	M8*20	180	176	245	140	36	316
90L	2, 4, 6, 8	140	125	56	24	50	8	20	90	10	M8*20	180	176	245	165	36	340
100L	2, 4, 6, 8	160	140	63	28	60	8	24	100	12	M10*20	198	196	258	175	38	376
112M	2, 4, 6, 8	190	140	70	28	60	8	24	112	12	M10*25	230	220	306	170	45	400
132S	2, 4, 6, 8	216	140	89	38	80	10	33	132	12	M12*30	262	258	340	178	50	441
132M	2, 4, 6, 8	216	178	89	38	80	10	33	132	12	M12*30	262	258	340	216	50	475
160M	2, 4, 6, 8	254	210	108	42	110	12	37	160	15	M16*36	313	311	414	256	65	610
160L	2, 4, 6, 8	254	254	108	42	110	12	37	160	15	M16*36	313	311	414	300	65	655
180M	2, 4, 6, 8	279	241	121	48	110	14	42.5	180	15	M16*36	345	352	450	300	70	690
180L	2, 4, 6, 8	279	279	121	48	110	14	42.5	180	15	M16*36	345	352	450	340	70	730
200L	2, 4, 6, 8	318	305	133	55	110	16	49	200	19	M20*42	386	394	508	355	65	760
225S	4, 6, 8	356	286	149	60	140	18	53	225	19	M20*40	423	442	555	360	75	810
225M	2	356	311	149	55	110	16	49	225	19	M20*40	423	442	555	385	75	805
	4, 6, 8	356	311	149	60	140	18	53	225	19	M20*40	423	442	555	385	75	835
250M	2	406	349	168	60	140	18	53	250	24	M20*40	490	481	615	445	80	930
	4, 6, 8	406	349	168	65	140	18	58	250	24	M20*42	490	481	615	445	80	930
280S	2	457	368	190	65	140	18	58	280	24	M20*40	532	543	675	485	80	985
	4, 6, 8	457	368	190	75	140	20	67.5	280	24	M20*40	532	543	675	485	80	985
280M	2	457	419	190	65	140	18	58	280	24	M20*40	532	543	675	530	80	1035
	4, 6, 8	457	419	190	75	140	20	67.5	280	24	M20*40	532	543	675	530	80	1035
315S	2	508	406	216	65	140	18	58	315	28	M20*42	620	616	850	560	120	1190
	4, 6, 8	508	406	216	80	170	22	71	315	28	M20*40	620	616	850	560	120	1220
315M	2	508	457	216	65	140	18	58	315	28	M20*40	620	616	850	670	120	1300
	4, 6, 8	508	457	216	80	170	22	71	315	28	M20*40	620	616	850	670	120	1330
315L	2	508	508	216	65	140	18	58	315	28	M20*40	620	616	850	670	120	1300
	4, 6, 8	508	508	216	80	170	22	71	315	28	M20*42	620	616	850	670	120	1330
355M	2	610	560	254	75	140	20	67.5	355	28	M20*40	725	694	1000	750	112	1525
	4, 6, 8	610	560	254	95	170	25	86	355	28	M20*40	725	694	1000	750	112	1555
355L	2	610	630	254	75	140	20	67.5	355	28	M20*40	725	694	1000	750	112	1525
	4, 6, 8	610	630	254	95	170	25	86	355	28	M20*40	725	694	1000	750	112	1555
400	4, 6, 8	686	710	280	120	210	32	109	400	35	M20*40	810	850	1085	1085	125	1954

R=0 distance from flange to shaft shoulder

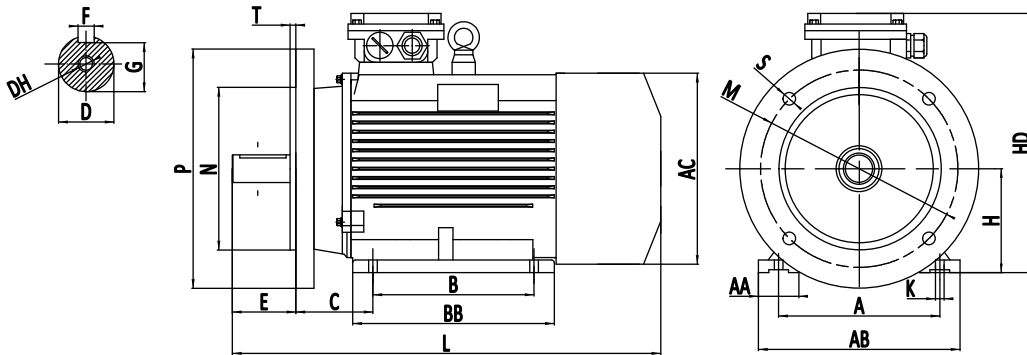
B5 Mounting Dimension



Frame size	Poles	Mounting dimensions (mm.)													Overall dimensions		
		D	E	F	G	H	K	M	N	P	R	S	T	DH	AC	HF	L
71	2, 4, 6, 8	14	30	5	11	71	7	130	110	160	0±1.5	4-Φ10	3.5	M5*13	139	190	247
80	2, 4, 6, 8	19	40	6	15.5	80	10	165	130	200	0±1.5	4-Φ12	3.5	M6*16	168	225	280
90S	2, 4, 6, 8	24	50	8	20	90	10	165	130	200	0±1.5	4-Φ12	3.5	M8*20	193	248	326
90L	2, 4, 6, 8	24	50	8	20	90	10	165	130	200	0±1.5	4-Φ12	3.5	M8*20	193	248	351
100L	2, 4, 6, 8	28	60	8	24	100	12	215	180	250	0±2	4-Φ15	4	M10*20	217	270	376
112M	2, 4, 6, 8	28	60	8	24	112	12	215	180	250	0±2	4-Φ15	4	M10*25	220	292	400
132S	2, 4, 6, 8	38	80	10	33	132	12	265	230	300	0±2	4-Φ15	4	M12*30	258	331	470
132M	2, 4, 6, 8	38	80	10	33	132	12	265	230	300	0±2	4-Φ15	4	M12*30	258	331	510
160M	2, 4, 6, 8	42	110	12	37	160	15	300	250	350	0±3	4-Φ19	5	M16*36	330	414	610
160L	2, 4, 6, 8	42	110	12	37	160	15	300	250	350	0±3	4-Φ19	5	M16*36	330	414	655
180M	2, 4, 6, 8	48	110	14	42.5	180	15	300	250	350	0±3	4-Φ19	5	M16*36	380	447	690
180L	2, 4, 6, 8	48	110	14	42.5	180	15	300	250	350	0±3	4-Φ19	5	M16*36	380	447	730
200L	2, 4, 6, 8	55	110	16	49	200	19	350	300	400	0±3	4-Φ19	5	M20*42	420	505	760
225S	4, 6, 8	60	140	18	53	225	19	400	350	450	0±4	8-Φ19	5	M20*40	470	545	810
225M	2	55	110	16	49	225	19	400	350	450	0±4	8-Φ19	5	M20*40	470	545	805
	4, 6, 8	60	140	18	53	225	19	400	350	450	0±4	8-Φ19	5	M20*40	470	545	835
250M	2	60	140	18	53	250	24	500	450	550	0±4	8-Φ19	5	M20*40	510	615	930
	4, 6, 8	65	140	18	58	250	24	500	450	550	0±4	8-Φ19	5	M20*42	510	615	930
280S	2	65	140	18	58	280	24	500	450	550	0±4	8-Φ19	5	M20*40	580	665	985
	4, 6, 8	75	140	20	67.5	280	24	500	450	550	0±4	8-Φ19	5	M20*40	580	665	985
280M	2	65	140	18	58	280	24	500	450	550	0±4	8-Φ19	5	M20*40	580	665	1035
	4, 6, 8	75	140	20	67.5	280	24	500	450	550	0±4	8-Φ19	5	M20*40	580	665	1035
315S	2	65	140	18	58	315	28	600	550	660	0±4	8-Φ24	6	M20*42	620	845	1190
	4, 6, 8	80	170	22	71	315	28	600	550	660	0±4	8-Φ24	6	M20*40	620	845	1220
315M	2	65	140	18	58	315	28	600	550	660	0±4	8-Φ24	6	M20*40	620	845	1300
	4, 6, 8	80	170	22	71	315	28	600	550	660	0±4	8-Φ24	6	M20*40	620	845	1330
315L	2	65	140	18	58	315	28	600	550	660	0±4	8-Φ24	6	M20*40	620	845	1300
	4, 6, 8	80	170	22	71	315	28	600	550	660	0±4	8-Φ24	6	M20*42	620	845	1330
355M	2	75	140	20	67.5	355	28	740	680	800	0±4	8-Φ24	6	M20*40	700	1000	1525
	4, 6, 8	95	170	25	86	355	28	740	680	800	0±4	8-Φ24	6	M20*40	700	1000	1555
355L	2	75	140	20	67.5	355	28	740	680	800	0±4	8-Φ24	6	M20*40	700	1000	1525
	4, 6, 8	95	170	25	86	355	28	740	680	800	0±4	8-Φ24	6	M20*40	700	1000	1555

R=0 distance from flange to shaft shoulder

B35 Mounting Dimension



Frame size	poles	Mounting dimensions (mm.)																Overall dimensions (mm.)					
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	DH	AB	AC	BB	AA	HD	L
71	2, 4, 6	112	90	45	14	30	5	11	71	7	130	110	160	0±1.5	4-Φ10	3.5	M5*13	136	139	107	24	185	247
80	2, 4, 6, 8	125	100	50	19	40	6	15.5	80	10	165	130	200	0±1.5	4-Φ12	3.5	M6*16	158	157	131	33	229	280
90S	2, 4, 6, 8	140	100	56	24	50	8	20	90	10	165	130	200	0±1.5	4-Φ12	3.5	M8*20	180	176	140	36	245	316
90L	2, 4, 6, 8	140	125	56	24	50	8	20	90	10	165	130	200	0±1.5	4-Φ12	3.5	M8*20	180	176	165	36	245	340
100L	2, 4, 6, 8	160	140	63	28	60	8	24	100	12	215	180	250	0±2	4-Φ15	4	M10*20	198	196	175	38	258	376
112M	2, 4, 6, 8	190	140	70	28	60	8	24	112	12	215	180	250	0±2	4-Φ15	4	M10*25	230	220	170	45	306	400
132S	2, 4, 6, 8	216	140	89	38	80	10	33	132	12	265	230	300	0±2	4-Φ15	4	M12*30	262	258	178	50	340	441
132M	2, 4, 6, 8	216	178	89	38	80	10	33	132	12	265	230	300	0±2	4-Φ15	4	M12*30	262	258	216	50	340	475
160M	2, 4, 6, 8	254	210	108	42	110	12	37	160	15	300	250	350	0±3	4-Φ19	5	M16*36	313	311	256	65	414	610
160L	2, 4, 6, 8	254	254	108	42	110	12	37	160	15	300	250	350	0±3	4-Φ19	5	M16*36	313	311	300	65	414	655
180M	2, 4, 6, 8	279	241	121	48	110	14	42.5	180	15	300	250	350	0±3	4-Φ19	5	M16*36	345	352	300	70	450	690
180L	2, 4, 6, 8	279	279	121	48	110	14	42.5	180	15	300	250	350	0±3	4-Φ19	5	M16*36	345	352	340	70	450	730
200L	2, 4, 6, 8	318	305	133	55	110	16	49	200	19	350	300	400	0±3	4-Φ19	5	M20*42	386	394	355	65	508	760
225S	4, 6, 8	356	286	149	60	140	18	53	225	19	400	350	450	0±4	8-Φ19	5	M20*40	423	442	360	75	555	810
225M	2	356	311	149	55	110	16	49	225	19	400	350	450	0±4	8-Φ19	5	M20*40	423	442	385	75	555	805
	4, 6, 8	356	311	149	60	140	18	53	225	19	400	350	450	0±4	8-Φ19	5	M20*40	423	442	385	75	555	835
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0±4	8-Φ19	5	M20*40	490	481	445	80	615	930
	4, 6, 8	406	349	168	65	140	18	58	250	24	500	450	550	0±4	8-Φ19	5	M20*42	490	481	445	80	615	930
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0±4	8-Φ19	5	M20*40	532	543	485	80	675	985
	4, 6, 8	457	368	190	75	140	20	67.5	280	24	500	450	550	0±4	8-Φ19	5	M20*40	532	543	485	80	675	985
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0±4	8-Φ19	5	M20*40	532	543	530	80	675	1035
	4, 6, 8	457	419	190	75	140	20	67.5	280	24	500	450	550	0±4	8-Φ19	5	M20*40	532	543	530	80	675	1035
315S	2	508	406	216	65	140	18	58	315	28	600	550	660	0±4	8-Φ24	6	M20*42	620	616	560	120	845	1190
	4, 6, 8	508	406	216	80	170	22	71	315	28	600	550	660	0±4	8-Φ24	6	M20*40	620	616	560	120	845	1220
315M	2	508	457	216	65	140	18	58	315	28	600	550	660	0±4	8-Φ24	6	M20*40	620	616	670	120	845	1300
	4, 6, 8	508	457	216	80	170	22	71	315	28	600	550	660	0±4	8-Φ24	6	M20*40	620	616	670	120	845	1330
315L	2	508	508	216	65	140	18	58	315	28	600	550	660	0±4	8-Φ24	6	M20*40	620	616	670	120	845	1300
	4, 6, 8	508	508	216	80	170	22	71	315	28	600	550	660	0±4	8-Φ24	6	M20*42	620	616	670	120	845	1330
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	0±4	8-Φ24	6	M20*40	725	694	750	112	1000	1525
	4, 6, 8	610	560	254	95	170	25	86	355	28	740	680	800	0±4	8-Φ24	6	M20*40	725	694	750	112	1000	1555
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0±4	8-Φ24	6	M20*40	725	694	750	112	1000	1525
	4, 6, 8	610	630	254	95	170	25	86	355	28	740	680	800	0±4	8-Φ24	6	M20*40	725	694	750	112	1000	1555

R=0 distance from flange to shaft shoulder

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India Plant-2 : Khasra No.: 2-0, 14/3, 4-10, 15/1, 6-2, 20

Area: 4 Kanal 4 Marla, Khewat No.: 1007/868,

Khata No.: 1068, Killa No.: 146/6 (7-12, 7/1)

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