

RANGE OF PRODUCTS

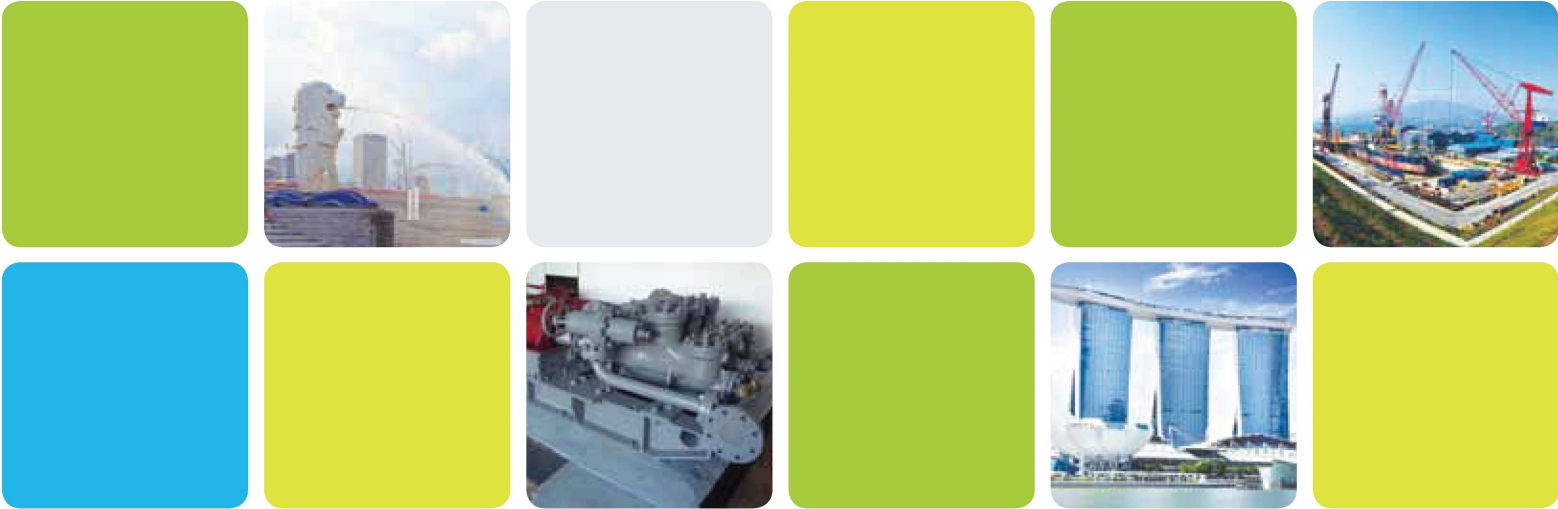
- Three phase asynchronous squirrel-cage & slip ring induction motors
- Three phase asynchronous self-braking motors
- Hollow shaft rotor motors
- Cooling tower motors
- High Efficiency motors, (IE2) (IE3)
- Explosion-proof & increased safety motors
- Anchor winch motors
- High temperature resistant motors
- Geared motors

MOTORS CAN BE CUSTOMIZED IN ACCORDANCE TO CUSTOMERS' MECHANICAL & ELECTRICAL REQUIREMENTS:

1. IP56
2. IP65
3. IP66
4. Class H Insulation
5. Multi-speed
6. Special paint finish
7. Corrosion proof
8. Special voltage/frequency (Hz)
9. PTC thermistor for heater thermal protection
10. Anti-Condensation Heater
11. Sun Canopy
12. TENV/TEAO Motors
13. Class H / High Temp Motors
14. VSD Motors
15. Double Ended Shaft

Note: The technical data in this catalogue only for reference. Continuous development of our products entitles us to change the specification without notice. If any doubts, please contact with us.

Distributor:



SWE SERIES (IE3)

THREE PHASE PREMIUM EFFICIENCY ASYNCHRONOUS MOTORS



WONDER ELECTRIC MOTOR (S) PTE LTD

- **Energy Saving**
- **Low Noise**
- **Environmental Friendly**
- **IEC Dimension**
- **Low Vibration**
- **European Design**



SWE SERIES (IE3)

THREE PHASE PREMIUM EFFICIENCY
ASYNCHRONOUS MOTORS



SWE series three phase asynchronous motor is premium efficiency electric motors with cast iron housing. Its efficiency indicators are in line with IE3.

Characteristics for all WONDER standard 3-Phase asynchronous motors

- Widely applied in general machinery and industries such as pumps & water treatment, road machinery, petroleum, chemical, metallurgy, cement and paper milling.
- IP55 protection, Class F insulation, B Temperature rise, S1 duty
- Rated voltage 400V, Rated frequency 50Hz
- Operation conditions: ambient temperature:-20°C ~ 40°C, altitude ≤ 1000m
- Y-connection for motors up to 3KW and Δ-connection for 4KW and above
- Cooling method is Ic411

Types	Basic type of construction		Derived types of construction			
SWE80-355	IM B3 IM 1001	IM V5 IM 1011	IM V6 IM 1031	IM B6 IM 1051	IM B7 IM 1061	IM B8 IM 1071
SWE80-355	IM B35 Im2001	IM V15 IM 2011	IM V36 IM 2031	IM 2051	IM 2061	IM 2071
SWE80-355	IM B5 IM 3001	IM V1 IM 3011	IM V6 IM 3031			
SWE80-132	IM B34 IM 2101	IM 2111	IM 2131	IM 2151	IM 2161	IM 2171
SWE80-132	IM B14 IM 3601	IM V18 IM 3611	IM V19 IM 3631			

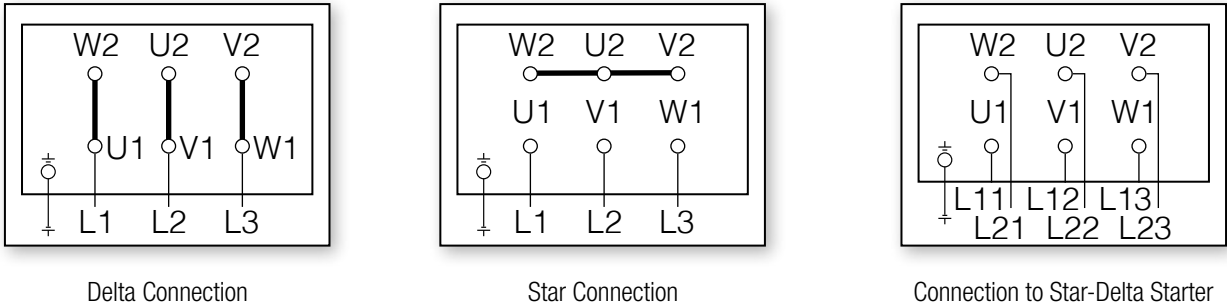
Basic types of construction may be used in all derived types of construction.

(*) not-defined mounting by IEC 60034-7.

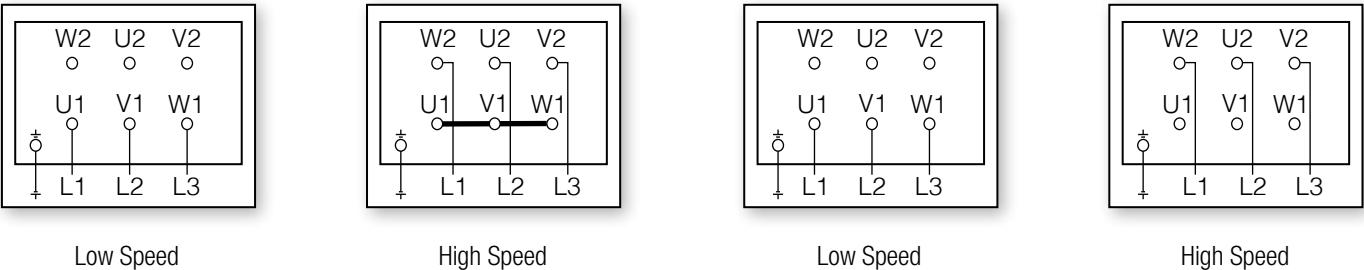
1) For the types of construction IM V6, IM B6, IM B8 inquiry is necessary.

CONNECTION DIAGRAM AND PROTECTION

Connection Diagrams (Three Phase Motors with Cage Rotor)



Multi-speed motors in Dahlander connection (Tapped winding)



Multi-speed motors with 2 separate windings

All motors comply to the international standard IEC60034-30; 2008. This standard specifies the Degree of Protection of each electric equipment, commonly known as the “IP” code. See table below:

Designation of Protection (IEC60034-5)

Designation	First Numeral	Second Numeral
	Protection against contact and ingress of foreign bodies Protection against hazardous “Live” Parts and moving mechanical parts.	Protection against water
	5. Ingress of dust is not totally prevented, but dust shall not interfere with the satisfactory operation of equipment. A probe of 1mm diameter shall not penetrate the enclosure.	5. Water projected in jets against the enclosure from any direction will have no harmful effects.
	6. No ingress of dust.	6. Water projected in power jets shall have no harmful effects.
IP55	Dust protected	Jetting water
IP56	Dust protected	Powerful jetting
IP65	Dust tight	Jetting water
IP66	Dust tight	Powerful jetting

SWE PREMIUM EFFICIENCY CAST IRON MOTORS

TECHNICAL SPECIFICATIONS

Output		IEC Frame	Rated Speed (rpm)	Full Load Current In(A)			Efficiency η%	Power Factor COSφ	Locked Rotor Current IL/In	Locked Rotor Torque TL/Tn	Break-Down Torque Tb/Tn	Sound LP dB (A)	Moment of Inertia J(kgm²)	Weight (kg)
KW	HP			380V	400V	415V	100	100						
3000 RPM (2 Poles) - 50Hz														
0.75	1	80M1	2875	1.70	1.62	1.56	80.7	0.83	6.5	3.6	4.0	60	0.0011	17
1.1	1.5	80M2	2875	2.41	2.29	2.20	82.7	0.84	6.6	3.7	3.9	60	0.0013	18
1.5	2	90S	2890	3.18	3.03	2.92	84.2	0.85	6.6	2.1	2.9	60	0.0018	23
2.2	3	90L	2890	4.47	4.25	4.10	85.9	0.87	7.0	2.3	2.9	59	0.0022	26
3	4	100L	2895	6.02	5.71	5.51	87.1	0.87	8.0	2.5	4.0	63	0.0042	34
4	5.5	112M	2920	7.84	7.45	7.18	88.1	0.88	6.9	2.2	3.0	63	0.0065	41
5.5	7.5	132S1	2920	10.5	10.0	9.64	89.2	0.89	8.2	2.2	3.5	66	0.0145	60
7.5	10	132S2	2920	14.2	13.5	13.0	90.1	0.89	8.3	2.3	3.4	66	0.0156	63
11	15	160M1	2940	20.6	19.6	18.9	91.2	0.89	7.6	2.7	3.0	69	0.066	120
15	20	160M2	2940	27.6	26.2	25.2	91.9	0.90	7.6	2.7	3.0	69	0.068	130
18.5	25	160L	2945	34.2	32.5	31.3	92.4	0.89	7.6	2.7	3.0	69	0.076	150
22	30	180M	2955	40.1	38.1	36.7	92.7	0.90	7.6	2.6	3.2	69	0.173	185
30	40	200L1	2960	54.9	52.1	50.3	93.3	0.89	7.6	2.3	3.4	75	0.193	245
37	50	200L2	2960	66.7	63.3	61.0	93.7	0.90	8.5	3.0	3.8	75	0.203	275
45	60	225M	2965	79.9	75.9	73.2	94.0	0.91	8.5	2.8	3.9	75	0.411	345
55	75	250M	2975	101	95.7	92.2	94.3	0.88	8.0	2.6	3.9	81	0.435	450
75	100	280S	2975	132	126	121	94.7	0.91	8.5	2.8	3.9	80	0.743	540
90	125	280M	2975	156	149	143	95.0	0.92	6.5	2.1	2.9	80	0.823	575
110	150	315S	2980	197	187	181	95.2	0.89	7.5	2.2	3.6	80	1.64	1010
132	175	315M	2980	234	222	214	95.4	0.90	7.5	2.2	3.3	80	1.78	1070
160	215	315L1	2980	283	268	259	95.6	0.90	8.0	2.5	3.2	82	1.97	1210
200	270	315L2	2980	352	335	323	95.8	0.90	8.0	2.5	3.3	83	2.31	1285
250	335	355M	2980	431	409	395	95.8	0.92	6.5	1.9	2.6	83	3.90	1798
280	375	355L1	2980	483	459	442	95.8	0.92	7.6	1.8	2.6	82	4.01	1885
315	420	355L2	2980	543	516	497	95.8	0.92	7.5	1.8	2.5	82	4.03	1960

Premium efficiency motors IEC60034-30, IE3 code
Efficiency testing method IEC 60034-2-1;2007



SWE PREMIUM EFFICIENCY CAST IRON MOTORS

TECHNICAL SPECIFICATIONS

Output		IEC Frame	Rated Speed (rpm)	Full Load Current In(A)			Efficiency η%	Power Factor COSφ	Locked Rotor Current IL/In	Locked Rotor Torque TL/Tn	Break-Down Torque Tb/Tn	Sound LP dB (A)	Moment of Inertia J(kgm²)	Weight (kg)
KW	HP			380V	400V	415V	100	100						
1500 RPM (4 Poles) - 50Hz														
0.55	0.75	80M1	1430	1.40	1.33	1.28	80.8	0.74	5.5	2.2	2.4	46	0.00148	18
0.75	1	80M2	1430	1.87	1.77	1.71	82.5	0.74	5.4	2.5	2.7	47	0.0016	19
1.1	1.5	90S	1445	2.55	2.42	2.33	84.1	0.78	5.4	2.2	2.6	49	0.00232	23
1.5	2	90L	1445	3.43	3.25	3.14	85.3	0.78	5.4	2.2	2.5	51	0.00315	29
2.2	3	100L1	1445	4.88	4.64	4.47	86.7	0.79	6.8	3.0	3.2	51	0.0079	35
3	4	100L2	1445	6.42	6.10	5.88	87.7	0.81	6.5	2.9	2.9	51	0.00865	39
4	5.5	112M	1455	8.37	7.95	7.66	88.6	0.82	7.1	2.7	2.8	55	0.0185	45
5.5	7.5	132S	1465	11.5	10.9	10.5	89.6	0.81	7.3	2.4	2.9	55	0.0331	62
7.5	10	132M	1465	15.4	14.6	14.1	90.4	0.82	7.5	2.6	2.8	55	0.0412	74
11	15	160M	1465	21.5	20.4	19.7	91.4	0.85	7.1	2.9	3.1	60	0.108	124
15	20	160L	1470	28.8	27.3	26.3	92.1	0.86	7.6	3.0	3.1	60	0.109	145
18.5	25	180M	1475	35.3	33.5	32.3	92.6	0.86	7.6	2.5	3.0	65	0.159	195
22	30	180L	1475	41.8	39.7	38.3	93.0	0.86	8.0	2.8	3.2	66	0.193	215
30	40	200L	1475	56.0	53.2	51.3	93.6	0.87	8.0	2.7	3.4	70	0.311	265
37	50	225S	1480	68.8	65.4	63.0	93.9	0.87	7.5	2.5	2.9	70	0.612	320
45	60	225M	1480	84.4	80.2	77.3	94.2	0.86	8.5	2.6	2.8	70	0.679	350
55	75	250M	1480	101	96.0	92.5	94.6	0.87	8.0	2.4	3.0	68	0.841	457
75	100	280S	1485	139	133	128	95.0	0.86	7.4	2.3	2.9	68	1.53	590
90	125	280M	1485	165	157	151	95.2	0.87	7.4	2.4	3.0	68	1.77	654
110	150	315S	1485	201	191	184	95.4	0.87	8.0	2.6	3.5	68	4.01	1060
132	175	315M	1485	241	229	221	95.6	0.87	7.8	2.7	3.4	70	3.74	1120
160	215	315L1	1485	285	271	261	95.8	0.89	7.0	2.3	3.0	70	7.56	1200
200	270	315L2	1485	356	338	326	96.0	0.89	7.0	2.4	3.0	70	5.16	1295
250	335	355M	1490	440	418	403	96.0	0.90	7.2	2.4	2.3	80	8.03	1820
280	375	355L1	1490	492	468	451	96.0	0.90	7.3	2.4	2.3	78	8.76	1869
315	420	355L2	1490	554	526	507	96.0	0.90	7.3	2.4	2.3	78	9.56	2000

Premium efficiency motors IEC60034-30, IE3 code
Efficiency testing method IEC 60034-2-1;2007



SWE PREMIUM EFFICIENCY CAST IRON MOTORS

TECHNICAL SPECIFICATIONS

Output		IEC Frame	Rated Speed (rpm)	Full Load Current In(A)			Efficiency η%	Power Factor COSφ	Locked Rotor Current IL/In	Locked Rotor Torque TL/Tn	Break-Down Torque Tb/Tn	Sound LP dB (A)	Moment of Inertia J(kgm²)	Weight (kg)
KW	HP			380V	400V	415V	100	100						
1000 RPM (6 Poles) - 50Hz														
0.37	0.5	80M1	925	1.09	1.04	1.00	73.5	0.70	6.7	2.1	2.2	44	0.00194	18
0.55	0.75	80M2	930	1.55	1.47	1.42	77.2	0.70	6.7	2.2	2.3	45	0.00231	20
0.75	1	90S	940	2.01	1.91	1.84	78.9	0.72	7.5	2.2	2.2	45	0.00321	24
1.1	1.5	90L	940	2.83	2.69	2.59	81.0	0.73	7.7	2.5	2.6	45	0.00412	26
1.5	2	100L	945	3.73	3.55	3.42	82.5	0.74	7.0	2.8	2.9	46	0.00845	34
2.2	3	112M	955	5.22	4.96	4.78	84.3	0.76	7.2	2.2	2.8	46	0.01326	40
3	4	132S	965	6.92	6.57	6.33	85.6	0.77	7.5	2.2	2.5	50	0.03716	57
4	5.5	132M1	965	8.98	8.53	8.22	86.8	0.78	7.2	2.7	2.8	50	0.04889	73
5.5	7.5	132M2	965	12.2	11.6	11.1	88.0	0.78	7.4	2.8	2.9	53	0.05845	77
7.5	10	160M	970	16.8	16.0	15.4	89.1	0.76	7.0	2.5	2.8	56	0.22	115
11	15	160L	975	24.7	23.4	22.6	90.3	0.75	7.0	3.0	3.1	56	0.16	136
15	20	180L	980	31.6	30.1	29.0	91.2	0.79	8.5	3.0	3.4	59	0.37	197
18.5	25	200L1	980	38.3	36.4	35.1	91.7	0.80	7.4	2.8	2.9	59	0.38	226
22	30	200L2	980	45.3	43.1	41.5	92.2	0.80	7.0	2.5	2.6	59	0.44	246
30	40	225M	985	58.4	55.5	53.5	92.9	0.84	7.0	2.2	2.3	59	0.73	314
37	50	250M	985	71.7	68.1	65.7	93.3	0.84	8.0	2.8	3.4	59	0.11	440
45	60	280S	990	85.8	81.6	78.6	93.7	0.85	8.0	2.8	3.3	60	1.75	520
55	75	280M	990	104	99.3	95.7	94.1	0.85	8.0	2.8	3.2	60	1.99	565
75	100	315S	990	143	136	131	94.6	0.84	7.0	2.0	2.6	68	3.86	970
90	125	315M	990	172	163	157	94.9	0.84	7.0	2.0	2.6	69	4.95	1065
110	150	315L1	990	207	196	189	95.1	0.85	7.0	2.0	2.6	70	5.76	1135
132	175	315L2	990	250	238	229	95.4	0.84	7.0	2.0	2.6	70	5.79	1200
160	215	355M1	990	289	275	265	95.6	0.88	7.0	2.3	2.5	70	9.96	1755
180	240	355M2	990	325	309	297	95.7	0.88	7.2	2.2	2.5	70	10.2	1860
200	270	355M3	990	360	342	330	95.8	0.88	7.3	2.2	2.4	70	11.5	1955
225	300	355L1	990	406	385	371	95.8	0.88	7.2	2.2	2.4	75	11.8	2040
250	335	355L2	990	451	428	413	95.8	0.88	7.0	2.2	2.4	75	12.6	2120
280	375	355L3	990	505	479	462	95.8	0.88	7.0	2.2	2.4	75	13.0	2350

Premium efficiency motors IEC60034-30, IE3 code
Efficiency testing method IEC 60034-2-1;2007

SWE PREMIUM EFFICIENCY CAST IRON MOTORS

TECHNICAL SPECIFICATIONS

Output		IEC Frame	Rated Speed (rpm)	Full Load Current In(A)			Efficiency η%	Power Factor COSφ	Locked Rotor Current IL/In	Locked Rotor Torque TL/Tn	Break-Down Torque Tb/Tn	Sound LP dB (A)	Moment of Inertia J(kgm²)	Weight (kg)
KW	HP			440V	460V	480V	100	100						
3600 RPM (2 Poles) - 60Hz														
0.75	1	80M1	3450	1.54	1.47	1.41	77.0	0.83	6.5	3.6	4.0	63	0.0011	17
1.1	1.5	80M2	3450	2.05	1.96	1.88	84.0	0.84	6.6	3.7	3.9	63	0.0013	18
1.5	2	90S	3465	2.71	2.59	2.48	85.5	0.85	6.6	2.1	2.9	63	0.0018	23
2.2	3	90L	3465	3.84	3.67	3.52	86.5	0.87	7.0	2.3	2.9	62	0.0022	26
3	4	100L	3475	5.11	4.89	4.69	88.5	0.87	8.0	2.5	4.0	66	0.0042	34
4	5.5	112M	3495	6.74	6.45	6.18	88.5	0.88	6.9	2.2	3.0	66	0.0065	41
5.5	7.5	132S1	3495	9.06	8.67	8.31	89.5	0.89	8.2	2.2	3.5	69	0.0145	60
7.5	10	132S2	3495	12.3	11.7	11.2	90.2	0.89	8.3	2.3	3.4	69	0.0156	63
11	15	160M1	3530	17.8	17.0	16.3	91.0	0.89	7.6	2.7	3.0	72	0.066	120
15	20	160M2	3530	24.0	23.0	22.0	91.0	0.90	7.6	2.7	3.0	72	0.068	130
18.5	25	160L	3535	29.7	28.5	27.3	91.7	0.89	7.6	2.7	3.0	72	0.076	150
22	30	180M	3545	35.0	33.5	32.1	91.7	0.90	7.6	2.6	3.2	72	0.173	185
30	40	200L1	3550	47.9	45.8	43.9	92.4	0.89	7.6	2.3	3.4	78	0.193	245
37	50	200L2	3550	58.0	55.5	53.2	93.0	0.90	8.5	3.0	3.8	78	0.203	275
45	60	225M	3560	69.3	66.3	63.5	93.6	0.91	8.5	2.8	3.9	78	0.411	345
55	75	250M	3570	87.6	83.8	80.3	93.6	0.88	8.0	2.6	3.9	84	0.435	450
75	100	280S	3570	115	110	105	94.1	0.91	8.5	2.8	3.9	83	0.743	540
90	125	280M	3570	135	129	124	95.0	0.92	6.5	2.1	2.9	83	0.823	575
110	150	315S	3575	171	163	156	95.0	0.89	7.5	2.2	3.6	83	1.64	1010
132	175	315M	3575	202	193	185	95.4	0.90	7.5	2.2	3.3	83	1.78	1070
160	215	315L1	3575	245	234	224	95.4	0.90	8.0	2.5	3.2	85	1.97	1210
200	270	315L2	3575	304	291	279	95.8	0.90	8.0	2.5	3.3	86	2.31	1285
250	335	355M	3575	372	356	341	95.8	0.92	6.5	1.9	2.6	86	3.90	1798
280	375	355L1	3575	417	399	382	95.8	0.92	7.6	1.8	2.6	85	4.01	1885
315	420	355L2	3575	469	449	430	95.8	0.92	7.5	1.8	2.5	85	4.03	1960

Premium efficiency motors IEC60034-30, IE3 code
Efficiency testing method IEC 60034-2-1;2007



SWE PREMIUM EFFICIENCY CAST IRON MOTORS

TECHNICAL SPECIFICATIONS

Output		IEC Frame	Rated Speed (rpm)	Full Load Current In(A)			Efficiency η%	Power Factor COSφ	Locked Rotor Current IL/In	Locked Rotor Torque TL/Tn	Break-Down Torque Tb/Tn	Sound LP dB (A)	Moment of Inertia J(kgm²)	Weight (kg)
KW	HP			440V	460V	480V	100	100						
1800 RPM (4 Poles) - 60Hz														
0.55	0.75	80M1	1715	1.20	1.15	1.10	81.1	0.74	5.5	2.2	2.4	49	0.00148	18
0.75	1	80M2	1715	1.56	1.49	1.43	85.5	0.74	5.4	2.5	2.7	50	0.0016	19
1.1	1.5	90S	1735	2.14	2.05	1.96	86.5	0.78	5.4	2.2	2.6	52	0.00232	23
1.5	2	90L	1735	2.92	2.79	2.67	86.5	0.78	5.4	2.2	2.5	54	0.00315	29
2.2	3	100L1	1735	4.08	3.91	3.74	89.5	0.79	6.8	3.0	3.2	54	0.0079	35
3	4	100L2	1735	5.43	5.19	4.98	89.5	0.81	6.5	2.9	2.9	54	0.00865	39
4	5.5	112M	1745	7.15	6.84	6.56	89.5	0.82	7.1	2.7	2.8	58	0.0185	45
5.5	7.5	132S	1755	9.72	9.29	8.91	91.7	0.81	7.3	2.4	2.9	58	0.0331	62
7.5	10	132M	1755	13.1	12.5	12.0	91.7	0.82	7.5	2.6	2.8	58	0.0412	74
11	15	160M	1760	18.4	17.6	16.8	92.4	0.85	7.1	2.9	3.1	63	0.108	124
15	20	160L	1765	24.6	23.5	22.6	93.0	0.86	7.6	3	3.1	63	0.109	145
18.5	25	180M	1770	30.2	28.8	27.6	93.6	0.86	7.6	2.5	3.0	68	0.159	195
22	30	180L	1770	35.9	34.3	32.9	93.6	0.86	8.0	2.8	3.2	69	0.193	215
30	40	200L	1770	48.1	46.0	44.1	94.1	0.87	8.0	2.7	3.4	73	0.311	265
37	50	225S	1775	59.1	56.5	54.1	94.5	0.87	7.5	2.5	2.9	73	0.612	320
45	60	225M	1775	72.3	69.1	66.3	95.0	0.86	8.5	2.6	2.8	73	0.679	350
55	75	250M	1775	86.5	82.8	79.3	95.4	0.87	8.0	2.4	3.0	71	0.841	457
75	100	280S	1780	120	115	110	95.4	0.86	7.4	2.3	2.9	71	1.53	590
90	125	280M	1780	142	136	130	95.4	0.87	7.4	2.4	3.0	71	1.77	654
110	150	315S	1780	173	166	159	95.8	0.87	8.0	2.6	3.5	71	4.01	1060
132	175	315M	1780	207	198	190	96.2	0.87	7.8	2.7	3.4	73	3.74	1120
160	215	315L1	1780	245	235	225	96.2	0.89	7.0	2.3	3.0	73	7.56	1200
200	270	315L2	1780	307	293	281	96.2	0.89	7.0	2.4	3.0	73	5.16	1295
250	335	355M	1785	379	362	347	96.2	0.90	7.2	2.4	2.3	83	8.03	1820
280	375	355L1	1785	424	406	389	96.2	0.90	7.3	2.4	2.3	81	8.76	1869
315	420	355L2	1785	477	457	438	96.2	0.90	7.3	2.4	2.3	81	9.56	2000

Premium efficiency motors IEC60034-30, IE3 code
Efficiency testing method IEC 60034-2-1;2007

* Data are subjected to revisions without any prior notice.



SWE PREMIUM EFFICIENCY CAST IRON MOTORS

TECHNICAL SPECIFICATIONS

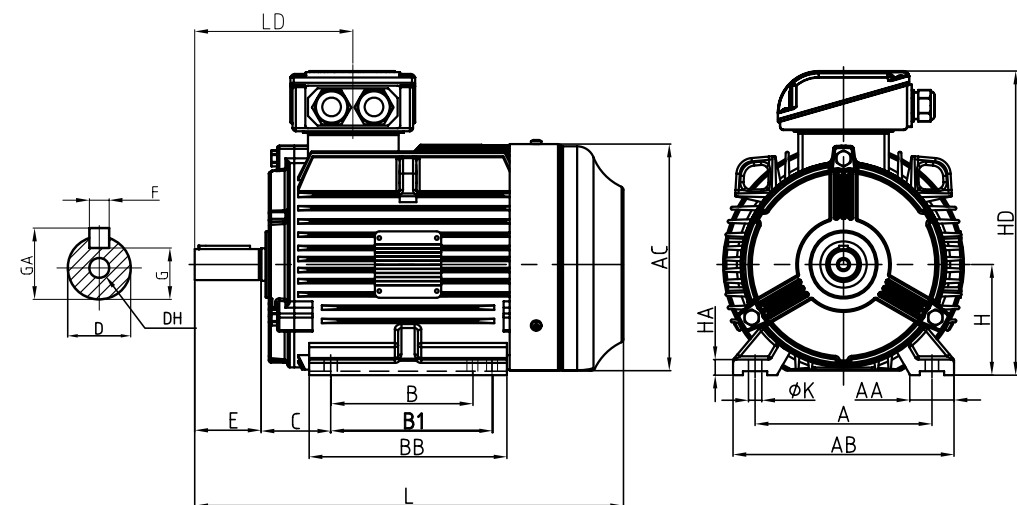
Output		IEC Frame	Rated Speed (rpm)	Full Load Current In(A)			Efficiency η%	Power Factor COSφ	Locked Rotor Current IL/In	Locked Rotor Torque TL/Tn	Break-Down Torque Tb/Tn	Sound LP dB (A)	Moment of Inertia J(kgm²)	Weight (kg)
KW	HP			440V	460V	480V	100	100						
1200 RPM (6 Poles) - 60Hz														
0.37	0.5	80M1	1110	0.92	0.88	0.84	75.3	0.70	6.7	2.1	2.2	47	0.00194	18
0.55	0.8	80M2	1115	1.26	1.21	1.16	81.7	0.70	6.7	2.2	2.3	48	0.00231	20
0.75	1	90S	1125	1.66	1.58	1.52	82.5	0.72	7.5	2.2	2.2	48	0.00321	24
1.1	1.5	90L	1125	2.26	2.16	2.07	87.5	0.73	7.7	2.5	2.6	48	0.00412	26
1.5	2	100L	1135	3.01	2.87	2.76	88.5	0.74	7.0	2.8	2.9	49	0.00845	34
2.2	3	112M	1150	4.24	4.06	3.89	89.5	0.76	7.2	2.2	2.8	49	0.01326	40
3	4	132S	1155	5.71	5.46	5.24	89.5	0.77	7.5	2.2	2.5	53	0.03716	57
4	5.5	132M1	1160	7.52	7.19	6.89	89.5	0.78	7.2	2.7	2.8	53	0.04889	73
5.5	7.5	132M2	1160	10.2	9.73	9.32	91.0	0.78	7.4	2.8	2.9	56	0.05845	77
7.5	10	160M	1165	14.2	13.6	13.0	91.0	0.76	7.0	2.5	2.8	59	0.22	115
11	15	160L	1170	21.0	20.1	19.2	91.7	0.75	7.0	3.0	3.1	59	0.16	136
15	20	180L	1175	27.2	26.0	24.9	91.7	0.79	8.5	3.0	3.4	62	0.37	197
18.5	25	200L1	1175	32.6	31.2	29.9	93.0	0.80	7.4	2.8	2.9	62	0.38	226
22	30	200L2	1175	38.8	37.1	35.6	93.0	0.80	7.0	2.5	2.6	62	0.44	246
30	40	225M	1180	49.8	47.6	45.7	94.1	0.84	7.0	2.2	2.3	62	0.73	314
37	50	250M	1180	61.4	58.8	56.3	94.1	0.84	8.0	2.8	3.4	62	0.11	440
45	60	280S	1185	73.5	70.3	67.4	94.5	0.85	8.0	2.8	3.3	63	1.75	520
55	75	280M	1185	89.8	85.9	82.4	94.5	0.85	8.0	2.8	3.2	63	1.99	565
75	100	315S	1185	123	118	113	95.0	0.84	7.0	2.0	2.6	71	3.86	970
90	125	315M	1185	148	142	136	95.0	0.84	7.0	2.0	2.6	72	4.95	1065
110	150	315L1	1185	177	170	162	95.8	0.85	7.0	2.0	2.6	73	5.76	1135
132	175	315L2	1185	215	206	197	95.8	0.84	7.0	2.0	2.6	73	5.79	1200
160	215	355M1	1185	249	238	228	95.8	0.88	7.0	2.3	2.5	73	9.96	1755
180	240	355M2	1185	280	268	257	95.8	0.88	7.2	2.2	2.5	73	10.2	1860
200	270	355M3	1185	311	298	285	95.8	0.88	7.3	2.2	2.4	73	11.5	1955
225	300	355L1	1185	350	335	321	95.8	0.88	7.2	2.2	2.4	78	11.8	2040
250	335	355L2	1185	389	372	357	95.8	0.88	7.0	2.2	2.4	78	12.6	2120
280	375	355L3	1185	436	417	400	95.8	0.88	7.0	2.2	2.4	78	13.0	2350

Premium efficiency motors IEC60034-30, IE3 code
Efficiency testing method IEC 60034-2-1;2007



* Data are subjected to revisions without any prior notice.

B3 MOUNTING AND OVERALL DIMENSIONS

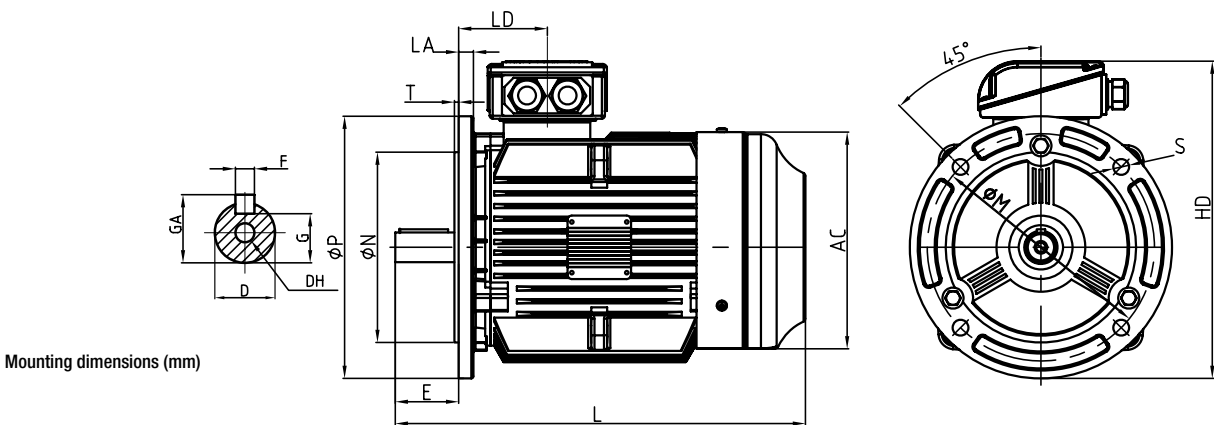


Frame Size	Poles	Mounting dimensions (mm)												Overall dimensions (mm)							
		A	B	B1	C	D	E	F	G	H	K	DH	GA	AA	AB	AC	HA	HD	BB	LD	L
80M	2~6	125	100	/	50	19	40	6	15.5	80	10	M6X16	21.5	34	160	175	10	225	135	120	306
90S	2~8	140	100	/	56	24	50	8	20	90	10	M8X20	27	36	174	195	12	250	130	137	316
90L	2~8	140	125	/	56	24	50	8	20	90	10	M8X20	27	36	174	195	12	250	155	137	341
100L	2~8	160	140	/	63	28	60	8	24	100	12	M10X25	31	40	200	218	14	275	179	143	385
112M	2~8	190	140	/	70	28	60	8	24	112	12	M10X25	31	45	235	243	15	310	180	165	386
132S	2~8	216	140	/	89	38	80	10	33	132	12	M12X30	41	55	270	278	18	345	182	194	458
132M	4~8	216	178	/	89	38	80	10	33	132	12	M12X30	41	55	270	278	18	345	220	194	496
160M	2~8	254	210	/	108	42	110	12	37	160	15	M16X36	45	64	315	314	20	415	260	256	610
160L	2~8	254	254	/	108	42	110	12	37	160	15	M16X36	45	64	315	314	20	415	304	256	654
180M	2.4	279	241	/	121	48	110	14	42.5	180	15	M16X36	51.5	68	351	355	22	450	311	271	684
180L	4~8	279	279	/	121	48	110	14	42.5	180	15	M16X36	51.5	68	351	355	22	450	349	271	722
200L	2~8	318	305	/	133	55	110	16	49	200	19	M20X42	59	70	388	397	25	540	369	296	774
225S	4.8	356	286	/	149	60	140	18	53	225	19	M20X42	64	79	430	445	28	590	361	329	822
225M	2	356	311	/	149	55	110	16	49	225	19	M20X42	59	79	430	445	28	590	386	299	816
	4~8	356	311	/	149	60	140	18	53	225	19	M20X42	64	79	430	445	28	590	386	329	847
250M	2	406	349	/	168	60	140	18	53	250	24	M20X42	64	97	484	484	32	625	445	348	911
	4~8	406	349	/	168	65	140	18	58	250	24	M20X42	69	97	484	484	32	625	445	348	911
280S	2	457	368	/	190	65	140	18	58	280	24	M20X42	69	85	542	546	35	680	485	357	965
	4~8	457	368	/	190	75	140	20	67.5	280	24	M20X42	79.5	85	542	546	35	680	485	357	965
280M	2	457	419	/	190	65	140	18	58	280	24	M20X42	69	85	542	546	35	680	536	357	1016
	4~8	457	419	/	190	75	140	20	67.5	280	24	M20X42	79.5	85	542	546	35	680	536	357	1016
315S	2	508	406	/	216	65	140	18	58	315	28	M20X46	69	120	628	620	45	830	570	397	1201
	4~8	508	406	/	216	80	170	22	71	315	28	M20X46	85	120	628	620	45	830	570	427	1231
315M,L	2	508	457	508	216	65	140	18	58	315	28	M20X46	69	120	628	620	45	830	680	397	1311
	4~8	508	457	508	216	80	170	22	71	315	28	M20X46	85	120	628	620	45	830	680	427	1341
355M,L	2	610	560	630	254	75	140	20	67.5	355	28	M20X46	79.5	116	726	698	52	995	750	425	1501
	4~8	610	560	630	254	95	170	25	86	355	28	M24X56	100	116	726	698	52	995	750	455	1531

* Data are subjected to revisions without any prior notice.



B5 MOUNTING AND OVERALL DIMENSIONS



Mounting dimensions (mm)

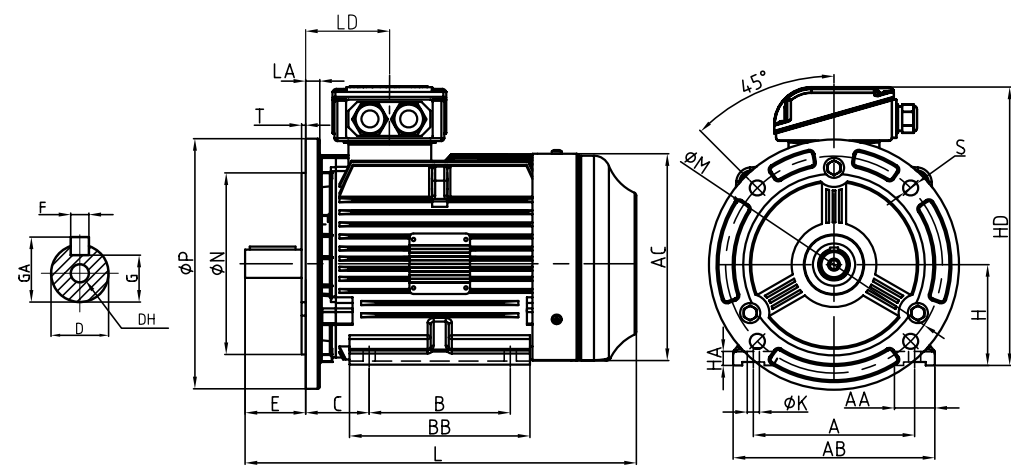
Frame Size	Poles	Mounting dimensions (mm)											Overall dimensions (mm)				
		D	E	F	G	M	N	P	S	T	DH	GA	AC	HD	LA	LD	L
80M	2~6	19	40	6	15.5	165	130	200	4-Ø12	3.5	M6X16	21.5	175	245	12	80	306
90S	2~8	24	50	8	20	165	130	200	4-Ø12	3.5	M8X20	27	195	260	10	87	316
90L	2~8	24	50	8	20	165	130	200	4-Ø12	3.5	M8X20	27	195	260	10	87	341
100L	2~8	28	60	8	24	215	180	250	4-Ø15	4	M10X25	31	218	300	14	83	385
112M	2~8	28	60	8	24	215	180	250	4-Ø15	4	M10X25	31	243	323	14	105	386
132S	2~8	38	80	10	33	265	230	300	4-Ø15	4	M12X30	41	278	363	14	114	458
132M	4~8	38	80	10	33	265	230	300	4-Ø15	4	M12X30	41	278	363	14	114	496
160M	2~8	42	110	12	37	300	250	350	4-Ø19	5	M16X36	45	314	430	15	146	610
160L	2~8	42	110	12	37	300	250	350	4-Ø19	5	M16X36	45	314	430	15	146	654
180M	2.4	48	110	14	42.5	300	250	350	4-Ø19	5	M16X36	51.5	355	445	15	161	684
180L	4~8	48	110	14	42.5	300	250	350	4-Ø19	5	M16X36	51.5	355	445	15	161	722
200L	2~8	55	110	16	49	350	300	400	4-Ø19	5	M20X42	59	397	540	17	186	774
225S	4.8	60	140	18	53	400	350	450	8-Ø19	5	M20X42	64	445	590	20	189	822
225M	2	55	110	16	49	400	350	450	8-Ø19	5	M20X42	59	445	590	20	189	816
	4~8	60	140	18	53	400	350	450	8-Ø19	5	M20X42	64	445	590	20	189	847
250M	2	60	140	18	53	500	450	550	8-Ø19	5	M20X42	64	484	650	22	208	911
	4~8	65	140	18	58	500	450	550	8-Ø19	5	M20X42	69	484	650	22	208	911
280S	2	65	140	18	58	500	450	550	8-Ø19	5	M20X42	69	546	675	22	217	965
	4~8	75	140	20	67.5	500	450	550	8-Ø19	5	M20X42	79.5	546	675	22	217	965
280M	2	65	140	18	58	500	450	550	8-Ø19	5	M20X42	69	546	675	22	217	1016
	4~8	75	140	20	67.5	500	450	550	8-Ø19	5	M20X42	79.5	546	675	22	217	1016
315S	2	65	140	18	58	600	550	660	8-Ø24	6	M20X46	69	620	845	22	257	1201
	4~8	80	170	22	71	600	550	660	8-Ø24	6	M20X46	85	620	845	22	257	1231
315M,L	2	65	140	18	58	600	550	660	8-Ø24	6	M20X46	69	620	845	22	257	1311
	4~8	80	170	22	71	600	550	660	8-Ø24	6	M20X46	85	620	845	22	257	1341
355M,L	2	75	140	20	67.5	740	680	800	8-Ø24	6	M20X46	79.5	698	1040	25	285	1501
	4~8	95	170	25	86	740	680	800	8-Ø24	6	M24X56	100	698	1040	25	285	1531

R=0 distance from flange to shaft shoulder



* Data are subjected to revisions without any prior notice.

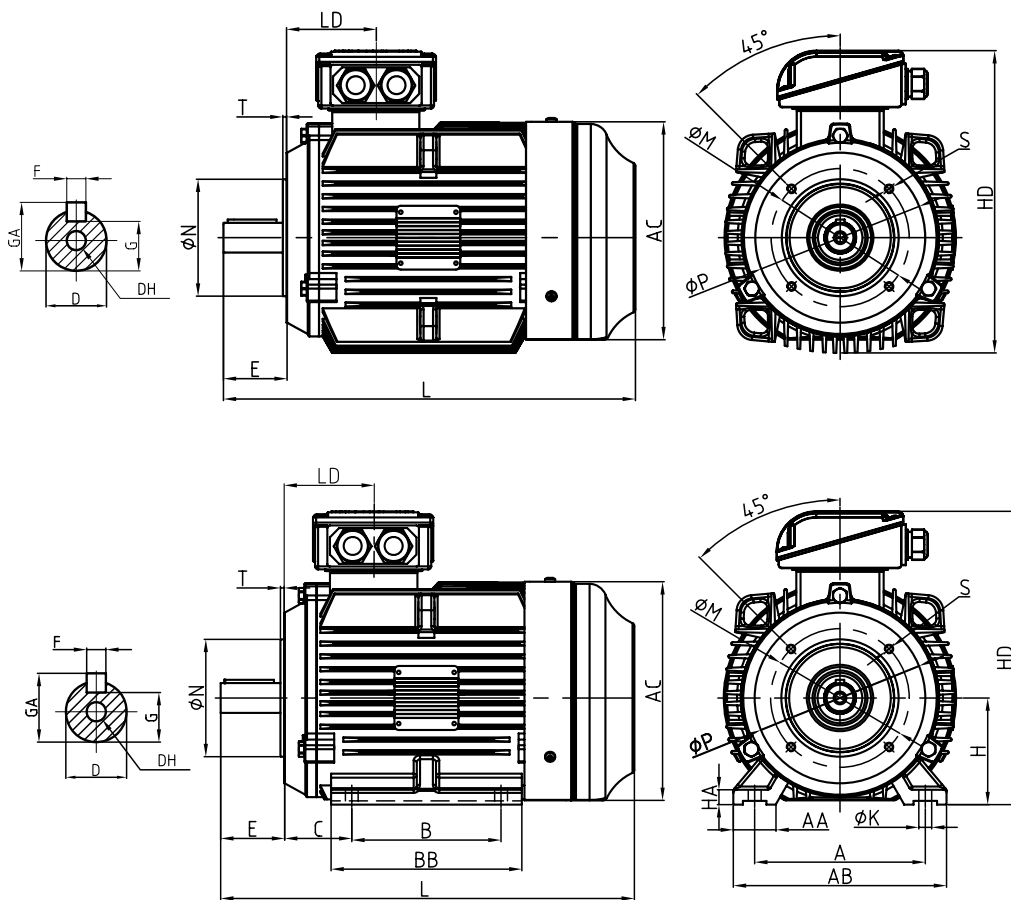
B35 MOUNTING AND OVERALL DIMENSIONS



Frame Size	Poles	Mounting dimensions (mm)																Overall dimensions (mm)									
		A	B	B1	C	D	E	F	G	H	K	M	N	P	S	T	DH	GA	AA	AB	AC	HA	HD	BB	LD	L	LA
80M	2-6	125	100	/	50	19	40	6	15.5	80	10	165	130	200	4-012	3.5	M6X16	21.5	34	160	175	10	225	135	80	306	12
90S	2-8	140	100	/	56	24	50	8	20	90	10	165	130	200	4-012	3.5	M8X20	27	36	174	195	12	250	130	87	316	10
90L	2-8	140	125	/	56	24	50	8	20	90	10	165	130	200	4-012	3.5	M8X20	27	36	174	195	12	250	155	87	341	10
100L	2-8	160	140	/	63	28	60	8	24	100	12	215	180	250	4-015	4	M10X25	31	40	200	218	14	275	179	83	385	14
112M	2-8	190	140	/	70	28	60	8	24	112	12	215	180	250	4-015	4	M10X25	31	45	235	243	15	310	180	105	386	14
132S	2-8	216	140	/	89	38	80	10	33	132	12	265	230	300	4-015	4	M12X30	41	55	270	278	18	345	182	114	458	14
132M	4-8	216	178	/	89	38	80	10	33	132	12	265	230	300	4-015	4	M12X30	41	55	270	278	18	345	220	114	496	14
160M	2-8	254	210	/	108	42	110	12	37	160	15	300	250	350	4-019	5	M16X36	45	64	315	314	20	415	260	256	610	15
160L	2-8	254	254	/	108	42	110	12	37	160	15	300	250	350	4-019	5	M16X36	45	64	315	314	20	415	304	256	654	15
180M	2.4	279	241	/	121	48	110	14	42.5	180	15	300	250	350	4-019	5	M16X36	51.5	68	351	355	22	450	311	271	684	15
180L	4-8	279	279	/	121	48	110	14	42.5	180	15	300	250	350	4-019	5	M16X36	51.5	68	351	355	22	450	349	271	722	15
200L	2-8	318	305	/	133	55	110	16	49	200	19	350	300	400	4-019	5	M20X42	59	70	388	397	25	540	369	296	774	17
225S	4.8	356	286	/	149	60	140	18	53	225	19	400	350	450	8-019	5	M20X42	64	79	430	445	28	590	361	329	822	20
225M	2	356	311	/	149	55	110	16	49	225	19	400	350	450	8-019	5	M20X42	59	79	430	445	28	590	386	299	816	20
	4-8	356	311	/	149	60	140	18	53	225	19	400	350	450	8-019	5	M20X42	64	79	430	445	28	590	386	329	847	20
250M	2	406	349	/	168	60	140	18	53	250	24	500	450	550	8-019	5	M20X42	64	97	484	484	32	625	445	348	911	22
	4-8	406	349	/	168	65	140	18	58	250	24	500	450	550	8-019	5	M20X42	69	97	484	484	32	625	445	348	911	22
280S	2	457	368	/	190	65	140	18	58	280	24	500	450	550	8-019	5	M20X42	69	85	542	546	35	680	485	357	965	22
	4-8	457	368	/	190	75	140	20	67.5	280	24	500	450	550	8-019	5	M20X42	79.5	85	542	546	35	680	485	357	965	22
280M	2	457	419	/	190	65	140	18	58	280	24	500	450	550	8-019	5	M20X42	69	85	542	546	35	680	536	357	1016	22
	4-8	457	419	/	190	75	140	20	67.5	280	24	500	450	550	8-019	5	M20X42	79.5	85	542	546	35	680	536	357	1016	22
315S	2	508	406	/	216	65	140	18	58	315	28	600	550	660	8-024	6	M20X46	69	120	628	620	45	830	570	397	1201	22
	4-8	508	406	/	216	80	170	22	71	315	28	600	550	660	8-024	6	M20X46	85	120	628	620	45	830	570	427	1231	22
315M,L	2	508	457	508	216	65	140	18	58	315	28	600	550	660	8-024	6	M20X46	69	120	628	620	45	830	680	397	1311	22
	4-8	508	457	508	216	80	170	22	71	315	28	600	550	660	8-024	6	M20X46	85	120	628	620	45	830	680	427	1341	22
355M,L	2	610	560	630	254	75	140	20	67.5	355	28	740	680	800	8-024	6	M20X46	79.5	116	726	698	52	995	750	425	1501	25
	4-8	610	560	630	254	95	170	25	86	355	28	740	680	800	8-024	6	M24X56	100	116	726	698	52	995	750	455	1531	25

R=0 distance from flange to shaft shoulder

B14 / B34 MOUNTING AND OVERALL DIMENSIONS



Frame Size	Poles	Mounting dimensions (mm)																Overall dimensions (mm)								
		A	B	C	D	E	F	G	H	K	M	N	P	S	T	DH	GA	AA	AB	AC	HA	BB	LD	L	HD (B14)	HD (B34)
80M	2~6	125	100	50	19	40	6	15.5	80	10	100	80	120	4-06	3	M6X16	21.5	34	160	175	10	135	80	306	230	225
90S	2~8	140	100	56	24	50	8	20	90	10	115	95	140	4-08	3	M8X20	27	36	174	195	12	130	87	316	258	250
90L	2~8	140	125	56	24	50	8	20	90	10	115	95	140	4-08	3	M8X20	27	36	174	195	12	155	87	341	258	250
100L	2~8	160	140	63	28	60	8	24	100	12	130	110	160	4-08	3.5	M10X25	31	40	200	218	14	179	83	385	284	275
112M	2~8	190	140	70	28	60	8	24	112	12	130	110	160	4-08	3.5	M10X25	31	45	235	243	15	180	105	386	322	310
132S	2~8	216	140	89	38	80	10	33	132	12	165	130	200	4-010	4	M12X30	41	55	270	278	18	182	114	458	354	345
132M	4~8	216	178	89	38	80	10	33	132	12	165	130	200	4-010	4	M12X30	41	55	270	278	18	220	114	496	354	345

R=0 distance from flange to shaft shoulder

* Data are subjected to revisions without any prior notice.



* Data are subjected to revisions without any prior notice.

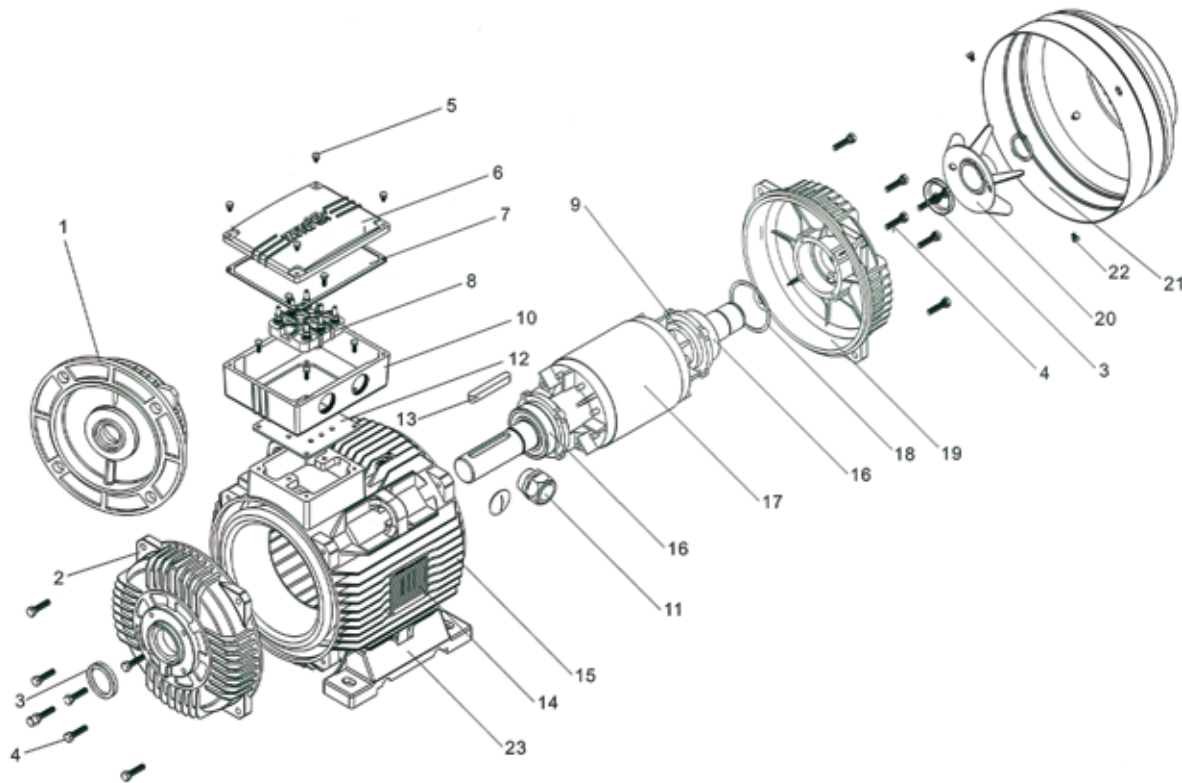
BEARINGS

Frame Size	Driving End		Non-driving End	
	2 Pole	4,6,8 Pole	2 Pole	4,6,8 Pole
SWE80	6205 ZZ	6205 ZZ	6205ZZ	6205ZZ
SWE90	6206 ZZ	6206 ZZ	6206ZZ	6206ZZ
SWE100	6206 ZZ	6206 ZZ	6206ZZ	6206ZZ
SWE112	6207 ZZ	6207 ZZ	6207ZZ	6207ZZ
SWE132	6208 ZZ	6208 ZZ	6208ZZ	6208ZZ
SWE160	6209 ZZ	6209 ZZ	6209ZZ	6209ZZ
SWE180	6211/C3	6311/C3	6211/C3	6211/C3
SWE200	6212/C3	6312/C3	6212/C3	6212/C3
SWE225	6312/C3	6313/C3	6312/C3	6312/C3
SWE250	6313/C3	6314/C3	6313/C3	6313/C3
SWE280	6314/C3	6317/C3	6314/C3	6314/C3
SWE315	6317/C3	NU319	6317/C3	6319/C3
SWE355	6319/C3	NU322	6322/C3	6322/C3

TERMINAL BOX CABLE GLAND ENTRY (KK)

Frame Size	Cable Entry in mm
SWE71	2xM20x1.5
SWE80 - SWE100	2xM25x1.5
SWE112 - SWE132	2xM32x1.5
SWE160 - SWE180	2xM40x1.5
SWE200 - SWE225	2xM50x1.5
SWE250 - SWE280	2xM63x1.5
SWE315	2xM63x1.5

SWE MOTOR SPARE PART LIST / DRAWING



1. This catalogue is only a reference for users. The data may be changed, please contact us before,ordering.
2. Note type, rated output, synchronous speed, voltage and frequency, insulation class, mounting type etc. When ordering.
3. For special requirement, please contact us, we may deliver following special type of motor:
(1) Voltage: such as 420V.
(2) Frequency 60Hz.
(3) Duble end shaft.
(4) motor for tropical humid climate.

1. Flange B5
2. End shield B3
3. V-ring
4. Screws for fixing end shield
5. Screws for fixing terminal box cover
6. Terminal box cover IP55
7. Terminal box seal
8. Terminal board complete with components
9. Bearing cover
10. Terminal box base
11. Cable gland and plug
12. Terminal base seal
13. Key
14. Name plate
15. Frame
16. Bearings
17. Rotor with shaft complete
18. Spring washer
19. NDE shield
20. Cooling fan
21. Fan cover
22. Screws for fixing fan cover
23. Feet

* Data are subjected to revisions without any prior notice.



* Data are subjected to revisions without any prior notice.