



SMmotor **80-355**

IE1 to IE4

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Sumitomo Drive Technologies

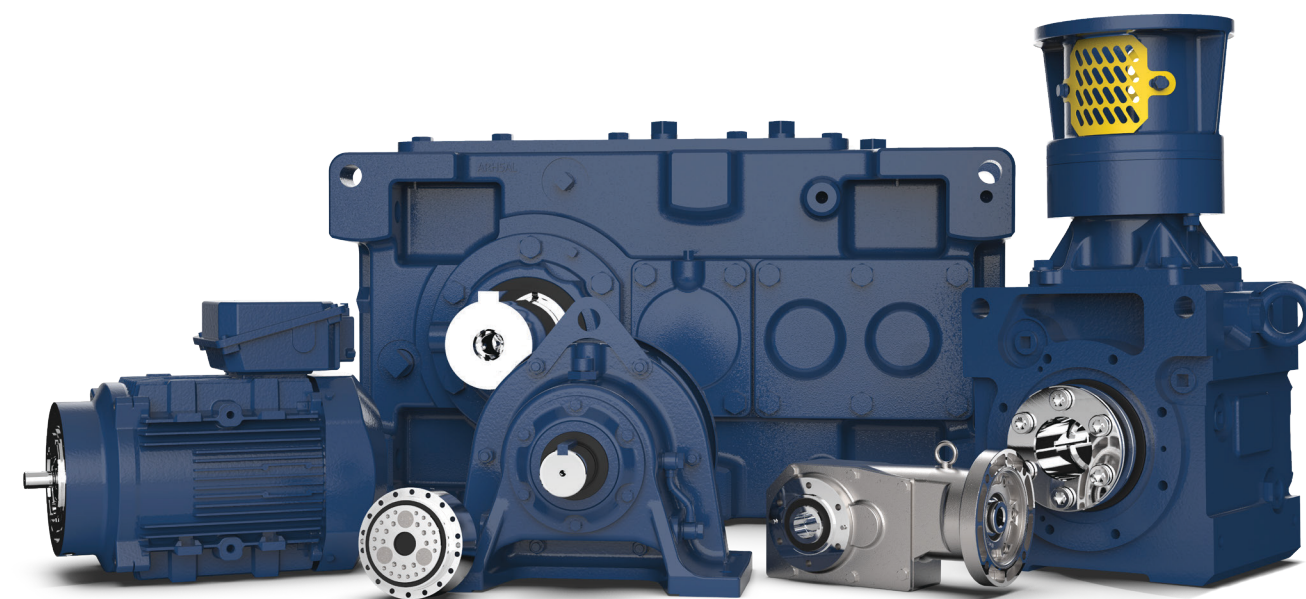
The Sumitomo Group began more than 400 years ago when Masatomo Sumitomo opened a book and medicine store in the city of Kyoto, Japan. Over the next 100 years, the Sumitomo family developed a leading presence in copper refining, which led to the family opening the Besshi Copper Mine. The Shikoku Besshi Copper Mine first opened in 1691, it was developed on the lopes of the Akaishi Mountain range in Ehime Prefecture. The mine operated for 283 years and substantially underpinned Sumitomo's development.

In 1888, a company was formed to provide equipment repair services to the Besshi copper mine. Almost 50 years later, **in 1934**, the company was incorporated as Sumitomo Machinery Co., Ltd. to manufacture machinery for the steel and transportation industries to support rapid economic growth.

In 1969, Sumitomo Machinery Co., Ltd. merged with Uraga Heavy Industries Co., Ltd to create Sumitomo Heavy Industries, Ltd. The company continues to innovate and expand to meet the demands of new market frontiers. Today, Sumitomo Heavy Industries manufactures injection molding machines, laser systems, semiconductor machinery and liquid Crystal production machinery.

In 1939, Sumitomo Heavy Industries started manufacturing Cyclo® Drives with technical collaboration with CYCLO Getriebebau Lorenz Braren KG of Germany. This marks the birth of Sumitomo Drive Technologies.

In 2003, "Sumitomo Drive Technologies" was officially launched by Sumitomo Heavy industries as a global brand name to bind its power transmission business. Since then, Sumitomo Drive Technologies continues to lead the world in knowledge and innovation in power transmission and control devices.



We offer a comprehensive lineup of high quality power transmission products.

For any of your power transmission needs, we have the right product for you.

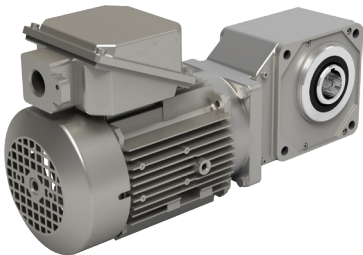
Robust, Reliable, Efficient

No Matter the Application



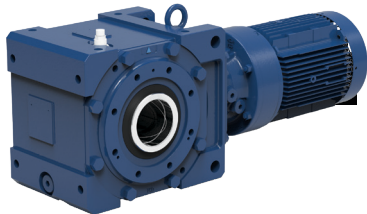
C CYCLO® 6000

- Up to 175 kW
- 14mm to 180mm (Solid Shaft)
- Up to 68,130 Nm
- 3:1 up to 658,503:1



H HYPONIC®

- Up to 11 kW
- 15mm to 55mm (Hollow & Solid)
- Up to 1,480 Nm
- 5:1 up to 1,440:1



B4 CYCLO® BBB 4

- Up to 75 kW
- 55mm to 120mm (Hollow & Solid)
- Up to 18,076 Nm
- 11:1 up to 26,000:1 and greater



M SMMOTOR **SMmotor**

- Up to 630kW
- Up to Frame 400
- Multispeed & Inverter duty
- IP55 to IP66



HB CYCLO® HBB

- Up to 30 kW
- 40mm to 100mm (Hollow Bore)
- Up to 8,564 Nm
- 11:1 up to 26,492:1



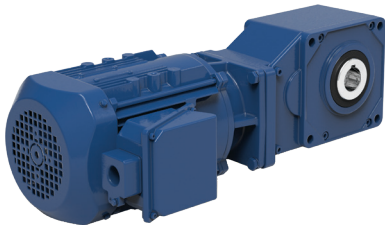
HS HELICAL Shaft Mount

- Up to 224 kW
- 015 to 608 (Hollow Bore)
- Up to 43,938 Nm
- 5:1, 13:1, 20:1, 25:1



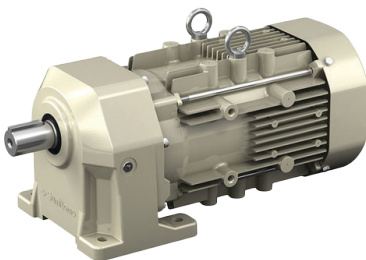
INVERTEK E3 & P2

- Up to 250 kW
- 200 to 600V
- Up to 200% Overload (4 secs)
- P2: Up to 200% (From Zero Speed)



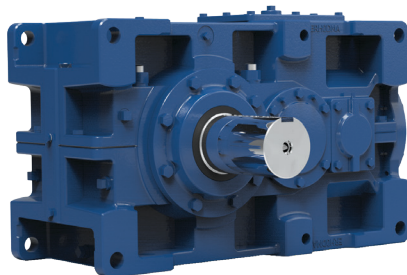
BH BBB-H

- Up to 11 kW
- 40mm to 55mm (Hollow)
- Up to 1,020 Nm
- 5:1 up to 20:1



P PREST® NEO

- Up to 2.2kW
- Up to 1230Nm
- 3:1 up to 200:1



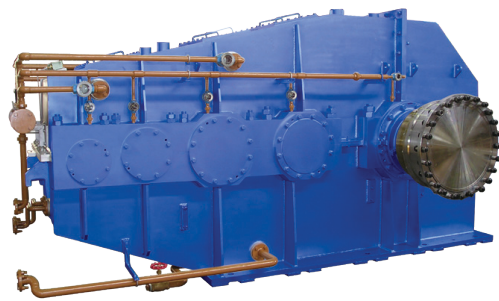
PX PARAMAX® 9000

- Up to 3,900 kW
- 58mm to 360mm (Hollow & Solid)
- Up to 552 kNm
- Up to 500:1 Standard



P4 HANSEN P4

- Up to 10,500 kW
- 80mm to 400mm (Solid Shaft)
- Up to 1100 kNm
- Up to 630:1 (and custom ratios)



S SEISA

- Up to 61,000kW
- Up to 54,000rpm
- ~5000 kNm and more



IE1 to IE4 Series Three-Phase Induction Motor

Features

- Center Height: 80~355
- Power range: 0.75kW~315kW
- IE1, IE2, IE3, IE4 Efficiency
- IP Protection: IP55 standard
IP56, IP65, IP66 optional
- Metal conduit
- Stainless steel nameplate
- Insulation Class: F/B, H/B
- Frame Size: 80~355
- Sumitomo Blue color export painting
- Thermistor (standard for 160 frame and above)

Other options & Accessories

- Brake
- Space Heater
- Backstop
- Inverter duty motor with forced cooling fan

Parts Description

1. Oil Seal D.E
2. Endshield D.E
3. Wave Spring D.E
4. Bearing D.E
5. Inner Bearing Cover D.E
6. Terminal Box
7. Terminal Box Lid
8. Stator Lamination Pack
9. Rotor with shaft
10. Stator Frame
11. Inner Bearing Cover D.E
12. Bearing N.D.E
13. Endshield N.D.E
14. Oil seal N.D.E
15. Fan
16. Fan Cowl

Mounting

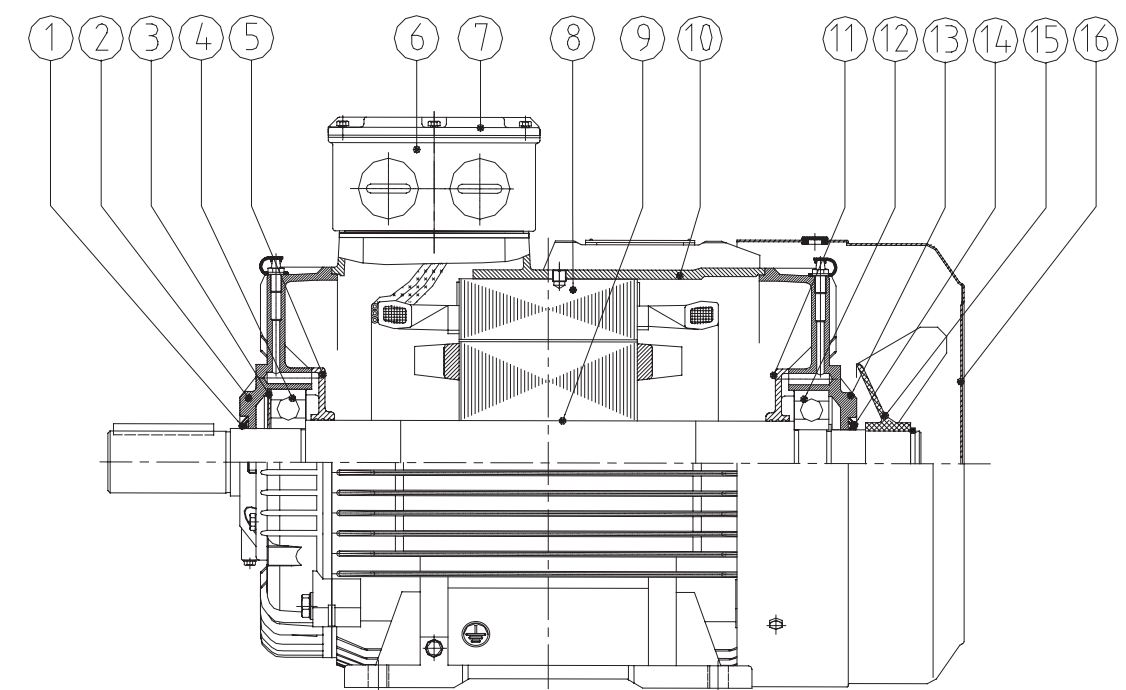
- B3 Foot mount
- B5 Flange mount - Horizontal
- B35 Foot and flange mount
- V1 Flange mount - Vertical

Specification

- Standard construction
- Cast iron frame, endshields, terminal box
- Pressed steel fan cowl
- Cast iron bearings cover
- Fiberglass reinforced fan
- NSK or equivalent bearings

Features

- Dimensions and ratings to IEC60072.
- IP55 rated
- Top mounted terminal box
- Terminal box rotates in 90 deg. increments
- Drilled and tapped hole in D.E. shaft
- Cooling IC411



Motor Power					
Symbol	Power	Symbol	Power	Symbol	Power
01	0.1kW	55	5.5kW	G1	110kW
02	0.18kW	75	7.5kW	G2	110kW (S)
03	0.25kW	A1	11kW (S)	G3	132kW
04	0.37kW	A2	11kW	G6	160kW
05	0.55kW	A5	15kW	H0	200kW
07	0.75kW	A8	18.5kW	H2	220kW
11	1.1kW	B2	22kW	H5	250kW
15	1.5kW	C0	30kW	H8	280kW
2X	2.2kW (S)	C7	37kW	J1	315kW
22	2.2kW	D5	45kW	J5	355kW
30	3.0kW	EX	55kW (S)	K0	400kW
37	3.7kW	E5	55kW	K5	450kW
4X	4.0kW (S)	F7	75kW (S)		
40	4.0kW	F8	75kW		
5X	5.5kW (S)	F9	90kW		

Poles			
Symbol	Poles	Symbol	Poles
2	2P	A	2/4P
4	4P	B	4/6P
6	6P	C	4/8P
8	8P	D	6/8P

Efficiency Class	
IE1	1
IE2	2
IE3	3
IE4	4
IE5	5

Housing Material	
Cast Iron	C
Aluminium	A

Supply					
3-Phase			1-Phase		
Symbol	Supply	Symbol	Supply	Symbol	Supply
0	380-420V, 50Hz*	A	220/380V, 50Hz	S	220V, 50Hz
	440-460V, 60Hz*	B	230/400V, 50Hz	T	230V, 50Hz
1	380V, 50Hz	C	230/415V, 50Hz	U	240V, 50Hz
2	400V, 50Hz	D	240/415V, 50Hz	V	120/220V, 50Hz
3	415V, 50Hz	E	220/440V, 60Hz	W	220V, 60Hz
4	380V, 60Hz	F	220V, 60Hz		
5	440V, 60Hz	G	220V, 50Hz		
6	460V, 60Hz	H	230V, 50Hz		
7	480V, 60Hz	J	240V, 50Hz		

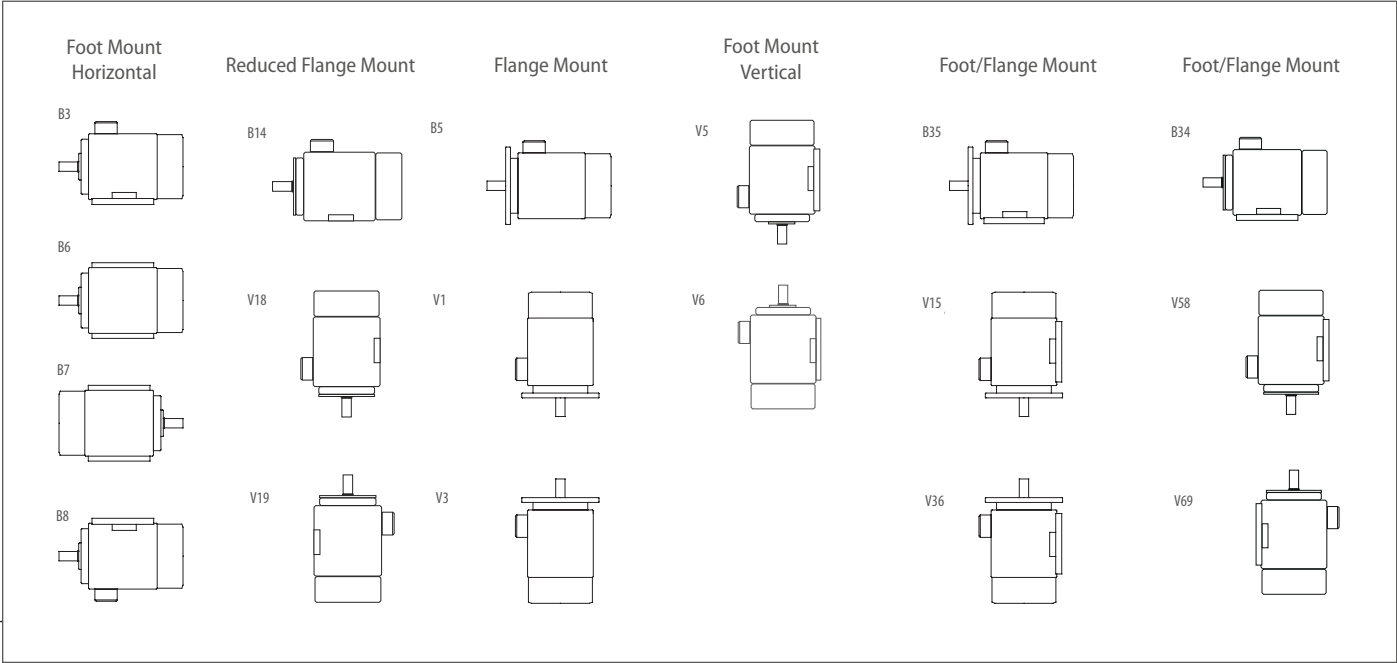
*Voltage range only applicable for IE2-IE4 motor. IE1 motor must follow specific voltage during order placement.

Ingress Protection Code			
Class F		Class H	
Symbol	Mounting	Symbol	Mounting
1	IP54	A	IP54
2	IP56	B	IP56
3	IP65	C	IP65
4	IP44	D	IP44
5	IP55*	E	IP55
6	IP66	F	IP66

Mounting					
Symbol	Mounting	Symbol	Mounting	Symbol	Mounting
1	V1	A	B6	G	V15
3	B3	B	B7	H	V36
4	B14	C	B8	J	V18
5	B5	D	V5	K	V19
7	B34	E	V6	L	V58
8	B35	F	V3	M	V69

Paint	
Symbol	Description
X*	Standard Sumitomo Blue 90micron
U	Australia Orange 90micron
A	C2
B	C3
C	C4
D	C5
E	Special Color - To be specified

MOUNTING ARRANGEMENTS (IEC60034-7)



T.Box					
Symbol		Description			
Top		Left		Right	
A	Left	E	Down	J	Up
B	Back	F	Back	K	Back
C	Front	G	Front	L	Front
D	Right	H	Up	M	Down

Brake/VF	
Symbol	Description
X	N.A.
B	Brake (400V)
C	Brake (400V) + Inverter Duty
V	Inverter Duty
E	Brake (400V) + Manual Release
F	Brake (400V) + Manual Release + Inverter Duty
G	Brake (200V)
H	Brake (200V) + Inverter Duty

Accessories	
Symbol	Description
X	None**
T	Thermistor
S	Space Heater
U	Space Heater + Thermistor
E	Encoder
P	Backstop

Lead wire direction	Terminal box mounting position (as viewed from output shaft with with motor being horizontal)					
	Top		Left		Right	
A			E		J	
B			F		K	
C			G		L	
D*			H		M	

S C 1 A5 4 2 5 3 X A B T

Motor Series (S) Housing Material Efficiency Class Poles Motor Power Supply Ingress Protection Code Mounting Paint T.Box Accessory Brake/VF

*Default **11kW and above comes with thermistor by default

2 POLES - 3000 RPM 50Hz IE1

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC1072	80M1-2	0.75	2840	1.93	1.83	1.76	72.1	71.8	68.9	0.82	0.78	0.67	5.5	2.5	2.2	2.5	0.0008	61	17
SC1112	80M2-2	1.1	2845	2.68	2.55	2.46	75.0	74.7	72.1	0.83	0.79	0.67	5.5	3.7	2.2	2.6	0.0009	63	18
SC1152	90S-2	1.5	2850	3.47	3.30	3.18	77.2	77.2	74.4	0.85	0.81	0.71	6.0	5.0	2.7	3.2	0.0012	65	23
SC1222	90L-2	2.2	2850	4.88	4.63	4.47	79.7	79.3	76.2	0.86	0.81	0.72	6.1	7.4	2.9	3.1	0.0014	69	26
SC1302	100L-2	3	2860	6.50	6.18	5.95	81.5	81.3	79.8	0.86	0.83	0.73	6.9	10.0	3.0	3.5	0.0039	72	33
SC1402	112M1-2	4	2870	8.50	8.08	7.79	83.1	82.9	80.8	0.86	0.83	0.74	6.7	13.3	2.5	3.1	0.0055	74	45
SC15X2	112M2-2	5.5	2890	11.2	10.7	10.3	84.7	84.6	82.1	0.88	0.84	0.78	7.4	18.2	2.6	3.3	0.0070	78	50
SC1552	132S1-2	5.5	2895	11.2	10.7	10.3	84.7	84.7	82.3	0.88	0.84	0.78	7.4	18.1	2.5	3.3	0.0111	80	58
SC1752	132S2-2	7.5	2895	15.1	14.3	13.8	86.0	85.6	83.8	0.88	0.85	0.78	7.6	24.7	2.4	3.2	0.0132	80	64
SC1A12	132M-2	11	2910	21.7	20.6	19.9	87.6	87.5	84.4	0.88	0.85	0.81	7.2	36.1	2.4	3.3	0.0280	83	87
SC1A22	160M1-2	11	2930	21.7	20.6	19.9	87.6	87.5	86.5	0.88	0.86	0.82	7.3	35.9	2.3	2.6	0.039	83	96
SC1A52	160M2-2	15	2930	29.2	27.7	26.7	88.7	88.2	86.4	0.88	0.86	0.82	7.2	48.9	2.3	2.6	0.044	83	110
SC1A82	160L-2	18.5	2935	35.8	34.0	32.8	89.3	89.2	87.6	0.88	0.86	0.82	7.3	60.2	2.2	2.7	0.057	84	126
SC1B22	180M-2	22	2940	42.3	40.1	38.7	89.9	89.8	87.9	0.88	0.86	0.82	7.0	71.5	2.4	3.0	0.077	84	156
SC1C02	200L1-2	30	2950	57.1	54.3	52.3	90.7	90.8	88.7	0.88	0.86	0.82	5.9	97.1	1.9	3.0	0.125	86	206
SC1C72	200L2-2	37	2955	70.0	66.5	64.1	91.2	91.0	89.8	0.88	0.86	0.82	6.5	119.6	2.3	3.3	0.140	88	235
SC1D52	225M-2	45	2960	84.7	80.5	77.6	91.7	91.4	90.0	0.88	0.86	0.83	7.1	145.2	2.4	3.3	0.230	90	292
SC1E52	250M1-2	55	2965	101.9	96.9	93.4	92.1	92.2	90.2	0.89	0.87	0.83	8.0	177.2	2.7	3.1	0.320	90	358
SC1F72	250M2-2	75	2965	138.1	131.2	126.5	92.7	92.5	90.2	0.89	0.87	0.83	6.8	241.6	2.2	3.2	0.412	90	438
SC1F82	280S-2	75	2965	138.1	131.2	126.5	92.7	92.5	90.5	0.89	0.87	0.83	6.8	241.6	2.2	3.2	0.595	90	480
SC1F92	280M1-2	90	2970	165.2	157.0	151.3	93.0	92.6	91.0	0.89	0.88	0.83	7.2	289.4	2.2	3.0	0.678	90	540
SC1G12	280M2-2	110	2970	199.0	189.1	182.3	93.3	93.0	91.6	0.9	0.89	0.83	6.8	353.7	2.6	3.1	0.860	90	605
SC1G22	315S-2	110	2975	199.0	189.1	182.3	93.3	93.1	91.7	0.9	0.89	0.84	6.1	353.1	2.3	2.6	1.170	90	803
SC1G32	315M-2	132	2980	238.3	226.4	218.2	93.5	93.3	91.8	0.9	0.89	0.84	7.1	423.0	2.3	2.8	1.550	90	860
SC1G62	315L1-2	160	2980	284.8	270.6	260.8	93.8	93.6	91.8	0.91	0.89	0.85	7.4	512.8	2.5	2.7	1.750	91	891
SC1H02	315L2-2	200	2980	355.2	337.5	325.3	94.0	93.7	92.0	0.91	0.89	0.87	7.3	640.9	2.7	3.0	2.050	91	985
SC1H52	355M-2	250	2985	444.1	421.9	406.6	94.0	93.8	92.2	0.91	0.9	0.87	7.1	799.8	1.8	2.6	3.560	93	1482
SC1J52	355L-2	315	2985	559.5	531.5	512.3	94.0	93.8	92.3	0.91	0.9	0.88	6.3	1007.8	1.7	2.9	4.120	94	1706

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

4 POLES - 1500 RPM 50Hz IE1

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC1054	80M1-4	0.55	1410	1.59	1.51	1.46	70.0	69.7	66.5	0.75	0.67	0.55	4.6	3.7	2.4	2.7	0.002	54	17
SC1074	80M2-4	0.75	1410	2.08	1.98	1.90	72.1	71.8	68.5	0.76	0.66	0.54	4.4	5.1	2.2	2.7	0.002	57	18
SC1114	90S-4	1.1	1410	2.89	2.75	2.65	75.0	74.6	71.8	0.77	0.68	0.55	4.3	7.5	2.2	2.7	0.002	61	22
SC1154	90L-4	1.5	1410	3.78	3.60	3.47	77.2	77.0	74.6	0.78	0.71	0.58	4.7	10.2	2.5	2.6	0.003	61	26
SC1224	100L1-4	2.2	1420	5.24	4.98	4.80	79.7	79.5	76.5	0.80	0.73	0.59	5.3	14.8	2.5	2.8	0.007	61	33
SC1304	100L2-4	3	1420	6.99	6.64	6.40	81.5	81.3	78.2	0.80	0.75	0.63	5.7	20.2	2.4	2.7	0.007	63	37
SC1404	112M-4	4	1430	9.14	8.68	8.37	83.1	82.8	80.7	0.80	0.77	0.65	5.7	26.7	2.7	2.8	0.010	64	46
SC1554	132S-4	5.5	1440	12.2	11.6	11.2	84.7	84.2	82.0	0.81	0.77	0.65	6.8	36.5	2.3	2.8	0.022	68	60
SC1754	132M1-4	7.5	1445	16.2	15.4	14.8	86.0	85.6	83.1	0.82	0.78	0.72	7.2	49.6	2.6	2.8	0.030	68	73
SC1A14	132M2-4	11	1445	23.3	22.1	21.3	87.6	87.2	84.6	0.82	0.80	0.72	6.2	72.7	2.2	2.8	0.063	69	88
SC1A24	160M-4	11	1460	23.3	22.1	21.3	87.6	87.8	85.1	0.82	0.80	0.73	6.8	72.0	2.3	2.8	0.075	70	105
SC1A54	160L-4	15	1460	30.6	29.1	28.0	88.7	88.9	86.2	0.84	0.80	0.73	7.4	98.1	2.6	2.8	0.093	73	125
SC1A84	180M-4	18.5	1465	37.0	35.2	33.9	89.3	88.7	86.8	0.85	0.81	0.74	7.0	120.6	2.1	2.7	0.140	75	153
SC1B24	180L-4	22	1470	43.7	41.6	40.1	89.9	89.2	87.9	0.85	0.82	0.76	6.8	142.9	2.1	2.7	0.159	75	170
SC1C04	200L-4	30	1475	58.4	55.5	53.5	90.7	90.5	88.2	0.86	0.84	0.78	6.5	194.2	2.2	2.8	0.265	78	221
SC1C74	225S-4	37	1475	71.7	68.1	65.6	91.2	91.1	89.6	0.86	0.84	0.78	7.0	239.6	2.1	2.8	0.404	80	283
SC1D54	225M-4	45	1475	86.7	82.4	79.4	91.7	91.4	90.0	0.86	0.84	0.78	6.6	291.4	2.2	2.8	0.470	80	340
SC1E54	250M1-4	55	1480	105.5	100.2	96.6	92.1	92.0	91.0	0.86	0.84	0.79	6.3	354.9	2.2	2.7	0.670	82	375
SC1F74	250M2-4	75	1480	141.3	134.2	129.4	92.7	92.6	91.4	0.87	0.84	0.80	6.3	484.0	2.2	2.7	0.880	82	455
SC1F84	280S-4	75	1480	139.7	132.7	127.9	92.7	92.6	91.8	0.88	0.85	0.81	6.3	484.0	2.3	2.8	1.120	84	506
SC1F94	280M1-4	90	1485	167.1	158.7	153.0	93.0	92.7	91.8	0.88	0.85	0.81	7.1	578.8	2.6	2.8	1.460	84	590
SC1G14	280M2-4	110	1485	203.6	193.4	186.4	93.3	93.1	92.5	0.88	0.85	0.81	6.2	707.4	2.4	2.8	2.680	85	640
SC1G24	315S-4	110	1485	203.6	193.4	186.4	93.3	93.0	92.5	0.88	0.85	0.81	5.8	707.4	2.1	2.8	3.100	88	842
SC1G34	315M-4	132	1485	243.8	231.6	223.2	93.5	93.2	92.5	0.88	0.85	0.82	6.3	848.9	2.2	2.6	3.300	88	908
SC1G64	315L1-4	160	1490	291.2	276.6	266.6	93.8	93.5	92.8	0.89	0.86	0.82	5.7	1025.5	2.0	2.6	3.790	90	992
SC1H04	315L2-4	200	1490	363.2	345.1	332.6	94.0	93.9	93.0	0.89	0.86	0.82	6.2	1281.9	2.3	2.7	4.500	90	1122
SC1H24	355M-4	220	1490	395.1	375.4	361.8	94.0	93.8	93.0	0.90	0.86	0.83	6.3	1410.1	2.1	2.5	5.050	90	1410
SC1H54	355M-4	250	1490	449.0	426.5	411.1	94.0	93.8	93.2	0.90	0.87	0.84	6.5	1602.3	2.1	2.8	5.670	90	1490
SC1H84	355M2-4	280	1490	502.9	477.7	460.5	94.0	93.7	93.1	0.90	0.87	0.84	6.2	1794.6	2.1	2.7	6.032	90	1680
SC1J14	355L-4	315	1490	565.7	537.4	518.0	94.0	93.8	93.3	0.90	0.87	0.84	6.0	2019.0	2.1	2.8	6.660	90	1780



PERFORMANCE DATA

PERFORMANCE DATA

6 POLES - 1000 RPM 50Hz IE1

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC1376	80M1-6	0.37	915	1.35	1.28	1.23	59.7	59.8	55.5	0.70	0.62	0.52	3.2	3.9	1.8	2.0	0.002	46	17
SC1056	80M2-6	0.55	915	1.81	1.72	1.66	65.8	65.7	61.6	0.70	0.63	0.52	3.3	5.7	2.0	2.2	0.003	50	20
SC1076	90S-6	0.75	920	2.29	2.18	2.10	70.0	69.7	65.6	0.71	0.64	0.54	3.6	7.8	2.3	2.6	0.003	53	23
SC1116	90L-6	1.1	925	3.18	3.02	2.92	72.9	72.6	69.5	0.72	0.65	0.52	3.5	11.4	2.1	2.5	0.004	55	26
SC1156	100L-6	1.5	925	4.15	3.94	3.80	75.2	74.8	72.4	0.73	0.65	0.54	4.3	15.5	2.3	2.9	0.007	60	32
SC1226	112M-6	2.2	935	5.89	5.60	5.40	77.7	77.2	73.2	0.73	0.68	0.57	4.4	22.5	2.2	2.5	0.014	65	41
SC1306	132S-6	3	960	7.83	7.44	7.17	79.7	79.4	76.0	0.73	0.69	0.57	5.8	29.8	2.1	3.0	0.029	66	59
SC1406	132M1-6	4	960	10.0	9.5	9.1	81.4	81.9	77.5	0.75	0.70	0.57	6.4	39.8	2.1	2.7	0.036	66	68
SC1556	132M2-6	5.5	960	13.4	12.7	12.3	83.1	82.6	80.2	0.75	0.72	0.58	6.5	54.7	2.0	2.5	0.045	67	79
SC1756	160M-6	7.5	965	17.7	16.8	16.2	84.7	84.9	81.6	0.76	0.72	0.63	5.4	74.2	2.0	2.3	0.088	71	96
SC1A16	160L-6	11	965	25.5	24.2	23.3	86.4	86.5	83.0	0.76	0.73	0.65	5.5	108.9	2.0	2.3	0.115	72	124
SC1A56	180L-6	15	970	33.3	31.7	30.5	87.7	87.6	85.1	0.78	0.74	0.66	6.2	147.7	2.1	2.5	0.207	72	161
SC1A86	200L1-6	18.5	975	39.2	37.2	35.9	88.6	88.2	86.3	0.81	0.78	0.68	6.2	181.2	2.0	2.8	0.315	73	193
SC1B26	200L2-6	22	975	46.3	44.0	42.4	89.2	88.9	87.8	0.81	0.78	0.70	5.9	215.5	2.0	2.5	0.360	73	211
SC1C06	225M-6	30	980	61.6	58.5	56.4	90.2	90.5	88.5	0.82	0.80	0.71	6.4	292.3	2.0	2.5	0.545	73	296
SC1C76	250M-6	37	980	73.7	70.0	67.5	90.8	91.0	89.7	0.84	0.81	0.72	6.7	360.6	2.3	2.6	0.834	76	347
SC1D56	280S-6	45	980	88.0	83.6	80.6	91.4	91.3	90.5	0.85	0.82	0.75	6.7	438.5	2.1	3.0	1.390	76	444
SC1E56	280M1-6	55	980	107.0	101.6	98.0	91.9	92.0	90.8	0.85	0.83	0.78	6.3	536.0	2.1	2.5	1.650	76	492
SC1F76	280M2-6	75	980	144.8	137.5	132.6	92.6	92.5	91.2	0.85	0.83	0.79	6.8	730.9	2.8	2.9	3.210	79	610
SC1F86	315S-6	75	985	144.8	137.5	132.6	92.6	92.3	91.5	0.85	0.83	0.80	7.0	727.2	2.0	2.7	4.100	80	795
SC1F96	315M-6	90	985	173.2	164.5	158.6	92.9	92.6	91.5	0.85	0.84	0.80	6.2	872.6	2.0	2.4	4.300	80	884
SC1G26	315L1-6	110	990	210.7	200.2	193.0	93.3	92.8	92.2	0.85	0.84	0.80	6.7	1061.1	2.4	2.8	5.450	82	946
SC1G36	315L2-6	132	990	249.4	236.9	228.4	93.5	93.5	92.3	0.86	0.85	0.81	6.8	1273.3	2.3	2.9	6.120	82	1071
SC1G66	355M1-6	160	990	297.9	283.0	272.8	93.8	93.5	92.7	0.87	0.86	0.82	6.5	1543.4	1.9	2.5	8.850	85	1426
SC1H06	355M2-6	200	990	371.6	353.0	340.2	94.0	93.8	93.0	0.87	0.86	0.82	6.3	1929.3	2.0	2.5	9.550	85	1585
SC1H56	355L-6	250	990	464.5	441.3	425.3	94.0	93.7	93.2	0.87	0.86	0.83	6.0	2411.6	1.9	2.4	10.40	87	1690

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

8 POLES - 750 RPM 50Hz IE1

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC1028	80M1-8	0.18	670	1.18	1.12	1.08	38.0	38.0	33.0	0.61	0.55	0.45	3.2	2.6	2.1	2.4	0.002	50	17
SC1038	80M2-8	0.25	670	1.43	1.36	1.31	43.4	42.7	39.6	0.61	0.55	0.45	3.3	3.6	2.0	2.2	0.003	50	19
SC1048	90S-8	0.37	675	1.82	1.73	1.67	49.7	49.9	45.5	0.62	0.56	0.46	3.6	5.2	1.9	2.5	0.004	53	23
SC1058	90L-8	0.55	675	2.36	2.25	2.17	56.1	56.2	52.2	0.63	0.56	0.46	3.5	7.8	1.9	2.3	0.004	54	25
SC1078	100L1-8	0.75	680	2.70	2.56	2.47	61.2	61.3	56.6	0.69	0.57	0.46	4.0	10.5	2.1	2.4	0.008	56	33
SC1118	100L2-8	1.1	680	3.59	3.41	3.29	66.5	66.2	60.8	0.70	0.59	0.47	3.7	15.4	2.2	2.4	0.010	58	38
SC1158	112M1-8	1.5	685	4.51	4.28	4.13	70.2	69.9	65.6	0.72	0.60	0.50	4.2	20.9	2.2	2.7	0.017	61	50
SC12X8	112M2-8	2.2	685	6.26	5.94	5.73	74.2	73.7	69.8	0.72	0.62	0.51	4.5	30.7	2.0	2.6	0.018	62	55
SC1228	132S-8	2.2	690	6.17	5.86	5.65	74.2	73.4	71.4	0.73	0.63	0.51	4.7	30.4	2.1	2.5	0.030	62	58
SC1308	132M1-8	3	690	8.11	7.70	7.43	77.0	76.5	73.9	0.73	0.65	0.54	4.6	41.5	2.1	2.6	0.040	63	68
SC14X8	132M2-8	4	695	10.5	10.0	9.6	79.2	78.5	76.6	0.73	0.67	0.56	4.6	55.0	1.9	2.4	0.040	67	74
SC1408	160M1-8	4	700	10.4	9.9	9.5	79.2	78.8	76.8	0.74	0.68	0.56	4.5	54.6	2.1	2.6	0.075	67	76
SC1558	160M2-8	5.5	710	13.7	13.0	12.5	81.4	81.2	78.6	0.75	0.68	0.56	5.0	74.0	2.3	2.5	0.093	68	92
SC1758	160L-8	7.5	715	17.8	16.9	16.3	83.1	82.4	79.3	0.77	0.69	0.56	6.0	100.2	2.2	2.6	0.125	68	117
SC1A28	180L-8	11	715	25.5	24.3	23.4	85.0	84.7	82.4	0.77	0.69	0.56	5.5	146.9	2.2	2.5	0.202	70	154
SC1A58	200L-8	15	720	33.9	32.2	31.0	86.2	85.6	83.5	0.78	0.72	0.58	5.8	199.0	2.1	2.5	0.338	71	202
SC1A88	225S-8	18.5	720	41.5	39.4	38.0	86.9	86.2	83.9	0.78	0.73	0.61	6.3	245.4	2.1	2.5	0.490	73	251
SC1B28	225M-8	22	725	48.4	46.0	44.3	87.4	87.5	84.2	0.79	0.74	0.63	6.2	289.8	2.2	2.5	0.550	73	295
SC1C08	250M-8	30	725	64.5	61.3	59.1	88.3	87.9	86.0	0.80	0.76	0.64	5.9	395.2	2.3	2.6	0.830	74	358
SC1C78	280S-8	37	730	78.2	74.2	71.6	88.8	88.5	86.5	0.81	0.76	0.65	6.3	484.0	2.1	2.5	1.390	75	472
SC1D58	280M1-8	45	735	94.6	89.9	86.6	89.2	88.7	87.3	0.81	0.76	0.65	6.4	584.7	1.9	2.5	1.650	76	528
SC1E58	280M2-8	55	740	113.6	107.9	104.0	89.7	88.7	87.9	0.82	0.77	0.67	6.9	709.8	2.0	2.5	3.650	77	613
SC1E58	315S-8	55	740	112.2	106.6	102.8	89.7	89.5	88.2	0.83	0.78	0.69	6.8	709.8	1.9	2.5	4.790	78	729
SC1F88	315M-8	75	740	152.0	144.4	139.2	90.3	90.0	88.6	0.83	0.78	0.70	7.0	967.9	2.0	2.4	5.580	78	902
SC1F98	315L1-8	90	740	179.5	170.5	164.3	90.7	90.5	89.0	0.84	0.78	0.70	6.7	1161.5	2.0	2.3	6.370	80	969
SC1G28	315L2-8	110	740	218.4	207.5	200.0	91.1	90.9	89.5	0.84	0.80	0.72	6.4	1419.6	1.9	2.5	7.230	81	1112
SC1G38	355M1-8	132	740	260.9	247.9	238.9	91.5	91.1	90.0	0.84	0.81	0.72	5.8	1703.5	2.0	2.3	10.54	82	1475
SC1G68	355M2-8	160	740	311.2	295.6	285.0	91.9	92.0	90.0	0.85	0.82	0.75	5.5	2064.9	1.9	2.3	11.72	86	1528
SC1H08	355L-8	200	740	386.5	367.2	353.9	92.5	92.2	90.2	0.85	0.82	0.75	6.0	2581.1	2.0	2.3	12.85	87	1730
SC1H58	355L-8	250	740	483.1	459.0	442.4	92.5	92.2	90.5	0.85	0.82	0.75	5.6	3226.4	2.0	2.2	14.32	88	2150

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

2 POLES - 3600 RPM 60Hz IE1

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)	Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
					100	75	50	100	75	50							
SC1072	80M1-2	0.75	3405	1.62	74.0	73.8	71.1	0.82	0.78	0.67	5.5	2.1	2.2	2.5	0.0008	61	17
SC1112	80M2-2	1.1	3415	2.22	78.5	78.2	74.6	0.83	0.79	0.67	5.5	3.1	2.2	2.6	0.0009	63	18
SC1152	90S-2	1.5	3420	2.86	81.0	80.9	75.4	0.85	0.81	0.71	6.0	4.2	2.7	3.2	0.0012	65	23
SC1222	90L-2	2.2	3420	4.12	81.5	81.3	77.8	0.86	0.81	0.72	6.1	6.1	2.9	3.1	0.0014	69	26
SC1302	100L-2	3	3430	5.45	84.0	83.4	79.8	0.86	0.83	0.73	6.9	8.4	3.0	3.5	0.0039	72	33
SC1402	112M1-2	4	3445	7.20	84.8	84.5	81.2	0.86	0.83	0.74	6.7	11.1	2.5	3.1	0.0055	74	45
SC15X2	112M2-2	5.5	3465	9.54	86.0	85.7	82.5	0.88	0.84	0.78	7.4	15.2	2.6	3.3	0.0070	78	50
SC1552	132S1-2	5.5	3475	9.54	86.0	85.8	82.6	0.88	0.84	0.78	7.4	15.1	2.5	3.3	0.0111	80	58
SC1752	132S2-2	7.5	3475	12.8	87.5	87.6	84.1	0.88	0.85	0.78	7.6	20.6	2.4	3.2	0.0132	80	64
SC1A12	132M-2	11	3490	18.7	87.5	87.5	84.4	0.88	0.85	0.81	7.2	30.1	2.4	3.3	0.0280	83	87
SC1A22	160M1-2	11	3515	18.7	87.5	87.4	85.8	0.88	0.86	0.82	7.3	29.9	2.3	2.6	0.039	83	96
SC1A52	160M2-2	15	3515	25.3	88.5	88.2	86.4	0.88	0.86	0.82	7.2	40.8	2.3	2.6	0.044	83	110
SC1A82	160L-2	18.5	3520	30.8	89.5	89.2	87.5	0.88	0.86	0.82	7.3	50.2	2.2	2.7	0.057	84	126
SC1B22	180M-2	22	3525	36.7	89.5	89.4	87.2	0.88	0.86	0.82	7.0	59.6	2.4	3.0	0.077	84	156
SC1C02	200L1-2	30	3540	49.6	90.2	90.1	88.5	0.88	0.86	0.82	5.9	80.9	1.9	3.0	0.125	86	206
SC1C72	200L2-2	37	3545	60.3	91.5	91.3	89.8	0.88	0.86	0.82	6.5	99.7	2.3	3.3	0.140	88	235
SC1D52	225M-2	45	3550	73.2	91.7	91.4	90.2	0.88	0.86	0.83	7.1	121.1	2.4	3.3	0.230	90	292
SC1E52	250M1-2	55	3555	87.8	92.4	92.2	90.2	0.89	0.87	0.83	8.0	147.7	2.7	3.1	0.320	90	358
SC1F72	250M2-2	75	3555	118.9	93.0	92.6	90.3	0.89	0.87	0.83	6.8	201.5	2.2	3.2	0.412	90	438
SC1F82	280S-2	75	3560	118.9	93.0	92.7	90.5	0.89	0.87	0.83	6.8	201.2	2.2	3.2	0.595	90	480
SC1F92	280M1-2	90	3565	142.7	93.0	92.7	90.8	0.89	0.88	0.83	7.2	241.1	2.2	3.0	0.678	90	540
SC1G22	280M2-2	110	3565	172.5	93.0	92.8	91.1	0.9	0.89	0.83	6.8	294.7	2.6	3.1	0.860	90	605
SC1G12	315S-2	110	3570	172.5	93.0	92.8	91.5	0.9	0.89	0.84	6.1	294.3	2.3	2.6	1.170	90	803
SC1G32	315M-2	132	3575	206.9	93.0	92.8	91.8	0.9	0.89	0.84	7.1	352.6	2.3	2.8	1.550	90	860
SC1G62	315L1-2	160	3575	245.2	94.1	93.5	92.3	0.91	0.89	0.85	7.4	427.4	2.5	2.7	1.750	91	891
SC1H02	315L2-2	200	3575	306.5	94.1	93.6	92.5	0.91	0.89	0.87	7.3	534.3	2.7	3.0	2.050	91	985
SC1H52	355M-2	250	3580	383.1	94.1	93.8	92.5	0.91	0.9	0.87	7.1	666.9	1.8	2.6	3.560	93	1482
SC1J12	355L-2	315	3580	482.7	94.1	93.8	92.6	0.91	0.9	0.88	6.3	840.3	1.7	2.9	4.120	94	1706

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

4 POLES - 1800 RPM 60Hz IE1

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)	Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
					100	75	50	100	75	50							
SC1054	80M1-4	0.55	1690	1.30	74.0	73.8	70.5	0.75	0.67	0.55	4.6	3.1	2.4	2.7	0.002	54	17
SC1074	80M2-4	0.75	1690	1.68	77.0	76.9	73.6	0.76	0.66	0.54	4.4	4.2	2.2	2.7	0.002	57	18
SC1114	90S-4	1.1	1690	2.37	79.0	78.6	75.2	0.77	0.68	0.55	4.3	6.2	2.2	2.7	0.002	61	22
SC1154	90L-4	1.5	1690	3.10	81.5	81.3	77.4	0.78	0.71	0.58	4.7	8.5	2.5	2.6	0.003	61	26
SC1224	100L1-4	2.2	1705	4.35	83.0	82.8	78.9	0.80	0.73	0.59	5.3	12.3	2.5	2.8	0.007	61	33
SC1304	100L2-4	3	1705	5.82	84.5	84.4	80.1	0.80	0.75	0.63	5.7	16.8	2.4	2.7	0.007	63	37
SC1404	112M-4	4	1715	7.67	85.5	85.3	82.3	0.80	0.77	0.65	5.7	22.3	2.7	2.8	0.010	64	46
SC1554	132S-4	5.5	1730	10.2	87.0	86.8	84.6	0.81	0.77	0.65	6.8	30.4	2.3	2.8	0.022	68	60
SC1754	132M1-4	7.5	1735	13.7	87.5	87.4	85.5	0.82	0.78	0.72	7.2	41.3	2.6	2.8	0.030	68	73
SC1A14	132M2-4	11	1735	19.9	88.5	88.4	85.9	0.82	0.80	0.72	6.2	60.5	2.2	2.8	0.063	69	88
SC1A24	160M-4	11	1750	19.9	88.5	88.3	86.1	0.82	0.80	0.73	6.8	60.0	2.3	2.8	0.075	70	105
SC1A54	160L-4	15	1750	26.2	89.5	89.6	87.6	0.84	0.80	0.73	7.4	81.9	2.6	2.8	0.093	73	125
SC1A84	180M-4	18.5	1760	31.6	90.5	90.3	88.2	0.85	0.81	0.74	7.0	100.4	2.1	2.7	0.140	75	153
SC1B24	180L-4	22	1765	37.3	91.0	90.9	88.9	0.85	0.82	0.76	6.8	119.0	2.1	2.7	0.159	75	170
SC1C04	200L-4	30	1770	49.9	91.7	91.5	89.7	0.86	0.84	0.78	6.5	161.9	2.2	2.8	0.265	78	221
SC1C74	225S-4	37	1770	61.1	92.4	92.2	90.5	0.86	0.84	0.78	7.0	199.6	2.1	2.8	0.404	80	283
SC1D54	225M-4	45	1770	73.8	93.0	92.8	91.4	0.86	0.84	0.78	6.6	242.8	2.2	2.8	0.470	80	340
SC1E54	250M1-4	55	1775	90.2	93.0	92.9	91.9	0.86	0.84	0.79	6.3	295.9	2.2	2.7	0.670	82	375
SC1F74	250M2-4	75	1775	121.4	93.2	93.1	92.1	0.87	0.84	0.80	6.3	403.5	2.2	2.7	0.880	82	455
SC1F84	280S-4	75	1775	120.0	93.2	93	92.1	0.88	0.85	0.81	6.3	403.5	2.3	2.8	1.120	84	506
SC1F94	280M1-4	90	1780	144.0	93.2	93.3	92.3	0.88	0.85	0.81	7.1	482.9	2.6	2.8	1.460	84	590
SC1G14	280M2-4	110	1780	175.4	93.5	93.3	92.4	0.88	0.85	0.81	6.2	590.2	2.4	2.8	2.680	85	640
SC1G24	315S-4	110	1780	175.4	93.5	93.3	92.4	0.88	0.85	0.81	5.8	590.2	2.1	2.8	3.100	88	842
SC1G34	315M-4	132	1780	208.3	94.5	94.3	93.5	0.88	0.85	0.82	6.3	708.2	2.2	2.6	3.300	88	908
SC1G64	315L1-4	160	1788	249.6	94.5	94.4	93.6	0.89	0.86	0.82	5.7	854.6	2.0	2.6	3.790	90	992
SC1H04	315L2-4	200	1788	312.0	94.5	94.4	93.6	0.89	0.86	0.82	6.2	1068.2	2.3	2.7	4.500	90	1122
SC1H24	355M-4	220	1788	339.4	94.5	94.3	93.7	0.90	0.86	0.83	6.3	1175.1	2.1	2.5	5.050	90	1410
SC1H54	355M-4	250	1788	385.7	94.5	94.3	93.7	0.90	0.87	0.84	6.5	1335.3	2.1	2.8	5.670	90	1490

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

6 POLES - 1200 RPM 60Hz IE1

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)	Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
					100	75	50	100	75	50							
				440V													
SC1046	80M1-6	0.37	1100	1.12	62.0	61.1	57.5	0.70	0.62	0.52	3.2	3.2	1.8	2.0	0.002	46	17
SC1056	80M2-6	0.55	1100	1.56	66.0	65.5	63.2	0.70	0.63	0.52	3.3	4.8	2.0	2.2	0.003	50	20
SC1076	90S-6	0.75	1105	1.93	72.0	71.8	67.0	0.71	0.64	0.54	3.6	6.5	2.3	2.6	0.003	53	23
SC1116	90L-6	1.1	1110	2.67	75.0	74.6	70.2	0.72	0.65	0.52	3.5	9.5	2.1	2.5	0.004	55	26
SC1156	100L-6	1.5	1110	3.50	77.0	76.5	72.8	0.73	0.65	0.54	4.3	12.9	2.3	2.9	0.007	60	32
SC1226	112M-6	2.2	1120	5.04	78.5	78.1	74.2	0.73	0.68	0.57	4.4	18.8	2.2	2.5	0.014	65	41
SC1306	132S-6	3	1150	6.50	83.0	82.8	78.5	0.73	0.69	0.57	5.8	24.9	2.1	3.0	0.029	66	59
SC1406	132M1-6	4	1150	8.33	84.0	83.4	79.9	0.75	0.70	0.57	6.4	33.2	2.1	2.7	0.036	66	68
SC1556	132M2-6	5.5	1150	11.3	85.0	84.5	80.6	0.75	0.72	0.58	6.5	45.7	2.0	2.5	0.045	67	79
SC1756	160M-6	7.5	1160	15.1	86.0	85.6	82.5	0.76	0.72	0.63	5.4	61.7	2.0	2.3	0.088	71	96
SC1A16	160L-6	11	1160	21.3	89.0	88.8	84.1	0.76	0.73	0.65	5.5	90.6	2.0	2.3	0.115	72	124
SC1A56	180L-6	15	1165	28.2	89.5	89.2	86.2	0.78	0.74	0.66	6.2	123.0	2.1	2.5	0.207	72	161
SC1A86	200L1-6	18.5	1170	33.2	90.2	89.9	87.6	0.81	0.78	0.68	6.2	151.0	2.0	2.8	0.315	73	193
SC1B26	200L2-6	22	1170	39.2	91.0	90.5	88.2	0.81	0.78	0.70	5.9	179.6	2.0	2.5	0.360	73	211
SC1C06	225M-6	30	1175	52.4	91.7	91.3	88.5	0.82	0.80	0.71	6.4	243.8	2.0	2.5	0.545	73	296
SC1C76	250M-6	37	1175	63.0	91.7	91.6	89.7	0.84	0.81	0.72	6.7	300.7	2.3	2.6	0.834	76	347
SC1D56	280S-6	45	1175	75.8	91.7	91.6	90.4	0.85	0.82	0.75	6.7	365.7	2.1	3.0	1.390	76	444
SC1E56	280M1-6	55	1175	92.2	92.1	92.0	90.9	0.85	0.83	0.78	6.3	447.0	2.1	2.5	1.650	76	492
SC1FX6	280M2-6	75	1175	124.5	93.0	92.5	91.5	0.85	0.83	0.79	6.8	609.6	2.8	2.9	3.210	79	610
SC1F86	315S-6	75	1180	124.5	93.0	92.6	91.8	0.85	0.83	0.80	7.0	607.0	2.0	2.7	4.100	80	795
SC1F96	315M-6	90	1180	149.4	93.0	92.6	91.9	0.85	0.84	0.80	6.2	728.4	2.0	2.4	4.300	80	884
SC1G16	315L1-6	110	1188	180.5	94.1	93.5	92.5	0.85	0.84	0.80	6.7	884.3	2.4	2.8	5.450	82	946
SC1G36	315L2-6	132	1188	214.0	94.1	93.6	92.6	0.86	0.85	0.81	6.8	1061.1	2.3	2.9	6.120	82	1071
SC1G66	355M1-6	160	1188	256.5	94.1	93.6	92.7	0.87	0.86	0.82	6.5	1286.2	1.9	2.5	8.850	85	1426
SC1H26	355M2-6	200	1188	320.6	94.1	93.8	93.2	0.87	0.86	0.82	6.3	1607.7	2.0	2.5	9.550	85	1585
SC1H56	355L-6	250	1188	400.7	94.1	93.8	93.5	0.87	0.86	0.83	6.0	2009.7	1.9	2.4	10.40	87	1690

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

2 POLES - 3000 RPM 50Hz IE2

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC2072	801-2	0.75	2845	1.80	1.71	1.64	77.4	77.0	73.8	0.82	0.77	0.70	6.8	2.5	2.3	2.3	0.0012	62	18
SC2112	802-2	1.1	2850	2.53	2.40	2.32	79.6	79.5	75.1	0.83	0.78	0.71	7.3	3.7	2.3	2.3	0.0017	62	20
SC2152	90S-2	1.5	2855	3.34	3.17	3.06	81.3	81.2	77.3	0.84	0.80	0.73	7.6	5.0	2.3	2.3	0.0026	67	28
SC2222	90L-2	2.2	2860	4.73	4.49	4.33	83.2	83.1	79.9	0.85	0.81	0.74	7.8	7.3	2.3	2.3	0.0034	67	32
SC2302	100L-2	3	2870	6.19	5.88	5.67	84.6	84.5	81.0	0.87	0.82	0.76	8.1	10.0	2.3	2.3	0.0060	74	39
SC2402	112M-2	4	2885	8.05	7.65	7.37	85.8	85.6	82.2	0.88	0.83	0.78	8.3	13.2	2.3	2.3	0.0086	77	40
SC2552	132S1-2	5.5	2900	10.9	10.4	10.0	87.0	86.9	84.3	0.88	0.83	0.79	8.0	18.1	2.2	2.3	0.0160	78	62
SC2752	132S2-2	7.5	2900	14.5	13.8	13.3	88.1	88.5	85.2	0.89	0.83	0.80	7.8	24.7	2.2	2.3	0.0188	79	69
SC2A22	160M1-2	11	2935	21.0	20.0	19.2	89.4	88.8	86.8	0.89	0.84	0.80	7.9	35.8	2.2	2.3	0.0618	80	110
SC2A52	160M2-2	15	2935	28.4	26.9	26.0	90.3	90.0	87.5	0.89	0.85	0.81	8.0	48.8	2.2	2.3	0.0674	81	121
SC2A82	160L-2	18.5	2935	34.7	33.0	31.8	90.9	90.8	88.3	0.89	0.85	0.82	8.1	60.2	2.2	2.3	0.0808	81	140
SC2B22	180M-2	22	2940	41.1	39.1	37.7	91.3	90.9	88.9	0.89	0.85	0.82	8.2	71.5	2.2	2.3	0.1003	83	170
SC2C02	200L1-2	30	2955	55.7	52.9	51.0	92.0	91.7	89.6	0.89	0.85	0.82	7.5	97.0	2.2	2.3	0.1890	84	236
SC2C72	200L2-2	37	2955	68.3	64.9	62.5	92.5	92.3	90.7	0.89	0.85	0.82	7.5	119.6	2.2	2.3	0.1971	84	253
SC2D52	225M-2	45	2965	82.7	78.6	75.7	92.9	92.6	91.4	0.89	0.85	0.83	7.6	144.9	2.2	2.3	0.3619	86	337
SC2E52	250M-2	55	2970	100.7	95.7	92.2	93.2	92.8	91.5	0.89	0.85	0.83	7.6	176.9	2.2	2.3	0.4387	89	439
SC2F72	280S-2	75	2975	136.5	129.7	125.0	93.8	93.3	92.3	0.89	0.85	0.83	6.9	240.8	2.0	2.3	0.8084	91	554
SC2F92	280M-2	90	2975	163.3	155.1	149.5	94.1	93.7	92.5	0.89	0.86	0.83	7.0	288.9	2.0	2.3	0.9208	91	627
SC2G22	315S-2	110	2975	196.9	187.1	180.3	94.3	93.8	92.7	0.90	0.86	0.83	7.1	353.1	2.0	2.2	1.693	91	871
SC2G32	315M-2	132	2980	235.6	223.8	215.7	94.6	94.2	93.1	0.90	0.87	0.83	7.1	423.0	2.0	2.2	1.875	91	936
SC2G62	315L1-2	160	2980	281.8	267.7	258.0	94.8	94.3	93.2	0.91	0.87	0.83	7.1	512.8	2.0	2.2	2.214	92	983
SC2H02	315L2-2	200	2980	351.5	333.9	321.9	95.0	94.6	93.5	0.91	0.87	0.83	7.1	640.9	2.0	2.2	2.517	92	1093
SC2H52	355M-2	250	2985	439.4	417.4	402.3	95.0	94.7	93.6	0.91	0.87	0.84	7.1	799.8	2.0	2.2	3.827	100	1482
SC2J12	355L-2	315	2985	553.6	525.9	506.9	95.0	94.7	93.7	0.91	0.88	0.85	7.1	1007.8	2.0	2.2	4.552	100	1706

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque



PERFORMANCE DATA

PERFORMANCE DATA

4 POLES - 1500 RPM 50Hz IE2

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC2074	802-4	0.75	1415	1.88	1.79	1.72	79.6	79.5	76.3	0.76	0.69	0.56	6.5	5.1	2.3	2.3	0.0036	56	23
SC2114	90S-4	1.1	1420	2.67	2.53	2.44	81.4	81.4	78.6	0.77	0.70	0.60	6.6	7.4	2.3	2.3	0.0044	58	28
SC2154	90L-4	1.5	1420	3.53	3.35	3.23	82.8	82.8	79.6	0.78	0.71	0.61	6.9	10.1	2.3	2.3	0.0056	59	32
SC2224	100L1-4	2.2	1435	4.96	4.71	4.54	84.3	84.1	80.9	0.80	0.72	0.63	7.5	14.6	2.3	2.3	0.0109	61	41
SC2304	100L2-4	3	1435	6.58	6.25	6.03	85.5	85.4	82.0	0.81	0.72	0.63	7.6	20.0	2.3	2.3	0.0144	63	46
SC2404	112M-4	4	1435	8.66	8.23	7.93	86.6	86.1	83.2	0.81	0.73	0.64	7.7	26.6	2.3	2.3	0.0171	63	50
SC2554	132S-4	5.5	1445	11.6	11.0	10.6	87.7	87.3	84.5	0.82	0.74	0.64	7.5	36.3	2.0	2.3	0.0385	69	70
SC2754	132M-4	7.5	1450	15.5	14.7	14.2	88.7	88.2	85.0	0.83	0.77	0.65	7.4	49.4	2.2	2.3	0.0514	69	85
SC2A24	160M-4	11	1460	22.4	21.3	20.5	89.8	89.6	86.3	0.83	0.78	0.70	7.5	72.0	2.2	2.3	0.1076	70	129
SC2A54	160L-4	15	1465	29.9	28.4	27.4	90.6	90.4	87.0	0.84	0.79	0.73	7.5	97.8	2.2	2.3	0.1390	73	155
SC2A84	180M-4	18.5	1470	36.3	34.4	33.2	91.2	90.9	88.2	0.85	0.80	0.74	7.7	120.2	2.2	2.3	0.1913	75	191
SC2B24	180L-4	22	1475	42.9	40.8	39.3	91.6	91.7	88.6	0.85	0.82	0.74	7.8	142.4	2.2	2.3	0.2192	75	214
SC2C04	200L-4	30	1475	58.1	55.2	53.2	92.3	92.5	89.7	0.85	0.82	0.75	7.2	194.2	2.2	2.3	0.3187	76	248
SC2C74	225S-4	37	1480	71.3	67.8	65.3	92.7	92.6	90.2	0.85	0.83	0.75	7.3	238.8	2.2	2.3	0.6463	78	328
SC2D54	225M-4	45	1480	85.4	81.1	78.2	93.1	92.9	91.0	0.86	0.83	0.75	7.4	290.4	2.2	2.3	0.7547	78	385
SC2E54	250M-4	55	1480	103.9	98.7	95.2	93.5	93.4	91.6	0.86	0.83	0.76	7.4	354.9	2.2	2.3	0.9344	79	446
SC2F74	280S-4	75	1485	139.3	132.4	127.6	94.0	93.8	92.4	0.87	0.85	0.77	6.7	482.3	2.2	2.3	1.787	80	655
SC2F94	280M-4	90	1485	165.0	156.7	151.0	94.2	94.0	93.1	0.88	0.85	0.77	6.9	578.8	2.2	2.3	2.123	80	704
SC2G24	315S-4	110	1485	198.7	188.8	182.0	94.5	94.2	93.2	0.89	0.85	0.78	6.9	707.4	2.2	2.2	3.819	85	885
SC2G34	315M-4	132	1485	238.0	226.1	217.9	94.7	94.6	93.8	0.89	0.85	0.80	6.9	848.9	2.2	2.2	3.831	85	953
SC2G64	315L1-4	160	1490	284.6	270.4	260.6	94.9	94.9	94.2	0.90	0.87	0.81	6.9	1025.5	2.2	2.2	4.673	88	1076
SC2H04	315L2-4	200	1490	355.0	337.3	325.1	95.1	94.9	94.2	0.90	0.87	0.81	6.9	1281.9	2.2	2.2	5.346	88	1237
SC2H54	355M-4	250	1490	443.8	421.6	406.4	95.1	95.0	94.3	0.90	0.87	0.82	6.9	1602.3	2.2	2.2	8.219	95	1686
SC2J14	355L-4	315	1490	559.2	531.2	512.0	95.1	95.0	94.3	0.90	0.87	0.82	6.9	2019.0	2.2	2.2	10.515	95	1960

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

6 POLES - 1000 RPM 50Hz IE2

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC2076	90S-6	0.75	930	2.11	2.01	1.94	75.9	76.2	73.1	0.71	0.65	0.58	5.8	7.7	2.1	2.1	0.0057	54	27
SC2116	90L-6	1.1	935	2.97	2.82	2.72	78.1	77.8	75.1	0.72	0.65	0.58	5.9	11.2	2.1	2.1	0.0072	57	31
SC2156	100L-6	1.5	945	3.97	3.77	3.63	79.8	80.1	76.0	0.72	0.68	0.59	6	15.2	2.1	2.1	0.0144	61	39
SC2226	112M-6	2.2	945	5.68	5.39	5.20	81.8	82.0	78.3	0.72	0.68	0.60	6	22.2	2.0	2.1	0.0229	65	50
SC2306	132S-6	3	955	7.60	7.22	6.96	83.3	83.4	79.5	0.72	0.69	0.60	6.2	30.0	2.0	2.1	0.0390	67	63
SC2406	132M1-6	4	955	9.71	9.22	8.89	84.6	84.5	81.2	0.74	0.71	0.62	6.8	40.0	2.0	2.1	0.0499	68	69
SC2556	132M2-6	5.5	960	13.0	12.3	11.9	86.0	86.1	82.6	0.75	0.71	0.63	7.1	54.7	2.0	2.1	0.0714	69	84
SC2756	160M-6	7.5	965	16.8	15.9	15.3	87.2	87.4	84.7	0.78	0.71	0.64	6.7	74.2	2.1	2.1	0.1248	71	117
SC2A16	160L-6	11	965	23.9	22.7	21.8	88.7	88.8	86.0	0.79	0.72	0.65	6.9	108.9	2.1	2.1	0.1800	72	151
SC2A56	180L-6	15	970	31.8	30.2	29.1	89.7	90.0	87.5	0.80	0.74	0.67	7.2	147.7	2.0	2.1	0.3415	72	219
SC2A86	200L1-6	18.5	975	38.9	36.9	35.6	90.4	90.7	88.5	0.80	0.75	0.69	7.2	181.2	2.1	2.1	0.4894	73	235
SC2B26	200L2-6	22	975	45.4	43.1	41.6	90.9	91.0	89.5	0.81	0.75	0.70	7.3	215.5	2.1	2.1	0.5520	73	265
SC2C06	225M-6	30	980	60.6	57.6	55.5	91.7	91.8	90.7	0.82	0.75	0.71	7.1	292.3	2.0	2.1	0.7063	74	328
SC2C76	250M-6	37	980	73.5	69.8	67.3	92.2	92.2	91.2	0.83	0.76	0.73	7.1	360.6	2.1	2.1	1.119	75	408
SC2D56	280S-6	45	980	87.8	83.4	80.4	92.7	92.8	91.8	0.84	0.80	0.74	7.2	438.5	2.1	2.0	2.165	78	524
SC2E56	280M-6	55	985	106.9	101.5	97.8	93.1	93.2	92.6	0.84	0.80	0.75	7.2	533.2	2.1	2.0	2.669	78	601
SC2F86	315S-6	75	990	144.8	137.5	132.6	93.7	93.6	92.8	0.84	0.81	0.75	6.7	723.5	2.0	2.0	4.110	82	852
SC2F96	315M-6	90	990	173.2	164.5	158.6	94.0	93.9	93.2	0.84	0.82	0.76	6.7	868.2	2.0	2.0	4.875	82	955
SC2G26	315L1-6	110	990	211.0	200.4	193.2	94.3	94.2	93.5	0.84	0.82	0.76	6.7	1061.1	2.0	2.0	5.913	83	1067
SC2G36	315L2-6	132	990	249.4	236.9	228.4	94.6	94.4	93.6	0.85	0.82	0.77	6.7	1273.3	2.0	2.0	6.950	83	1214
SC2G66	355M1-6	160	990	298.2	283.3	273.0	94.8	94.7	94.2	0.86	0.82	0.78	6.7	1543.4	2.0	2.0	9.999	85	1515
SC2H06	355M2-6	200	990	371.9	353.3	340.6	95.0	94.9	94.2	0.86	0.83	0.80	6.7	1929.3	2.0	2.0	11.19	85	1709
SC2H56	355L-6	250	990	464.9	441.7	425.7	95.0	94.9	94.2	0.86	0.83	0.80	6.7	2411.6	2.0	2.0	14.06	85	1877

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque



PERFORMANCE DATA

8 POLES - 750 RPM 50Hz IE2

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC2078	100L1-8	0.75	685	2.53	2.40	2.32	66.2	65.9	61.6	0.68	0.55	0.46	4.6	10.5	2.1	2.4	0.0110	55	36
SC2118	100L2-8	1.1	685	3.42	3.25	3.13	70.8	70.5	65.7	0.69	0.58	0.47	4.6	15.3	2.2	2.4	0.0127	56	42
SC2158	112M1-8	1.5	690	4.33	4.12	3.97	74.1	74.2	69.8	0.71	0.61	0.51	4.7	20.8	2.2	2.7	0.0202	60	55
SC2228	132S-8	2.2	695	5.98	5.68	5.48	77.6	77.6	72.4	0.72	0.61	0.52	4.7	30.2	2.1	2.5	0.0592	63	64
SC2308	132M-8	3	695	7.91	7.52	7.25	80	79.8	74.8	0.72	0.63	0.54	4.6	41.2	2.1	2.6	0.0740	64	75
SC2408	160M1-8	4	705	10.2	9.7	9.3	81.9	81.8	76.3	0.73	0.65	0.54	4.5	54.2	2.2	2.7	0.0822	65	84
SC2558	160M2-8	5.5	705	13.5	12.8	12.3	83.8	83.6	78.6	0.74	0.65	0.55	5.5	74.5	2.3	2.8	0.116	68	102
SC2758	160L-8	7.5	710	17.6	16.7	16.1	85.3	85.1	80.6	0.76	0.67	0.55	6.2	100.9	2.2	2.6	0.132	68	128
SC2A28	180L-8	11	720	25.3	24.0	23.2	86.9	87	83.3	0.76	0.67	0.56	5.5	145.9	2.2	2.5	0.262	70	170
SC2A58	200L-8	15	720	33.6	32.0	30.8	88	88.2	84.2	0.77	0.72	0.58	5.8	199.0	2.1	2.8	0.398	70	222
SC2A88	225S-8	18.5	720	41.2	39.1	37.7	88.6	88.4	84.7	0.77	0.72	0.61	6.2	245.4	2.1	2.5	0.578	70	276
SC2B28	225M-8	22	725	48.1	45.7	44.0	89.1	89	85.3	0.78	0.73	0.62	6.2	289.8	2.2	2.5	0.623	73	325
SC2C08	250M-8	30	725	64.3	61.0	58.8	89.8	90	86.9	0.79	0.74	0.63	5.8	395.2	2.3	2.4	1.056	74	394
SC2C78	280S-8	37	730	77.8	73.9	71.3	90.3	90.1	87.2	0.80	0.75	0.65	6.4	484.0	2.1	2.2	2.015	75	520
SC2D58	280M1-8	45	730	94.2	89.5	86.3	90.7	90.6	87.6	0.80	0.75	0.65	6.4	588.7	1.9	2.5	2.568	75	580
SC2E58	315S-8	55	735	112.0	106.4	102.5	91	90.8	88.2	0.82	0.76	0.68	6.8	714.6	1.9	2.2	5.362	78	802
SC2F88	315M-8	75	740	151.7	144.1	138.9	91.6	91.2	89	0.82	0.78	0.70	6.9	967.9	2.0	2.4	5.960	78	992
SC2F98	315L1-8	90	740	179.3	170.3	164.2	91.9	91.5	89.6	0.83	0.78	0.70	6.7	1161.5	1.8	2.2	6.775	80	1066
SC2G28	315L2-8	110	745	218.2	207.3	199.8	92.3	92.2	90.1	0.83	0.79	0.71	6.4	1410.1	1.8	2.5	7.965	81	1223
SC2G38	355M1-8	132	745	260.9	247.9	238.9	92.6	92.3	90.7	0.83	0.80	0.72	6.2	1692.1	1.7	2.3	12.56	82	1622
SC2G68	355M2-8	160	745	311.2	295.6	284.9	93	92.7	91.5	0.84	0.82	0.74	6.2	2051.0	1.6	2.3	14.32	82	1680
SC2H08	355L-8	200	745	386.9	367.6	354.3	93.5	93.2	92.2	0.84	0.82	0.74	6.3	2563.8	1.6	2.4	15.93	85	1903

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

PERFORMANCE DATA

2 POLES - 3600 RPM 60Hz IE2

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)	Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
					100	75	50	100	75	50							
SC2072	801-2	0.75	3415	1.59	75.5	75.2	72.0	0.82	0.77	0.70	6.8	2.1	2.3	2.3	0.0012	62	18
SC2112	802-2	1.1	3420	2.11	82.5	82.3	78.2	0.83	0.78	0.71	7.3	3.1	2.3	2.3	0.0017	62	20
SC2152	90S-2	1.5	3425	2.79	84.0	83.7	80.1	0.84	0.80	0.73	7.6	4.2	2.3	2.3	0.0026	67	28
SC2222	90L-2	2.2	3430	3.97	85.5	85.2	80.9	0.85	0.81	0.74	7.8	6.1	2.3	2.3	0.0034	67	32
SC2302	100L-2	3	3445	5.21	86.8	86.5	81.5	0.87	0.82	0.76	8.1	8.3	2.3	2.3	0.0060	74	39
SC2402	112M-2	4	3460	6.78	88.0	87.5	82.3	0.88	0.83	0.78	8.3	11.0	2.3	2.3	0.0086	77	40
SC2552	132S1-2	5.5	3475	9.27	88.5	88.4	83.9	0.88	0.83	0.79	8.0	15.1	2.2	2.3	0.0160	78	62
SC2752	132S2-2	7.5	3480	12.4	89.5	89.2	84.5	0.89	0.83	0.80	7.8	20.6	2.2	2.3	0.0188	79	69
SC2A12	160M1-2	11	3520	18.0	90.2	90.0	86.5	0.89	0.84	0.80	7.9	29.8	2.2	2.3	0.0618	80	110
SC2A52	160M2-2	15	3520	24.5	90.2	90.1	86.8	0.89	0.85	0.81	8.0	40.7	2.2	2.3	0.0674	81	121
SC2A82	160L-2	18.5	3520	30.0	91.0	90.7	88.3	0.89	0.85	0.82	8.1	50.2	2.2	2.3	0.0808	81	140
SC2B22	180M-2	22	3525	35.6	91.0	90.9	88.6	0.89	0.85	0.82	8.2	59.6	2.2	2.3	0.1003	83	170
SC2C02	200L1-2	30	3545	48.2	91.7	91.5	89.2	0.89	0.85	0.82	7.5	80.8	2.2	2.3	0.1890	84	236
SC2C72	200L2-2	37	3545	59.0	92.4	92.3	90.7	0.89	0.85	0.82	7.5	99.7	2.2	2.3	0.1971	84	253
SC2D52	225M-2	45	3555	71.3	93.0	92.6	91.4	0.89	0.85	0.83	7.6	120.9	2.2	2.3	0.3619	86	337
SC2E52	250M-2	55	3565	87.2	93.0	92.8	91.5	0.89	0.85	0.83	7.6	147.3	2.2	2.3	0.4387	89	439
SC2F82	280S-2	75	3570	118.1	93.6	93.3	92.3	0.89	0.85	0.83	6.9	200.6	2.0	2.3	0.8084	91	554
SC2F92	280M-2	90	3570	140.4	94.5	94.1	92.7	0.89	0.86	0.83	7.0	240.8	2.0	2.3	0.9208	91	627
SC2G12	315S-2	110	3570	169.7	94.5	94.2	92.7	0.90	0.86	0.83	7.1	294.3	2.0	2.2	1.693	91	871
SC2G32	315M-2	132	3575	203.0	94.8	94.5	93.2	0.90	0.87	0.83	7.1	352.6	2.0	2.2	1.875	91	936
SC2G62	315L1-2	160	3575	242.9	95.0	94.6	93.5	0.91	0.87	0.83	7.1	427.4	2.0	2.2	2.214	92	983
SC2H02	315L2-2	200	3575	302.3	95.4	95.0	93.7	0.91	0.87	0.83	7.1	534.3	2.0	2.2	2.517	92	1093
SC2H52	355M-2	250	3580	377.9	95.4	95.1	93.7	0.91	0.87	0.84	7.1	666.9	2.0	2.2	3.827	100	1482
SC2J12	355L-2	315	3580	476.1	95.4	95.2	93.7	0.91	0.88	0.85	7.1	840.3	2.0	2.2	4.552	100	1706

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque



PERFORMANCE DATA

4 POLES - 1800 RPM 60Hz IE2

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)	Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				440V	100	75	50	100	75	50							
SC2074	802-4	0.75	1700	1.66	78.0	77.9	75.1	0.76	0.69	0.56	6.5	4.2	2.3	2.3	0.0036	56	23
SC2114	90S-4	1.1	1705	2.23	84.0	83.8	80.1	0.77	0.70	0.60	6.6	6.2	2.3	2.3	0.0044	58	28
SC2154	90L-4	1.5	1705	3.00	84.0	83.8	80.3	0.78	0.71	0.61	6.9	8.4	2.3	2.3	0.0056	59	32
SC2224	100L1-4	2.2	1720	4.12	87.5	87.2	83.5	0.80	0.72	0.63	7.5	12.2	2.3	2.3	0.0109	61	41
SC2304	100L2-4	3	1720	5.55	87.5	87.3	83.6	0.81	0.72	0.63	7.6	16.7	2.3	2.3	0.0144	63	46
SC2404	112M-4	4	1720	7.39	87.7	87.5	83.9	0.81	0.73	0.64	7.7	22.2	2.3	2.3	0.0171	63	50
SC2554	132S-4	5.5	1735	9.83	89.5	89.2	85.0	0.82	0.74	0.64	7.5	30.3	2.0	2.3	0.0385	69	70
SC2754	132M-4	7.5	1740	13.2	89.5	89.3	85.1	0.83	0.77	0.65	7.4	41.2	2.2	2.3	0.0514	69	85
SC2A24	160M-4	11	1750	19.1	91.0	90.4	86.3	0.83	0.78	0.70	7.5	60.0	2.2	2.3	0.1076	70	129
SC2A54	160L-4	15	1755	25.7	91.0	90.5	87.0	0.84	0.79	0.73	7.5	81.6	2.2	2.3	0.1390	73	155
SC2A84	180M-4	18.5	1765	30.9	92.4	92.1	88.9	0.85	0.80	0.74	7.7	100.1	2.2	2.3	0.1913	75	191
SC2B24	180L-4	22	1770	36.8	92.4	92.1	89.0	0.85	0.82	0.74	7.8	118.7	2.2	2.3	0.2192	75	214
SC2C04	200L-4	30	1770	49.8	93.0	92.5	89.7	0.85	0.82	0.75	7.2	161.9	2.2	2.3	0.3187	76	248
SC2C74	225S-4	37	1775	61.4	93.0	92.6	90.3	0.85	0.83	0.75	7.3	199.1	2.2	2.3	0.6463	78	328
SC2D54	225M-4	45	1775	73.4	93.6	93.2	91.2	0.86	0.83	0.75	7.4	242.1	2.2	2.3	0.7547	78	385
SC2E54	250M-4	55	1775	89.2	94.1	93.8	91.6	0.86	0.83	0.76	7.4	295.9	2.2	2.3	0.9344	79	446
SC2F84	280S-4	75	1780	119.7	94.5	94.0	92.4	0.87	0.85	0.77	6.7	402.4	2.2	2.3	1.787	80	655
SC2F94	280M-4	90	1780	142.0	94.5	94.1	93.1	0.88	0.85	0.77	6.9	482.9	2.2	2.3	2.123	80	704
SC2G14	315S-4	110	1780	170.7	95.0	94.6	93.5	0.89	0.85	0.78	6.9	590.2	2.2	2.2	3.819	85	885
SC2G34	315M-4	132	1780	204.9	95.0	94.7	93.8	0.89	0.85	0.80	6.9	708.2	2.2	2.2	3.831	85	953
SC2G64	315L1-4	160	1785	245.6	95.0	94.9	94.2	0.90	0.87	0.81	6.9	856.0	2.2	2.2	4.673	88	1076
SC2H04	315L2-4	200	1785	305.7	95.4	95.1	94.2	0.90	0.87	0.81	6.9	1070.0	2.2	2.2	5.346	88	1237
SC2H54	355M-4	250	1788	382.1	95.4	95.2	94.3	0.90	0.87	0.82	6.9	1335.3	2.2	2.2	8.219	95	1686
SC2J14	355L-4	315	1788	481.4	95.4	95.2	94.3	0.90	0.87	0.82	6.9	1682.5	2.2	2.2	10.515	95	1960

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

PERFORMANCE DATA

2 POLES - 3000 RPM 50Hz IE3

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC3072	801-2	0.75	2855	1.72	1.64	1.58	80.7	80.5	76.8	0.82	0.77	0.72	6.8	2.5	2.2	2.4	0.0012	62	19
SC3112	802-2	1.1	2860	2.43	2.31	2.23	82.7	82.8	79.3	0.83	0.77	0.72	7.5	3.7	2.2	2.3	0.0018	62	21
SC3152	90S-2	1.5	2865	3.22	3.06	2.95	84.2	84.2	81.2	0.84	0.80	0.72	7.6	5.0	2.1	2.3	0.0027	67	30
SC3223	90L-2	2.2	2870	4.58	4.35	4.19	85.9	85.7	82.6	0.85	0.81	0.73	7.8	7.3	2.2	2.4	0.0036	67	35
SC3302	100L-2	3	2880	6.02	5.71	5.51	87.1	87.0	83.5	0.87	0.82	0.75	8.1	9.9	2.2	2.3	0.0064	74	42
SC3402	112M-2	4	2895	7.84	7.45	7.18	88.1	87.9	84.7	0.88	0.82	0.77	7.8	13.2	2.3	2.5	0.0089	77	44
SC3552	132S1-2	5.5	2910	10.6	10.1	9.7	89.2	89.0	86.3	0.88	0.83	0.78	8.0	18.0	2.2	2.4	0.0162	78	68
SC3752	132S2-2	7.5	2910	14.4	13.7	13.2	90.1	89.8	87.9	0.88	0.83	0.79	7.8	24.6	2.2	2.3	0.0195	79	75
SC3A22	160M1-2	11	2940	20.6	19.6	18.9	91.2	90.7	88.4	0.89	0.83	0.79	7.9	35.7	2.2	2.3	0.0632	80	115
SC3A52	160M2-2	15	2940	27.9	26.5	25.5	91.9	91.8	88.5	0.89	0.84	0.80	8.0	48.7	2.2	2.5	0.0696	81	125
SC3A82	160L-2	18.5	2940	34.2	32.5	31.3	92.4	92.2	89.8	0.89	0.84	0.81	8.1	60.1	2.2	2.3	0.0865	81	147
SC3B22	180M-2	22	2945	40.5	38.5	37.1	92.7	92.4	90.2	0.89	0.84	0.81	8.2	71.3	2.2	2.3	0.1072	83	178
SC3C02	200L1-2	30	2960	54.9	52.1	50.3	93.3	93.1	90.4	0.89	0.85	0.81	7.5	96.8	2.2	2.4	0.1956	84	248
SC3C72	200L2-2	37	2960	69.7	64.0	61.7	93.7	93.6	91.2	0.89	0.85	0.82	7.5	119.4	2.2	2.3	0.2012	84	258
SC3D52	225M-2	45	2970	80.8	76.8	74.0	94.0	93.8	91.8	0.90	0.86	0.82	7.6	144.7	2.2	2.4	0.3926	86	353
SC3E52	250M-2	55	2975	98.5	93.5	90.2	94.3	94.2	92.5	0.90	0.86	0.82	7.6	176.6	2.2	2.3	0.4879	89	460
SC3F82	280S-2	75	2980	133.7	127.0	122.4	94.7	94.8	92.9	0.90	0.87	0.82	7.1	240.4	2.0	2.3	0.8787	91	580
SC3F92	280M-2	90	2980	159.9	151.9	146.4	95.0	95.1	93.2	0.90	0.87	0.82	7.0	288.4	2.0	2.3	1.088	91	658
SC3G22	315S-2	110	2980	195.1	185.3	178.6	95.2	95.2	93.5	0.90	0.87	0.82	7.1	352.5	2.0	2.2	1.898	91	925
SC3G32	315M-2	132	2980	233.6	221.9	213.9	95.4	95.2	93.9	0.90	0.87	0.82	7.1	423.0	2.0	2.2	1.998	91	982
SC3G62	315L1-2	160	2980	279.4	265.5	255.9	95.6	95.5	94.2	0.91	0.87	0.83	7.1	512.8	2.0	2.3	2.286	92	1030
SC3H02	315L2-2	200	2980	348.6	331.1	319.2	95.8	95.6	94.5	0.91	0.88	0.83	7.1	640.9	2.0	2.2	2.988	92	1145
SC3H52	355M-2	250	2985	435.7	413.9	399.0	95.8	95.7	94.7	0.91	0.88	0.83	7.1	799.8	2.0	2.2	3.988	100	1555
SC3J12	355L-2	315	2985	549.0	521.5	502.7	95.8	95.7	94.7	0.91	0.88	0.84	7.1	1007.8	2.0	2.2	4.781	100	1790

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

4 POLES - 1500 RPM 50Hz IE3

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC3074	802-4	0.75	1420	1.84	1.75	1.69	82.5	82.2	78.6	0.75	0.71	0.58	6.5	5.0	2.1	2.3	0.0036	56	25
SC3114	90S-4	1.1	1425	2.61	2.48	2.39	84.1	83.9	80.9	0.76	0.71	0.60	6.6	7.4	2.1	2.3	0.0045	58	30
SC3154	90L-4	1.5	1425	3.47	3.30	3.18	85.3	85.1	81.8	0.77	0.72	0.64	6.9	10.1	2.2	2.3	0.0057	59	35
SC3224	100L1-4	2.2	1440	4.76	4.52	4.36	86.7	86.5	83.5	0.81	0.75	0.66	7.5	14.6	2.2	2.3	0.0110	61	45
SC3304	100L2-4	3	1440	6.34	6.02	5.80	87.7	87.8	84.4	0.82	0.75	0.67	7.6	19.9	2.2	2.3	0.0146	63	51
SC3404	112M-4	4	1440	8.37	7.95	7.66	88.6	88.4	85.8	0.82	0.75	0.68	7.7	26.5	2.1	2.3	0.0175	63	55
SC3554	132S-4	5.5	1450	11.2	10.7	10.3	89.6	89.3	86.9	0.83	0.76	0.68	7.5	36.2	2.0	2.3	0.0397	69	77
SC3754	132M-4	7.5	1455	15.0	14.3	13.7	90.4	90.1	88.0	0.84	0.78	0.69	7.4	49.2	2.2	2.3	0.0556	69	93
SC3A24	160M-4	11	1465	21.5	20.4	19.7	91.4	91.5	88.5	0.85	0.79	0.70	7.5	71.7	2.2	2.3	0.1104	70	135
SC3A54	160L-4	15	1465	28.8	27.3	26.3	92.1	92.3	89.3	0.86	0.79	0.72	7.5	97.8	2.0	2.3	0.5780	73	162
SC3A84	180M-4	18.5	1470	35.3	33.5	32.3	92.6	92.5	90.5	0.86	0.80	0.73	7.7	120.2	2.1	2.3	0.2088	75	196
SC3B24	180L-4	22	1475	41.8	39.7	38.3	93.0	92.7	91.0	0.86	0.81	0.74	7.8	142.4	2.2	2.3	0.2584	75	224
SC3C04	200L-4	30	1475	56.6	53.8	51.9	93.6	93.5	91.5	0.86	0.82	0.74	7.2	194.2	2.1	2.3	0.3685	76	260
SC3C74	225S-4	37	1480	69.6	66.1	63.7	93.9	93.6	91.8	0.86	0.83	0.75	7.3	238.8	2.2	2.4	0.6669	78	345
SC3D54	225M-4	45	1480	84.4	80.2	77.3	94.2	94.0	92.0	0.86	0.83	0.75	7.4	290.4	2.2	2.4	0.7896	78	403
SC3E54	250M-4	55	1480	102.7	97.6	94.1	94.6	94.7	92.8	0.86	0.83	0.76	7.4	354.9	2.2	2.4	1.005	79	468
SC3F84	280S-4	75	1485	136.3	129.5	124.8	95.0	94.8	93.0	0.88	0.84	0.76	6.7	482.3	2.0	2.3	1.898	80	685
SC3F94	280M-4	90	1485	163.2	155.1	149.5	95.2	95.0	93.4	0.88	0.84	0.77	6.9	578.8	2.1	2.3	2.565	80	739
SC3G24	315S-4	110	1485	196.8	187.0	180.2	95.4	95.1	93.8	0.89	0.84	0.78	6.9	707.4	2.1	2.2	3.863	85	930
SC3G34	315M-4	132	1485	235.7	223.9	215.8	95.6	95.4	94.0	0.89	0.85	0.79	6.9	848.9	2.1	2.2	4.125	85	1000
SC3G64	315L1-4	160	1490	285.1	270.9	261.1	95.8	95.9	94.2	0.89	0.85	0.80	6.9	1025.5	2.1	2.2	4.932	88	1130
SC3H04	315L2-4	200	1490	351.7	334.1	322.0	96.0	95.9	94.5	0.90	0.86	0.81	6.9	1281.9	2.1	2.2	5.855	88	1298
SC3H54	355M-4	250	1490	439.6	417.7	402.6	96.0	96.0	94.7	0.90	0.86	0.81	6.9	1602.3	2.1	2.3	8.456	95	1770
SC3J14	355L-4	315	1490	553.9	526.2	507.2	96.0	96.1	94.7	0.90	0.86	0.81	6.9	2019.0	2.2	2.3	10.745	95	2080

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

6 POLES - 1000 RPM 50Hz IE3

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC3076	90S-6	0.75	935	2.03	1.93	1.86	78.9	78.8	75.6	0.71	0.65	0.59	5.8	7.7	2.1	2.2	0.0058	54	30
SC3116	90L-6	1.1	940	2.83	2.69	2.59	81.0	81.1	77.2	0.73	0.66	0.60	5.9	11.2	2.1	2.2	0.0074	57	35
SC3156	100L-6	1.5	950	3.78	3.60	3.47	82.5	82.3	78.9	0.73	0.67	0.60	6.0	15.1	2.1	2.2	0.0156	61	43
SC3226	112M-6	2.2	950	5.36	5.09	4.91	84.3	84.2	81.3	0.74	0.67	0.61	6.0	22.1	2.0	2.2	0.0249	65	55
SC3306	132S-6	3	960	7.20	6.84	6.59	85.6	85.2	82.5	0.74	0.68	0.61	6.2	29.8	2.0	2.2	0.0450	67	69
SC3406	132M1-6	4	960	9.46	8.99	8.66	86.8	86.7	83.2	0.74	0.70	0.62	6.8	39.8	2.0	2.2	0.0522	68	76
SC3556	132M2-6	5.5	965	12.7	12.0	11.6	88.0	87.9	84.6	0.75	0.71	0.62	7.1	54.4	2.0	2.3	0.0923	69	92
SC3756	160M-6	7.5	970	16.2	15.4	14.8	89.1	89.2	85.7	0.79	0.73	0.63	6.7	73.8	2.1	2.3	0.1435	71	123
SC3A16	160L-6	11	970	23.1	22.0	21.2	90.3	90.2	87.2	0.80	0.73	0.64	6.9	108.3	2.1	2.3	0.2050	72	159
SC3A56	180L-6	15	975	30.9	29.3	28.2	91.2	91.1	88.5	0.81	0.74	0.66	7.1	146.9	2.0	2.2	0.3561	72	230
SC3A86	200L1-6	18.5	980	37.8	36.0	34.7	91.7	91.7	89.6	0.81	0.74	0.68	7.2	180.3	2.1	2.3	0.5020	73	246
SC3B26	200L2-6	22	980	44.8	42.5	41.0	92.2	92.3	90.7	0.81	0.75	0.69	7.2	214.4	2.1	2.3	0.5740	73	278
SC3C06	225M-6	30	985	59.1	56.2	54.1	92.9	92.8	91.3	0.83	0.75	0.70	7.1	290.9	2.0	2.2	0.7256	74	344
SC3C76	250M-6	37	985	71.7	68.1	65.7	93.3	93.2	91.8	0.84	0.76	0.71	7.1	358.7	2.1	2.3	1.135	75	428
SC3D56	280S-6	45	985	85.8	81.6	78.6	93.7	93.6	92.1	0.85	0.79	0.72	7.1	436.3	2.1	2.2	2.204	78	550
SC3E56	280M-6	55	985	103.3	98.1	94.6	94.1	94.2	92.6	0.86	0.79	0.73	7.1	533.2	2.1	2.2	2.689	78	630
SC3F86	315S-6	75	990	143.4	136.2	131.3	94.6	94.5	93.2	0.84	0.80	0.74	6.7	723.5	2.0	2.3	4.145	82	895
SC3F96	315M-6	90	990	169.5	161.0	155.2	94.9	95.0	93.7	0.85	0.80	0.75	6.7	868.2	2.0	2.3	4.985	82	1002
SC3G26	315L1-6	110	990	206.8	196.4	189.3	95.1	95.0	94.0	0.85	0.81	0.75	6.7	1061.1	2.0	2.3	6.136	83	1120
SC3G36	315L2-6	132	990	244.5	232.2	223.8	95.4	95.3	94.2	0.86	0.81	0.76	6.7	1273.3	2.0	2.3	7.082	83	1275
SC3G66	355M1-6	160	990	295.7	280.9	270.7	95.6	95.5	94.7	0.86	0.81	0.76	6.7	1543.4	2.0	2.3	10.544	85	1590
SC3H06	355M2-6	200	990	364.6	346.4	333.8	95.8	95.7	94.8	0.87	0.81	0.78	6.7	1929.3	2.0	2.3	11.856	85	1795
SC3H56	355L-6	250	990	455.7	433.0	417.3	95.8	95.8	95.0	0.87	0.81	0.78	6.7	2411.6	2.0	2.3	14.965	85	1970

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque



PERFORMANCE DATA

PERFORMANCE DATA

8 POLES - 750 RPM 50Hz IE3

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC3078	100L1-8	0.75	695	2.27	2.15	2.08	75.0	74.6	69.8	0.67	0.55	0.45	4.6	10.3	2.1	2.4	0.0112	55	40
SC3118	100L2-8	1.1	695	3.12	2.96	2.85	77.7	77.5	72.5	0.69	0.57	0.46	4.6	15.1	2.2	2.4	0.0130	56	46
SC3158	112M1-8	1.5	700	4.09	3.88	3.74	79.7	79.5	75.2	0.70	0.60	0.50	4.7	20.5	2.2	2.7	0.0210	60	60
SC3228	132S-8	2.2	705	5.75	5.46	5.26	81.9	81.8	77.6	0.71	0.60	0.52	4.7	29.8	2.1	2.5	0.0612	63	70
SC3308	132M-8	3	705	7.48	7.10	6.85	83.5	83.3	79.5	0.73	0.62	0.54	4.6	40.6	2.1	2.6	0.0811	64	80
SC3408	160M1-8	4	715	9.8	9.3	9.0	84.8	84.6	80.9	0.73	0.63	0.54	4.5	53.4	2.2	2.7	0.0920	65	89
SC3558	160M2-8	5.5	715	13.1	12.4	12.0	86.2	86.1	82.5	0.74	0.64	0.54	5.5	73.5	2.3	2.7	0.1230	68	107
SC3758	160L-8	7.5	725	17.4	16.5	15.9	87.3	87.2	83.8	0.75	0.66	0.55	6.2	98.8	2.2	2.6	0.1380	68	135
SC3A18	180L-8	11	730	25.2	23.9	23.0	88.6	88.6	84.9	0.75	0.66	0.56	5.5	143.9	2.2	2.5	0.2780	70	179
SC3A58	200L-8	15	730	33.5	31.8	30.6	89.6	89.5	86.0	0.76	0.71	0.57	5.8	196.2	2.1	2.6	0.4032	70	233
SC3A88	225S-8	18.5	730	41.0	39.0	37.6	90.1	90.0	86.7	0.76	0.71	0.61	6.2	242.0	2.1	2.5	0.5980	70	290
SC3B28	225M-8	22	735	47.3	44.9	43.3	90.6	90.5	87.8	0.78	0.72	0.62	6.2	285.9	2.2	2.5	0.6680	73	340
SC3C08	250M-8	30	735	63.2	60.0	57.9	91.3	91.3	88.3	0.79	0.73	0.63	6.2	389.8	2.3	2.4	1.156	74	413
SC3C78	280S-8	37	740	77.5	73.6	71.0	91.8	91.6	88.9	0.79	0.74	0.64	6.4	477.5	2.1	2.2	2.206	75	546
SC3D58	280M1-8	45	740	93.9	89.2	86.0	92.2	92.0	89.5	0.79	0.74	0.65	6.4	580.7	1.9	2.5	2.870	75	610
SC3E58	315S-8	55	740	111.5	106.0	102.1	92.5	92.6	90.6	0.81	0.75	0.67	6.7	709.8	1.9	2.2	5.867	78	842
SC3F88	315M-8	75	740	151.1	143.6	138.4	93.1	93.0	91.5	0.81	0.77	0.69	6.7	967.9	2.0	2.4	6.233	78	1042
SC3F98	315L1-8	90	745	178.5	169.6	163.5	93.4	93.3	92.0	0.82	0.77	0.69	6.7	1153.7	1.8	2.2	6.988	80	1130
SC3G28	315L2-8	110	745	217.5	206.6	199.2	93.7	93.5	92.5	0.82	0.78	0.70	6.4	1410.1	1.8	2.5	8.152	81	1285
SC3G38	355M1-8	132	745	260.2	247.2	238.3	94.0	94.1	92.8	0.82	0.79	0.72	6.2	1692.1	1.7	2.3	13.14	82	1703
SC3G68	355M2-8	160	745	314.4	298.7	287.9	94.3	94.1	93.0	0.82	0.81	0.73	6.2	2051.0	1.6	2.3	14.90	82	1765
SC3H08	355L-8	200	745	387.0	367.7	354.4	94.6	94.5	93.5	0.83	0.81	0.74	6.3	2563.8	1.6	2.4	16.21	85	1998

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

2 POLES - 3600 RPM 60Hz IE3

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)	Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
					100	75	50	100	75	50							
SC3072	801-2	0.75	3425	1.56	77.0	76.6	72.8	0.82	0.77	0.72	6.8	2.1	2.2	2.4	0.0012	62	19
SC3112	802-2	1.1	3430	2.07	84.0	83.7	79.3	0.83	0.77	0.72	7.5	3.1	2.2	2.3	0.0018	62	21
SC3152	90S-2	1.5	3435	2.74	85.5	85.1	81.2	0.84	0.80	0.72	7.6	4.2	2.1	2.3	0.0027	67	30
SC3222	90L-2	2.2	3445	3.93	86.5	86.2	82.9	0.85	0.81	0.73	7.8	6.1	2.2	2.4	0.0036	67	35
SC3302	100L-2	3	3455	5.18	87.3	87.0	83.5	0.87	0.82	0.75	8.1	8.3	2.2	2.3	0.0064	74	42
SC3402	112M-2	4	3475	6.72	88.8	88.5	84.7	0.88	0.82	0.77	7.8	11.0	2.3	2.5	0.0089	77	44
SC3552	132S1-2	5.5	3490	9.16	89.5	89.3	86.3	0.88	0.83	0.78	8.0	15.1	2.2	2.4	0.0162	78	68
SC3752	132S2-2	7.5	3490	12.4	90.2	89.8	87.9	0.88	0.83	0.79	7.8	20.5	2.2	2.3	0.0195	79	75
SC3A12	160M1-2	11	3530	17.8	91.0	90.7	88.4	0.89	0.83	0.79	7.9	29.8	2.2	2.3	0.0632	80	115
SC3A52	160M2-2	15	3530	24.3	91.0	90.8	88.5	0.89	0.84	0.80	8.0	40.6	2.2	2.5	0.0696	81	125
SC3A82	160L-2	18.5	3530	29.7	91.7	91.5	89.2	0.89	0.84	0.81	8.1	50.0	2.2	2.3	0.0865	81	147
SC3B22	180M-2	22	3535	35.4	91.7	91.5	90.2	0.89	0.84	0.81	8.2	59.4	2.2	2.3	0.1072	83	178
SC3C02	200L1-2	30	3550	47.9	92.4	92.1	90.4	0.89	0.85	0.81	7.5	80.7	2.2	2.4	0.1956	84	248
SC3C72	200L2-2	37	3550	58.7	93.0	92.8	90.7	0.89	0.85	0.82	7.5	99.5	2.2	2.3	0.2012	84	258
SC3D52	225M-2	45	3565	70.1	93.6	93.5	91.2	0.90	0.86	0.82	7.6	120.5	2.2	2.4	0.3926	86	353
SC3E52	250M-2	55	3570	85.7	93.6	93.6	91.3	0.90	0.86	0.82	7.6	147.1	2.2	2.3	0.4879	89	460
SC3F82	280S-2	75	3575	116.2	94.1	93.9	91.5	0.90	0.87	0.82	7.1	200.3	2.0	2.3	0.8787	91	580
SC3F92	280M-2	90	3575	138.1	95.0	94.6	93.2	0.90	0.87	0.82	7.0	240.4	2.0	2.3	1.088	91	658
SC3G12	315S-2	110	3575	168.8	95.0	94.7	93.5	0.90	0.87	0.82	7.1	293.8	2.0	2.2	1.898	91	925
SC3G32	315M-2	132	3575	202.2	95.2	95.2	93.9	0.90	0.87	0.82	7.1	352.6	2.0	2.2	1.998	91	982
SC3G62	315L1-2	160	3575	241.3	95.6	95.5	94.2	0.91	0.87	0.83	7.1	427.4	2.0	2.3	2.286	92	1030
SC3H02	315L2-2	200	3575	301.0	95.8	95.6	94.5	0.91	0.88	0.83	7.1	534.3	2.0	2.2	2.988	92	1145
SC3H52	355M-2	250	3580	376.3	95.8	95.7	94.7	0.91	0.88	0.83	7.1	666.9	2.0	2.2	3.988	100	1555
SC3J12	355L-2	315	3580	474.1	95.8	95.7	94.7	0.91	0.88	0.84	7.1	840.3	2.0	2.2	4.781	100	1790

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

4 POLES - 1800 RPM 60Hz IE3

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)	Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				440V	100	75	50	100	75	50							
SC3074	802-4	0.75	1705	1.57	83.5	83.2	79.5	0.75	0.71	0.58	6.5	4.2	2.1	2.3	0.0036	56	25
SC3114	90S-4	1.1	1710	2.20	86.5	86.3	82.1	0.76	0.71	0.60	6.6	6.1	2.1	2.3	0.0045	58	30
SC3154	90L-4	1.5	1710	2.96	86.5	86.2	82.2	0.77	0.72	0.64	6.9	8.4	2.2	2.3	0.0057	59	35
SC3224	100L1-4	2.2	1730	3.98	89.5	89.2	85.6	0.81	0.75	0.66	7.5	12.1	2.2	2.3	0.0110	61	45
SC3304	100L2-4	3	1730	5.36	89.5	89.5	86.2	0.82	0.75	0.67	7.6	16.6	2.2	2.3	0.0146	63	51
SC3404	112M-4	4	1730	7.11	90.0	89.5	86.9	0.82	0.75	0.68	7.7	22.1	2.1	2.3	0.0175	63	55
SC3554	132S-4	5.5	1740	9.48	91.7	91.4	87.8	0.83	0.76	0.68	7.5	30.2	2.0	2.3	0.0397	69	77
SC3754	132M-4	7.5	1745	12.8	91.7	91.5	88.0	0.84	0.78	0.69	7.4	41.0	2.2	2.3	0.0556	69	93
SC3A24	160M-4	11	1760	18.4	92.4	92.2	89.4	0.85	0.79	0.70	7.5	59.7	2.2	2.3	0.1104	70	135
SC3A54	160L-4	15	1760	24.6	93.0	92.8	90.0	0.86	0.79	0.72	7.5	81.4	2.0	2.3	0.5780	73	162
SC3A84	180M-4	18.5	1765	30.2	93.6	93.2	90.5	0.86	0.80	0.73	7.7	100.1	2.1	2.3	0.2088	75	196
SC3B24	180L-4	22	1770	35.9	93.6	93.3	91.0	0.86	0.81	0.74	7.8	118.7	2.2	2.3	0.2584	75	224
SC3C04	200L-4	30	1770	48.6	94.1	93.8	91.5	0.86	0.82	0.74	7.2	161.9	2.1	2.3	0.3685	76	260
SC3C74	225S-4	37	1775	59.7	94.5	94.3	92.2	0.86	0.83	0.75	7.3	199.1	2.2	2.4	0.6669	78	345
SC3D54	225M-4	45	1775	72.3	95.0	94.8	92.6	0.86	0.83	0.75	7.4	242.1	2.2	2.4	0.7896	78	403
SC3E54	250M-4	55	1775	88.0	95.4	95.2	93.0	0.86	0.83	0.76	7.4	295.9	2.2	2.4	1.005	79	468
SC3F84	280S-4	75	1780	117.2	95.4	95.2	93.1	0.88	0.84	0.76	6.7	402.4	2.0	2.3	1.898	80	685
SC3F94	280M-4	90	1780	140.7	95.4	95.3	93.4	0.88	0.84	0.77	6.9	482.9	2.1	2.3	2.565	80	739
SC3G14	315S-4	110	1780	169.3	95.8	95.4	93.8	0.89	0.84	0.78	6.9	590.2	2.1	2.2	3.863	85	930
SC3G34	315M-4	132	1780	202.3	96.2	96.0	94.2	0.89	0.85	0.79	6.9	708.2	2.1	2.2	4.125	85	1000
SC3G64	315L1-4	160	1788	245.2	96.2	95.9	94.2	0.89	0.85	0.80	6.9	854.6	2.1	2.2	4.932	88	1130
SC3H04	315L2-4	200	1788	303.1	96.2	95.9	94.5	0.90	0.86	0.81	6.9	1068.2	2.1	2.2	5.855	88	1298
SC3H54	355M-4	250	1788	378.9	96.2	96.0	94.7	0.90	0.86	0.81	6.9	1335.3	2.1	2.3	8.456	95	1770
SC3J14	355L-4	315	1788	477.4	96.2	96.1	94.7	0.90	0.86	0.81	6.9	1682.5	2.2	2.3	10.745	95	2080

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

2 POLES - 3000 RPM 50Hz IE4

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC4072	801-2	0.75	2860	1.64	1.56	1.51	83.5	82.9	79.3	0.83	0.77	0.72	6.8	2.5	2.2	2.4	0.0015	62	24
SC4112	802-2	1.1	2865	2.36	2.25	2.16	85.2	84.7	80.2	0.83	0.77	0.72	7.2	3.7	2.2	2.3	0.0020	62	30
SC4152	90S-2	1.5	2870	3.10	2.94	2.84	86.5	85.6	81.5	0.85	0.80	0.72	7.6	5.0	2.1	2.3	0.0031	67	36
SC4222	90L-2	2.2	2875	4.42	4.20	4.04	88.0	87.5	82.9	0.86	0.81	0.73	7.5	7.3	2.2	2.4	0.0039	67	48
SC4302	100L-2	3	2885	5.88	5.59	5.38	89.1	88.6	84.0	0.87	0.82	0.75	7.9	9.9	2.2	2.3	0.0072	74	50
SC4402	112M-2	4	2900	7.67	7.29	7.03	90.0	89.2	84.7	0.88	0.82	0.77	7.8	13.2	2.3	2.5	0.0095	77	58
SC4552	132S1-2	5.5	2915	10.4	9.9	9.6	90.9	89.9	86.3	0.88	0.83	0.78	8.0	18.0	2.2	2.4	0.0171	78	79
SC4752	132S2-2	7.5	2915	14.0	13.3	12.8	91.7	91.5	88.5	0.89	0.83	0.79	7.8	24.6	2.2	2.3	0.0203	79	87
SC4A22	160M1-2	11	2940	20.3	19.3	18.6	92.6	92.3	89.6	0.89	0.83	0.79	7.6	35.7	2.2	2.3	0.0687	80	128
SC4A52	160M2-2	15	2940	27.4	26.1	25.1	93.3	92.8	90.8	0.89	0.84	0.80	7.9	48.7	2.2	2.5	0.0715	81	137
SC4A82	160L-2	18.5	2940	33.7	32.0	30.9	93.7	93.5	91.2	0.89	0.84	0.81	7.9	60.1	2.2	2.3	0.0899	81	159
SC4B22	180M-2	22	2945	40.0	38.0	36.6	94.0	93.7	91.4	0.89	0.84	0.81	7.8	71.3	2.2	2.3	0.1105	83	190
SC4C02	200L1-2	30	2960	54.2	51.5	49.6	94.5	94.0	92.5	0.89	0.85	0.81	7.5	96.8	2.2	2.4	0.2036	84	265
SC4C72	200L2-2	37	2960	69.7	63.3	61.0	94.8	94.1	92.6	0.89	0.85	0.82	7.5	119.4	2.2	2.3	0.2111	84	278
SC4D52	225M-2	45	2970	80.9	76.8	74.0	95.0	94.8	92.9	0.89	0.85	0.82	7.6	144.7	2.2	2.4	0.4012	86	370
SC4E52	250M-2	55	2975	98.5	93.6	90.2	95.3	94.9	93.1	0.89	0.86	0.82	7.6	176.6	2.2	2.3	0.4997	89	485
SC4F82	280S-2	75	2980	133.9	127.2	122.6	95.6	95.0	93.1	0.89	0.86	0.82	7.5	240.4	2.0	2.3	0.8859	91	600
SC4F92	280M-2	90	2980	160.4	152.4	146.9	95.8	95.3	93.2	0.89	0.86	0.82	7.2	288.4	2.0	2.3	1.102	91	670
SC4G22	315S-2	110	2980	195.6	185.8	179.1	96.0	95.5	93.5	0.89	0.86	0.82	7.1	352.5	2.0	2.2	1.937	91	950
SC4G32	315M-2	132	2980	234.2	222.5	214.5	96.2	95.6	93.9	0.89	0.86	0.82	7.1	423.0	2.0	2.2	2.005	91	1030
SC4G62	315L1-2	160	2980	283.6	269.5	259.7	96.3	95.6	94.2	0.89	0.87	0.83	7.1	512.8	2.0	2.3	2.301	92	1145
SC4H02	315L2-2	200	2980	353.8	336.1	324.0	96.5	95.6	94.5	0.89	0.87	0.83	7.1	640.9	2.0	2.2	3.005	92	1230
SC4H52	355M-2	250	2985	432.6	410.9	396.1	96.5	95.7	94.7	0.91	0.88	0.83	7.1	799.8	2.0	2.2	4.023	96	1630
SC4J12	355L-2	315	2985	545.0	517.8	499.1	96.5	95.8	94.7	0.91	0.88	0.84	7.1	1007.8	2.0	2.2	4.826	97	1820

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

4 POLES - 1500 RPM 50Hz IE4

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC4074	802-4	0.75	1420	1.80	1.71	1.65	85.7	85.1	80.9	0.74	0.71	0.60	6.5	5.0	2.1	2.3	0.0039	56	32
SC4114	90S-4	1.1	1425	2.56	2.43	2.34	87.2	86.5	81.8	0.75	0.71	0.60	6.6	7.4	2.1	2.3	0.0049	58	38
SC4154	90L-4	1.5	1425	3.40	3.23	3.11	88.2	87.6	83.5	0.76	0.72	0.64	6.9	10.1	2.2	2.3	0.0060	59	45
SC4224	100L1-4	2.2	1440	4.73	4.49	4.33	89.5	89.1	84.4	0.79	0.75	0.66	7.5	14.6	2.2	2.3	0.0115	61	56
SC4304	100L2-4	3	1440	6.30	5.99	5.77	90.4	89.8	85.8	0.80	0.75	0.67	7.6	19.9	2.2	2.3	0.0150	63	60
SC4404	112M-4	4	1440	8.34	7.92	7.64	91.1	90.5	86.9	0.80	0.75	0.68	7.7	26.5	2.1	2.3	0.0182	63	67
SC4554	132S-4	5.5	1450	11.4	10.8	10.4	91.9	91.3	88.0	0.80	0.76	0.68	7.5	36.2	2.0	2.3	0.0403	69	86
SC4754	132M-4	7.5	1455	15.2	14.4	13.9	92.6	92.2	88.5	0.81	0.78	0.69	7.4	49.2	2.2	2.3	0.0563	69	95
SC4A24	160M-4	11	1465	21.6	20.5	19.8	93.3	92.9	89.3	0.83	0.79	0.70	7.5	71.7	2.2	2.3	0.1128	70	145
SC4A54	160L-4	15	1465	28.9	27.4	26.5	93.9	93.4	90.5	0.84	0.79	0.72	7.5	97.8	2.0	2.3	0.5980	73	170
SC4A84	180M-4	18.5	1470	35.1	33.3	32.1	94.2	93.6	91.0	0.85	0.80	0.73	7.7	120.2	2.1	2.3	0.2102	75	205
SC4B24	180L-4	22	1475	41.6	39.5	38.1	94.5	94.1	91.5	0.85	0.81	0.74	7.8	142.4	2.2	2.3	0.2735	75	240
SC4C04	200L-4	30	1475	56.5	53.7	51.7	94.9	94.7	91.8	0.85	0.82	0.74	7.2	194.2	2.1	2.3	0.3752	76	270
SC4C74	225S-4	37	1480	69.5	66.0	63.6	95.2	95.0	92.0	0.85	0.83	0.75	7.3	238.8	2.2	2.4	0.6728	78	360
SC4D54	225M-4	45	1480	84.3	80.1	77.2	95.4	95.1	92.8	0.85	0.83	0.75	7.4	290.4	2.2	2.4	0.7996	78	425
SC4E54	250M-4	55	1480	101.5	96.5	93.0	95.7	95.2	93.0	0.86	0.83	0.76	7.4	354.9	2.2	2.4	1.019	79	480
SC4F84	280S-4	75	1485	136.4	129.6	124.9	96.0	95.8	93.4	0.87	0.84	0.76	6.7	482.3	2.0	2.3	1.965	80	700
SC4F94	280M-4	90	1485	161.7	153.6	148.1	96.1	95.8	93.8	0.88	0.84	0.77	6.9	578.8	2.1	2.3	2.612	80	750
SC4G24	315S-4	110	1485	195.0	185.3	178.6	96.3	95.8	94.0	0.89	0.84	0.78	6.9	707.4	2.1	2.2	3.913	85	965
SC4G34	315M-4	132	1485	233.8	222.1	214.0	96.4	95.9	94.2	0.89	0.85	0.79	6.9	848.9	2.1	2.2	4.156	85	1070
SC4G64	315L1-4	160	1490	279.6	265.6	256.0	96.6	96.2	94.5	0.90	0.85	0.80	6.9	1025.5	2.1	2.2	5.216	88	1185
SC4H04	315L2-4	200	1490	349.2	331.7	319.7	96.7	96.2	94.7	0.90	0.86	0.81	6.9	1281.9	2.1	2.2	6.012	88	1310
SC4H54	355M-4	250	1490	436.5	414.6	399.6	96.7	96.3	94.7	0.90	0.86	0.81	6.9	1602.3	2.1	2.3	9.654	95	1780
SC4J14	355L-4	315	1490	549.9	522.4	503.6	96.7	96.3	95.0	0.90	0.87	0.82	6.9	2019.0	2.2	2.3	11.32	95	2090

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

6 POLES - 1000 RPM 50Hz IE4

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC4076	90S-6	0.75	0.75	935	1.97	1.87	82.7	82.2	78.6	0.70	0.64	0.58	5.8	7.7	2.1	2.2	0.0063	54	35
SC4116	90L-6	1.1	1.1	940	2.83	2.68	84.5	84.1	80.5	0.70	0.65	0.60	5.9	11.2	2.1	2.2	0.0085	57	43
SC4156	100L-6	1.5	1.5	950	3.74	3.55	85.9	85.6	81.2	0.71	0.66	0.60	6.0	15.1	2.1	2.2	0.0160	61	50
SC4226	112M-6	2.2	2.2	950	5.39	5.12	87.4	87.1	82.8	0.71	0.67	0.61	6.0	22.1	2.0	2.2	0.0258	65	60
SC4306	132S-6	3	3	960	7.25	6.88	88.6	88.5	83.6	0.71	0.67	0.61	6.2	29.8	2.0	2.2	0.0469	67	73
SC4406	132M1-6	4	4	960	9.43	8.96	89.5	88.9	84.2	0.72	0.68	0.61	6.8	39.8	2.0	2.2	0.0532	68	80
SC4556	132M2-6	5.5	5.5	965	12.8	12.2	90.5	90.2	85.7	0.72	0.68	0.62	7.1	54.4	2.0	2.3	0.0958	69	102
SC4756	160M-6	7.5	7.5	970	16.4	15.6	91.3	90.8	87.2	0.76	0.72	0.63	6.7	73.8	2.1	2.3	0.1487	71	135
SC4A26	160L-6	11	11	970	23.5	22.3	92.3	91.9	88.5	0.77	0.73	0.64	6.9	108.3	2.1	2.3	0.2152	72	170
SC4A56	180L-6	15	15	975	30.7	29.1	92.9	92.5	89.6	0.80	0.74	0.66	7.1	146.9	2.0	2.2	0.3721	72	240
SC4A86	200L1-6	18.5	18.5	980	37.6	35.7	93.4	93.2	90.7	0.80	0.74	0.68	7.2	180.3	2.1	2.3	0.5158	73	260
SC4B26	200L2-6	22	22	980	44.0	41.8	93.7	93.5	91.3	0.81	0.75	0.69	7.2	214.4	2.1	2.3	0.5936	73	285
SC4C06	225M-6	30	30	985	59.0	56.1	94.2	94.0	91.8	0.82	0.75	0.70	7.1	290.9	2.0	2.2	0.7325	74	360
SC4C76	250M-6	37	37	985	71.7	68.1	94.5	94.1	92.1	0.83	0.76	0.71	7.1	358.7	2.1	2.3	1.146	75	445
SC4D56	280S-6	45	45	985	86.9	82.6	94.8	94.5	92.6	0.83	0.78	0.72	7.1	436.3	2.1	2.2	2.487	78	565
SC4E56	280M-6	55	55	985	104.6	99.4	95.1	94.8	93.2	0.84	0.79	0.73	7.1	533.2	2.1	2.2	2.966	78	645
SC4F86	315S-6	75	75	990	142.2	135.1	95.4	95.1	93.7	0.84	0.80	0.74	6.7	723.5	2.0	2.3	4.521	82	915
SC4F96	315M-6	90	90	990	168.3	159.9	95.6	95.1	93.7	0.85	0.80	0.75	6.7	868.2	2.0	2.3	5.123	82	1020
SC4G26	315L1-6	110	110	990	205.2	195.0	95.8	95.3	94.2	0.85	0.81	0.75	6.7	1061.1	2.0	2.3	6.398	83	1160
SC4G36	315L2-6	132	132	990	242.9	230.8	96.0	95.5	94.7	0.86	0.81	0.76	6.7	1273.3	2.0	2.3	7.452	83	1290
SC4G66	355M1-6	160	160	990	293.8	279.2	96.2	95.5	94.7	0.86	0.81	0.76	6.7	1543.4	2.0	2.3	11.225	85	1615
SC4H06	355M2-6	200	200	990	366.9	348.6	96.3	95.7	94.8	0.86	0.81	0.78	6.7	1929.3	2.0	2.3	12.316	85	1820
SC4H56	355L-6	250	250	990	457.7	434.8	96.5	95.8	95.0	0.86	0.81	0.78	6.7	2411.6	2.0	2.3	15.012	85	1995

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque



PERFORMANCE DATA

PERFORMANCE DATA

8 POLES - 750 RPM 50Hz IE4

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC4078	100L1-8	0.75	695	2.20	2.09	2.02	78.4	77.8	72.5	0.66	0.54	0.45	4.6	10.3	2.1	2.4	0.0125	55	45
SC4118	100L2-8	1.1	695	3.09	2.93	2.83	80.8	79.9	75.2	0.67	0.55	0.46	4.6	15.1	2.2	2.4	0.0149	56	50
SC4158	112M1-8	1.5	700	4.00	3.80	3.66	82.6	82.1	77.6	0.69	0.57	0.50	4.7	20.5	2.2	2.5	0.0245	60	66
SC4228	132S-8	2.2	705	5.65	5.37	5.17	84.5	83.9	79.5	0.70	0.60	0.52	4.7	29.8	2.1	2.5	0.0652	63	77
SC4308	132M-8	3	705	7.58	7.20	6.94	85.9	85.5	80.9	0.70	0.60	0.54	4.6	40.6	2.1	2.6	0.0872	64	88
SC4408	160M1-8	4	715	9.8	9.3	9.0	87.1	86.5	82.5	0.71	0.62	0.54	4.5	53.4	2.2	2.5	0.1170	65	98
SC4558	160M2-8	5.5	715	13.1	12.5	12.0	88.3	87.8	83.8	0.72	0.63	0.54	5.5	73.5	2.3	2.6	0.1352	68	118
SC4758	160L-8	7.5	725	17.2	16.4	15.8	89.3	88.8	84.9	0.74	0.64	0.55	6.2	98.8	2.2	2.6	0.1458	68	148
SC4A28	180L-8	11	730	25.0	23.7	22.9	90.4	89.6	86.0	0.74	0.66	0.56	5.5	143.9	2.2	2.5	0.2990	70	195
SC4A58	200L-8	15	730	33.3	31.7	30.5	91.2	90.5	86.7	0.75	0.68	0.57	5.8	196.2	2.1	2.6	0.4265	70	250
SC4A88	225S-8	18.5	730	40.9	38.8	37.4	91.7	91.2	87.8	0.75	0.71	0.61	6.2	242.0	2.1	2.5	0.6345	70	315
SC4B28	225M-8	22	735	47.8	45.4	43.7	92.1	91.8	88.3	0.76	0.71	0.62	6.2	285.9	2.2	2.5	0.7156	73	370
SC4C08	250M-8	30	735	63.9	60.7	58.5	92.7	92.5	88.9	0.77	0.72	0.63	6.2	389.8	2.3	2.4	1.193	74	445
SC4C78	280S-8	37	740	77.4	73.5	70.9	93.1	92.6	89.5	0.78	0.73	0.64	6.4	477.5	2.1	2.2	2.235	75	570
SC4D58	280M1-8	45	740	93.9	89.2	85.9	93.4	92.9	90.6	0.78	0.74	0.65	6.4	580.7	1.9	2.5	2.998	75	690
SC4E58	315S-8	55	740	111.5	105.9	102.1	93.7	93.0	91.5	0.80	0.74	0.67	6.7	709.8	1.9	2.2	6.045	78	880
SC4F88	315M-8	75	740	151.2	143.7	138.5	94.2	93.5	92.0	0.80	0.75	0.69	6.7	967.9	2.0	2.4	6.542	78	1095
SC4F98	315L1-8	90	745	178.8	169.9	163.8	94.4	93.8	92.5	0.81	0.77	0.69	6.7	1153.7	1.8	2.2	7.136	80	1180
SC4G28	315L2-8	110	745	217.9	207.0	199.5	94.7	94.1	92.8	0.81	0.77	0.70	6.4	1410.1	1.8	2.5	8.369	81	1350
SC4G38	355M1-8	132	745	260.9	247.9	238.9	94.9	94.3	93.0	0.81	0.78	0.72	6.2	1692.1	1.7	2.3	13.72	82	1765
SC4G68	355M2-8	160	745	311.7	296.2	285.4	95.1	94.7	93.5	0.82	0.79	0.73	6.2	2051.0	1.6	2.3	15.43	82	1830
SC4H08	355L-8	200	745	388.5	369.0	355.7	95.4	94.9	93.5	0.82	0.80	0.74	6.3	2563.8	1.6	2.4	17.03	85	2050

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

2 POLES - 3600 RPM 60Hz IE4

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)	Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
					100	75	50	100	75	50							
SC4074	801-2	0.75	3430	1.44	82.5	82.0	78.8	0.83	0.77	0.72	6.8	2.1	2.2	2.4	0.0015	62	24
SC4114	802-2	1.1	3435	2.03	85.5	85.1	80.2	0.83	0.77	0.72	7.2	3.1	2.2	2.3	0.0020	62	30
SC4154	90S-2	1.5	3445	2.68	86.5	85.6	81.5	0.85	0.80	0.72	7.6	4.2	2.1	2.3	0.0031	67	36
SC4224	90L-2	2.2	3450	3.79	88.5	88.0	84.0	0.86	0.81	0.73	7.5	6.1	2.2	2.4	0.0039	67	48
SC4304	100L-2	3	3460	5.08	89.0	88.6	84.0	0.87	0.82	0.75	7.9	8.3	2.2	2.3	0.0072	74	50
SC4404	112M-2	4	3480	6.64	89.8	89.5	84.7	0.88	0.82	0.77	7.8	11.0	2.3	2.5	0.0095	77	58
SC4554	132S1-2	5.5	3495	9.09	90.2	89.9	86.3	0.88	0.83	0.78	8.0	15.0	2.2	2.4	0.0171	78	79
SC4754	132S2-2	7.5	3500	12.1	91.7	91.5	88.5	0.89	0.83	0.79	7.8	20.5	2.2	2.3	0.0203	79	87
SC4A24	160M1-2	11	3530	17.6	92.4	92.3	89.6	0.89	0.83	0.79	7.6	29.8	2.2	2.3	0.0687	80	128
SC4A54	160M2-2	15	3530	23.9	92.4	92.4	90.5	0.89	0.84	0.80	7.9	40.6	2.2	2.5	0.0715	81	137
SC4A84	160L-2	18.5	3530	29.3	93.0	92.7	90.5	0.89	0.84	0.81	7.9	50.0	2.2	2.3	0.0899	81	159
SC4B24	180M-2	22	3535	34.9	93.0	92.7	90.6	0.89	0.84	0.81	7.8	59.4	2.2	2.3	0.1105	83	190
SC4C04	200L1-2	30	3550	47.3	93.6	93.6	92.1	0.89	0.85	0.81	7.5	80.7	2.2	2.4	0.2036	84	265
SC4C74	200L2-2	37	3550	58.0	94.1	93.8	92.3	0.89	0.85	0.82	7.5	99.5	2.2	2.3	0.2111	84	278
SC4D54	225M-2	45	3565	70.2	94.5	94.2	92.5	0.89	0.85	0.82	7.6	120.5	2.2	2.4	0.4012	86	370
SC4E54	250M-2	55	3570	85.8	94.5	94.3	92.6	0.89	0.86	0.82	7.6	147.1	2.2	2.3	0.4997	89	485
SC4F84	280S-2	75	3575	116.4	95.0	94.6	93.1	0.89	0.86	0.82	7.5	200.3	2.0	2.3	0.8859	91	600
SC4F94	280M-2	90	3575	139.1	95.4	94.9	93.2	0.89	0.86	0.82	7.2	240.4	2.0	2.3	1.102	91	670
SC4G14	315S-2	110	3575	170.0	95.4	95.1	93.5	0.89	0.86	0.82	7.1	293.8	2.0	2.2	1.937	91	950
SC4G34	315M-2	132	3575	203.2	95.8	95.6	93.9	0.89	0.86	0.82	7.1	352.6	2.0	2.2	2.005	91	1030
SC4G64	315L1-2	160	3575	245.7	96.0	95.6	94.0	0.89	0.87	0.83	7.1	427.4	2.0	2.3	2.301	92	1145
SC4H04	315L2-2	200	3575	306.5	96.2	95.6	94.5	0.89	0.87	0.83	7.1	534.3	2.0	2.2	3.005	92	1230
SC4H54	355M-2	250	3580	374.7	96.2	95.7	94.7	0.91	0.88	0.83	7.1	666.9	2.0	2.2	4.023	96	1630
SC4J14	355L-2	315	3580	472.2	96.2	95.8	94.7	0.91	0.88	0.84	7.1	840.3	2.0	2.2	4.826	97	1820

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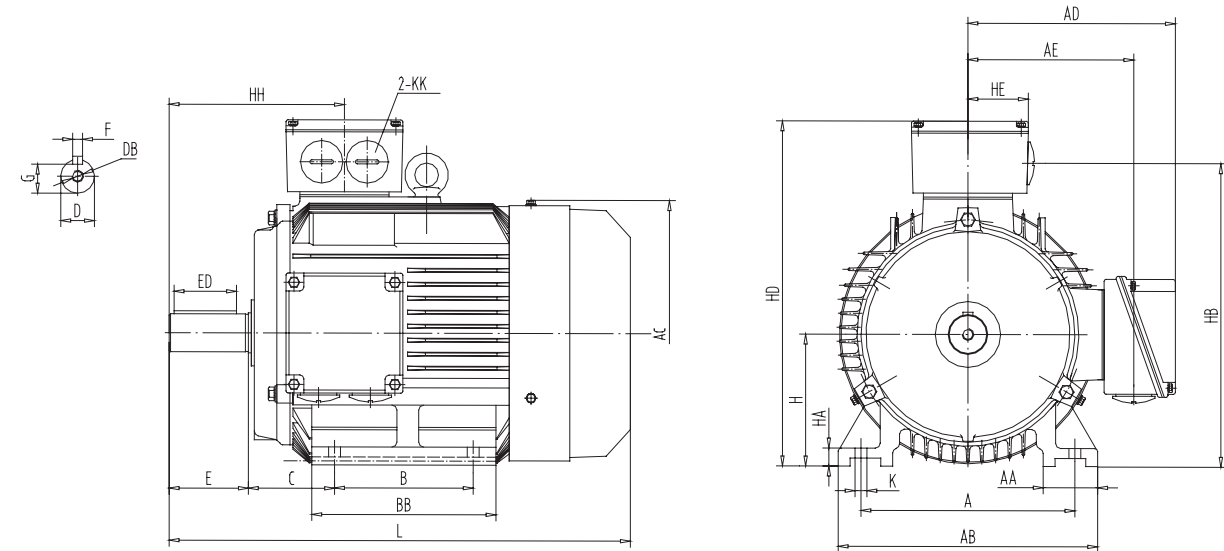
4 POLES - 1800 RPM 60Hz IE4

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)	Efficiency			%FL	Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				440V	100	75	50	100	75	50								
SC4074	802-4	0.75	1705	1.56	85.5	85.1	80.9	0.74	0.71	0.60	6.5	4.2	2.1	2.3	0.0039	56	32	
SC3114	90S-4	1.1	1710	2.20	87.5	86.8	81.8	0.75	0.71	0.60	6.6	6.1	2.1	2.3	0.0049	58	38	
SC3154	90L-4	1.5	1710	2.93	88.5	87.9	83.5	0.76	0.72	0.64	6.9	8.4	2.2	2.3	0.0060	59	45	
SC3224	100L1-4	2.2	1730	4.02	91.0	89.8	85.2	0.79	0.75	0.66	7.5	12.1	2.2	2.3	0.0115	61	56	
SC3304	100L2-4	3	1730	5.41	91.0	89.8	85.8	0.80	0.75	0.67	7.6	16.6	2.2	2.3	0.0150	63	60	
SC3404	112M-4	4	1730	7.19	91.3	90.6	86.9	0.80	0.75	0.68	7.7	22.1	2.1	2.3	0.0182	63	67	
SC3554	132S-4	5.5	1740	9.76	92.4	92.0	88.5	0.80	0.76	0.68	7.5	30.2	2.0	2.3	0.0403	69	86	
SC3754	132M-4	7.5	1745	13.1	92.4	92.2	88.5	0.81	0.78	0.69	7.4	41.0	2.2	2.3	0.0563	69	95	
SC3A24	160M-4	11	1760	18.6	93.6	93.1	89.5	0.83	0.79	0.70	7.5	59.7	2.2	2.3	0.1128	70	145	
SC3A54	160L-4	15	1760	24.9	94.1	93.5	90.6	0.84	0.79	0.72	7.5	81.4	2.0	2.3	0.5980	73	170	
SC3A84	180M-4	18.5	1765	30.2	94.5	93.8	91.0	0.85	0.80	0.73	7.7	100.1	2.1	2.3	0.2102	75	205	
SC3B24	180L-4	22	1770	35.9	94.5	94.1	91.5	0.85	0.81	0.74	7.8	118.7	2.2	2.3	0.2735	75	240	
SC3C04	200L-4	30	1770	48.8	95.0	94.7	91.8	0.85	0.82	0.74	7.2	161.9	2.1	2.3	0.3752	76	270	
SC3C74	225S-4	37	1775	59.9	95.4	95.0	92.0	0.85	0.83	0.75	7.3	199.1	2.2	2.4	0.6728	78	360	
SC3D54	225M-4	45	1775	72.8	95.4	95.1	92.8	0.85	0.83	0.75	7.4	242.1	2.2	2.4	0.7996	78	425	
SC3E54	250M-4	55	1775	87.6	95.8	95.2	93.0	0.86	0.83	0.76	7.4	295.9	2.2	2.4	1.019	79	480	
SC3F84	280S-4	75	1780	117.6	96.2	95.7	93.4	0.87	0.84	0.76	6.7	402.4	2.0	2.3	1.965	80	700	
SC3F94	280M-4	90	1780	139.5	96.2	95.8	93.8	0.88	0.84	0.77	6.9	482.9	2.1	2.3	2.612	80	750	
SC3G14	315S-4	110	1780	168.6	96.2	95.8	94.0	0.89	0.84	0.78	6.9	590.2	2.1	2.2	3.913	85	965	
SC3G34	315M-4	132	1785	201.9	96.4	95.9	94.2	0.89	0.85	0.79	6.9	706.2	2.1	2.2	4.156	85	1070	
SC3G64	315L1-4	160	1788	241.7	96.5	96.2	94.5	0.90	0.85	0.80	6.9	854.6	2.1	2.2	5.216	88	1185	
SC3H04	315L2-4	200	1788	301.2	96.8	96.3	94.7	0.90	0.86	0.81	6.9	1068.2	2.1	2.2	6.012	88	1310	
SC3H54	355M-4	250	1788	376.5	96.8	96.4	94.7	0.90	0.86	0.81	6.9	1335.3	2.1	2.3	9.654	95	1780	
SC3J14	355L-4	315	1788	474.5	96.8	96.4	95.0	0.90	0.87	0.82	6.9	1682.5	2.2	2.3	11.32	95	2090	

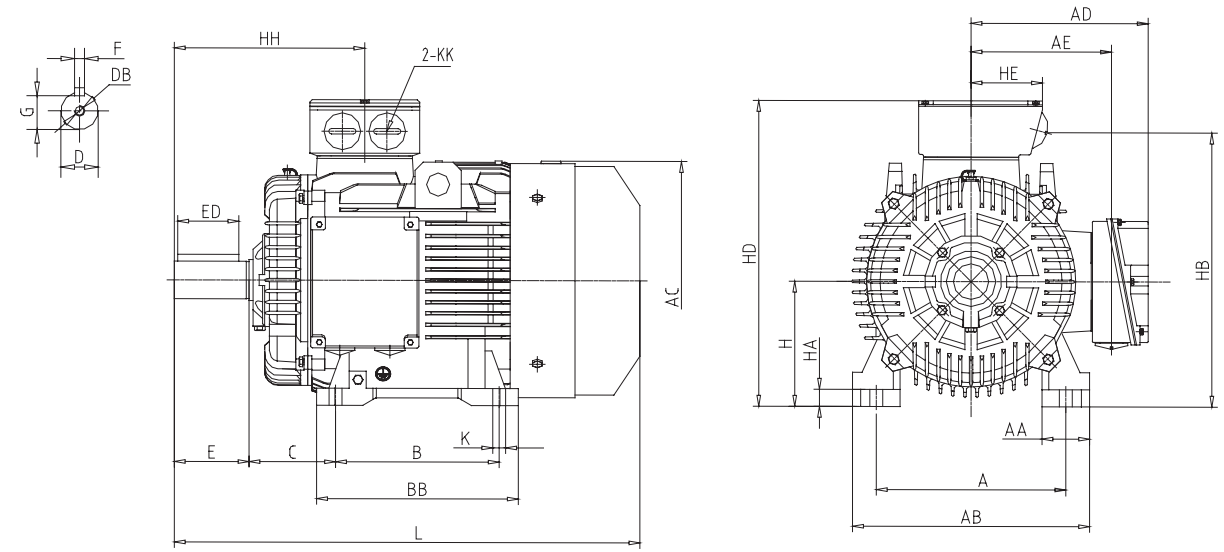
● I_{st} = Locked Rotor Current ● T_{st} = Locked Rotor Torque ● I_n = Rated Current ● T_{max} = Maximum Torque ● FL = Full Load ● T_n = Rated Torque

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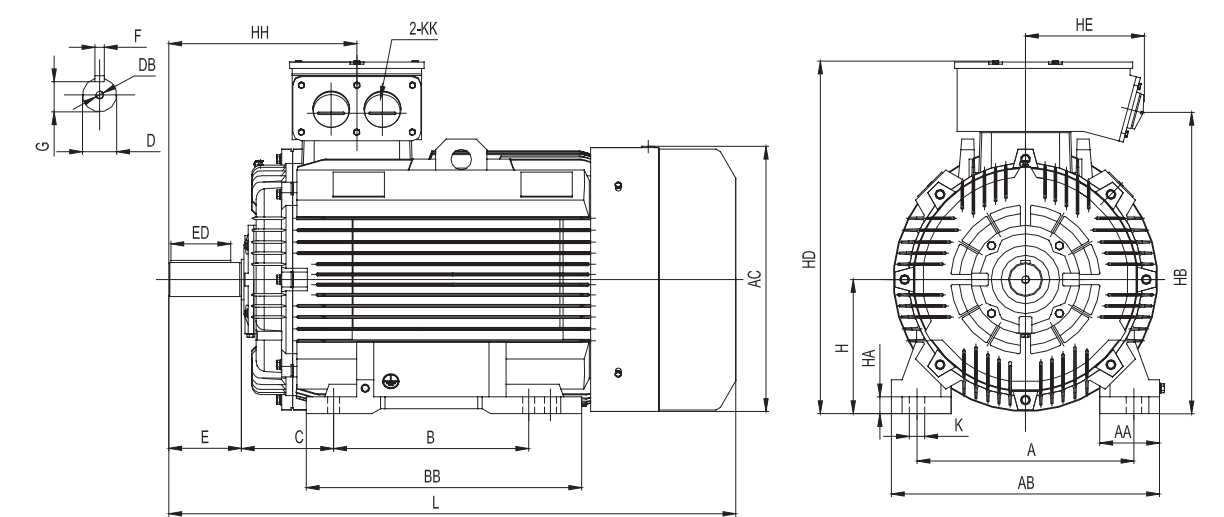
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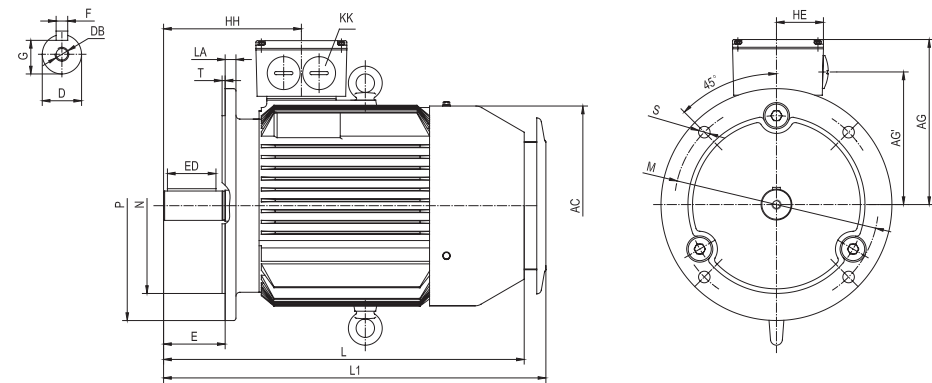


315~355

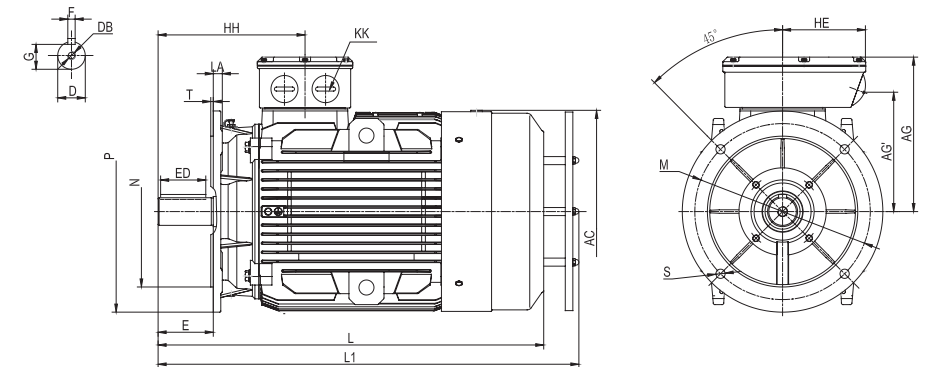


FRAME	A	AA	AB	AC	AD	AE	B	BB	C	D	DB	E	ED	F	G	H	HA	HB	HD	HE	HH	K	KK	L			
80M	125	34	165	156	145	115	100	130	50	19	M6X16	40	25	6	15.5	80	10	195	225	59	112	10	M25X1.5	310			
90S	140	36	180	176	155	115	100	140	56	24	M8X19	50	40	8	20	90	12	205	245	59	125	10	M25X1.5	350			
90L							125	165																375			
100L	160	40	200	200	170	128	140	176	63	28	M10X22	60	45	8	24	100	14	228	270	59	143	12	M25X1.5	430			
112M	190	45	226	220	198	153	140	180	70	28	M10X22	60	45	8	24	112	13	265	310	59	154	12	M25X1.5	400			
132S	216	55	262	260	218	173	140	186	89	38	M12X28	80	63	10	33	132	18	305	350	59	179	12	M32X1.5	470			
132M							178	224																510			
160M	254	65	314	320	270	205	210	268	108	42	M16X36	110	90	12	37	160	20	365	415	95	260	14.5	M40Z1.5	625			
160L							254	312																670			
180M	279	70	349	355	285	220	241	296	121	48	M16X36	110	90	14	42.5	180	22	400	455	95	274	14.5	M40X1.5	700			
180L							279	335																400			
200L	318	72	380	405	325	255	305	366	133	55	M20X42	110	90	16	49	200	23	445	510	166	296	18.5	M50X1.5	780			
225S - 4,6,8	356	85	430	460	340	270	286	356	149	55	M20X42	140	110	18	53	225	24	507	560	166	329	18.5	M50X1.5	820			
225M - 2							311	381				110	90	16	49						299			820			
225M - 4,6,8												140	110	18	53						329			850			
250M - 2	406	110	480	500	365	290	349	440	168	60	M20X42	140	110	18	53	250	35	560	620	185	355	24	M63X1.5	945			
250M - 4,6,8							65	58																			
280S - 2	457	130	542	560	391	320	368	458	190	65	M20X24	140	110	18	58	280	33	600	675	185	360	24	M63X1.5	1020			
280S - 4,6,8															75										20	67.5	
280M - 2							419	509		65				18	58									1070			
280M - 4,6,8															75										20	67.5	
315S - 2	508	140	628	625			406	590	216	65	M20X42	140	110	18	58	315	40	745	835	275	415	28	M63X1.5	1195			
315S - 4,6,8												457	645	170	140						22			71	445	1225	
315M - 2							508			140				110	18						58			415	1305		
315M - 4,6,8										80		170	170	22	71						445			1335			
315L - 2							508							65	140						140			18	58	415	1305
315L - 4,6,8															80						170			170	22	71	445
355M - 2	610	160	740	698			560		254	75	M24X50	140	110	20	67.5	355	55	838	1060	450	415	28	M63X1.5	1595			
355M - 4,6,8										95		170	140	25	86						445			1625			
355L - 2							630							75	140						110			20	67.5	415	1595
355L - 4,6,8															95						170			140	25	86	445

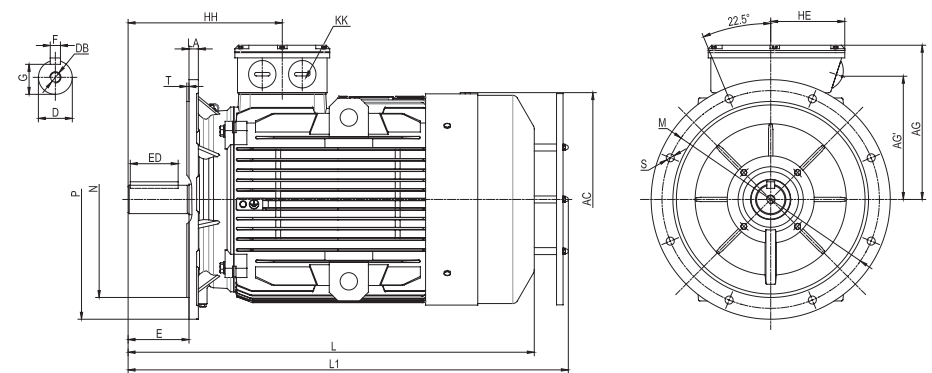
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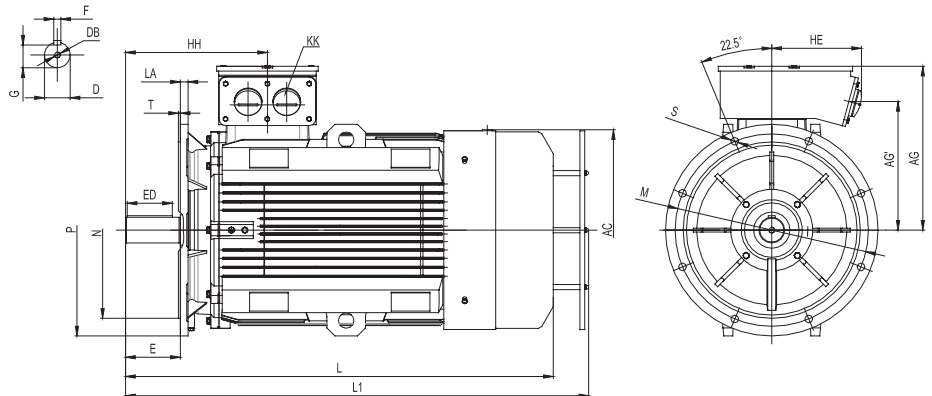
160~200



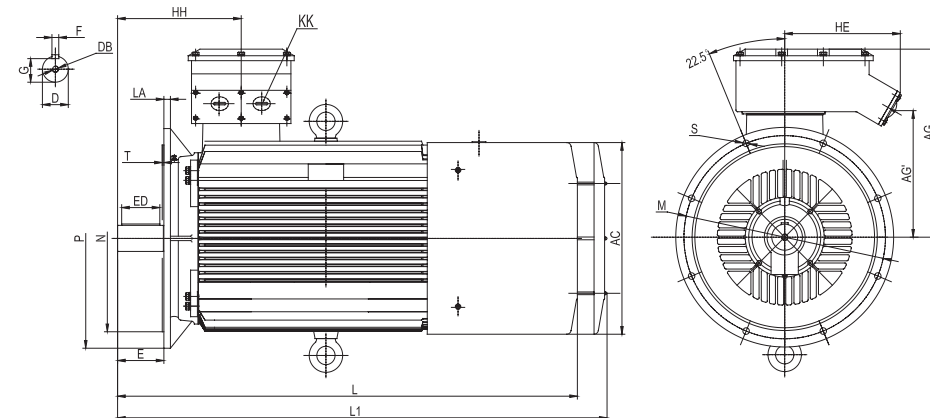
225~280



315

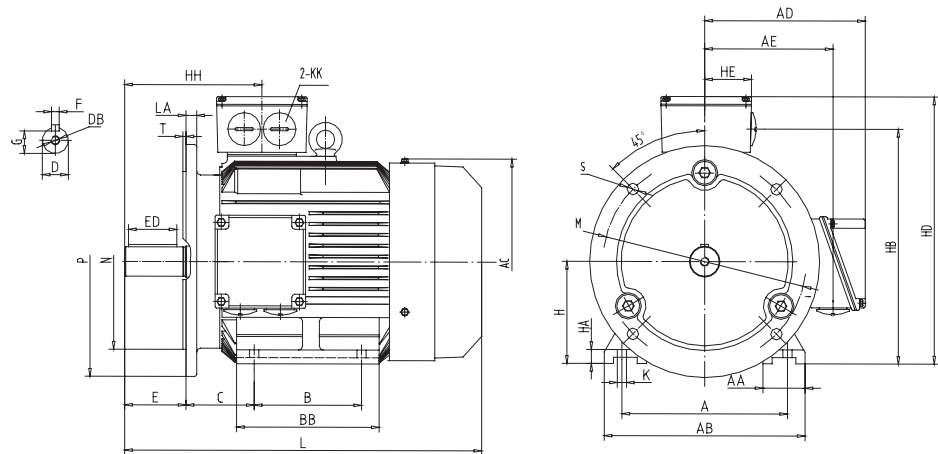


355

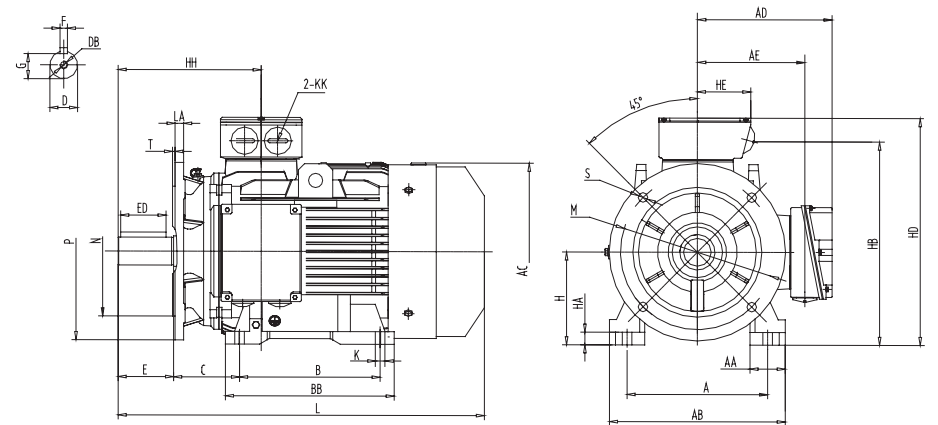


FRAME	AC	AG	AG	D	DB	E	ED	F	G	HE	HH	KK	L	L1	LA	M	N	P	S	T					
80M	156	145	115	19	M6X16	40	25	6	15.5	59	112	M25X1.5	310	355	12	165	130	200	4 X 12	3.5					
90S	176	155	115	24	M8X19	50	40	8	20	59	125	M25X1.5	350	405	12	165	130	200	4 X 12	3.5					
90L													375	430											
100L	200	170	128	28	M10X22	60	45	8	24	59	143	M25X1.5	430	485	14	215	180	250	4 X 14.5	4					
112M	220	198	162	28	M10X22	60	45	8	24	59	154	M32X1.5	400	465	14	215	180	250	4 X 14.5	4					
132S	260	218	173	38	M12x28	80	63	10	33	59	179	M32X1.5	470	535	14	265	230	300	4 X 14.5	4					
132M													510	575											
160M	320	255	215	42	M16x36	110	90	12	37	95	260	M40x1.5	625	690	15	300	250	350	4 x 18.5	5					
160L													670	735											
180M	355	275	220	48	M16X36	110	90	14	42.5	95	274	M40X1.5	700	775	18	300	250	350	4 X 18.5	5					
180L													740	815											
200L	405	310	245	55	M20X42	110	90	16	49	166	296	M50X1.5	780	855	18	350	300	400	4 X 18.5	5					
225S - 4,6,8	460	330	282	60	M20X42	110	90	16	49	166	329	M50X1.5	820	895	20	400	350	450	8 X 18.5	5					
225M - 2				55									110	90							16	49	299	850	925
225M - 4,6,8				60									140	110							18	53	329	850	925
250M - 2	500	370	310	60	M20X42	140	110	18	53	185	355	M63X1.5	945	1020	22	500	450	550	8 X 18.5	5					
250M - 4,6,8				65				18	58				1070	1145											
280S - 2	560	395	320	65	M20X42	140	110	18	58	185	360	M63X1.5	1020	1095	22	500	450	550	8 X 18.5	5					
280S - 4,6,8				75				20	67.5																
280M - 2				65				18	58																
280M - 4,6,8				75				20	67.5				1070	1145											
315S - 2	625	520	430	65	M20x42	140	110	18	58	275	415	M63X1.5	1195	1270	24	600	550	660	8 X 24	6					
315S - 4,6,8				80				22	71		445		1225	1300											
315M - 2				65				140	110		18		58	415							1305	1380			
315M - 4,6,8				80				170	140		22		71	445							1335	1410			
315L - 2				65				140	110		18		58	415							1305	1380			
315L - 4,6,8				80				170	140		22		71	445							1335	1410			
355M - 2	698	645	550	75	M24X42	140	110	20	67.5	436	424	M63X1.5	1510	1585	24	740	680	800	8 X 24	6					
355M - 4,6,8				95				170	140		25		86	454							1540	1615			
355L - 2				75				140	110		20		67.5	424							1510	1585			
355L - 4,6,8				95				170	140		25		86	454							1540	1615			

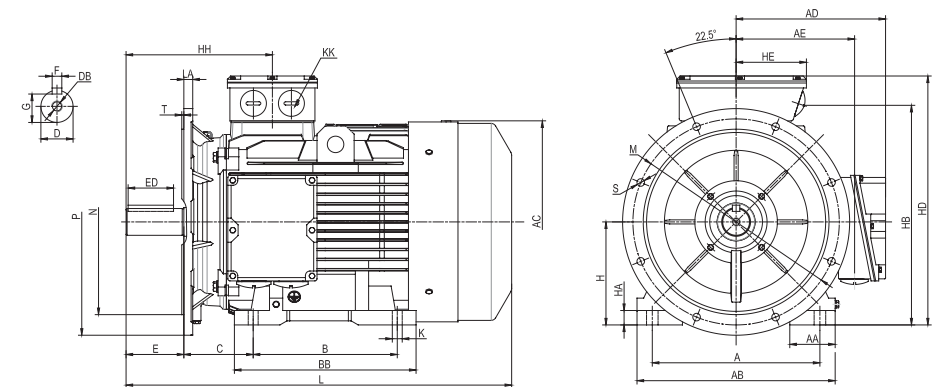
80~132



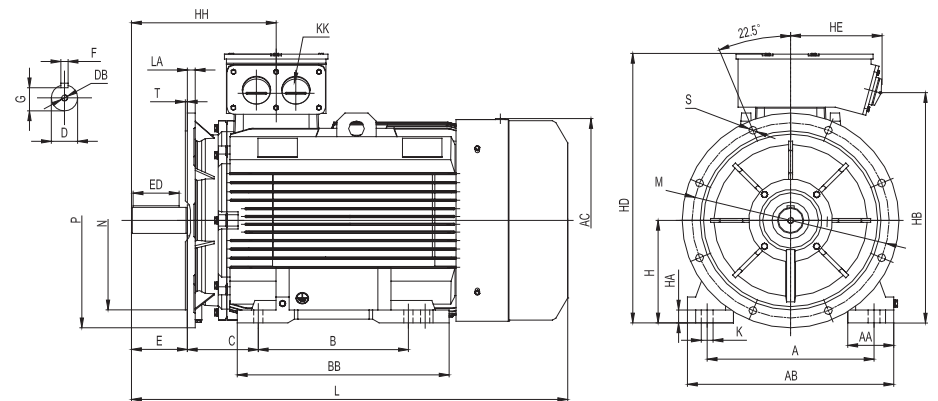
160~200



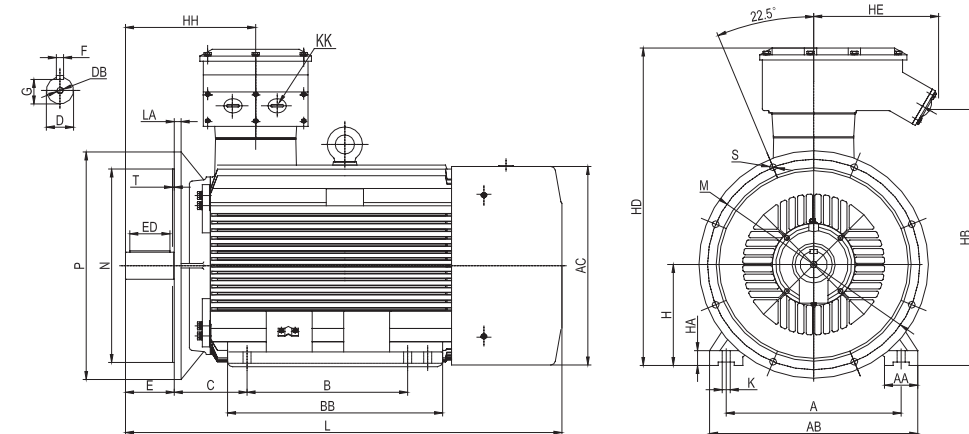
225~280



315

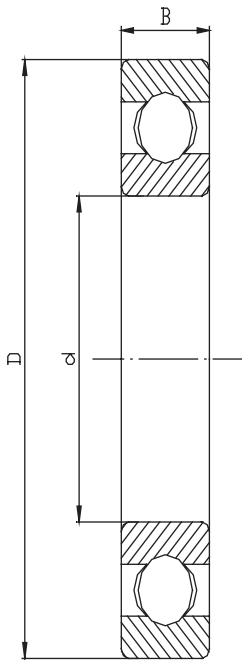


355



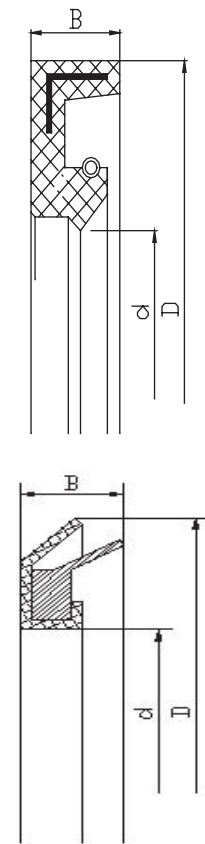
FRAME	A	AA	AB	AC	AD	AE	B	BB	C	D	DB	E	ED	F	G	H	HA	HB	HD	HE	HH	K	KK	L	LA	M	N	P	S	T	
80M	125	34	165	156	145	115	100	150	50	19	M6X16	40	25	6	15.5	80	10	195	225	59	112	10	M25X1.5	310	12	165	130	200	4 X 12	3.5	
90S	140	36	180	176	155	115	100	180	56	24	M8X19	50	40	8	20	90	12	205	245	59	125	10	M25X1.5	350	12	165	130	200	4 X 12	3.5	
90L							125	205																375							
100L	160	40	200	200	170	128	140	203	63	28	M10X22	60	45	8	24	100	14	228	270	59	143	12	M25X1.5	430	15	215	180	250	4 X 14.5	4	
112M	190	45	226	220	198	153	140	180	70	28	M10X22	60	45	8	24	112	13	265	310	59	154	12	M32X1.5	400	14	215	180	250	4 X 14.5	4	
132S	216	55	262	260	218	173	140	186	89	38	M12X28	80	63	10	33	132	18	305	350	59	179	12	M32X1.5	470	14	265	230	300	4 X 14.5	4	
132M							178	224																510							
160M	254	165	314	320	270	205	210	268	108	42	M16X36	110	90	12	37	160	20	365	415	95	260	14.5	M40X1.5	625	15	300	250	350	4 X 18.5	5	
160L							279	335																670							
180M	279	70	349	335	285	220	241	296	121	48	M16X36	110	90	14	42.5	180	22	400	455	95	274	14.5	M40X1.5	700	18	300	250	350	4 X 18.5	5	
180L							279	335																740							
200L	318	72	380	405	325	255	305	366	133	55	M20X42	110	90	16	49	200	23	445	510	166	296	18.5	M50X1.5	780	18	350	300	400	4 X 18.5	5	
225S - 4,6,8	356	85	430	460	340	270	286	356	149	55	M20X42	140	110	18	53	225	24	507	560	166	299	18.5	M50X1.5	820	20	400	350	450	8 X 18.5	5	
225M - 2							311	381				60	110	90	16									49							820
225M - 4,6,8												60	140	110	18									53							850
250M - 2	406	110	480	500	365	290	349	440	168	60	M20X42	140	110	18	53	250	35	560	620	185	355	24	M63X1.5	945	22	500	450	550	8 X 18.5	5	
250M - 4,6,8												65		58																	
280S - 2	457	130	542	560	391	320	368	458	190	65	M20X42	140	110	18	53	280	33	600	675	185	360	24	M63X1.5	1020	22	500	450	550	8 X 18.5	5	
280S - 4,6,8														75	20									67.5							
280M - 2							419	509		65		18	58	1070																	
280M - 4,6,8										75																					
315S - 2	508	140	628	625			406	590	216	65	M20X42	140	110	18	58	315	40	745	835	275	415	28	M63X1.5	1195	24	600	550	660	8 X 24	6	
315S - 4,6,8										80		170	140	22	71						1225										
315M - 2							457	645		65		140	110	18	58						1305										
315M - 4,6,8										80		170	140	22	71						1335										
315L - 2							508			65		140	110	18	58						1305										
315L - 4,6,8										80		170	140	22	71						1335										
355M - 2	610	116	726	698			560		750	254	75	M24X42	140	110	20	67.5	355	52	830	1040	436	424	28	M63X1.5	1510	24	740	680	800	8 X 24	6
355M - 4,6,8											95		170	140	25	86						1540									
355L - 2							630				75		140	110	20	67.5						1510									
355L - 4,6,8											95		170	140	25	86						1540									

BEARING DATA



FRAME	DE	d	D	B	NDE	d	D	B
80	6204ZZCM	20	47	14	6204ZZCM	20	47	14
90	6205ZZCM	25	52	15	6205ZZCM	25	52	15
100	6206ZZCM	30	62	16	6206ZZCM	30	62	16
112	6206ZZCM	30	62	16	6206ZZCM	30	62	16
132	6208ZZCM	40	80	18	6208ZZCM	40	80	18
160	6309C3	45	100	25	6309C3	45	100	25
180	6311C3	55	120	29	6311C3	55	120	29
200	6312C3	60	130	31	6312C3	60	130	31
225	6313C3	65	140	33	6313C3	65	140	33
250	6314C3	70	150	35	6314C3	70	150	35
280-2	6314C3	70	150	35	6314C3	70	150	35
280-4,6,8	6317C3	85	180	41	6317C3	85	180	41
315-2	6317C3	85	180	41	6317C3	85	180	41
315-2 V1	6317C3	85	180	41	7317B	85	180	41
315-4,6,8	6319C3	95	200	45	6319C3	95	200	45
315-4,6,8 V1	6319C3	95	200	45	7319B	95	200	45
355-2	6319C3	95	200	45	6319C3	95	200	45
355-2 V1	6319C3	95	200	45	7319B	95	200	45
355-4,6,8	NU322C3	110	240	50	6322C3	110	240	50
355-4,6,8 V1	NU322C3	110	240	50	7322B	110	240	50

OIL SEAL DATA



FRAME	DE	d	D	B	NDE	d	D	B
80	FB20*35*7	20	35	7	FB20*35*7	20	35	7
90	FB25*45*7	25	40	7	FB25*45*7	25	40	7
100	FB30*42*7	30	42	7	FB30*42*7	30	42	7
112								
132	FB40*55*8	40	55	8	FB40*55*8	40	55	8

FRAME	DE	d	D	B	NDE	d	D	B
160	RB45*62*4.5	44.7	62	6	RB45*62*4.5	44.7	62	6
180	RB55*75*5.5	54.7	75	7	RB55*75*5.5	54.7	75	7
200	RB60*80*5.5	59.7	80	7	RB60*80*5.5	59.7	80	7
225	RB65*85*5.5	64.7	85	7	RB65*85*5.5	64.7	85	7
250	RB70*90*5.5	69.7	90	7	RB70*90*5.5	69.7	90	7
280-2								
280-4,6,8	RB85*105*5.5	84.7	105	7	RB85*105*5.5	84.7	105	7
315-2								
315-4,6,8	RB95*115*5.5	94.7	115	7	RB95*115*5.5	94.7	115	7
355-2								
355-4,6,8	RB110*130*5.5	109.7	130	8	RB110*130*5.5	109.7	130	8

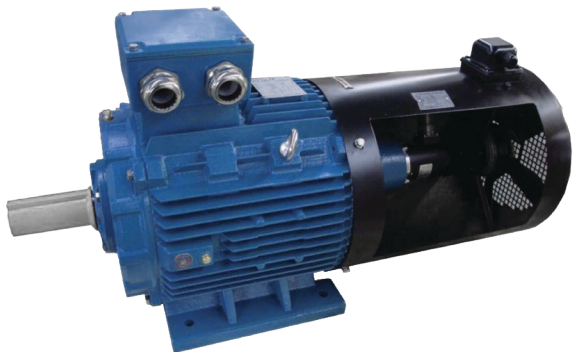
Multi-speed three-phase induction motor

Frame	H80~H280
Power	0.18~90kW
Pole	2/4, 4/6, 4/8, 6/12, 2/4/16, 4/8/24
Voltage	220~525V / 380~910V
Frequency	50Hz, 60Hz
Protection Class	IP54, IP55
Insulation Class	B, F, H
Ambient Temp.	-15°C ~ +40°C
Altitude	≤1000m



Inverter three-phase induction motor

Frame	H80~H400
Output	0.55~630kW
Pole	2, 4, 6, 8, 10
Voltage	220~525V
Frequency	5-100 Hz
Protection Class	IP54; IP55; IP56
Insulation Class	B, F, H
Ambient Temp.	-15°C ~ +40°C
Altitude	≤1000m



DC brake three-phase induction motor

Frame	H80~H225
Output	0.55~45kW
Pole	2, 4, 6, 8
Voltage	220~525V / 380~910V
Frequency	50Hz, 60Hz
Protection Class	IP55
Insulation Class	B, F, H
Ambient Temp.	-15°C ~ +40°C
Altitude	≤1000m

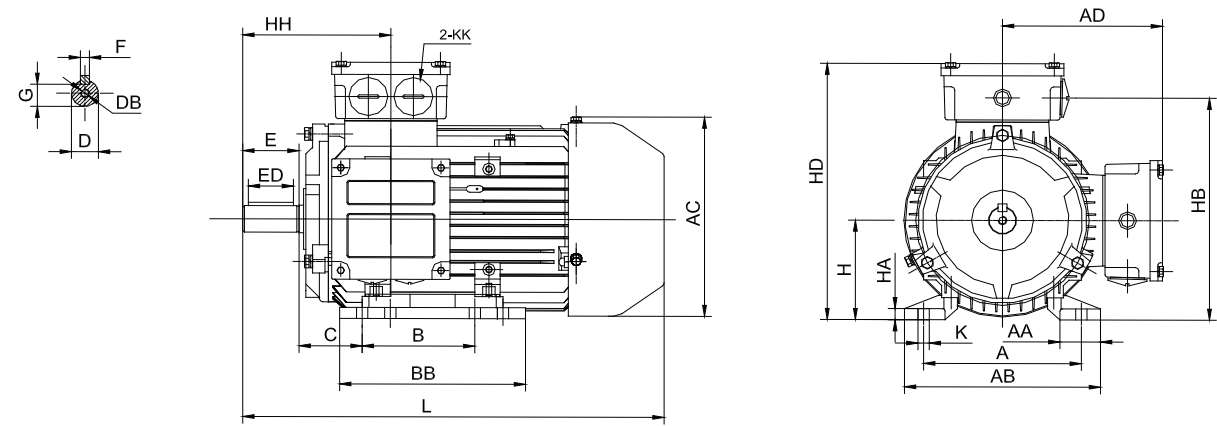
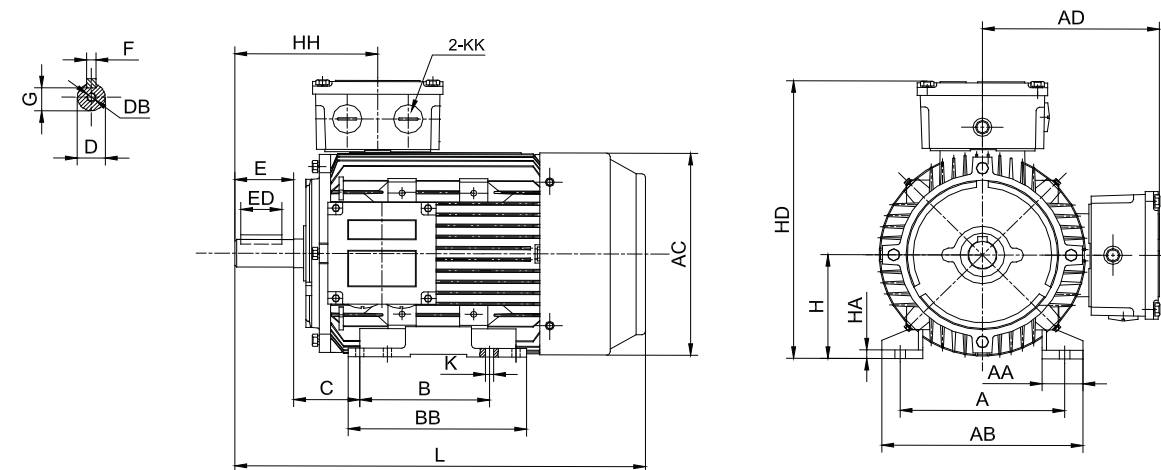


Dimensions Mount B3 (IM1001) IE1

Dimensions Mount B3 (IM1001) IE2

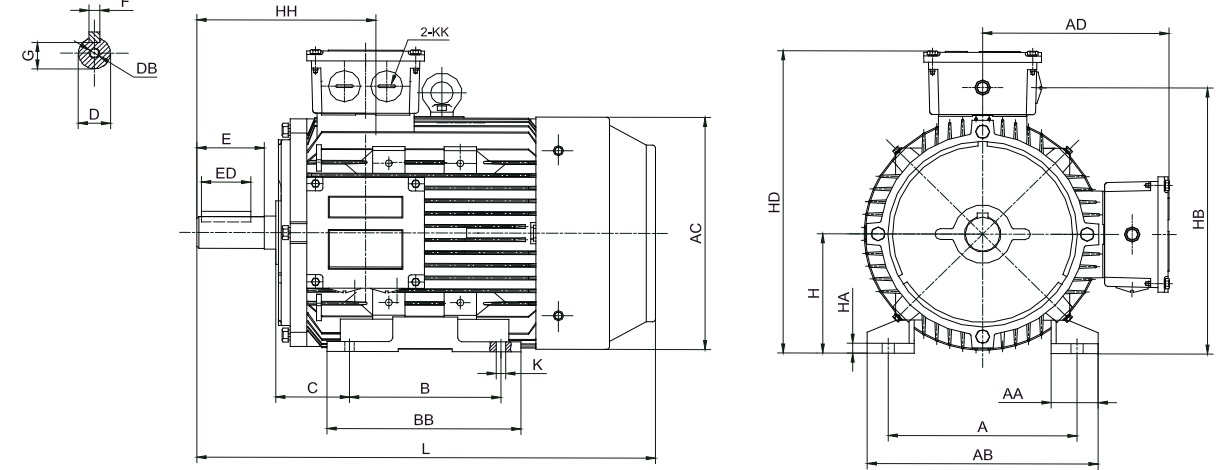
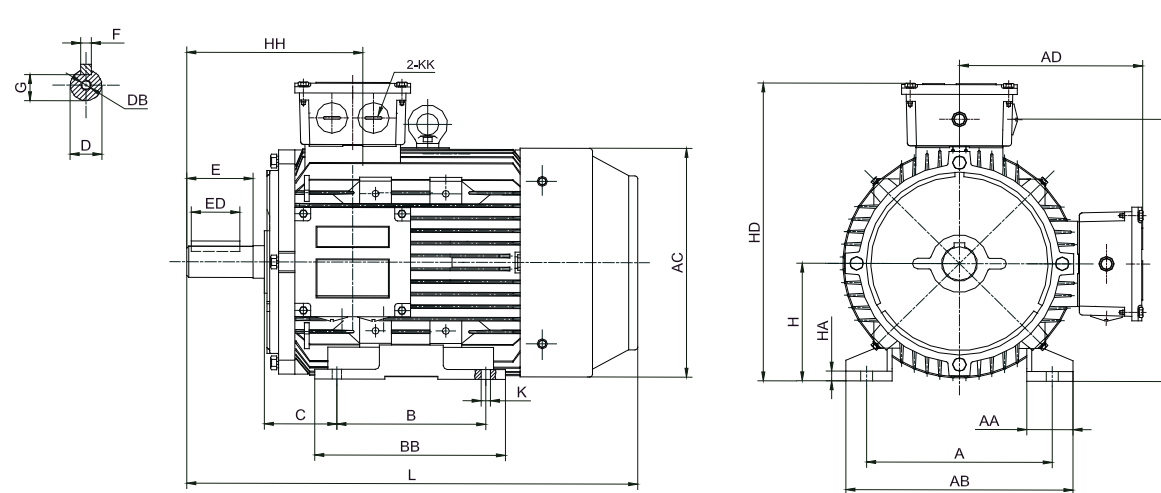
63-90

80-100



100-132

112-132



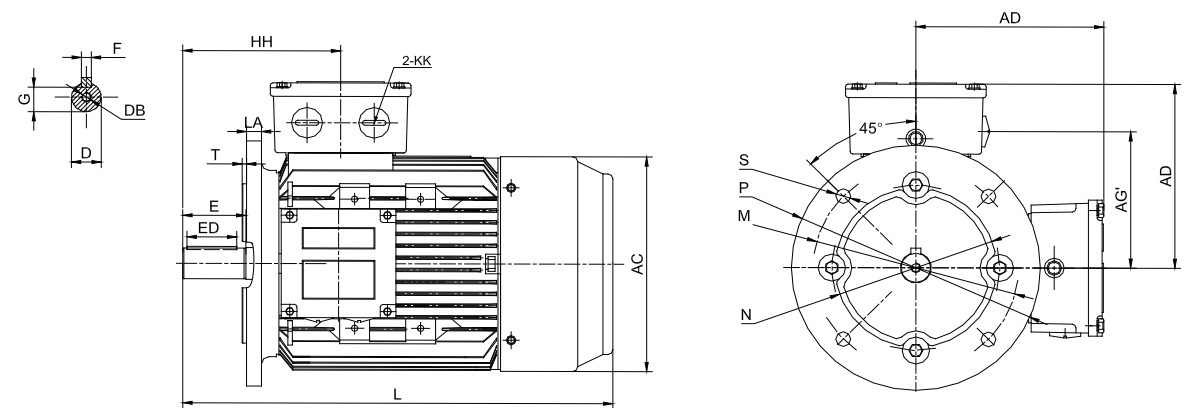
Frame	Main 1								Shaft				Main 2									
	A	AA	AB	AC	AD	B	BB	C	D	DB	E	ED	F	G	H	HA	HB	HD	HH	K	KK	L
63	100	33	121	122	120	80	103	40	11	M4X10	23	13	4	8.5	63	8	153	183	81	7	M16X1.5	223
71	112	32	139	140	114	90	106	45	14	M5X12	30	20	5	11	71	11	159	185	102	7	M16X1.5	248
80	125	29	150	157	129	100	130	50	19	M6X16	40	25	6	15.5	80	11	178	209	121.5	10	M20X1.5	291
90S	140	33	169	175	139	100	140	56	24	M8X19	50	40	8	20	90	18	198	229	131.5	10	M20X1.5	335
90L	140	33	169	175	139	125	165	56	24	M8X19	50	40	8	20	90	18	198	229	131.5	10	M20X1.5	360
100L	160	41	191	196	150	140	176	63	28	M10X22	60	45	8	24	100	13	219	250	155.5	12	M20X1.5	393
112M	190	53	222	220	173	140	180	70	28	M10X22	60	45	8	24	112	13	249	285	154.5	12	M25X1.5	403
132S	216	60	255	259	192	140	185	89	38	M12X28	80	63	10	33	132	16.5	288	324	191	12	M25X1.5	468
132M	216	60	255	259	192	178	224	89	38	M12X28	80	63	10	33	132	16.5	288	324	191	12	M25X1.5	506

Frame	Main 1								Shaft				Main 2									
	A	AA	AB	AC	AD	B	BB	C	D	DB	E	ED	F	G	H	HA	HB	HD	HH	K	KK	L
80	125	41	165	175	140	100	130	50	19	M6X16	40	25	6	15.5	80	10	189	220	121.5	10	M20X1.5	305
90S	140	36	180	195	145	100	165	56	24	M8X19	50	40	8	20	90	12	206	235	131.5	10	M20X1.5	380
90M	140	36	180	195	145	125	165	56	24	M8X19	50	40	8	20	90	12	206	235	131.5	10	M20X1.5	380
100L	160	45	205	215	160	140	180	63	28	M10X22	60	45	8	24	100	12	225	260	156	12	M20X1.5	410
112M	190	53	222	220	173	140	180	70	28	M10X22	60	45	8	24	112	13	249	285	154.5	12	M25X1.5	403
132S	216	60	255	259	192	140	185	89	38	M12X28	80	63	10	33	132	16.5	288	324	191	12	M25X1.5	468
132M	216	60	255	259	192	178	224	89	38	M12X28	80	63	10	33	132	16.5	288	324	191	12	M25X1.5	506
132S	216	60	255	259	192	140	185	89	38	M12X28	80	63	10	33	132	16.5	288	324	191	12	M25X1.5	468
132M	216	60	255	259	192	178	224	89	38	M12X28	80	63	10	33	132	16.5	288	324	191	12	M25X1.5	506

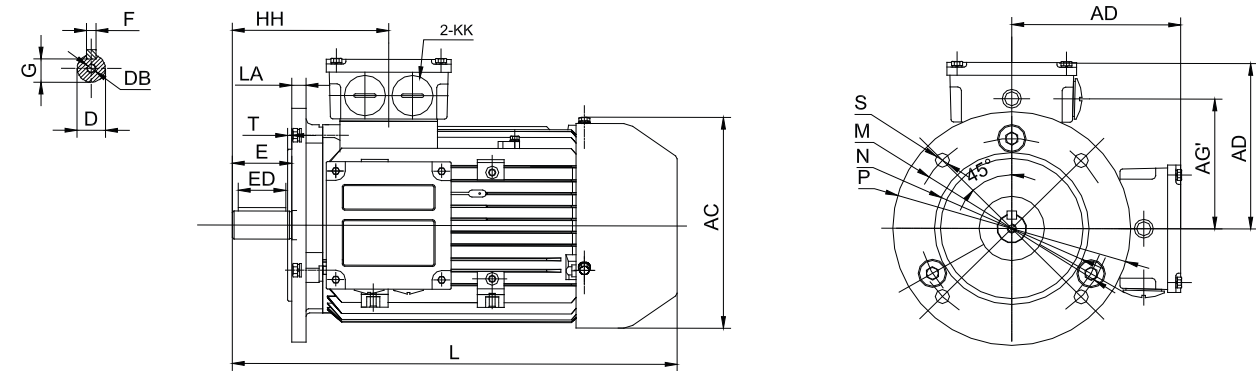
Dimensions Mount B5 (IM3001) & V1(IM3011) IE1

Dimensions Mount B5 (IM3001) & V1(IM3011) IE2

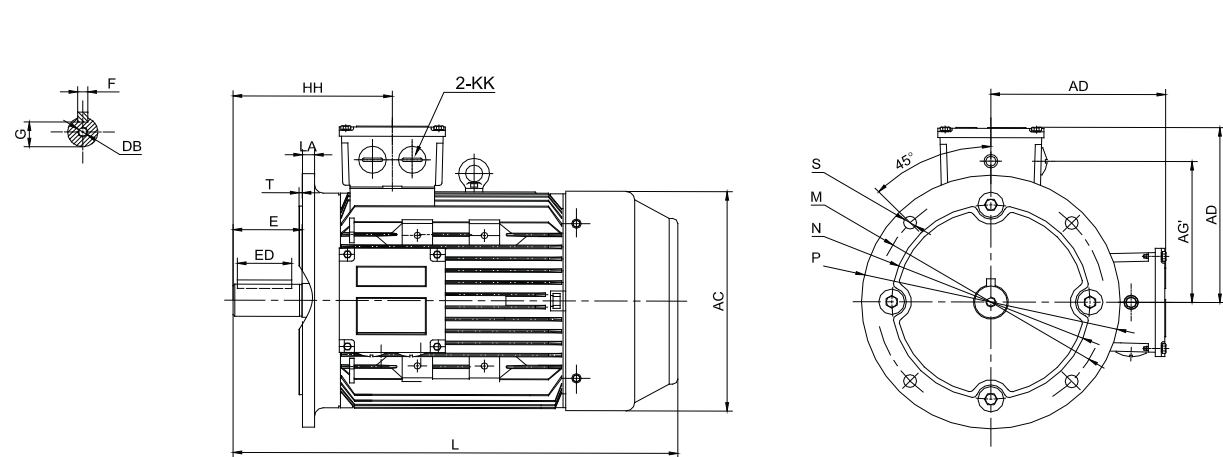
63-90



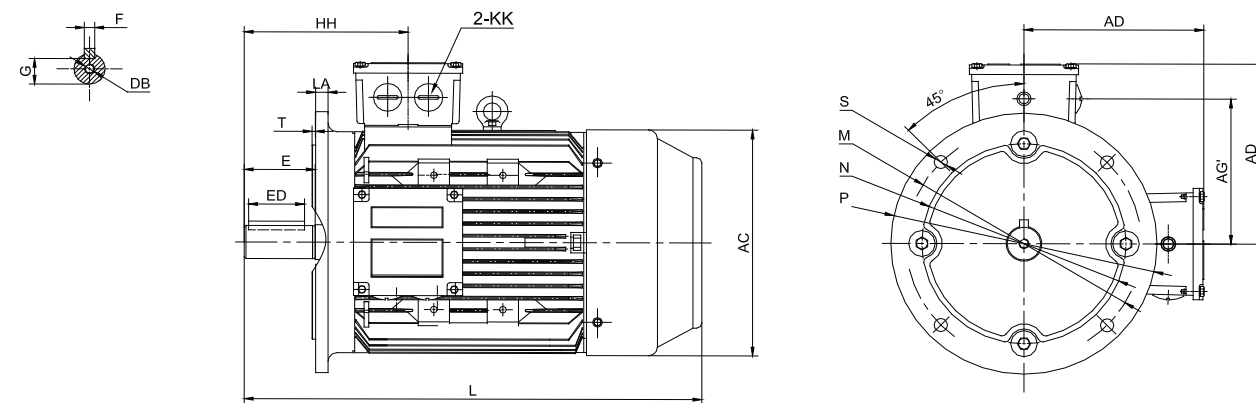
80-100



100-132



112-132

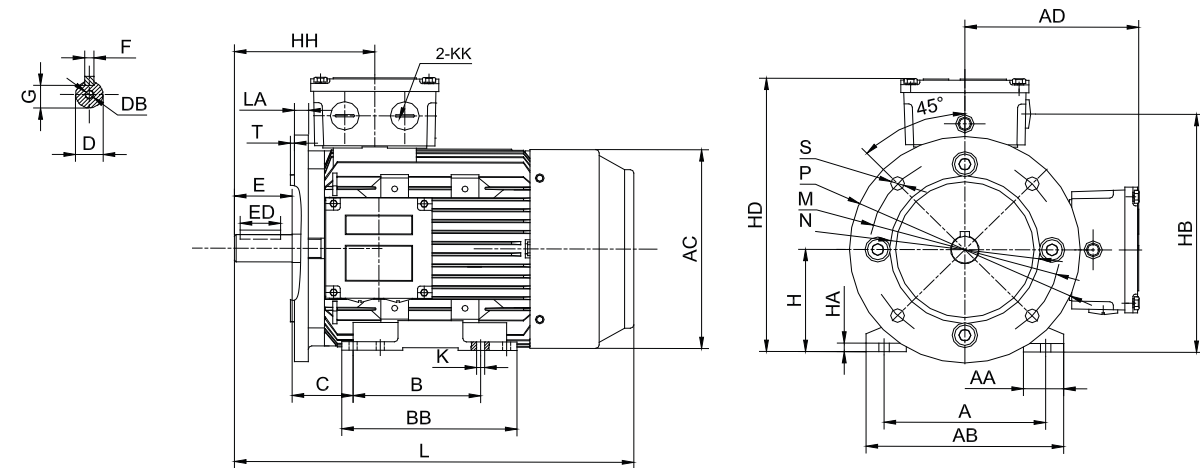


Frame	Main 1			Shaft						Main 2				B5				
	AC	AD	AG	D	DB	E	ED	F	G	HH	KK	L	LA	M	N	P	S	T
63	122	120	90	11	M4X10	23	12	4	8.5	81	M16X1.5	223	9	115	95	140	4-10	3
71	140	114	88	14	M5X12	30	20	5	11	102	M16X1.5	248	12	130	110	160	4-10	3.5
80	157	129	98	19	M6X16	40	25	6	15.5	121.5	M20X1.5	291	12	165	130	200	4-12	3.5
90S	175	139	108	24	M8X19	50	40	8	20	131.5	M20X1.5	335	12	165	130	200	4-12	3.5
90M	175	139	108	24	M8X19	50	40	8	20	131.5	M20X1.5	360	12	165	130	200	4-12	3.5
100L	196	150	119	28	M10X22	60	45	8	24	155.5	M20X1.5	393	12	215	180	250	4-15	4
112M	220	173	137	28	M10X22	60	45	8	24	154.5	M25X1.5	403	12	215	180	250	4-15	4
132S	259	192	156	38	M12X28	80	63	10	33	191	M25X1.5	468	14	265	230	300	4-15	4
132M	259	192	156	38	M12X28	80	63	10	33	191	M25X1.5	506	14	265	230	300	4-15	4

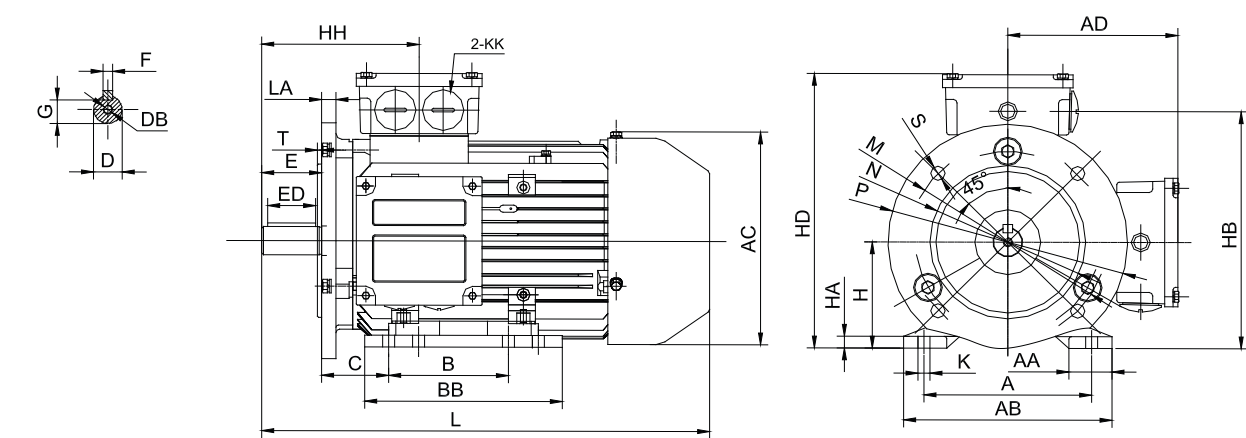
Frame	Main 1			Shaft						Main 2				B5				
	AC	AD	AG	D	DB	E	ED	F	G	HH	KK	L	LA	M	N	P	S	T
80	175	140	109	19	M6X16	40	25	6	15.5	121.5	M20X1.5	305	12	165	130	200	4-12	3.5
90S	195	145	116	24	M8X19	50	40	8	20	131.5	M20X1.5	380	12	165	130	200	4-12	3.5
90M	195	145	116	24	M8X19	50	40	8	20	131.5	M20X1.5	380	12	165	130	200	4-12	3.5
100L	215	160	125	28	M10X22	60	45	8	24	155.5	M20X1.5	410	12	215	180	250	4-15	4
112M	220	173	137	28	M10X22	60	45	8	24	154.5	M25X1.5	403	12	215	180	250	4-15	4
132S	259	192	156	38	M12X28	80	63	10	33	191	M25X1.5	468	14	265	230	300	4-15	4
132M	259	192	156	38	M12X28	80	63	10	33	191	M25X1.5	506	14	265	230	300	4-15	4

Dimensions Mount B35 (IM2001) IE1

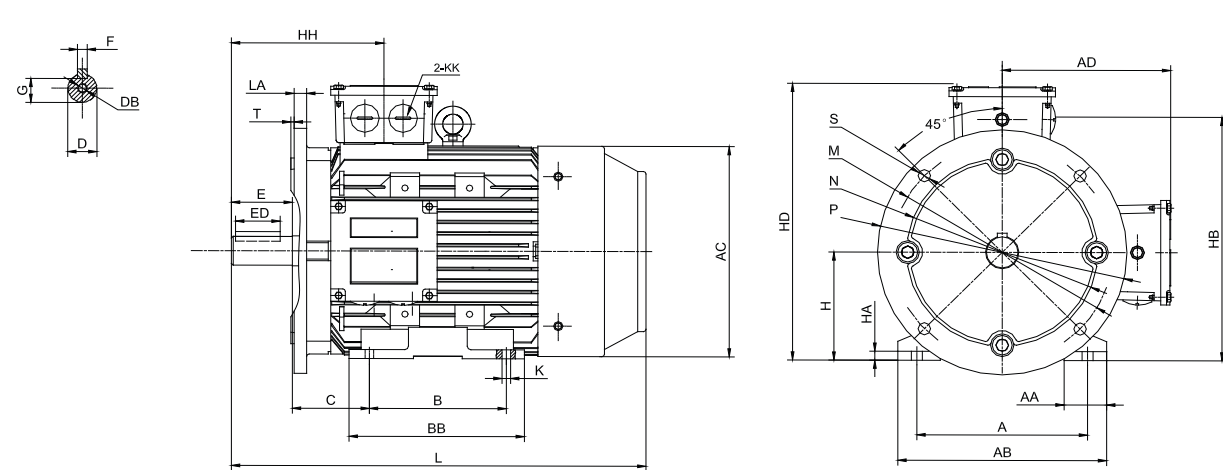
63-90



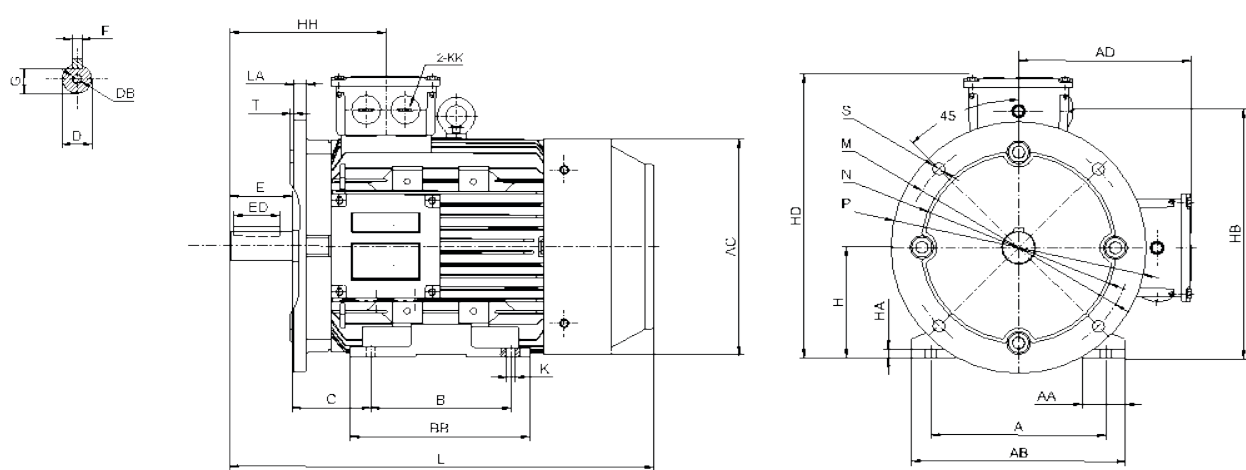
80-100



100-132



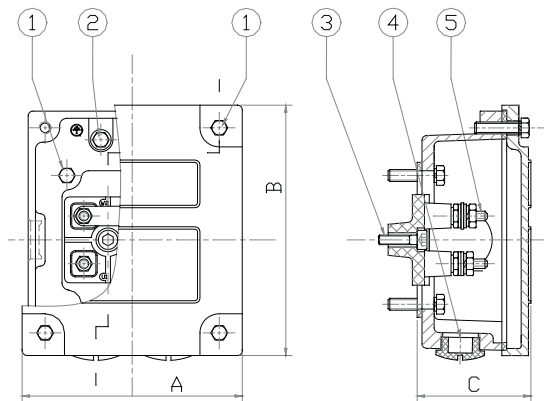
112-132



Frame	Main 1								Shaft						Main 2								B35					
	A	AA	AB	AC	AD	B	BB	C	D	DB	E	ED	F	G	H	HA	HB	HD	HH	K	KK	L	LA	M	N	P	S	T
80	125	41	165	175	140	100	130	50	19	M6X16	40	25	6	15.5	80	10	189	220	121.5	10	M20X1.5	305	9	115	95	140	4-10	3
90S	140	36	180	195	145	100	165	56	24	M8X19	50	40	8	20	90	12	206	235	131.5	10	M20X1.5	380	12	130	110	160	4-10	3.5
90M	140	36	180	195	145	125	165	56	24	M8X19	50	40	8	20	90	12	206	235	131.5	10	M20X1.5	380	12	165	130	200	4-12	3.5
100L	160	45	205	215	160	140	180	63	28	M10X22	60	45	8	24	100	12	225	260	156	12	M20X1.5	410	12	165	130	200	4-12	3.5
112M	190	53	222	220	173	140	180	70	28	M10X22	60	45	8	24	112	13	249	285	154.5	12	M25X1.5	403	12	165	130	200	4-12	3.5
132S	216	60	255	259	192	140	185	89	38	M12X28	80	63	10	33	132	16.5	288	324	191	12	M25X1.5	468	12	215	180	250	4-15	4
132M	216	60	255	259	192	178	224	89	38	M12X28	80	63	10	33	132	16.5	288	324	191	12	M25X1.5	506	12	215	180	250	4-15	4
132S	216	60	255	259	192	140	185	89	38	M12X28	80	63	10	33	132	16.5	288	324	191	12	M25X1.5	468	14	265	230	300	4-15	4
132M	216	60	255	259	192	178	224	89	38	M12X28	80	63	10	33	132	16.5	288	324	191	12	M25X1.5	506	14	265	230	300	4-15	4

Frame	Main 1								Shaft						Main 2								B35					
	A	AA	AB	AC	AD	B	BB	C	D	DB	E	ED	F	G	H	HA	HB	HD	HH	K	KK	L	LA	M	N	P	S	T
80	125	41	165	175	140	100	130	50	19	M6X16	40	25	6	15.5	80	10	189	220	121.5	10	M20X1.5	305	12	165	130	200	4-12	3.5
90S	140	36	180	195	145	100	165	56	24	M8X19	50	40	8	20	90	12	206	235	131.5	10	M20X1.5	380	12	165	130	200	4-12	3.5
90M	140	36	180	195	145	125	165	56	24	M8X19	50	40	8	20	90	12	206	235	131.5	10	M20X1.5	380	12	165	130	200	4-12	3.5
100L	160	45	205	215	160	140	180	63	28	M10X22	60	45	8	24	100	12	225	260	156	12	M20X1.5	410	12	215	180	250	4-15	4
112M	190	53	222	220	173	140	180	70	28	M10X22	60	45	8	24	112	13	249	285	154.5	12	M25X1.5	403	12	215	180	250	4-15	4
132S	216	60	255	259	192	140	185	89	38	M12X28	80	63	10	33	132	16.5	288	324	191	12	M25X1.5	468	14	265	230	300	4-15	4
132M	216	60	255	259	192	178	224	89	38	M12X28	80	63	10	33	132	16.5	288	324	191	12	M25X1.5	506	14	265	230	300	4-15	4
132S	216	60	255	259	192	140	185	89	38	M12X28	80	63	10	33	132	16.5	288	324	191	12	M25X1.5	468	14	265	230	300	4-15	4
132M	216	60	255	259	192	178	224	89	38	M12X28	80	63	10	33	132	16.5	288	324	191	12	M25X1.5	506	14	265	230	300	4-15	4

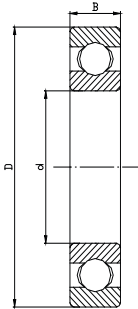
Series Terminal Box



FRAME	A	B	C	1	2	3	4	5
63	91	105	47	M5X16	M5X12	M5X14	2-M16X1.5	M4
71	91	105	47	M5X16	M5X12	M4X20	2-M16X1.5	M4
80	105	109	54	M5X16	M5X12	M5X20	2-M20X1.5	M4
90-100	105	109	54	M5X16	M5X12	M5X25	2-M20X1.5	M4
112-132	123	131	64	M5X16	M5X12	M5X25	2-M25X1.5	M5

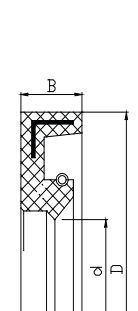
Aluminium Bearing & Oil Seal

Bearing



FRAME	DE	d	D	B	NDE	d	D	B
63	6201-2Z/C3	12	32	10	6201-2Z/C3	12	32	10
71	6202-2Z/C3	15	35	11	6202-2Z/C3	15	35	11
80	6204-2Z/C3	20	47	14	6204-2Z/C3	20	47	14
90	6205-2Z/C3	25	52	15	6205-2Z/C3	25	52	15
100	6206-2Z/C3	30	62	16	6206-2Z/C3	30	62	16
112	6206-2Z/C3	30	62	16	6206-2Z/C3	30	62	16
132	6208-2Z/C3	40	80	18	6208-2Z/C3	40	80	18

Bearing



FRAME	DE				NDE	
	d	D	B	d	D	B
63	12	24	5	12	24	5
71	15	25	5	15	25	5
80	20	35	5	20	35	5
90	25	40	5	25	40	5
100	30	52	7	30	52	7
112	30	52	7	30	52	7
132	40	55	8	40	55	8

Warranty Standard

Warranty Period	The warranty period shall be 18 months from the date of shipment from the factory or 12 months from the start date of operation of the product, whichever is shorter (this shall apply only to new products).
Warranty Condition	In the event that the Product fails during the Warranty Period when it is properly installed and combined with other equipment, maintained as specified in the maintenance manual, and properly operated as specified in the catalog or as otherwise agreed upon, the Seller will provide, at its sole discretion, appropriate repair or replacement of the Product free of charge, except as stipulated in the “Warranty Exclusions” as described below. However, if the Product is combined with other equipment, the Seller shall not indemnify the Buyer from any costs of removal or reinstallation of the Product from or to the appropriate equipment, or other incidental costs (such as construction cost and cost of transportation) related thereto, any lost opportunity, any profit loss or other consequential damages incurred by the Buyer.
Warranty Exclusions	Notwithstanding the above warranty, the following shall be warranty exclusions: - Any failure attributable to improper installation of the Product or improper combination with other equipment - Any failure that may occur due to the cause that the Product is maintained in an insufficient manner and handled in an incorrect manner (for example, if it is not stored as specified in the storage procedure manual established by the Seller) - Any failure attributable to any operation not conforming to the specification, or any other operation conditions or state unknowable to the Seller, or any failure attributable to use of a lubricant other than the Seller-recommended ones - Any failure attributable to a problem or special specification of the equipment with which the Buyer combined the Product - Any failure attributable to a modification or restructuring made, by the Buyer, to the Product - Any failure attributable to a problem of a component or part supplied from or designated by the Buyer - Any failure attributable to an earthquake, fire, flood, salt damage, gaseous damage, lightning strike, or any other reasons beyond the control of the Seller - Warranty concerning a naturally worn and torn , abraded, or degraded consumable part (such as a bearing or oil seal) that may result after normal use of the Product - Any failure that is caused for any of the other reasons not attributable to the responsibilities of the Seller



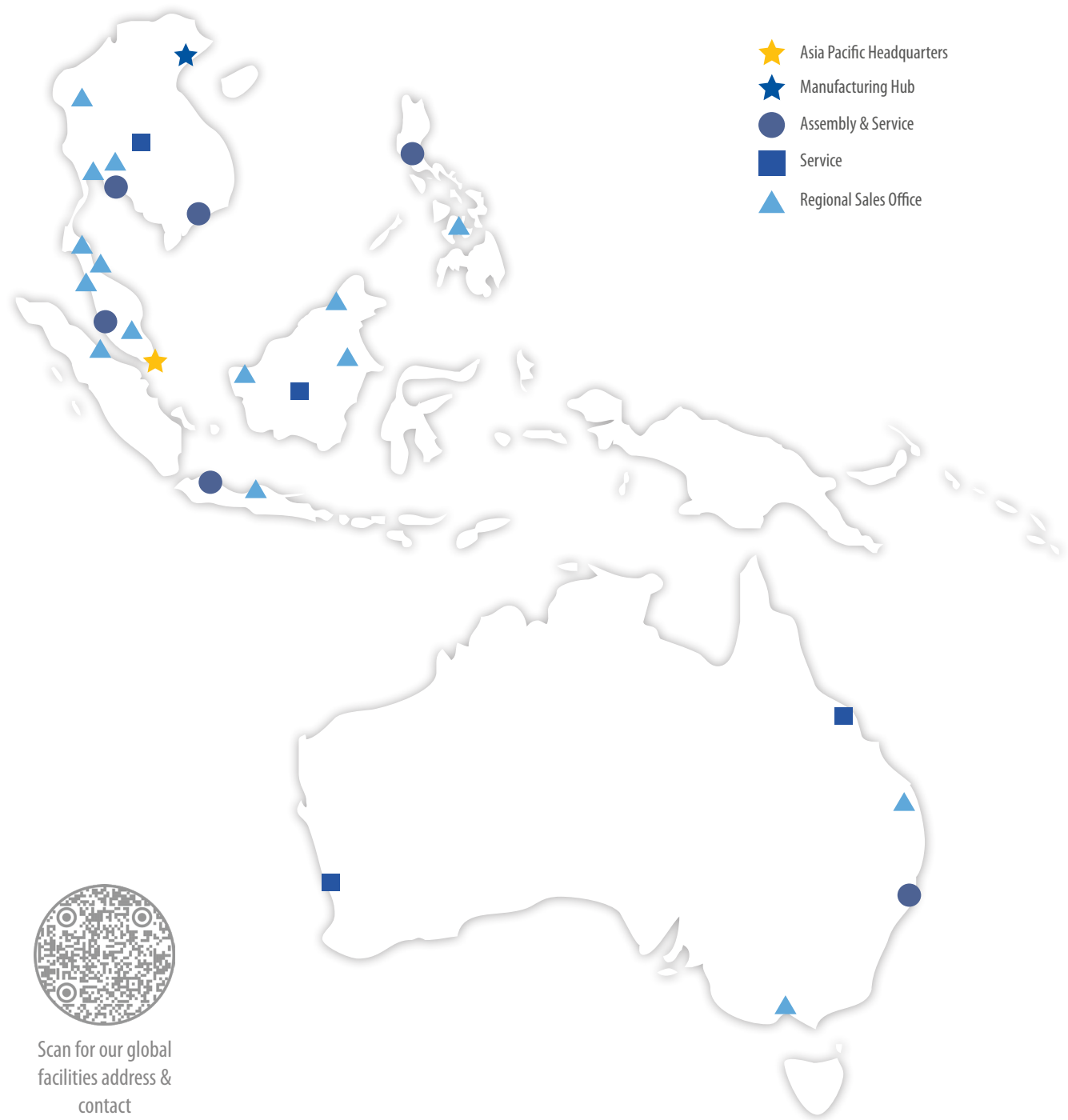
SAFETY PRECAUTIONS

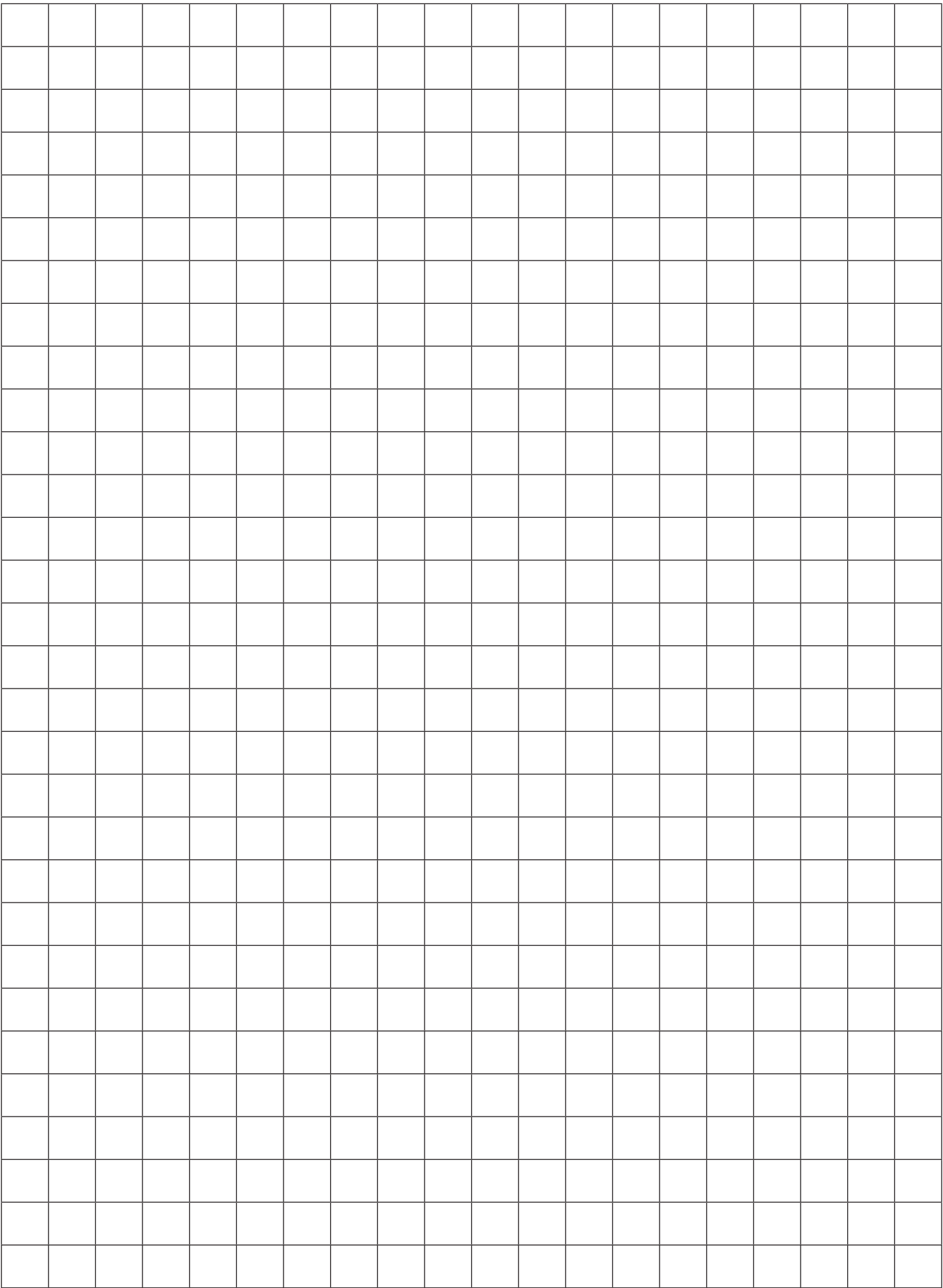
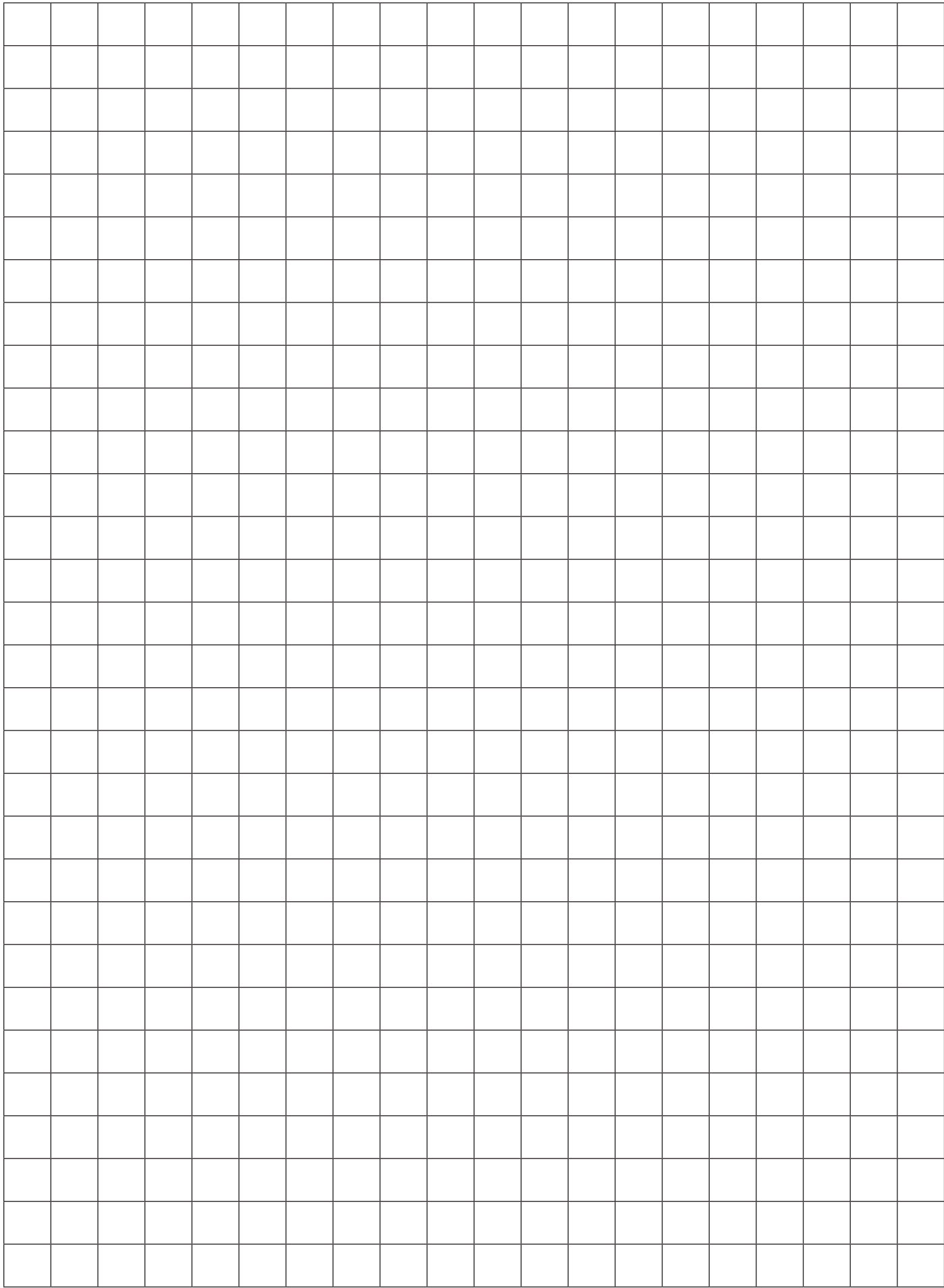
- Strictly Observe the safety rules required for the installation site and the equipment used, including the Industrial Safety and Health Law, Technical Standard for Electric Facilities, Extension Rules, Plant Explosion guidelines, and Building Standards Law.
- Read the maintenance manual before use. Request one from the distributor or our sales department to send it, if it is not handy. The maintenance manual must reach every end user of the product.
- Select an appropriate product matching the operating environment and your application.
- If you are using the product for any equipment that may cause severe personal injury or severe loss of the facilities when it fails (e.g., transporting or elevating system for personnel), install a protection device on the equipment for the safety purpose.
- In an explosive atmosphere, use an explosion proof motor that has a specification adaptable to use in hazardous locations.
- If the motor is being driven with a 400V Class inverter, install a suppression alter or reactor on the inverter, or use an insulation enhanced motor.
- When a 400V Class standard motor is being inverter driven, a high carrier frequency type (e.g., IGBT) inverter with high input voltage or, for long wiring distance, insulation for surge voltage must be considered. Consult us for details. (The inverter motors are of insulation-enhanced type.)
- Specifically for oil-sensitive applications such as food processing and clean room, install an oil pan or other devices to prevent oil or grease leakage, which may occur due to failure or termination of service life.

CAUTIONS ON APPLICATION OF SPECIAL MOTORS

- Explosion proof motor: No increased safety motor can be inverter driven. If you need to inverter drive an explosion proof motor, you have to use a flameproof motor for combination. Consult us for details.
- Motor with brake: An independent power source for the brake must be provided. This power source must always be connected to the primary of the inverter, and the inverter output must be shut off during actuation of the brake. The motor depending on the brake type may rattle in the low-speed area due to running.

Our extensive SEA and Australia network offers customers a wide regional support network. From inventory distribution to manufacturing to assembly, we have the team to ensure high quality, responsiveness, on-time delivery, and quick lead times.





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