

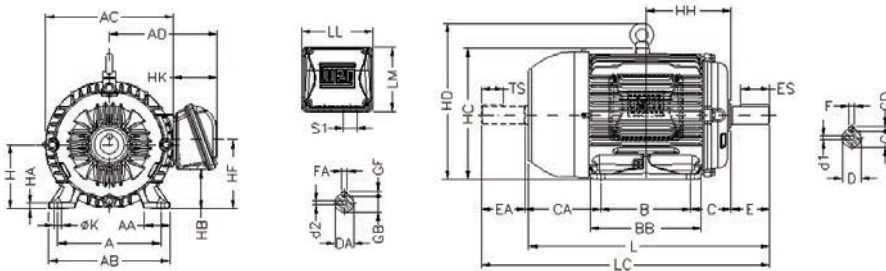
TECHNICAL CATALOGUE

THREE PHASE MOTOR



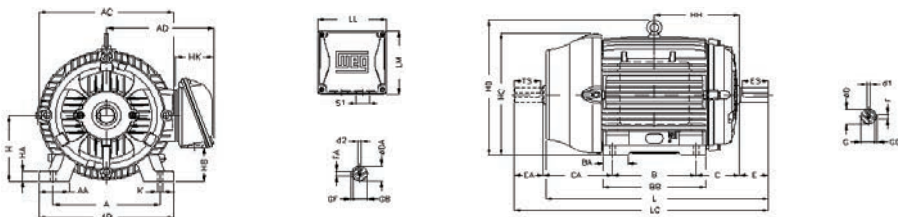
Main Dimensions (mm)																										Bearings		
Frame	A	AA	AB	AC	AD	B	BA	BB	BD	C	CA	H	HA	HB	HC	HD	HF	HG	HH	HK	K	L	LL	LM	LC	S1	D.E.	N.D.E.
63	100	25.5	116	125	123	80	N/A	95	N/A	40	78	63	7	25.5	130	N/A	68.5	N/A	80	59	7	216	108	98	241	M20x1.5	6201-ZZ	6201-ZZ
71	112	28.5	132	141	131	90	N/A	113.5	N/A	45	88	71	7	33	145	N/A	76	N/A	90	59	7	250	108	98	276	M20x1.5	6202-ZZ	6202-ZZ
80	125	30.5	149	159	140	100	N/A	125.5	N/A	50	93	80	8	43.5	163	N/A	87	N/A	100	59	10	277	108	98	313	M20x1.5	6204-ZZ	6203-ZZ
90S	140	37	164	179	149	100	N/A	131	N/A	56	104	90	9	47	182	N/A	90	N/A	106	59	10	305	108	98	350	M20x1.5	6205-ZZ	6204-ZZ
L90S	140	37	164	179	149	100	N/A	131	N/A	56	104	90	9	47	182	N/A	90	N/A	106	59	10	334.5	108	98	381	M20x1.5	6205-ZZ	6204-ZZ
90L	140	37	164	179	149	125	N/A	156	N/A	56	104	90	9	47	182	N/A	90	N/A	118.5	59	10	329	108	98	375	M20x1.5	6205-ZZ	6204-ZZ
L90L	140	37	164	179	149	125	N/A	156	N/A	56	118	90	9	47	182	N/A	90	N/A	118.5	59	10	360	108	98	406	M20x1.5	6205-ZZ	6204-ZZ
100L	160	40	188	206	159	140	N/A	173	N/A	63	118	100	10	65	205	244	106.4	N/A	133	59	12	376	108	98	431	M20x1.5	6206-ZZ	6205-ZZ
L100L	160	40	188	206	159	140	N/A	173	N/A	63	118	100	10	65	205	244	106.4	N/A	133	59	12	418	108	98	475	M20x1.5	6206-ZZ	6205-ZZ
112M	190	40.5	220	215	192	140	N/A	177	N/A	70	128	112	10	54.5	235	280	112	N/A	140	80	12	394	140	133	448	M25x1.5	6207-ZZ	6206-ZZ
132S	216	45.5	248	272	220	140	N/A	187	N/A	89	150	132	16	75	274	319	132	N/A	159	80	12	452	140	133	519	M25x1.5	6308-ZZ	6207-ZZ
132M	216	45.5	248	272	220	178	N/A	225	N/A	89	150	132	16	75	274	319	132	N/A	178	80	12	489	140	133	557	M25x1.5	6308-ZZ	6207-ZZ
132M/L	216	45.5	248	272	220	178/203	N/A	250	N/A	89	150	132	16	75	274	319	132	N/A	190.5	80	12	515	140	133	582	M25x1.5	6308-ZZ	6207-ZZ
160M	254	44	292	329	266	210	N/A	254	N/A	108	174	160	17	79	331	380	168	N/A	213	101	14.5	598	198.5	190	712	2xM32x1.5	6309-C3	6209-C3
160L	254	44	292	329	266	254	N/A	298	N/A	108	174	160	17	79	331	380	168	N/A	235	101	14.5	642	198.5	190	756	2xM32x1.5	6309-C3	6209-C3
180M	279	78	350	360	281	241	70	294	N/A	121	200	180	28	92	366	413	180	N/A	241.5	101	14.5	664	198.5	190	782	2xM40x1.5	6311-C3	6211-C3
180L	279	78	350	360	281	279	70	332	N/A	121	200	180	28	92	366	413	180	N/A	260.5	101	14.5	702	198.5	190	820	2xM40x1.5	6311-C3	6211-C3
200M	318	82	385	402	319	267	82	332	N/A	133	222	200	30	119	407	464	218	N/A	266.5	119.5	18.5	729	230	220	842	2xM50x1.5	6312-C3	6212-C3
200L	318	82	385	402	319	305	82	370	N/A	133	222	200	30	119	407	464	218	N/A	285.5	119.5	18.5	767	230	220	880	2xM50x1.5	6312-C3	6212-C3
225S/M	356	80	436	455	410	286 311	124	412	41	149	319	225	34	254	453	541	421	534	212	143	18.5	856 886	269	285	974 1004	2xM50x1.5	6314-C3	6314-C3
250S/M	406	100	506	486	410	311 349	146	467	59	168	354 316	250	43	297	493	583	463	577	214	143	24	965	269	285	1113	2xM63x1.5	6316-C3	6314-C3
280S/M	457	100	557	599	445	368 419	151	517	49	190	385 334	280	42	386	580	700	572	686	266	145	24	1071 1101	314	312	1223 1253	2xM63x1.5	6314-C3	6314-C3
315S/M	508	120	630	657	525	406 457	184	626	70	216	494 443	315	48	386	644	768	592	751	264	176	28	1244 1274	379	382	1396 1426	2xM63x1.5	6314-C3	6314-C3
315L	508	120	630	657	589	508	219	752	81	216	497	315	48	336	644	774	575	760	285	220	28	1355 1385	404	436	1505 1535	2xM63x1.5	6314-C3	6314-C3
355M/L	610	140	750	736	609	560 630	230	760	65	254	483 413	355	50	461	723	898	700	885	339	220	28	1412 1482	404	436	1577 1647	2xM80x2	6316-C3	6314-C3
355A/B	610	140	750	736	697	710 800	325	965	70	254	528 438	355	50	405	723	949	700	885	340	328	28	1607 1677	460	544	1772 1872	2xM80x2	6316-C3	6314-C3

63 to 132M/L

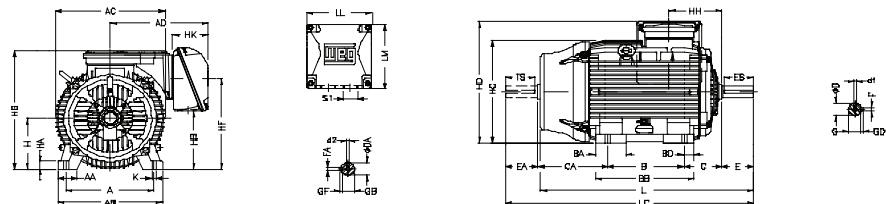


□ Dimension applicable to 2 pole motors only

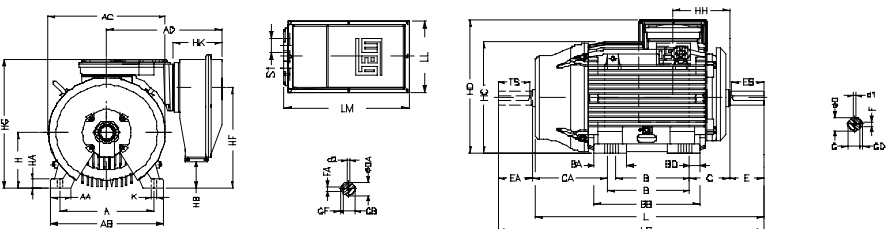
160M to 200L



225S/M to 355M/L



355A/B



Frame	Shaft Dimensions (mm)						
	D	E	ES	F	G	GD	d1
63	11j6	23	14	4	8.5	4	M4
71	14j6	30	18	5	11	5	M5
80	19j6	40	28	6	15.5	6	M6
90	24j6	50	36	8	20	7	M8
100	28j6	60	45	8	24	7	M10
112	28j6	60	45	8	24	7	M10
132	38k6	80	63	10	33	8	M12
160	42k6	110	80	12	37	8	M16
180	48k6	110	80	14	42.5	9	M16
200	55m6	110	80	16	49	10	M20
225	55m6	110	100	16	49	10	M20
250	60m6	140	125	18	53	11	M20
250	70m6	140	125	20	62.5	12	M20
280	65m6	140	125	18	58	11	M20
280	80m6	170	160	22	71	14	M20
315	65m6	140	125	18	58	11	M20
315	85m6	170	160	22	76	14	M20
355	75m6	140	125	20	67.5	12	M20
355	100m6	210	200	28	90	16	M24

□ Dimension applicable to 2 pole motors only
N.D.E. Shaft dimensions supplied on request

Rated Output kW	Frame	Full Load Torque (Nm)	Locked Rotor Current l/in	Locked Rotor Torque Tl/Tn	Break-down Torque T _b /T _n	Inertia J (kgm ²)	Allowable locked rotor time (s)		Weight (kg)	Sound dB(A)	400 V						Full load current I _n (A)	
							Hot	Cold			Rated speed (rpm)	% of full load						
												Efficiency			Power Factor			
												50	75	100	50	75		100

2 Pole - 3000 rpm - 50 Hz

0.25	63	0.852	5.5	3.2	3.2	0.0002	37	66	7.2	52	2805	65.0	70.0	72.0	0.54	0.68	0.77	0.651
0.37	71	1.24	6.3	2.5	2.5	0.0004	16	30	10.8	56	2840	74.0	76.0	76.0	0.66	0.79	0.85	0.827
0.55	71	1.90	5.9	3.0	3.0	0.0005	24	43	11.1	56	2770	76.0	77.0	77.5	0.68	0.81	0.86	1.19
0.75	80	2.51	7.5	4.1	3.7	0.0008	28	50	13.8	59	2850	81.0	83.0	83.4	0.60	0.73	0.81	1.6
1.1	80	3.71	7.4	3.6	3.6	0.0009	23	41	15	59	2830	82.0	84.0	84.6	0.63	0.76	0.82	2.29
1.5	90S	4.99	7.6	3.3	3.3	0.0020	15	27	20.6	62	2875	84.0	86.0	86.5	0.64	0.76	0.83	3.02
2.2	90L	7.32	7.5	3.4	3.5	0.0026	12	22	25	62	2870	86.5	87.0	87.5	0.65	0.77	0.83	4.37
3	100L	9.85	8.5	3.4	3.4	0.0064	15	27	32	67	2910	86.5	87.8	88.7	0.69	0.81	0.86	5.68
4*	100L	13.20	8.1	3.1	3.4	0.0065	10	18	32	67	2900	87.2	87.6	87.6	0.68	0.82	0.87	7.58
4	112M	13.20	7.7	2.9	3.5	0.0080	30	54	42.3	62	2900	88.1	89.1	89.6	0.69	0.80	0.86	7.49
5.5*	112M	18.20	8.0	3.0	3.4	0.0095	14	25	43	64	2895	88.0	88.6	88.6	0.70	0.81	0.86	10.4
5.5	132S	17.90	8.0	2.7	3.3	0.0189	18	31	62.1	63	2935	88.7	90.3	90.3	0.72	0.82	0.87	10.1
7.5	132S	24.40	8.5	3.0	3.4	0.0252	23	42	71.3	63	2935	89.4	90.8	91.2	0.69	0.80	0.86	13.8
11*	132M	35.90	8.2	2.7	3.0	0.0306	15	27	83.6	67	2925	90.8	91.2	91.2	0.75	0.85	0.89	19.6
11	160M	35.60	8.7	2.7	3.5	0.0554	23	42	120	67	2950	91.0	92.2	92.4	0.71	0.81	0.85	20.2
15	160M	48.60	8.0	2.6	3.3	0.0625	16	30	128	67	2950	91.5	92.5	92.9	0.71	0.81	0.86	27.1
18.5	160L	59.90	8.4	2.8	3.6	0.0375	11	19	143	67	2950	92.0	92.9	93.2	0.70	0.80	0.86	33.3
22	180M	71.30	8.6	2.7	3.3	0.1084	19	34	174	67	2950	92.8	93.8	94.0	0.76	0.84	0.87	38.8
30	200L	96.80	7.4	2.7	2.8	0.1865	42	76	241	72	2960	93.2	94.1	94.4	0.76	0.83	0.86	53.3
37	200L	119	7.3	2.6	2.9	0.2119	23	42	268	72	2965	93.3	94.0	94.6	0.73	0.82	0.86	65.6
45	225S/M	145	8.9	2.8	3.2	0.3380	16	30	434	74	2975	94.3	94.7	95.1	0.77	0.85	0.88	77.6
55	250S/M	177	8.5	2.8	3.3	0.4924	19	34	485	74	2970	94.9	95.2	95.2	0.80	0.86	0.89	93.7
75	250S/M	242	7.9	3.0	2.8	0.5132	15	27	534	74	2965	95.0	95.3	95.4	0.83	0.87	0.89	127
90	280S/M	289	7.4	2.2	2.8	1.3400	41	73	762	77	2980	94.8	95.6	95.8	0.84	0.89	0.90	151
110	280S/M	353	7.9	2.3	2.9	1.5600	28	52	819	77	2980	94.8	95.7	95.9	0.82	0.88	0.90	184
132	315S/M	423	7.5	2.1	2.8	2.5600	41	73	1141	77	2980	95.2	95.9	96.3	0.83	0.89	0.90	220
150	315S/M	482	7.5	2.4	2.8	2.8300	43	79	1203	77	2975	95.3	96.0	96.4	0.84	0.88	0.90	250
160	315S/M	513	8.1	2.6	3.1	2.9900	33	58	1264	77	2980	95.6	96.0	96.2	0.83	0.89	0.91	264
185	315S/M	593	7.8	2.4	2.7	3.2000	30	54	1280	77	2980	95.7	96.4	96.4	0.83	0.89	0.90	308
200	315S/M	641	8.2	2.6	2.8	3.4200	23	42	1305	77	2980	96.0	96.5	96.7	0.83	0.89	0.90	332
220	355M/L	704	7.7	2.0	2.7	4.6100	30	54	1361	80	2985	95.8	96.4	96.4	0.85	0.88	0.90	366
250	355M/L	801	7.8	2.1	2.5	5.0400	30	54	1665	80	2984	96.0	96.4	96.4	0.86	0.90	0.91	411
260	355M/L	832	7.8	1.7	2.5	5.0400	30	54	1665	80	2985	96.0	96.3	96.4	0.86	0.90	0.91	428
280	355M/L	896	8.8	2.9	3.1	5.5800	27	49	1857	80	2985	95.4	96.3	96.4	0.84	0.88	0.90	466
315*	355M/L	1010	7.7	2.1	2.5	6.0100	24	43	1950	80	2980	96.0	96.3	96.4	0.87	0.90	0.91	518
400	355A/B	1280	8.5	2.4	2.8	6.7600	42	76	2400	83	2985	95.6	95.7	95.7	0.85	0.89	0.91	663
450	355A/B	1440	7.5	2.5	2.7	7.4000	42	76	2500	83	2985	95.0	95.5	96.1	0.85	0.90	0.91	743

* Complies with MEPS, does not meet E3.

4 Pole - 1500 rpm - 50 Hz

0.18	63	1.23	4.6	2.4	2.5	0.0006	37	66	7.9	44	1400	62.0	64.0	67.5	0.46	0.57	0.68	0.566
0.25	71	1.71	4.6	2.1	2.3	0.0007	88	159	8	43	1400	69.0	71.0	72.5	0.52	0.64	0.74	0.673
0.37	71	2.58	4.8	2.6	2.6	0.0008	76	137	11.4	43	1370	71.0	74.0	75.5	0.51	0.64	0.73	0.969
0.55	80	3.7	6.3	2.9	3.2	0.0026	30	54	14.4	44	1420	77.0	79.0	80.0	0.61	0.74	0.8	1.24
0.70	80	4.73	6.3	2.8	3.1	0.0029	20	36	15	44	1415	77.8	80.0	79.9	0.61	0.74	0.82	1.54
1.1	L90S	7.22	7.5	2.9	3.3	0.0063	16	30	23	49	1455	84.7	85.7	85.9	0.55	0.69	0.78	2.37
1.5	L90L	9.85	7.9	2.8	3.4	0.0071	18	31	26.4	49	1455	85.0	86.5	87.1	0.56	0.7	0.78	3.19
2.2	L100L	14.6	8.3	3.9	3.6	0.0108	26	46	35.6	53	1440	87.2	88.2	88.5	0.6	0.71	0.79	4.54
3	L100L	19.9	7.5	3.5	3.3	0.0120	23	42	38	53	1440	87.5	88.5	89.1	0.6	0.73	0.8	6.07
4	112M	26.4	7.5	2.8	3.1	0.0182	20	37	45.8	56	1450	88.8	89.9	90.1	0.6	0.72	0.79	8.11
5.5	132S	35.9	8.2	2.4	3.4	0.0528	22	39	68.6	56	1465	90.0	90.7	91.0	0.67	0.79	0.85	10.3
7.5	132M	48.9	9.2	2.5	3.4	0.0642	18	31	80	56	1465	91.0	91.5	91.6	0.68	0.79	0.84	14.1
9.2*	132M/L	60	8.3	2.8	3.5	0.0681	14	24	85.8	56	1465	90.3	91.0	91.0	0.64	0.76	0.82	17.4
11	160M	71.5	7	2.5	3	0.1397	23	42	135	61	1470	91.0	91.8	92.2	0.65	0.76	0.83	20.7
15	160L	97.5	7.3	2.7	3.2	0.1743	14	24	158	61	1470	91.8	92.5	93.0	0.65	0.76	0.82	28.4
18.5	180M	120	8	2.9	2.9	0.1914	16	30	179	61	1470	91.7	93.1	93.5	0.65	0.76	0.82	34.8
22	180L	143	7.9	2.8	2.9	0.2272	22	39	201	61	1470	92.5	93.5	93.7	0.71	0.81	0.86	39.4
30	200L	194	8	2.7	3	0.3469	22	39	258	63	1480	93.0	94.0	94.2	0.64	0.75	0.82	56.1
37	225S/M	239	8.3	2.8	3	0.6388	19	34	435	63	1480	94.0	94.6	94.6	0.68	0.79	0.84	67.2
45	225S/M	291	7.9	2.8	3.2	0.6903	18	31	442	63	1480	94.2	94.8	94.8	0.7	0.8	0.85	79.4
55	250S/M	354	7.9	2.8	3.3	1.1100	19	34	550	64	1483	94.6	95.0	95.3	0.7	0.8	0.85	98
75	250S/M	484	8.4	2.8	3.3	1.2200	11	19	573	64	1480	95.2	95.5	95.5	0.73	0.83	0.87	130
90	280S/M	579	7.4	2.3	2.8	2.5500	34	61	841	69	1485	95.0	95.5	95.8	0.74	0.82	0.86	158
110	280S/M	708	8	2.6	2.9	3.2500	33	58	962	69	1485	95.4	95.8	96.0	0.74	0.83	0.86	192
132	315S/M	846	8.1	2.9	3	4.2200	35	64	1095	71	1490	95.5	96.0	96.2	0.75	0.83	0.86	230
150	315S/M	962	7	2.5	2.5	4.4200	35	64	1110	71	1490	95.5	96.3	96.4	0.76	0.84	0.86	261
160	315S/M	1026	7.6	2.6	2.6	4.6500	30	54	1152	71	1490	95.7	96.2	96.5	0.75	0.83	0.87	275
185	315S/M	1186	7.6	2.9	2.5	4.9700	24	43	1222	71	1490	95.8	96.3	96.5	0.74	0.83	0.87	318
200	315S/M	1283	7.6	2.8	2.8	5.3000	27	49	1332	71	1490	96.1	96.5	96.7	0.74	0.83	0.87	343
220	355M/L	1411	7.4	2.4	2.5	7.5200	27	49	1554	74	1490	96.0	96.6	96.8	0.72	0.8	0.85	387
250	355M/L	1603	7.3	2.3	2.4	8.5910	22	39	1621	74	1490	95.8	96.0	96.3	0.73	0.82	0.85	441
260	355M/L	1667	7.3	2.3	2.4	8.5900	22	39	1621	74	1490	96.2	96.6	96.6	0.73	0.82	0.85	457
280	355M/L	1793	7.3	2.5	2.7	9.6600	27	49	1695	74	1492	96.3	96.6	96.6	0.74	0.83	0.86	486
300	355M/L	1923	7.3	2.8	2.7	10.4000	27	49	1815	74	1491	96.4	96.7	9				

Rated Output kW	Frame	Full Load Torque (Nm)	Locked Rotor Current l/In	Locked Rotor Torque Tl/Tn	Break-down Torque Tb/Tn	Inertia J (kgm ²)	Allowable locked rotor time (s)		Weight (kg)	Sound dB(A)	400 V						Full load current In (A)
							Hot	Cold			% of full load						
											Efficiency			Power Factor			
											50	75	100	50	75	100	

6 Pole - 1000 rpm - 50 Hz

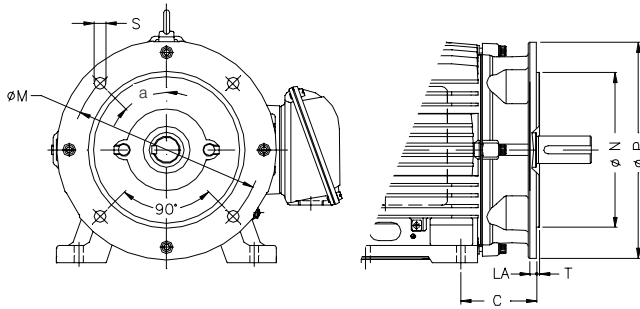
0.25	71	2.71	3.2	2	2	0.0008	121	217	11.5	43	880	58.0	62.8	63.8	0.39	0.51	0.60	0.898
0.37	80	3.82	4.7	2.4	2.5	0.0024	19	34	12.5	43	935	63.0	67.5	70.0	0.48	0.61	0.70	1.09
0.55	80	5.71	4.4	2.3	2.2	0.0034	27	49	16.3	43	920	68.0	71.5	72.8	0.50	0.64	0.74	1.47
0.75	L90S	7.58	5.2	2.5	2.8	0.0066	42	76	22	45	945	78.0	80.1	80.6	0.50	0.62	0.71	1.89
1.1	L90L	11.3	5	2.2	2.1	0.0077	14	24	26.7	45	930	72.0	77.7	79.9	0.48	0.61	0.71	2.8
1.5	100L	15	5.5	2.3	2.8	0.0143	41	73	33.4	44	955	82.0	83.0	84.1	0.49	0.62	0.71	3.63
2.2	112M	22.1	6	2.5	2.6	0.0257	35	64	46	49	950	84.0	85.5	85.6	0.53	0.64	0.72	5.15
3	132S	29.9	6.4	2	2.3	0.0453	52	92	61	53	960	86.0	87.0	87.1	0.52	0.65	0.73	6.81
4	132M	39.8	6.5	2.2	2.5	0.0566	43	79	74.8	53	960	87.0	88.0	88.0	0.53	0.66	0.74	8.87
5.5	132M/L	54.5	7	2.5	2.8	0.0755	35	64	89.7	53	965	87.5	88.5	89.1	0.50	0.64	0.72	12.4
7.5	160M	73.5	6.5	2.3	2.9	0.1492	27	49	121	57	975	89.3	90.3	90.7	0.63	0.74	0.81	14.7
11	160L	107	7.2	2.9	3.3	0.2111	22	39	150	57	980	90.0	90.8	91.2	0.61	0.73	0.80	21.8
15	180L	146	8	2.6	3.2	0.3240	14	24	188	56	980	91.3	91.7	92.0	0.65	0.78	0.84	28
18.5	200L	180	6.2	2.2	2.8	0.3861	26	46	235	60	980	91.7	92.3	92.5	0.65	0.76	0.82	35.2
22	200L	213	6.9	2.6	3	0.4563	24	43	254	60	985	92.0	92.6	92.9	0.60	0.72	0.79	43.3
30	225S/M	291	7.4	2.3	2.8	0.9559	23	42	434	63	985	93.7	94.0	94.0	0.70	0.80	0.85	54.2
37	250S/M	359	7.4	2.3	2.7	1.4200	23	42	486	64	985	94.0	94.4	94.4	0.72	0.81	0.85	66.6
45	250S/M	435	8.5	2.8	2.8	1.6100	14	24	562	64	988	93.5	94.5	94.5	0.67	0.78	0.83	82.8
55	280S/M	531	6.7	2.2	2.7	3.2500	38	68	723	65	990	94.5	95.0	95.3	0.67	0.77	0.82	102
75	280S/M	724	8	3	3.5	4.4800	11	19	923	65	990	94.8	95.1	95.2	0.63	0.75	0.80	142
90	315S/M	869	6.7	2.2	2.5	6.5100	46	83	1048	67	990	95.0	95.4	95.5	0.67	0.78	0.83	164
110	315S/M	1060	6.8	2.4	2.6	7.2300	43	79	1208	67	992	95.5	95.6	96.2	0.67	0.78	0.82	201
132	315S/M	1274	7.2	2.5	2.7	8.3200	35	64	1297	67	990	95.6	96.1	96.3	0.67	0.77	0.82	241
150	355M/L	1448	6	1.9	2.2	8.7800	110	198	1500	73	990	94.1	95.6	96.2	0.65	0.75	0.80	281
160	355M/L	1536	6.5	2.1	2.3	10.2000	45	80	1594	73	995	94.9	95.8	96.2	0.63	0.74	0.79	304
185	355M/L	1778	6.6	2.1	2.4	11.1000	46	83	1666	73	994	94.9	95.6	96.2	0.64	0.74	0.79	351
200	355M/L	1921	6.5	2.1	2.3	12.0000	54	98	1739	73	995	95.4	96.0	96.2	0.64	0.75	0.80	375
220	355M/L	2115	6.5	2.2	2.3	13.4000	49	88	1854	73	994	95.5	96.1	96.2	0.64	0.75	0.80	413
250	355M/L	2403	6.5	2.3	2.4	15.0000	52	92	1970	73	994	95.5	96.1	96.3	0.64	0.75	0.80	468
260	355M/L	2497	6.5	2.3	2.4	15.0000	52	92	1970	73	995	95.5	96.1	96.3	0.64	0.75	0.80	487
280	355M/L	2689	6.5	2	2.4	15.0000	52	92	1970	73	995	95.1	95.7	96.3	0.64	0.75	0.80	525
300	355M/L	2895	6.4	2.1	2.4	15.0000	41	73	1970	73	990	95.2	96.0	96.3	0.63	0.73	0.79	569
355	355A/B	3426	6.2	2	2.3	17.1000	39	71	2200	73	990	95.8	96.0	96.2	0.63	0.74	0.79	674
400	355A/B	3853	6.1	2	2.3	18.9000	39	71	2346	73	992	95.2	96.0	96.2	0.63	0.74	0.79	760

8 Pole - 750 rpm - 50 Hz

0.25	80	3.46	3.3	2	2	0.0034	66	119	16	42	690	53.0	58.0	60.0	0.42	0.53	0.63	0.955
0.37	90S	5.12	3.7	2.1	2.3	0.0055	72	129	19	43	690	61.0	66.0	66.0	0.41	0.53	0.62	1.31
0.55	90L	7.73	3.2	1.6	2	0.0066	56	100	24.6	44	680	67.0	67.5	68.0	0.46	0.59	0.69	1.69
0.75	100L	10.1	4.6	1.9	2.3	0.0127	69	125	31.3	50	710	74.0	77.0	77.0	0.41	0.53	0.62	2.27
1.1	100L	14.9	4.2	1.9	2	0.0143	49	88	33.2	50	705	75.0	79.0	79.6	0.41	0.53	0.62	3.22
1.5	112M	20.3	5	2.5	2.8	0.0238	49	88	43.9	46	705	79.0	80.5	81.2	0.45	0.59	0.68	3.92
2.2	132S	29.6	6.2	2.3	2.5	0.0690	37	66	67.5	48	710	82.8	83.0	83.6	0.51	0.65	0.72	5.28
3	132M	40.4	6.4	2.4	2.6	0.0838	28	52	78.6	48	710	84.1	84.9	85.2	0.51	0.64	0.72	7.06
4	160M	52.4	5	2.1	2.3	0.1229	46	83	114	51	730	85.0	86.8	86.6	0.47	0.61	0.68	9.8
5.5	160M	72.5	5	2.1	2.3	0.1492	38	68	121	51	725	86.0	87.3	87.7	0.52	0.65	0.73	12.4
7.5	160L	98.2	5.3	2.2	2.5	0.2199	30	54	153	51	730	87.0	88.3	88.9	0.52	0.65	0.73	16.7
11	180L	143	7.6	2.9	3.2	0.2846	16	30	176	51	734	89.5	90.0	90.3	0.55	0.68	0.74	23.8
15	200L	196	4.9	1.9	2.1	0.4571	46	83	235	56	733	90.0	91.0	91.4	0.56	0.68	0.74	32
18.5	225S/M	240	6.5	1.7	2.5	0.8219	38	68	377	56	735	93.0	93.0	92.7	0.63	0.75	0.81	35.6
22	225S/M	286	6.7	2.1	2.7	0.9574	30	54	402	56	735	93.0	93.1	93.0	0.63	0.75	0.80	42.7
30	250S/M	390	7.4	2.2	2.8	1.4300	24	43	490	56	735	93.0	93.2	93.2	0.66	0.77	0.83	56
37	250S/M	481	8	2.2	3	1.6608	14	25	570	56	735	93.3	93.5	93.5	0.63	0.75	0.81	70.5
45	280S/M	581	6	1.8	2.2	3.4900	41	73	741	59	740	94.0	94.5	94.5	0.61	0.71	0.76	90.4
55	280S/M	708	7	2.3	2.8	3.9400	24	43	830	59	742	94.0	94.6	94.6	0.55	0.68	0.73	115
75	315S/M	968	6	1.8	2.2	6.5600	54	98	1049	62	740	94.6	95.1	95.2	0.65	0.75	0.80	142
90	315S/M	1162	6	1.9	2.2	7.8400	54	98	1149	62	740	94.9	95.3	95.5	0.65	0.75	0.80	170
110	355M/L	1411	6.2	1.3	2.3	12.6000	76	137	1484	70	745	94.7	95.8	95.8	0.62	0.74	0.79	210
132	355M/L	1693	6.2	1.3	2.3	14.7000	65	117	1587	70	745	95.4	96.1	96.1	0.64	0.74	0.79	251
150	355M/L	1924	6.8	1.6	2.3	16.8000	68	122	1747	70	745	95.5	96.3	96.3	0.64	0.75	0.79	285
160	355M/L	2052	6.4	1.3	2.3	17.3000	76	137	1747	70	745	95.4	95.9	96.3	0.64	0.75	0.80	300
185	355M/L	2373	6.3	1.3	2.3	18.9000	76	137	1819	70	745	95.5	95.9	96.3	0.64	0.75	0.80	347
200	355M/L	2565	6.2	1.5	2.3	19.8000	76	137	1891	70	745	95.5	95.9	96.3	0.65	0.76	0.80	375
220	355M/L	2822	8	2.2	3	19.8363	48	86	1891	70	745	95.3	96.0	96.0	0.60	0.73	0.78	424
250	355A/B	3206	6.2	1.5	2.4	21.7000	64	115	2092	70	745	95.3	95.8	96.3	0.62	0.73	0.79	474
280	355A/B	3591	7.5	2	2.6	25.0000	60	107	2279	70	745	95.3	95.8	96.3	0.61	0.73	0.79	531

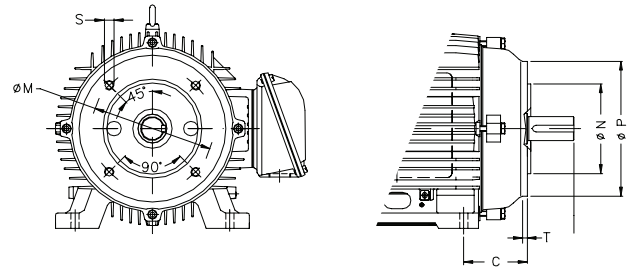
Due to a continuous improvement policy the data contained in this publication is subject to change with out notice. Certified values and dimension for installation are available through your normal WEG Motor supplier or sales office.

“A” (FF) Flange Frame 63-355



Frame	A (FF) FLANGE DIMENSIONS (DIN 42948)									No. of Holes
	Flange	C	LA	M	N	P	T	S	a	
63	FF-115	40	9	115	95	140	3	10	45°	4
71	FF-130	45		130	110	160				
80	FF-165	50	10	165	130	200	3.5	12		
90		56								
100	FF-215	63	11	215	180	250	4	15		
112		70								
132	FF-265	89	12	265	230	300	5	19		
160	FF-300	108							300	
180		121	18	350	300	400				
200	FF-350	133		400	350	450				
225	FF-400	149	18	500	450	550	6	24		
250	FF-500	168							22°30°	
280		190	22	600	550	660				
315	FF-600	216		740	680	800				
355	FF-740	254								

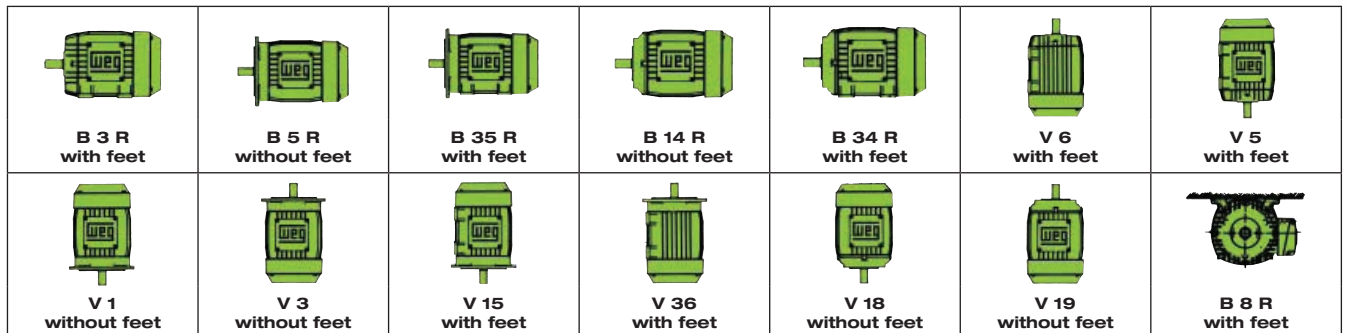
“C” Flange Frames 63-160



Frame	C DIN FLANGE DIMENSIONS (DIN 42677)							No. of Holes
	Flange	C	M	N	P	S	T	
63	C-90	40	75	60	90	M5	2.5	4
71	C-105	45	85	70	105	M6		
80	C-120	50	100	80	120		M8	
90	C-140	56	115	95	140			
100	C-160	63	130	110	160	M8		
112		70					3.5	
132	C-200	89	165	130	200	M10	4	
160	C-250	108	215	180	250	M12	4	

Frame	B14B DIN FLANGE DIMENSIONS (DIN 42677)							No. of Holes
	Flange	C	M	N	P	S	T	
63	FG 063CD120GG	40	100	80	120	M6	3	4
71	FG 071CD140GG	45	115	95	140	M8		
80	FG 080CD160GG	50	130	110	160		M8	
90	FG 090CD160GG	56						
100	FG 100CD200GG	63	165	130	200	M10		
112	FG 112CD200GG	70					3.5	

STANDARD MOUNTING CONFIGURATION AND SYMBOLS



NOTE: The terminal box can be supplied on the top, right or left side viewing the motor from the D.E. shaft. This information must be given when placing an order or when enquiring about special motors.

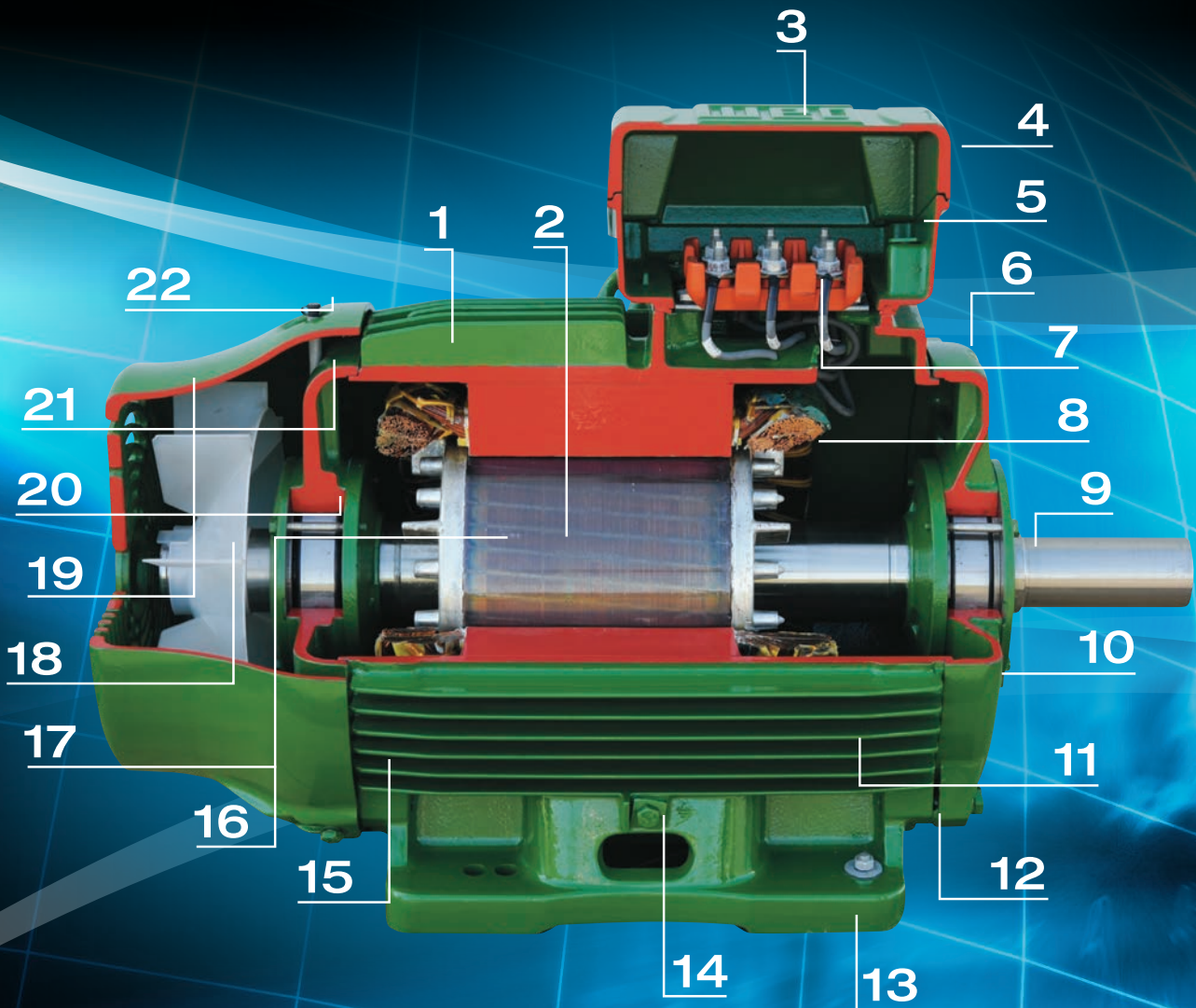
STANDARD FEATURES

- Supply:
 - Up to 100 frame (inclusive): **50Hz**
 - Δ - 220-240V
 - Y - 380-415V
 - From 112 frame on: **60Hz**
 - Δ - 380-415V
 - Y - 660-690V
- Efficiency: Premium High Efficiency E3
- Degree of Protection: IP66
- Insulation: “H” Insulation with B class Temperature Rise
- Thermistors: Type PTC - 160-200 Frames - 1 per phase
- 225 Frame and above - 1 x alarm 160°C - 1x trip 180°C
- IEC Frames 63-355M/L
- Suitable for Continuous Duty (S1)
- High Density FC 200 Cast Iron Frame
- Sealed for Life Bearings from 63 -132 Frames
- Regreasing System 160-355 Frames (inclusive)
- Flange Mounted Motors with Oil Seal
- Manufactured and Tested According to IEC & AS Standards
- Paint: Colour RAL 6002 (Green)
- B3R Mounting Configuration
- WISE® Insulation System: Reliable, Long-Lasting Operation with VSDs

OPTIONAL FEATURES

- Roller and Angular Contact Bearings
- Insulated Bearings
- Shaft Earthed Brush
- Forced Cooling Kit
- Double Shaft End
- Anti Condensation Heaters
- Cable Glands
- Oversized and Undersized Flanges
- NEMA Frames and Flanges
- Top Mounted Terminal Box Motors
- Bearing Thermistors or RTDs
- 1000V Motors
- Special Paint for Aggressive Ambient
- Other Colours
- Special Electrical and Mechanical Characteristics upon request

W22 Three Phase Motor



- | | | | | | |
|----------|---|-----------|--|-----------|---|
| 1 | MAXIMUM HEAT DISSIPATION
The cooler the motor the longer the life | 9 | NEW WSEAL
Higher protection against contaminants | 17 | PREMIUM EFFICIENCY DESIGNS
Exceeding MEPS efficiency levels, reducing power costs |
| 2 | FLAT EFFICIENCY CURVE
For maximum energy savings | 10 | DRIVE END SHIELD
Designed for maximum heat dissipation increasing bearing life | 18 | STANDARD FLAT SURFACES
For consistent vibration analysis |
| 3 | OVERSIZE TERMINAL BOX EASIER AND SAFER CONNECTION | 11 | REDUCED NOISE PRESSURE LEVELS | 19 | INCREASED IMPACT RESISTANT FAN COVER |
| 4 | FLEXIBLE TERMINAL BOX MOUNTING POSITION | 12 | NEW EFFECTIVE DRAIN PLUG
Allowing easy conversion from IP55 to IP66 | 20 | ELECTRICALLY INSULATED BEARING HUB
Reducing bearing cost |
| 5 | NEW CONNECTOR FOR FAST ACCESSORIES CONNECTION | 13 | SOLID INTEGRATED FEET
Increased rigidity and easier installation | 21 | EFFICIENT GREASE PATH TO AND FROM BEARING
Increasing bearing life |
| 6 | OPTIMISED COOLING SYSTEM
The cooler the motor the longer the life | 14 | TWO EARTH TERMINALS EACH SIDE
For flexibility of installation | 22 | EXTENDED LUBRICATION INTERVALS
Less intervention leads to less maintenance costs |
| 7 | TERMINAL BLOCK DESIGN
Prevents rotation assuring protection between terminals | 15 | NEW FRAME RANGE
With extended outputs | | |
| 8 | WISE INSULATION VSD COMPATIBLE | 16 | TOP PREMIUM RATINGS
In same frame size for complete interchangeability | | |