

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, 50Hz For 3.0kW and above: 380-415V / 660-720V, 50Hz	Other voltages/frequency such as 200V, 346V, 440V, 460V & 60Hz 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
2. PTC thermister
3. Anti-condensation heater
4. Corrosion-proof
5. Special paint finished
6. Special volt/Hz
7. Extend lead wire
8. Special shaft extension
9. Double ended shaft
10. Grease relief for frames down to 100L
11. Sun canopy
12. Brake motor

IE1 PERFORMANCE DATA: 2/4 Pole Single Winding / 50Hz

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	2750 / 1350	1.3 / 6.7	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	2850 / 1440	2.5 / 5.8	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	2850 / 1440	3.0 / 6.6	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	2860 / 1460	3.7 / 8.3	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	2860 / 1460	5.0 / 9.1	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	2875 / 1450	7.3 / 12.9	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	2875 / 1450	10.0 / 17.1	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	2875 / 1450	12.0 / 17.6	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	2875 / 1450	12.3 / 18.2	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	132S	8.47 / 2.89	8.04 / 2.75	7.75 / 2.65	2880 / 1455	13.3 / 19.0	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		11.77 / 4.00	11.19 / 3.80	10.78 / 3.66	2880 / 1455	18.2 / 26.2	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	15.96 / 5.10	15.16 / 4.85	14.61 / 4.67	2890 / 1455	24.8 / 33.5	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	21.46 / 7.09	20.39 / 6.74	19.65 / 6.49	2910 / 1465	36.1 / 46.2	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	28.77 / 9.14	27.33 / 8.68	26.35 / 8.37	2930 / 1465	48.9 / 59.6	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		35.29 / 11.34	33.52 / 10.77	32.31 / 10.38	2930 / 1465	60.3 / 73.9	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	42.45 / 13.15	40.32 / 12.50	38.87 / 12.05	2940 / 1470	71.5 / 85.5	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	56.79 / 16.99	53.95 / 16.14	52.00 / 15.56	2950 / 1470	97.1 / 110.4	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	69.41 / 20.42	65.94 / 19.40	63.56 / 18.70	2955 / 1475	119.6 / 132.2	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		83.03 / 24.01	78.88 / 22.81	76.02 / 21.99	2955 / 1475	145.4 / 155.5	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	100.38 / 30.01	95.36 / 28.51	91.91 / 27.48	2965 / 1475	177.1 / 194.3	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		136.59 / 39.68	129.76 / 37.70	125.07 / 36.33	2965 / 1480	241.5 / 256.0	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 / 50Hz

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 _R)	Starting Torque (T _{ST} / T _R)	Maximum Torque (T _M / T _R)	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	1350 / 930	2.6 / 1.6	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	1350 / 930	3.9 / 2.6	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	100L	1.98 / 1.25	1.88 / 1.18	1.81 / 1.14	1350 / 940	5.3 / 3.4	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)
1.10 / 0.50	100L	2.74 / 1.74	2.60 / 1.66	2.51 / 1.60	1390 / 960	7.6 / 5.0	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)
1.50 / 0.66	112M	3.61 / 2.20	3.43 / 2.09	3.31 / 2.02	1390 / 960	10.3 / 6.6	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)
2.20 / 1.00	112M	5.43 / 3.06	5.16 / 2.90	4.97 / 2.80	1430 / 960	14.7 / 9.9	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)
3.00 / 1.34	132S	7.21 / 3.98	6.85 / 3.79	6.60 / 3.65	1430 / 960	20.0 / 13.3	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)
3.00 / 1.34	132S	6.82 / 4.10	6.48 / 3.90	6.25 / 3.76	1430 / 975	20.0 / 13.1	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)
3.70 / 1.66	132S	8.36 / 5.01	7.94 / 4.76	7.66 / 4.59	1430 / 975	24.7 / 16.3	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)
4.00 / 1.80	132S	8.82 / 5.36	8.38 / 5.09	8.08 / 4.91	1460 / 960	26.2 / 17.9	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)
5.50 / 2.50	160M	12.06 / 6.86	11.46 / 6.52	11.04 / 6.28	1460 / 960	36.0 / 24.9	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)
7.50 / 3.30	160M	16.07 / 8.53	15.26 / 8.10	14.71 / 7.81	1460 / 965	49.1 / 32.7	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)
9.30 / 4.10	160M	19.92 / 10.55	18.93 / 10.02	18.24 / 9.66	1460 / 965	60.8 / 40.6	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	23.43 / 12.87	22.26 / 12.22	21.45 / 11.78	1460 / 965	71.9 / 49.5	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	160L	27.69 / 14.57	26.30 / 13.84	25.35 / 13.34	1460 / 965	85.0 / 57.4	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	31.76 / 16.48	30.18 / 15.66	29.09 / 15.09	1470 / 980	97.4 / 64.3	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	36.00 / 19.22	34.20 / 18.26	32.96 / 17.60	1470 / 980	110.4 / 73.1	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	180L	38.30 / 20.36	36.39 / 19.34	35.07 / 18.64	1470 / 980	120.2 / 79.9	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	43.48 / 22.78	41.30 / 21.64	39.81 / 20.86	1470 / 980	136.4 / 88.7	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	200L	45.29 / 23.50	43.03 / 22.32	41.47 / 21.52	1470 / 980	142.9 / 96.5	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	53.53 / 27.38	50.85 / 26.01	49.01 / 25.07	1475 / 985	168.3 / 112.5	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	225S	61.76 / 30.59	58.68 / 29.06	56.55 / 28.01	1475 / 985	194.2 / 128.9	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	70.00 / 35.12	66.50 / 33.36	64.10 / 32.16	1475 / 985	220.1 / 145.4	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	75.75 / 39.85	71.97 / 37.86	69.37 / 36.49	1475 / 985	239.5 / 160.9	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	225M	80.07 / 40.58	76.06 / 38.55	73.31 / 37.16	1475 / 985	265.4 / 176.4	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	87.95 / 44.27	83.55 / 42.06	80.53 / 40.54	1475 / 985	291.3 / 192.9	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	250M	94.19 / 48.00	89.48 / 45.60	86.25 / 43.95	1475 / 985	314.0 / 209.4	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	250M	100.40 / 51.26	95.38 / 48.70	91.94 / 46.94	1475 / 985	336.6 / 224.9	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	250M	106.20 / 54.68	100.89 / 51.94	97.24 / 50.07	1475 / 985	356.1 / 240.4	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	250M	115.85 / 57.55	110.06 / 54.67	106.08 / 52.69	1475 / 985	388.4 / 256.9	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	250M	123.67 / 60.71	117.49 / 57.68	113.24 / 55.59	1485 / 985	405.1 / 273.4	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	250M	127.92 / 66.06	121.52 / 62.75	117.13 / 60.49	1485 / 985	430.8 / 290.8	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	250M	142.37 / 72.33	135.25 / 68.71	130.36 / 66.23	1485 / 985	482.3 / 320.9	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)
90.0 / 40.0	280M	169.92 / 86.10	161.43 / 81.79	155.59 / 78.84	1485 / 980	578.7 / 389.8	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)
94.0 / 42.0	280M	177.47 / 90.30	168.60 / 85.79	162.51 / 82.69	1485 / 985	604.4 / 407.2	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)
110.0 / 49.0	315S	206.57 / 101.71	196.24 / 96.62	189.14 / 93.13	1485 / 985	707.3 / 475.0	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)
132.0 / 59.0	315M	247.88 / 122.46	235.49 / 116.34	226.97 / 112.14	1485 / 985	848.8 / 572.0	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 / 50Hz

Rated Power kW	Frame size	Rated Current(A) (I _N)			Rated Speed RPM.	Rated Torque (T _N) N.M	Power Factor (cosΦ)	Efficiency Full load %	Starting Current (I _{st} / I _N)	Starting Torque (T _{st} / T _N)	Maximum Torque (T _M / T _N)	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	1350 / 710	2.6 / 2.4	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	1350 / 710	3.9 / 2.4	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	1350 / 710	3.9 / 3.8	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	1390 / 700	5.2 / 2.5	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	1390 / 700	7.6 / 3.8	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	1430 / 720	10.0 / 4.9	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	1430 / 720	14.7 / 7.3	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	1430 / 720	20.0 / 9.9	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	1430 / 720	24.7 / 12.3	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	1460 / 730	26.2 / 13.1	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		14.15 / 4.22	13.45 / 4.01	12.96 / 3.86	1460 / 730	36.0 / 18.3	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	132M	16.25 / 5.27	15.44 / 5.01	14.88 / 4.83	1460 / 730	49.1 / 24.9	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		19.67 / 6.56	18.69 / 6.23	18.01 / 6.01	1460 / 735	60.8 / 29.9	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		24.60 / 7.78	23.37 / 7.39	22.53 / 7.13	1460 / 735	71.9 / 36.4	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	160L	31.04 / 9.11	29.49 / 8.66	28.42 / 8.34	1460 / 735	85.0 / 42.9	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	31.19 / 10.01	29.63 / 9.51	28.56 / 9.17	1470 / 735	97.4 / 48.1	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		35.34 / 11.31	33.58 / 10.74	32.36 / 10.35	1470 / 735	110.4 / 54.6	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		35.70 / 12.42	33.92 / 11.80	32.69 / 11.37	1470 / 735	120.2 / 61.1	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	200L	39.17 / 13.44	37.22 / 12.77	35.87 / 12.31	1470 / 735	136.4 / 66.3	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		40.82 / 15.92	38.78 / 15.12	37.38 / 14.57	1470 / 735	142.9 / 71.5	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		51.32 / 18.56	48.76 / 17.63	47.00 / 16.99	1475 / 735	168.3 / 84.4	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	58.24 / 21.60	55.33 / 20.52	53.33 / 19.77	1475 / 735	194.2 / 97.4	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	66.01 / 24.07	62.71 / 22.87	60.44 / 22.04	1475 / 735	220.1 / 109.1	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		73.06 / 25.55	69.40 / 24.27	66.90 / 23.39	1475 / 735	239.5 / 120.8	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		80.96 / 24.46	76.91 / 23.23	74.13 / 22.39	1475 / 735	265.4 / 133.8	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	86.42 / 25.87	82.10 / 24.58	79.13 / 23.69	1475 / 735	291.3 / 142.9	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		93.08 / 28.74	88.42 / 27.30	85.23 / 26.31	1475 / 735	314.0 / 157.2	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		99.80 / 31.25	94.81 / 29.69	91.38 / 28.61	1475 / 735	336.6 / 170.2	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	250M	104.98 / 33.32	99.73 / 31.65	96.12 / 30.51	1475 / 735	356.1 / 181.9	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		113.22 / 35.49	107.56 / 33.71	103.67 / 32.50	1475 / 735	388.4 / 194.9	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		118.88 / 36.31	112.94 / 34.50	108.85 / 33.25	1485 / 735	405.1 / 206.6	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	280M	126.43 / 38.24	120.11 / 36.32	115.76 / 35.01	1485 / 735	430.8 / 218.3	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		140.75 / 45.88	133.72 / 43.59	128.88 / 42.01	1485 / 735	482.3 / 240.3	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		146.38 / 48.21	139.06 / 45.80	134.04 / 44.15	1485 / 735	501.6 / 254.6	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	315L	174.53 / 57.80	165.81 / 54.91	159.81 / 52.92	1485 / 735	598.0 / 302.7	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	206.44 / 67.83	196.12 / 64.44	189.03 / 62.11	1485 / 735	707.3 / 357.3	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		375.34 / 120.59	356.58 / 114.56	343.69 / 110.42	1485 / 735	1286.1 / 649.6	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 / 50Hz

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 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	2750 / 1350	1.3 / 6.4	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	2850 / 1440	2.5 / 5.5	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	2850 / 1440	3.0 / 5.5	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	2860 / 1460	3.7 / 7.6	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	2860 / 1460	5.0 / 9.1	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	2875 / 1450	7.3 / 12.5	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	2875 / 1450	10.0 / 16.8	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	2875 / 1450	12.0 / 17.3	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	2875 / 1450	12.3 / 18.1	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	2880 / 1455	13.3 / 18.7	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		11.59 / 3.95	11.01 / 3.75	10.62 / 3.61	2880 / 1455	18.2 / 25.9	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	15.66 / 5.04	14.88 / 4.78	14.34 / 4.61	2890 / 1455	24.8 / 33.0	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	21.27 / 6.98	20.20 / 6.63	19.47 / 6.39	2910 / 1465	36.1 / 45.5	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	28.66 / 8.97	27.23 / 8.52	26.24 / 8.21	2930 / 1465	48.9 / 58.4	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		34.98 / 11.23	33.23 / 10.67	32.03 / 10.28	2930 / 1465	60.3 / 73.2	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	42.07 / 13.06	39.97 / 12.41	38.52 / 11.96	2940 / 1470	71.5 / 84.9	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	56.29 / 16.89	53.47 / 16.05	51.54 / 15.47	2950 / 1470	97.1 / 109.7	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	68.81 / 20.21	65.37 / 19.20	63.00 / 18.50	2955 / 1475	119.6 / 130.8	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		82.31 / 23.71	78.19 / 22.53	75.37 / 21.71	2955 / 1475	145.4 / 153.5	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	99.63 / 29.74	94.64 / 28.25	91.22 / 27.23	2965 / 1475	177.1 / 192.5	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		135.71 / 39.41	128.92 / 37.44	124.26 / 36.09	2965 / 1480	241.5 / 254.3	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 / 50Hz

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 _R)	Starting Torque (T _{ST} / T _R)	Maximum Torque (T _M / T _R)	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	1350 / 930	2.6 / 1.6	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	1350 / 930	3.9 / 2.6	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	1350 / 940	5.3 / 3.4	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)
1.10 / 0.50	100L	2.70 / 1.72	2.56 / 1.63	2.47 / 1.57	1390 / 960	7.6 / 5.0	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)
1.50 / 0.66		3.54 / 2.17	3.36 / 2.06	3.24 / 1.99	1390 / 960	10.3 / 6.6	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)
2.20 / 1.00	112M	5.22 / 3.01	4.96 / 2.86	4.78 / 2.76	1430 / 969	14.7 / 9.9	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)
3.00 / 1.34		7.11 / 3.96	6.76 / 3.76	6.51 / 3.62	1430 / 969	20.0 / 13.2	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)
3.00 / 1.34	132S	6.82 / 4.05	6.48 / 3.84	6.25 / 3.70	1430 / 975	20.0 / 13.1	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)
3.70 / 1.66		8.36 / 4.88	7.94 / 4.64	7.66 / 4.47	1430 / 975	24.7 / 16.3	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)
4.00 / 1.80		8.82 / 5.29	8.38 / 5.03	8.08 / 4.85	1460 / 960	26.2 / 17.9	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)
5.50 / 2.50	132M	11.92 / 6.80	11.32 / 6.46	10.91 / 6.22	1460 / 960	36.0 / 24.9	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)
7.50 / 3.30	160M	15.96 / 8.46	15.16 / 8.04	14.61 / 7.75	1460 / 965	49.1 / 32.7	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)
9.30 / 4.10		19.81 / 10.51	18.82 / 9.99	18.14 / 9.63	1460 / 965	60.8 / 40.6	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 / 5.00	160L	23.29 / 12.82	22.13 / 12.18	21.33 / 11.74	1460 / 965	71.9 / 49.5	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 / 5.80		27.53 / 14.43	26.15 / 13.71	25.21 / 13.22	1460 / 965	85.0 / 57.4	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 / 6.60	180M	31.58 / 16.42	30.00 / 15.60	28.92 / 15.04	1470 / 980	97.4 / 64.3	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 / 7.50	180L	35.75 / 19.15	33.97 / 18.19	32.74 / 17.54	1470 / 980	110.4 / 73.1	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 / 8.20		38.09 / 20.29	36.18 / 19.27	34.88 / 18.58	1470 / 980	120.2 / 79.9	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 / 9.10		43.23 / 22.64	41.07 / 21.51	39.59 / 20.73	1470 / 980	136.4 / 88.7	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 / 9.90	200L	44.99 / 23.36	42.74 / 22.20	41.20 / 21.39	1470 / 980	142.9 / 96.5	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		53.17 / 27.19	50.52 / 25.83	48.69 / 24.90	1475 / 985	168.3 / 112.5	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		61.35 / 30.42	58.29 / 28.89	56.18 / 27.85	1475 / 985	194.2 / 128.9	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	225S	69.23 / 35.00	65.77 / 33.25	63.39 / 32.05	1475 / 985	220.1 / 145.4	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	225M	75.34 / 39.81	71.57 / 37.82	68.98 / 36.45	1475 / 985	239.5 / 160.9	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		79.72 / 40.35	75.73 / 38.33	72.99 / 36.95	1475 / 985	265.4 / 176.4	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	250M	87.66 / 44.12	83.28 / 41.91	80.27 / 40.40	1475 / 985	291.3 / 192.9	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		93.68 / 47.89	89.00 / 45.50	85.78 / 43.85	1475 / 985	314.0 / 209.4	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		99.86 / 50.98	94.87 / 48.43	91.44 / 46.68	1475 / 985	336.6 / 224.9	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		105.62 / 54.37	100.34 / 51.65	96.71 / 49.79	1475 / 985	356.1 / 240.4	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		115.22 / 57.36	109.46 / 54.49	105.50 / 52.52	1475 / 985	388.4 / 256.9	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		120.98 / 60.65	114.93 / 57.61	110.78 / 55.53	1485 / 985	405.1 / 273.4	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		127.37 / 65.77	121.00 / 62.48	116.62 / 60.22	1485 / 985	430.8 / 290.8	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		141.76 / 72.09	134.67 / 68.49	129.80 / 66.01	1485 / 985	482.3 / 320.9	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	280M	169.01 / 85.81	160.56 / 81.52	154.75 / 78.57	1485 / 980	578.7 / 389.8	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		176.52 / 89.90	167.69 / 85.41	161.63 / 82.32	1485 / 985	604.4 / 407.2	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	315S	206.12 / 101.38	195.82 / 96.31	188.74 / 92.83	1485 / 985	707.3 / 475.0	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	247.35 / 122.06	234.98 / 115.96	226.49 / 111.77	1485 / 985	848.8 / 572.0	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 / 50Hz

Rated Power kW	Frame size	Rated Current(A) (I _N)			Rated Speed RPM.	Rated Torque (T _N) N.M	Power Factor (cosΦ)	Efficiency Full load %	Starting Current (I _{st} / I _N)	Starting Torque (T _{st} / T _N)	Maximum Torque (T _M / T _N)	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	1350 / 710	2.6 / 2.4	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	1350 / 710	3.9 / 2.4	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	1350 / 710	3.9 / 3.8	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	1390 / 700	5.2 / 2.5	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	1390 / 700	7.6 / 3.8	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	1430 / 720	10.0 / 4.9	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	1430 / 720	14.7 / 7.3	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	1430 / 720	20.0 / 9.9	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	1430 / 720	24.7 / 12.3	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	1460 / 730	26.2 / 13.1	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		14.15 / 4.10	13.45 / 3.89	12.96 / 3.75	1460 / 730	36.0 / 18.3	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	132M	16.25 / 5.16	15.44 / 4.90	14.88 / 4.73	1460 / 730	49.1 / 24.9	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		19.67 / 6.45	18.69 / 6.13	18.01 / 5.91	1460 / 735	60.8 / 29.9	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		24.60 / 7.66	23.37 / 7.28	22.53 / 7.02	1460 / 735	71.9 / 36.4	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	160L	31.04 / 8.98	29.49 / 8.54	28.42 / 8.23	1460 / 735	85.0 / 42.9	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	31.19 / 9.85	29.63 / 9.35	28.56 / 9.02	1470 / 735	97.4 / 48.1	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		34.82 / 11.23	33.08 / 10.67	31.89 / 10.29	1470 / 735	110.4 / 54.6	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		35.50 / 12.33	33.73 / 11.71	32.51 / 11.29	1470 / 735	120.2 / 61.1	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	180L	38.96 / 13.33	37.01 / 12.66	35.67 / 12.20	1470 / 735	136.4 / 66.3	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		40.41 / 15.84	38.39 / 15.05	37.00 / 14.50	1470 / 735	142.9 / 71.5	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		50.87 / 18.45	48.33 / 17.53	46.58 / 16.89	1475 / 735	168.3 / 84.4	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	57.86 / 21.47	54.97 / 20.39	52.98 / 19.66	1475 / 735	194.2 / 97.4	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	65.96 / 23.02	62.66 / 21.87	60.40 / 21.08	1475 / 735	220.1 / 109.1	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		72.49 / 22.00	68.87 / 20.90	66.38 / 20.15	1475 / 735	239.5 / 120.8	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		79.86 / 24.23	75.87 / 23.01	73.13 / 22.18	1475 / 735	265.4 / 133.8	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	84.96 / 26.00	80.71 / 24.70	77.80 / 23.80	1475 / 735	291.3 / 142.9	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		92.47 / 28.69	87.85 / 27.26	84.67 / 26.27	1475 / 735	314.0 / 157.2	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		98.02 / 31.07	93.11 / 29.51	89.75 / 28.45	1475 / 735	336.6 / 170.2	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		103.22 / 32.12	98.06 / 30.52	94.51 / 29.41	1475 / 735	356.1 / 181.9	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		112.60 / 34.02	106.97 / 32.32	103.11 / 31.15	1475 / 735	388.4 / 194.9	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		118.23 / 39.39	112.32 / 37.42	108.26 / 36.07	1485 / 735	405.1 / 206.6	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		125.74 / 41.32	119.45 / 39.26	115.14 / 37.84	1485 / 735	430.8 / 218.3	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		140.14 / 46.00	133.14 / 43.70	128.32 / 42.12	1485 / 735	482.3 / 240.3	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		145.75 / 48.45	138.46 / 46.03	133.46 / 44.37	1485 / 735	501.6 / 254.6	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	173.78 / 57.47	165.09 / 54.60	159.12 / 52.62	1485 / 735	598.0 / 302.7	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	205.54 / 67.37	195.27 / 64.00	188.21 / 61.69	1485 / 735	707.3 / 357.3	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		373.72 / 119.52	355.03 / 113.55	342.20 / 109.44	1485 / 735	1,286.1 / 649.6	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 / 50Hz

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	2750 / 1350	1.3 / 6.3	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	2850 / 1440	2.5 / 5.9	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	2850 / 1440	3.0 / 5.9	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	2860 / 1460	3.7 / 7.4	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	2860 / 1460	5.0 / 9.1	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	2875 / 1450	7.3 / 12.3	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	2875 / 1450	10.0 / 16.7	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	2875 / 1450	12.0 / 17.2	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	2875 / 1450	12.3 / 17.9	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	2880 / 1455	13.3 / 18.5	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		11.47 / 3.90	10.90 / 3.70	10.50 / 3.57	2880 / 1455	18.2 / 25.6	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	15.47 / 4.97	14.69 / 4.72	14.16 / 4.55	2890 / 1455	24.8 / 32.6	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	21.27 / 6.92	20.20 / 6.57	19.47 / 6.33	2910 / 1465	36.1 / 45.1	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	28.71 / 8.92	27.28 / 8.48	26.29 / 8.17	2930 / 1465	48.9 / 58.2	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		35.18 / 11.20	33.42 / 10.64	32.21 / 10.26	2930 / 1465	60.3 / 73.0	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	41.84 / 12.96	39.75 / 12.31	38.31 / 11.86	2940 / 1470	71.5 / 84.2	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	55.98 / 16.79	53.18 / 15.95	51.26 / 15.38	2950 / 1470	97.1 / 109.1	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	68.44 / 20.07	65.01 / 19.07	62.66 / 18.38	2955 / 1475	119.6 / 129.9	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		82.78 / 23.53	78.64 / 22.35	75.80 / 21.54	2955 / 1475	145.4 / 152.3	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	100.10 / 29.57	95.10 / 28.09	91.66 / 27.08	2965 / 1475	177.1 / 191.5	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		136.65 / 39.10	129.81 / 37.15	125.12 / 35.80	2965 / 1480	241.5 / 252.3	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 / 50Hz

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 _R)	Starting Torque (T _{ST} / T _R)	Maximum Torque (T _M / T _R)	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	1350 / 930	2.6 / 1.6	0.74 / 0.59	70.0 / 55.0	2.9 / 2.9	1.4 / 1.5	1.4 / 1.5	25.9	0.004	3+3 (Y/Y)
0.55 / 0.25	90L	1.46 / 1.04	1.39 / 0.99	1.34 / 0.95	1350 / 930	3.9 / 2.6	0.79 / 0.64	73.0 / 57.0	2.9 / 2.9	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	1350 / 940	5.3 / 3.4	0.80 / 0.67	75.0 / 63.0	2.9 / 2.9	1.4 / 1.5	1.4 / 1.5	29.3	0.006	3+3 (Y/Y)
1.10 / 0.50	100L	2.65 / 1.67	2.51 / 1.58	2.42 / 1.53	1390 / 960	7.6 / 5.0	0.82 / 0.67	77.0 / 68.0	4.2 / 4.2	1.8 / 1.0	2.2 / 1.7	34.0	0.0085	3+3 (Y/Y)
1.50 / 0.66		3.52 / 2.14	3.34 / 2.03	3.22 / 1.96	1390 / 960	10.3 / 6.6	0.82 / 0.68	79.0 / 69.0	4.3 / 4.3	1.7 / 1.0	2.1 / 1.8	39.5	0.013	3+3 (Y/Y)
2.20 / 1.00	112M	5.16 / 2.97	4.90 / 2.82	4.72 / 2.72	1430 / 969	14.7 / 9.9	0.80 / 0.70	81.0 / 73.0	5.0 / 5.0	1.8 / 1.0	2.4 / 1.9	47.0	0.014	3+3 (Y/Y)
3.00 / 1.34		7.03 / 3.88	6.68 / 3.68	6.44 / 3.55	1430 / 969	20.0 / 13.2	0.80 / 0.70	81.0 / 75.0	6.0 / 6.0	1.3 / 1.0	2.3 / 2.2	47.6	0.015	3+3 (Y/Y)
3.00 / 1.34	132S	6.82 / 3.99	6.48 / 3.79	6.25 / 3.66	1430 / 975	20.0 / 13.1	0.82 / 0.68	81.5 / 75.0	6.0 / 6.0	1.3 / 1.0	2.3 / 2.2	67.0	0.032	3+3 (Y/Y)
3.70 / 1.66		8.36 / 4.82	7.94 / 4.58	7.66 / 4.41	1430 / 975	24.7 / 16.3	0.82 / 0.68	82.0 / 77.0	6.5 / 6.5	1.5 / 1.0	2.3 / 2.2	68.8	0.033	3+3 (Y/Y)
4.00 / 1.80		8.82 / 5.22	8.38 / 4.96	8.08 / 4.78	1460 / 960	26.2 / 17.9	0.82 / 0.68	84.0 / 77.0	6.5 / 6.5	1.5 / 1.0	2.3 / 2.2	67.8	0.034	3+3 (Y/Y)
5.50 / 2.50	132M	11.85 / 6.77	11.26 / 6.43	10.85 / 6.20	1460 / 960	36.0 / 24.9	0.82 / 0.71	86.0 / 79.0	7.1 / 7.1	1.8 / 1.3	2.5 / 2.0	82.0	0.04	3+3 (Y/Y)
7.50 / 3.30	160M	15.86 / 8.39	15.07 / 7.97	14.53 / 7.68	1460 / 965	49.1 / 32.7	0.82 / 0.74	87.6 / 81.3	7.1 / 7.1	1.8 / 1.3	2.5 / 2.0	115.0	0.101	3+3 (Y/Y)
9.30 / 4.10		19.69 / 10.42	18.71 / 9.90	18.03 / 9.55	1460 / 965	60.8 / 40.6	0.82 / 0.72	87.5 / 83.0	7.1 / 7.1	1.8 / 1.3	2.5 / 2.0	115.0	0.105	3+3 (Y/Y)
11.0 / 5.00	160L	23.08 / 12.71	21.93 / 12.08	21.14 / 11.64	1460 / 965	71.9 / 49.5	0.82 / 0.72	88.3 / 83.0	6.4 / 6.4	2.0 / 1.3	2.5 / 1.7	135.0	0.127	3+3 (Y/Y)
13.0 / 5.80		27.28 / 14.35	25.92 / 13.63	24.98 / 13.14	1460 / 965	85.0 / 57.4	0.82 / 0.72	88.3 / 85.3	6.9 / 6.9	2.2 / 1.5	2.6 / 1.9	135.0	0.132	3+3 (Y/Y)
15.0 / 6.60	180M	31.23 / 16.33	29.67 / 15.51	28.60 / 14.95	1470 / 980	97.4 / 64.3	0.82 / 0.72	89.0 / 85.3	6.9 / 6.9	2.2 / 1.5	2.6 / 1.9	170.0	0.171	3+3 (Y/Y)
17.0 / 7.50	180L	35.39 / 19.04	33.62 / 18.09	32.41 / 17.43	1470 / 980	110.4 / 73.1	0.82 / 0.70	89.0 / 85.5	6.9 / 6.9	2.2 / 1.5	2.6 / 1.9	184.0	0.185	3+3 (Y/Y)
18.5 / 8.20		37.84 / 20.12	35.94 / 19.12	34.64 / 18.42	1470 / 980	120.2 / 79.9	0.82 / 0.72	90.6 / 86.0	7.2 / 7.2	2.4 / 1.8	2.7 / 2.0	184.0	0.192	3+3 (Y/Y)
21.0 / 9.1		42.95 / 22.54	40.80 / 21.41	39.33 / 20.64	1470 / 980	136.4 / 88.7	0.82 / 0.71	90.6 / 86.4	7.2 / 7.2	2.4 / 1.8	2.7 / 2.0	184.0	0.195	3+3 (Y/Y)
22.0 / 9.9	200L	44.80 / 23.20	42.56 / 22.04	41.02 / 21.25	1470 / 980	142.9 / 96.5	0.82 / 0.74	91.0 / 87.6	7.7 / 7.7	1.6 / 1.9	2.8 / 2.9	235.0	0.33	3+3 (Y/Y)
26.0 / 11.6		52.94 / 27.07	50.29 / 25.71	48.48 / 24.78	1475 / 985	168.3 / 112.5	0.82 / 0.74	91.0 / 88.0	7.7 / 7.7	1.6 / 1.9	2.8 / 2.9	235.0	0.335	3+3 (Y/Y)
30.0 / 13.3		61.08 / 30.31	58.03 / 28.80	55.93 / 27.76	1475 / 985	194.2 / 128.9	0.82 / 0.76	91.0 / 88.3	7.7 / 7.7	1.6 / 1.9	2.8 / 2.9	245.0	0.341	3+3 (Y/Y)
34.0 / 15.0	225S	68.85 / 34.88	65.41 / 33.14	63.04 / 31.94	1475 / 985	220.1 / 145.4	0.82 / 0.74	91.5 / 88.3	7.7 / 7.7	1.5 / 1.3	2.7 / 2.3	290.0	0.561	3+3 (Y/Y)
37.0 / 16.6	225M	74.93 / 39.67	71.18 / 37.69	68.61 / 36.33	1475 / 985	239.5 / 160.9	0.82 / 0.72	91.5 / 88.3	7.7 / 7.7	1.5 / 1.3	2.7 / 2.3	326.0	0.651	3+3 (Y/Y)
41.0 / 18.2		79.20 / 40.22	75.24 / 38.21	72.52 / 36.82	1475 / 985	265.4 / 176.4	0.86 / 0.77	92.0 / 89.3	8.4 / 8.4	1.7 / 1.4	3.0 / 2.3	326.0	0.652	3+3 (Y/Y)
45.0 / 19.9	250M	87.19 / 43.97	82.83 / 41.77	79.84 / 40.26	1475 / 985	291.3 / 192.9	0.85 / 0.77	92.8 / 89.3	8.4 / 8.4	1.7 / 1.4	3.0 / 2.3	385.0	1.561	3+3 (Y/Y)
48.5 / 21.6		93.28 / 47.73	88.61 / 45.34	85.41 / 43.70	1475 / 985	314.0 / 209.4	0.86 / 0.77	92.4 / 89.3	8.4 / 8.4	1.7 / 1.4	3.0 / 2.3	385.0	1.652	3+3 (Y/Y)
52.0 / 23.2		99.43 / 50.87	94.46 / 48.32	91.04 / 46.58	1475 / 985	336.6 / 224.9	0.86 / 0.77	92.4 / 90.0	8.4 / 8.4	1.7 / 1.4	3.0 / 2.3	385.0	1.723	3+3 (Y/Y)
55.0 / 24.8		105.16 / 54.13	99.90 / 51.43	96.29 / 49.57	1475 / 985	356.1 / 240.4	0.86 / 0.77	92.4 / 90.4	7.5 / 7.5	2.4 / 3.0	2.7 / 2.6	385.0	1.824	3+3 (Y/Y)
60.0 / 26.5	280S	114.72 / 57.10	108.99 / 54.25	105.05 / 52.29	1475 / 985	388.4 / 256.9	0.86 / 0.78	92.4 / 90.4	7.5 / 7.5	2.4 / 3.0	2.7 / 2.6	515.0	1.933	6+3 ΔY/Y
63.0 / 28.2		120.46 / 60.38	114.44 / 57.36	110.30 / 55.29	1485 / 985	405.1 / 273.4	0.86 / 0.79	92.4 / 90.4	7.5 / 7.5	2.4 / 3.0	2.7 / 2.6	515.0	2.031	6+3 ΔY/Y
67.0 / 30.0		126.54 / 65.48	120.22 / 62.20	115.87 / 59.95	1485 / 985	430.8 / 290.8	0.87 / 0.77	93.0 / 91.0	7.5 / 7.5	2.4 / 3.0	2.7 / 2.6	515.0	2.132	6+3 ΔY/Y
75.0 / 33.1		140.84 / 71.77	133.80 / 68.18	128.96 / 65.72	1485 / 985	482.3 / 320.9	0.87 / 0.77	93.0 / 91.0	7.5 / 7.5	2.4 / 3.0	2.7 / 2.6	515.0	2.221	6+3 ΔY/Y
90.0 / 40.0	280M	168.65 / 85.62	160.21 / 81.34	154.42 / 78.40	1485 / 980	578.7 / 389.8	0.87 / 0.78	93.2 / 91.0	7.8 / 7.8	2.5 / 2.4	2.8 / 2.7	600.0	1.821	6+3 ΔY/Y
94.0 / 42.0		176.14 / 89.61	167.33 / 85.13	161.29 / 82.05	1485 / 985	604.4 / 407.2	0.87 / 0.78	93.2 / 91.3	7.8 / 7.8	2.5 / 2.4	2.8 / 2.7	600.0	1.832	6+3 ΔY/Y
110.0 / 49.0	315S	205.46 / 101.15	195.19 / 96.10	188.13 / 92.62	1485 / 985	707.3 / 475.0	0.87 / 0.80	93.5 / 92.0	8.5 / 8.5	2.7 / 2.5	2.8 / 2.8	1,017.0	3.977	6+3 ΔY/Y
132.0 / 59.0	315M	246.55 / 121.80	234.23 / 115.71	225.76 / 111.53	1485 / 985	848.8 / 572.0	0.87 / 0.80	93.5 / 92.0	8.5 / 8.5	2.7 / 2.5	2.8 / 2.8	1,070.0	4.752	6+3 ΔY/Y

IE3 PERFORMANCE DATA:

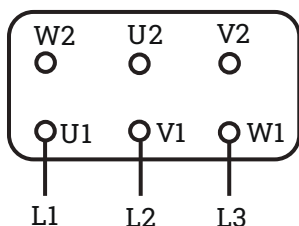
4/8 Pole Single Winding / 50Hz

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 / 0.86	1.57 / 0.82	1.51 / 0.79	1350 / 710	2.6 / 2.4	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	1350 / 710	3.9 / 2.4	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	1350 / 710	3.9 / 3.8	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	1390 / 700	5.2 / 2.5	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	1390 / 700	7.6 / 3.8	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	1430 / 720	10.0 / 4.9	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	1430 / 720	14.7 / 7.3	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	1430 / 720	20.0 / 9.9	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	1430 / 720	24.7 / 12.3	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	1460 / 730	26.2 / 13.1	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		14.15 / 3.99	13.45 / 3.79	12.96 / 3.65	1460 / 730	36.0 / 18.3	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	132M	16.25 / 5.05	15.44 / 4.80	14.88 / 4.63	1460 / 730	49.1 / 24.9	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		19.67 / 6.29	18.69 / 5.98	18.01 / 5.76	1460 / 735	60.8 / 29.9	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		24.60 / 7.53	23.37 / 7.15	22.53 / 6.89	1460 / 735	71.9 / 36.4	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	160L	31.04 / 8.83	29.49 / 8.39	28.42 / 8.08	1460 / 735	85.0 / 42.9	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	31.19 / 9.70	29.63 / 9.21	28.56 / 8.88	1470 / 735	97.4 / 48.1	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		34.51 / 11.12	32.79 / 10.57	31.60 / 10.19	1470 / 735	110.4 / 54.6	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		35.19 / 12.27	33.44 / 11.65	32.23 / 11.23	1470 / 735	120.2 / 61.1	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	180L	38.62 / 13.23	36.69 / 12.57	35.36 / 12.11	1470 / 735	136.4 / 66.3	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	40.14 / 15.70	38.14 / 14.92	36.76 / 14.38	1470 / 735	142.9 / 71.5	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		50.48 / 18.21	47.95 / 17.30	46.22 / 16.67	1475 / 735	168.3 / 84.4	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		57.61 / 21.34	54.73 / 20.27	52.75 / 19.54	1475 / 735	194.2 / 97.4	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	65.29 / 23.56	62.03 / 22.38	59.79 / 21.58	1475 / 735	220.1 / 109.1	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		71.86 / 24.89	68.27 / 23.65	65.80 / 22.80	1475 / 735	239.5 / 120.8	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		79.63 / 23.94	75.65 / 22.75	72.91 / 21.92	1475 / 735	265.4 / 133.8	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	85.49 / 25.28	81.21 / 24.01	78.28 / 23.15	1475 / 735	291.3 / 142.9	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		91.67 / 28.18	87.08 / 26.77	83.94 / 25.80	1475 / 735	314.0 / 157.2	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		98.28 / 30.71	93.37 / 29.17	89.99 / 28.12	1475 / 735	336.6 / 170.2	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		103.73 / 32.82	98.54 / 31.18	94.98 / 30.05	1475 / 735	356.1 / 181.9	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	111.87 / 34.76	106.28 / 33.03	102.44 / 31.83	1475 / 735	388.4 / 194.9	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		117.47 / 35.65	111.59 / 33.87	107.56 / 32.65	1485 / 735	405.1 / 206.6	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		124.93 / 37.67	118.68 / 35.79	114.39 / 34.49	1485 / 735	430.8 / 218.3	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		139.24 / 45.31	132.28 / 43.04	127.50 / 41.49	1485 / 735	482.3 / 240.3	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	144.81 / 47.34	137.57 / 44.97	132.60 / 43.35	1485 / 735	501.6 / 254.6	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		172.66 / 56.89	164.02 / 54.04	158.10 / 52.09	1485 / 735	598.0 / 302.7	0.88 / 0.70	93.0 / 88.9	8.0 / 5.5	2.5 / 2.0	2.3 / 2.0	650.0	1.8120	6 (2Y/Y)
110.0 / 27.5		204.22 / 66.77	194.01 / 63.43	187.00 / 61.14	1485 / 735	707.3 / 357.3	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	315L	371.31 / 118.74	352.74 / 112.80	339.99 / 108.73	1485 / 735	1,286.1 / 649.6	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)

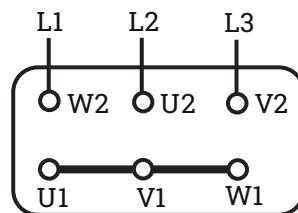
Connection

Dual Speed

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

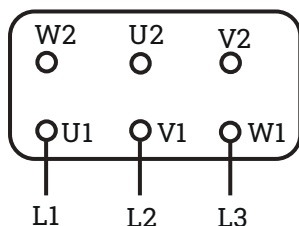


Low speed Y - Connection

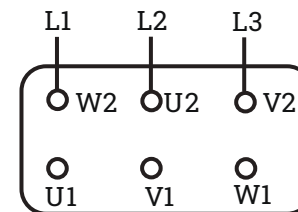


High speed 2Y - Connection

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

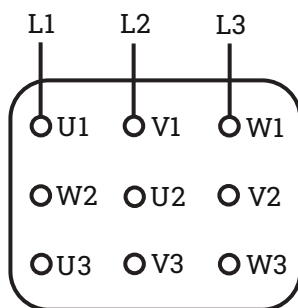


Low speed Y - Connection

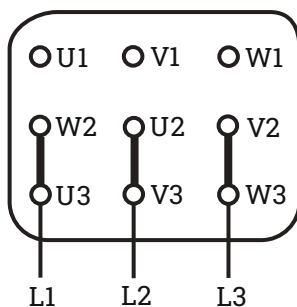


High speed Y - Connection

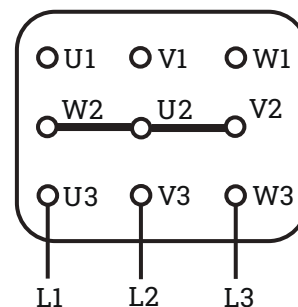
Two separate windings, wire connection Δ Y/Y : (4P/6P)



Low speed Y(6P) - Connection



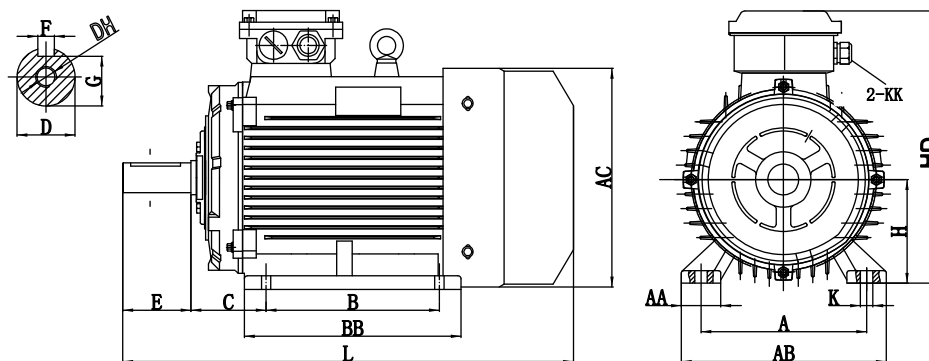
High speed Δ (4P) - Connection



High speed Y(4P) - Connection

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

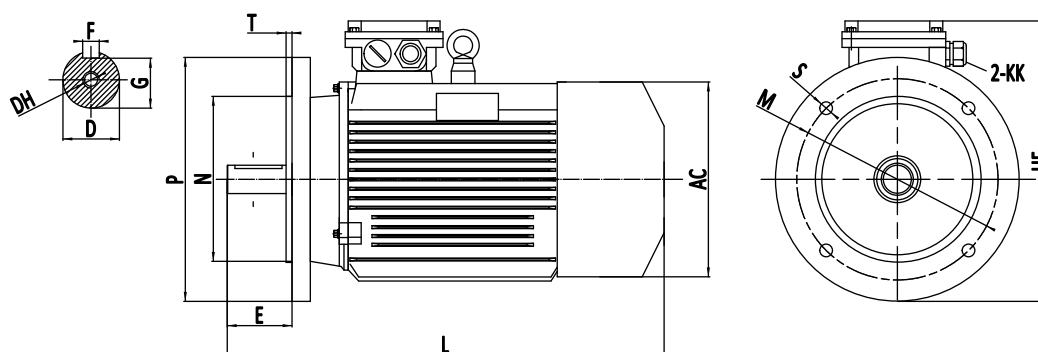
B3 Mounting Dimension



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

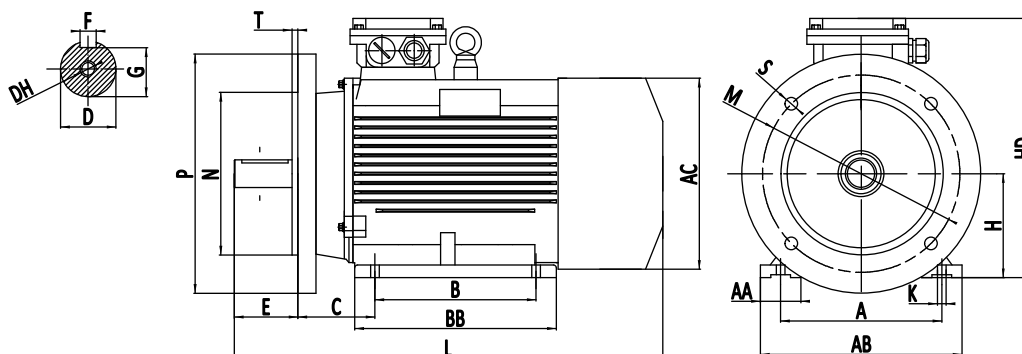
B5 Mounting Dimension



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

KRUGER Ventilation Group

THAILAND (Regional Headquarters)

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Village-Rohad, Bahadurgarh, Jajhar, Haryana - 124507,

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)

Village Rohad, Bahadurgarh-Rohtak Road,
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