

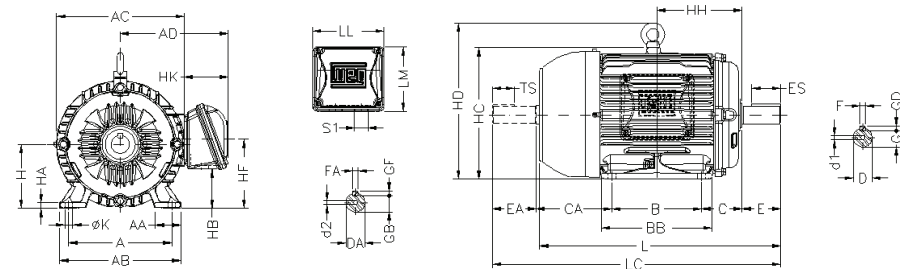
TECHNICAL CATALOGUE

THREE PHASE MOTOR



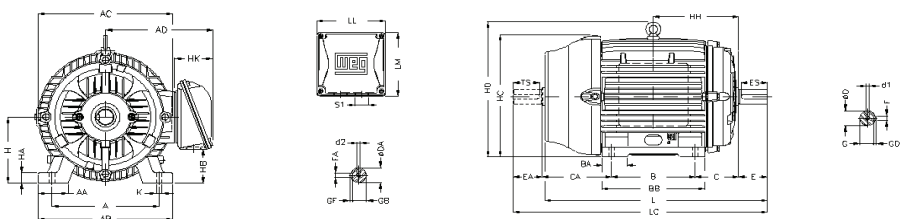
Main Dimensions (mm)																										Bearings		
Frame	A	AA	AB	AC	AD	B	BA	BB	BD	C	CA	H	HA	HB	HC	HD	HF	HG	HH	HK	K	L	LL	LM	LC	S1	D.E.	N.D.E.
63	100	25.5	116	125	123	80	N/A	95	N/A	40	78	63	7	25.5	130	N/A	68.5	N/A	80	59	7	216	108	98	241	M20x1.5	6201-ZZ	6201-ZZ
71	112	28.5	132	141	131	90	N/A	113.5	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	6314-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

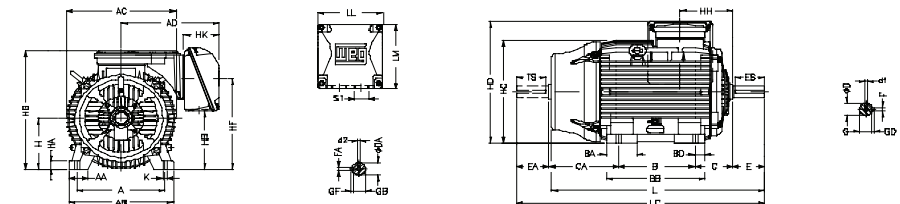


□ Dimension applicable to 2 pole motors only

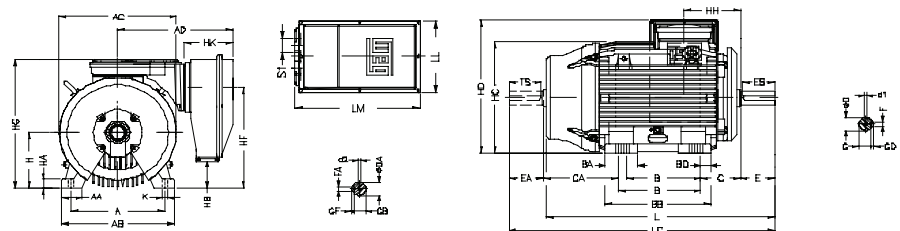
160M to 200L



225S/M to 355M/L



355A/B



Shaft Dimensions (mm)							
Frame	D.E. Shaft						
	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
	60m6	140	125	18	53	11	
250	60m6	140	125	18	53	11	M20
	70m6	140	125	20	62.5	12	
280	65m6	140	125	18	58	11	M20
	80m6	170	160	22	71	14	
315	65m6	140	125	18	58	11	M20
	85m6	170	160	22	76	14	
355	75m6	140	125	20	67.5	12	M20
	100m6	210	200	28	90	16	

□ 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 Tb/Tn	Inertia J (kgm²)	Allowable locked rotor time (s)		Weight (kg)	Sound dB(A)	400 V							
							Hot	Cold			Rated speed (rpm)	% of full load						Full load current In (A)
												Efficiency			Power Factor			
												50	75	100	50	75	100	

2 Pole - 3000 rpm - 50 Hz

0.25	63	0.85	5.5	3.8	3.3	0.0002	17	37	7.9	52	2805	63.0	68.0	69.7	0.54	0.68	0.77	0.672
0.37	71	1.25	6.0	2.5	2.5	0.0004	12	26	10.5	56	2820	73.0	73.8	73.8	0.66	0.79	0.85	0.851
0.55	71	1.86	5.9	2.7	2.7	0.0005	15	33	11	56	2830	75.0	76.0	77.8	0.68	0.80	0.86	1.19
0.75	80	2.51	7.5	3.2	3.2	0.0008	18	40	14.1	59	2860	80.0	82.0	81.0	0.60	0.73	0.81	1.65
1.1	80	3.71	7.2	4.1	3.7	0.0009	23	51	15	59	2835	81.5	83.0	83.0	0.60	0.73	0.80	2.39
1.5	90S	4.97	7.0	2.5	3.0	0.0020	10	22	21.5	62	2885	82.0	83.5	84.2	0.62	0.74	0.81	3.17
2.2	90L	7.32	7.5	3.4	3.4	0.0026	12	26	24.5	62	2870	85.5	86.0	86.3	0.65	0.77	0.83	4.43
3	100L	9.88	8.0	3.1	3.6	0.0064	15	33	35	67	2900	85.0	86.5	87.1	0.69	0.81	0.86	5.78
4*	100L	13.10	7.8	3.3	3.5	0.0064	14	24	37	67	2900	85.2	85.8	85.8	0.67	0.80	0.86	7.82
4	112M	13.20	7.7	2.5	3.5	0.0081	14	31	41	62	2900	88.0	88.4	88.4	0.69	0.80	0.86	7.59
5.5*	112M	18.20	7.0	2.7	3.0	0.0088	14	25	46	70	2880	86.5	87.0	87.0	0.72	0.82	0.87	10.5
5.5	132S	17.90	7.9	2.4	3.5	0.0180	12	26	62	63	2940	86.9	88.7	89.4	0.66	0.78	0.84	10.6
7.5	132S	24.50	8.5	3.0	3.3	0.0234	10	22	70	63	2925	88.5	89.8	90.3	0.68	0.80	0.85	14.1
11	132M	35.90	8.2	2.7	3.0	0.0303	11	24	84	63	2925	90.6	91.1	91.2	0.75	0.85	0.89	19.6
11	160M	35.60	8.0	2.7	3.4	0.0482	12	26	115	67	2950	90.3	91.4	91.4	0.70	0.80	0.85	20.4
15	160M	48.70	8.3	2.8	3.6	0.0551	8	18	120	67	2945	90.9	91.8	92.0	0.67	0.79	0.85	27.7
18.5	160L	60.00	8.5	3.1	3.7	0.0663	6	13	135	67	2945	91.5	92.3	92.6	0.69	0.80	0.85	33.9
22	180M	71.00	8.3	3.2	3.6	0.0968	6	13	170	67	2960	92.0	92.7	92.7	0.69	0.80	0.86	39.8
30	200L	96.7	7.7	3.0	3.0	0.1703	16	35	235	72	2965	92.2	93.2	93.5	0.69	0.80	0.85	54.5
37	200L	119	7.7	3.1	3.0	0.1881	13	29	250	72	2960	92.6	93.4	93.8	0.69	0.79	0.84	67.8
45	225S/M	145	7.7	2.4	3.1	0.2861	13	29	380	74	2960	94.2	94.5	94.2	0.78	0.86	0.89	77.5
55	250S/M	177	8.0	2.8	3.3	0.3736	19	42	460	74	2965	93.3	94.0	94.4	0.75	0.83	0.86	97.8
75	250S/M	242	8.5	3.0	3.2	0.5132	11	24	500	74	2965	94.0	94.6	94.9	0.82	0.87	0.89	128
90	280S/M	289	7.6	2.1	2.9	1.12	27	59	710	77	2976	94.3	95.2	95.2	0.81	0.87	0.89	153
110	280S/M	353	7.5	2.2	2.8	1.33	20	44	790	77	2976	95.0	95.5	95.4	0.80	0.87	0.89	187
132	315S/M	423	7.6	2.2	3.1	1.96	34	75	950	77	2980	94.5	95.4	95.6	0.78	0.86	0.89	224
150	315S/M	481	7.8	2.3	3.0	2.18	20	44	1050	77	2979	95.0	95.6	95.6	0.80	0.86	0.89	254
160	315S/M	513	7.5	2.2	2.9	2.24	28	62	1080	77	2980	95.1	95.8	95.8	0.79	0.86	0.89	271
185	315S/M	594	7.6	2.3	3.1	2.46	22	48	1110	77	2978	95.4	95.8	95.8	0.79	0.86	0.88	317
200	315S/M	642	7.6	2.3	2.9	2.68	31	56	1200	77	2975	95.7	96.2	96.0	0.82	0.88	0.90	334
220	355M/L	704	7.3	1.9	2.6	4.18	47	85	1600	80	2985	95.0	95.6	96.0	0.85	0.89	0.91	363
250	355M/L	800	7.9	2.5	2.7	4.93	27	49	1750	80	2984	95.0	95.6	96.0	0.85	0.89	0.91	413
260	355M/L	832	7.7	2.4	2.7	4.93	41	73	1750	80	2985	95.0	95.6	96.0	0.85	0.89	0.91	430
280	355M/L	896	8.4	2.3	2.9	5.17	34	61	1800	80	2985	95.4	95.8	96.0	0.82	0.88	0.90	468
315	355M/L	1009	7.7	2.6	2.7	6.01	23	51	1950	80	2983	95.5	96.0	96.0	0.87	0.90	0.91	520
400	355A/B	1281	8.2	2.7	2.9	6.76	31	68	2250	83	2984	95.8	96.2	96.4	0.85	0.89	0.91	658
450	355A/B	1442	7.5	2.8	2.7	7.4	31	68	2400	83	2982	95.8	96.2	96.4	0.85	0.90	0.91	740

* Complies with MEPS, does not meet IE3.

4 Pole - 1500 rpm - 50 Hz

0.18	63	1.25	4.6	2.2	2.2	0.0006	30	66	7.2	44	1380	65.0	67.0	69.9	0.53	0.63	0.72	0.516
0.25	71	1.69	4.8	2.4	2.4	0.0009	30	66	8.0	43	1410	69.0	72.0	73.5	0.52	0.62	0.72	0.682
0.37	71	2.55	4.8	2.8	2.7	0.0008	30	66	9.5	43	1385	73.0	75.0	77.3	0.50	0.62	0.70	0.987
0.55	80	3.69	6.6	2.7	3.0	0.0027	20	44	12.5	44	1425	77.0	79.0	80.8	0.61	0.74	0.80	1.23
0.70	80	4.73	6.3	2.8	3.1	0.0029	20	36	17.0	44	1415	77.8	82.9	82.9	0.61	0.74	0.82	1.49
1.1	90S	7.27	7.0	2.3	2.7	0.0055	15	33	19.5	49	1445	83.0	84.5	84.5	0.59	0.72	0.80	2.35
1.5	90L	9.92	7.4	2.6	3.0	0.0066	13	29	23.0	49	1445	84.0	85.0	85.5	0.58	0.72	0.79	3.21
2.2	100L	14.7	7.8	3.6	3.5	0.0090	18	40	31.5	53	1435	86.5	87.0	87.0	0.59	0.72	0.79	4.62
3	L100L	19.9	7.8	3.9	3.2	0.0120	15	33	37.5	53	1440	87.0	88.0	88.0	0.60	0.73	0.80	6.15
4	112M	26.4	7.0	2.6	3.1	0.0180	15	33	44.0	56	1450	88.7	89.1	88.8	0.59	0.71	0.78	8.34
5.5	132S	35.9	8.3	2.3	3.3	0.0491	12	26	66.0	56	1465	89.0	89.6	89.7	0.66	0.78	0.84	10.5
7.5	132M	49.1	8.3	2.4	3.5	0.0563	7	15	74.0	56	1460	90.5	90.8	90.6	0.63	0.76	0.84	14.2
9.2	132M/L	60	8.6	2.8	3.5	0.0698	10	22	82.0	56	1465	90.3	91.0	91.0	0.64	0.76	0.82	17.8
11	160M	71.3	7.5	2.8	3.2	0.1191	11	24	113	61	1475	91.1	91.8	91.6	0.65	0.77	0.83	20.9
15	160L	97.5	7.6	2.8	3.1	0.1534	8	18	140	61	1470	92.2	92.5	92.3	0.66	0.77	0.83	28.3
18.5	180M	120	7.5	3.0	3.2	0.1740	13	29	188	61	1470	91.8	92.6	92.6	0.64	0.76	0.82	35.2
22	180L	143	7.3	3.4	3.4	0.2097	11	24	185	61	1470	92.3	93.0	93.2	0.66	0.77	0.83	41.0
30	200L	194	7.5	2.8	3.1	0.3202	12	26	228	63	1480	92.9	93.6	93.7	0.63	0.75	0.81	57.1
37	225S/M	239	7.7	2.8	3.3	0.5177	13	29	365	63	1480	93.4	94.0	94.1	0.65	0.76	0.82	69.2
45	225S/M	291	7.5	2.8	3.1	0.6733	14	31	400	63	1480	93.7	94.1	94.4	0.69	0.79	0.84	81.9
55	250S/M	355	7.5	2.8	3.0	1.0500	14	31	500	64	1480	94.3	94.7	94.7	0.69	0.80	0.85	98.6
75	250S/M	484	8.0	3.0	3.2	1.2200	8	18	530	64	1480	94.5	94.8	95.0	0.73	0.83	0.87	131
90	280S/M	579	7.0	2.2	2.5	2.1700	20	44	700	69	1485	94.9	95.4	95.4	0.74	0.82	0.85	160
110	280S/M	708	7.7	2.5	2.9	3.2500	19	42	800	69	1485	95.3	95.6	95.6	0.73	0.82	0.85	195
132	315S/M	846	7.5	2.5	2.7	3.7900	20	44	1010	71	1490	95.1	95.7	95.8	0.74	0.82	0.86	231
150	315S/M	962	7.8	2.7	2.7	3.7700	27	59	1030	71	1490	95.4	95.8	95.9	0.71	0.81	0.85	266
160	315S/M	1026	7.7	2.6	2.7	3.9900	28	62	1080	71	1490	95.2	95.9	96.0	0.73	0.82	0.86	280
185	315S/M	1186	7.8	2.9	2.9	4.4200	25	55	1150	71	1491	95.5	96.1	96.0	0.71	0.80	0.85	327
200	315S/M	1284	6.7	2.5	2.4	4.6400	21	46	1250	71	1488	95.8	96.0	96.0	0.78	0.85	0.87	346
220	355M/L	1409	7.4	2.4	2.8	7.3400	20	44	1510	74	1492	96.0	96.0	96.2	0.71	0.80	0.84	393
250	355M/L	1603	7.3	2.3	2.5	7.7000	26	57	1550	74	1490	95.9	96.6	96.2	0.74	0.82	0.86	436
260	355M/L	1667	7.3	2.3	2.5	8.5900	26	57	1550	74	1490	95.9	96.6	96.2	0.74	0.82	0.86	454
280	355M/L	1796	7.3	2.4	2.6	9.6600	20	44	1600	74	1490	95.9	96.0	96.2	0.74	0.83	0.86	488
300	355M/L	1924	7.6	2.3	2.5	8.9500	19	42	1650	74	1490	95.8	96.0	96.2	0.71	0.80	0.85	530
315	355M/L	2019	7.9	2.9	2.8	9.4700	17	37	1750	74	1491	96.1	96.3	96.3	0.71	0.80	0.84	562
330	355M/L	2116	7.1	2.5	2.5	10.7000	20	44	1810	74	1490	95.8	96.0	96.2	0.71	0.82	0.85	583
355	355M/L	2277	7.2	2.4	2.5	11.6000	15	33	1878	74	1490	95.9	96.5	96.4	0.74	0.83	0.86	618
450	355A/B	2886	7.0	2.8	2.8	13.2000	20	44	2089	76	1490	95.8	96.1	96.2	0.69	0.80	0.84	804
500	355A/B	3202	8.3	2.8	2.8	14.6000	17	37	2246	76	1492	95.9	96.3	96.3	0.72	0.81	0.85	882

Rated Output kW	Frame	Full Load Torque (Nm)	Locked Rotor Current I _L /I _N	Locked Rotor Torque T _L /T _N	Break-down Torque T _b /T _N	Inertia J (kgm²)	Allowable locked rotor time (s)		Weight (kg)	Sound dB(A)	400 V							
							Hot	Cold			Rated speed (rpm)	% of full load						Full load current I _N (A)
												Efficiency			Power Factor			
												50	75	100	50	75	100	

6 Pole - 1000 rpm - 50 Hz

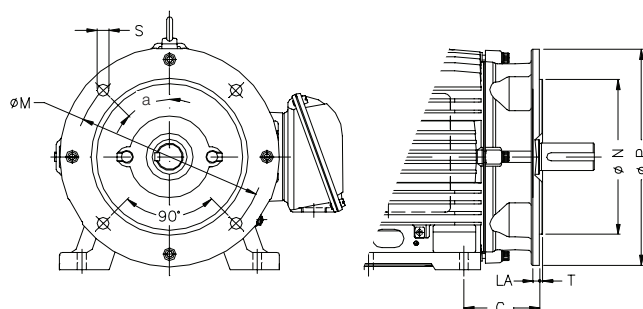
0.25	71	2.6	3.0	1.9	2.1	0.0008	95	171	12.0	43	890	53.0	60.0	61.6	0.37	0.48	0.58	0.76
0.37	80	3.82	4.5	1.9	2.1	0.0025	25	55	12.5	43	925	66.0	69.5	73.5	0.51	0.65	0.75	0.969
0.55	L80	5.56	5.1	2.9	3.1	0.0037	20	44	15.5	43	945	70.5	75.2	77.2	0.45	0.58	0.69	1.49
0.75	L90S	7.54	5.2	2.5	2.8	0.0060	31	68	22.0	45	950	76.5	79.0	79.0	0.49	0.62	0.71	1.93
1.1	90L	11.3	5.0	2.3	2.2	0.0066	23	42	25.3	45	935	76.0	78.1	78.1	0.50	0.63	0.73	2.78
1.5	100L	15.0	5.5	2.7	2.7	0.0143	31	68	32.0	44	955	81.5	82.5	82.5	0.49	0.62	0.71	3.70
2.2	112M	21.9	6.5	2.7	2.7	0.0257	26	57	46.0	49	960	83.0	84.5	84.5	0.48	0.61	0.71	5.29
3	132S	29.6	6.1	1.9	2.4	0.0416	40	88	65.0	53	970	85.0	85.6	85.6	0.53	0.66	0.73	6.93
4	132M	39.6	6.5	2.1	2.6	0.0492	20	44	70.0	53	965	86.0	86.8	86.8	0.53	0.66	0.73	9.11
5.5	132M/L	54.2	7.3	2.6	2.8	0.0755	26	57	78.0	53	970	86.5	88.0	88.0	0.50	0.64	0.70	12.9
7.5	160M	73.5	6.3	2.2	2.5	0.1404	16	35	118	57	975	88.5	89.3	89.1	0.62	0.74	0.80	15.2
11	160L	107	7.1	2.8	3.0	0.1931	12	26	140	57	978	89.0	90.1	90.5	0.56	0.70	0.77	22.8
15	180L	147	8.2	2.8	3.2	0.2970	8	18	185	53	977	91.5	91.5	91.4	0.65	0.77	0.84	28.2
18.5	200L	180	6.3	2.4	2.8	0.3510	16	35	215	60	980	91.0	91.7	91.9	0.63	0.75	0.81	35.9
22	200L	215	6.4	2.4	2.8	0.4212	15	33	225	60	980	91.4	92.0	92.4	0.64	0.76	0.81	42.4
30	225S/M	293	6.5	2.4	2.6	0.8194	15	33	380	63	980	93.0	93.4	93.1	0.67	0.78	0.83	56.0
37	250S/M	359	7.2	2.4	2.7	1.24	20	44	430	64	985	93.3	93.5	93.5	0.72	0.81	0.85	67.2
45	250S/M	437	8.0	2.8	2.8	1.43	18	40	490	64	985	92.4	93.9	93.9	0.76	0.84	0.87	79.5
55	280S/M	532	6.8	2.2	2.5	2.69	24	53	665	65	988	94.0	94.2	94.3	0.66	0.77	0.82	103
75	280S/M	724	7.9	2.7	3.2	4.48	17	37	725	65	990	94.1	94.7	94.7	0.63	0.75	0.81	141
90	315S/M	869	6.4	2.2	2.5	5.42	35	77	990	67	990	95.1	95.5	95.1	0.68	0.78	0.83	165
110	315S/M	1062	6.2	2.1	2.4	6.15	31	68	1040	67	990	95.4	95.6	95.3	0.70	0.80	0.83	201
132	315S/M	1271	7.0	2.4	2.7	7.23	25	55	1100	67	992	95.4	95.8	95.6	0.67	0.77	0.82	243
150	355M/L	1443	5.4	1.8	2.3	8.78	76	167	1440	73	993	94.5	95.0	95.6	0.65	0.75	0.80	283
160	355M/L	1540	5.5	1.8	2.1	8.80	33	73	1500	73	993	94.9	95.6	95.8	0.63	0.74	0.79	305
185	355M/L	1778	6.6	2.1	2.4	9.26	34	75	1550	73	994	94.9	95.6	95.8	0.62	0.72	0.77	362
200	355M/L	1924	6.1	1.9	2.1	10.4	39	86	1620	73	993	95.5	96.0	95.9	0.66	0.76	0.80	376
220	355M/L	2115	6.5	2.1	2.4	12.0	36	79	1710	73	994	95.0	95.5	96.0	0.63	0.74	0.79	419
250	355M/L	2406	6.4	2.2	2.3	13.9	38	84	1830	73	993	95.7	95.9	95.9	0.64	0.75	0.79	476
260	355M/L	2502	5.5	2.1	2.2	13.9	38	84	1830	73	993	95.7	95.9	95.9	0.64	0.75	0.79	495
280	355M/L	2692	6.5	2.3	2.5	15.0	38	84	1970	73	994	95.1	95.1	96.0	0.64	0.75	0.80	526
300	355M/L	2890	5.8	1.9	2.0	15.0	25	55	2493	73	992	95.8	96.0	96.0	0.63	0.74	0.80	564
355	355A/B	3419	6.2	2.0	2.3	17.1	29	64	2200	73	992	95.3	95.7	95.8	0.63	0.74	0.79	677
400	355A/B	3861	6.1	2.0	2.3	18.9	29	64	2346	73	990	94.5	95.8	95.9	0.63	0.74	0.79	762

8 Pole - 750 rpm - 50 Hz

0.25	80	3.44	3.5	2.0	2.2	0.0034	30	66	14.5	42	695	53.0	60.0	64.1	0.42	0.52	0.63	0.894
0.37	90S	5.05	3.7	2.0	2.3	0.0055	30	66	19.0	44	700	61.0	66.0	69.3	0.41	0.53	0.62	1.24
0.55	90L	7.56	3.8	1.9	2.2	0.0066	29	64	23.0	44	695	65.0	70.0	73.0	0.44	0.57	0.67	1.62
0.75	100L	10.1	4.3	1.8	2.1	0.0127	30	66	30.5	50	710	72.5	75.5	75.5	0.41	0.53	0.62	2.31
1.1	100L	14.8	4.6	1.9	2.0	0.0143	30	66	33.0	50	710	73.0	76.0	77.7	0.41	0.53	0.62	3.30
1.5	112M	20.3	5.0	2.5	2.8	0.0238	28	62	43.0	46	705	79.0	79.5	79.9	0.45	0.59	0.68	3.98
2.2	132S	29.6	6.2	2.3	2.5	0.0690	27	59	69.0	48	710	81.5	82.0	82.1	0.51	0.65	0.72	5.37
3	132M	40.4	6.4	2.4	2.6	0.0838	21	46	75.0	48	710	82.5	83.5	83.5	0.51	0.64	0.72	7.20
4	160M	52.4	5.0	2.1	2.3	0.1229	34	75	114	51	730	85.0	86.0	86.0	0.47	0.61	0.68	9.87
5.5	160M	72.5	5.0	2.1	2.3	0.1492	28	62	123	51	725	86.0	87.3	87.3	0.52	0.65	0.73	12.5
7.5	160L	98.0	5.5	2.2	2.5	0.2199	22	48	145	51	731	86.5	88.0	88.4	0.46	0.59	0.68	18.0
11	180L	144	6.5	2.3	2.7	0.2846	12	26	185	52	730	88.7	89.2	89.7	0.55	0.68	0.76	23.3
15	200L	196	4.9	1.8	2.0	0.4571	33	73	220	56	730	89.8	89.9	90.0	0.56	0.68	0.74	32.5
18.5	225S/M	241	6.5	1.7	2.5	0.8219	28	62	377	56	735	89.8	90.3	90.3	0.63	0.75	0.81	36.5
22	225S/M	286	7.0	2.1	2.7	0.9574	20	44	402	56	735	90.3	90.8	90.8	0.61	0.73	0.79	44.3
30	250S/M	393	7.4	1.9	2.8	1.43	18	40	490	56	730	91.0	91.5	91.5	0.66	0.77	0.83	57.0
37	250S/M	484	8.0	2.3	3.0	1.61	12	26	550	56	730	91.5	92.0	92.0	0.60	0.72	0.79	73.5
45	280S/M	581	6.0	1.8	2.2	3.49	30	66	720	59	740	92.2	92.4	92.4	0.63	0.73	0.79	89.0
55	280S/M	710	5.8	2.0	2.1	3.38	26	57	812	59	740	92.2	92.7	92.7	0.60	0.71	0.77	111
75	315S/M	968	6.0	1.8	2.2	6.56	40	88	1025	62	740	92.8	93.3	93.3	0.65	0.75	0.80	145
90	315S/M	1159	6.5	2.1	2.3	7.84	40	88	1100	62	742	93.1	93.6	93.6	0.65	0.75	0.80	173
110	355M/L	1411	6.1	1.3	2.3	11.6	63	139	1450	70	745	93.4	93.9	93.9	0.64	0.75	0.79	214
132	355M/L	1693	6.5	1.3	2.3	12.6	48	106	1587	70	745	93.7	94.2	94.2	0.64	0.74	0.79	256
150	355M/L	1926	6.5	1.6	2.5	13.2	45	99	1540	70	744	94.0	94.2	94.2	0.62	0.73	0.78	295
160	355M/L	2055	6.4	1.4	2.3	17.4	30	66	1747	70	744	94.0	94.5	94.5	0.64	0.75	0.79	309
185	355M/L	2373	6.9	2.0	2.9	18.5	56	123	1819	70	745	93.4	94.7	94.7	0.63	0.73	0.78	361
200	355M/L	2565	6.2	1.3	2.3	18.9	56	123	1891	70	745	94.3	94.8	94.8	0.65	0.76	0.80	381
220	355M/L	2825	7.0	1.8	2.6	19.8	30	66	2020	70	744	94.8	95.1	95.2	0.60	0.72	0.77	433
250	355A/B	3211	6.2	1.6	2.5	21.7	47	103	2092	70	744	94.8	95.3	95.3	0.62	0.73	0.79	479
280	355A/B	3591	7.8	2.2	3.1	25.0	30	66	2279	70	745	94.1	95.1	95.3	0.61	0.72	0.77	551

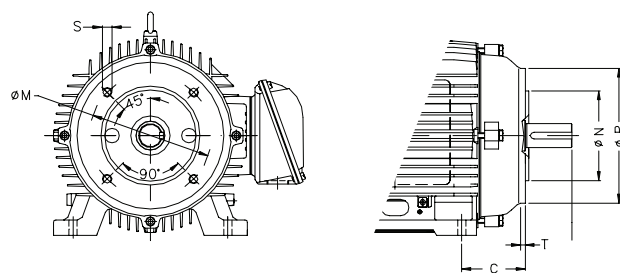
Due to a continuous improvement policy the data contained in this publication is subject to change without notice.
 Certified values and dimension for installation are available through your normal WEG Motor supplier or sales office.

“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	3.5			
80	FF-165	50	10	165	130	200		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	22°30°	8
160	FF-300	108	18	300	250	350				
180		121								
200	FF-350	133		350	300	400				
225	FF-400	149		400	350	450				
250	FF-500	168	22	500	450	550	6	24		
280		190								
315	FF-600	216	22	600	550	660	6	24		
355	FF-740	254		740	680	800				

“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	3	
90	C-140	56	115	95	140			
100	C-160	63	130	110	160	M8	3.5	
112		70						
132	C-200	89	165	130	200	M10		
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		3.5	
90	FG 090CD160GG	56						
100	FG 100CD200GG	63	165	130	200	M10		
112	FG 112CD200GG	70						

STANDARD MOUNTING CONFIGURATION AND SYMBOLS

B 3 R with feet	B 5 R without feet	B 35 R with feet	B 14 R without feet	B 34 R with feet	V 6 with feet	V 5 with feet
V 1 without feet	V 3 without feet	V 15 with feet	V 36 with feet	V 18 without feet	V 19 without feet	B 8 R with feet

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.

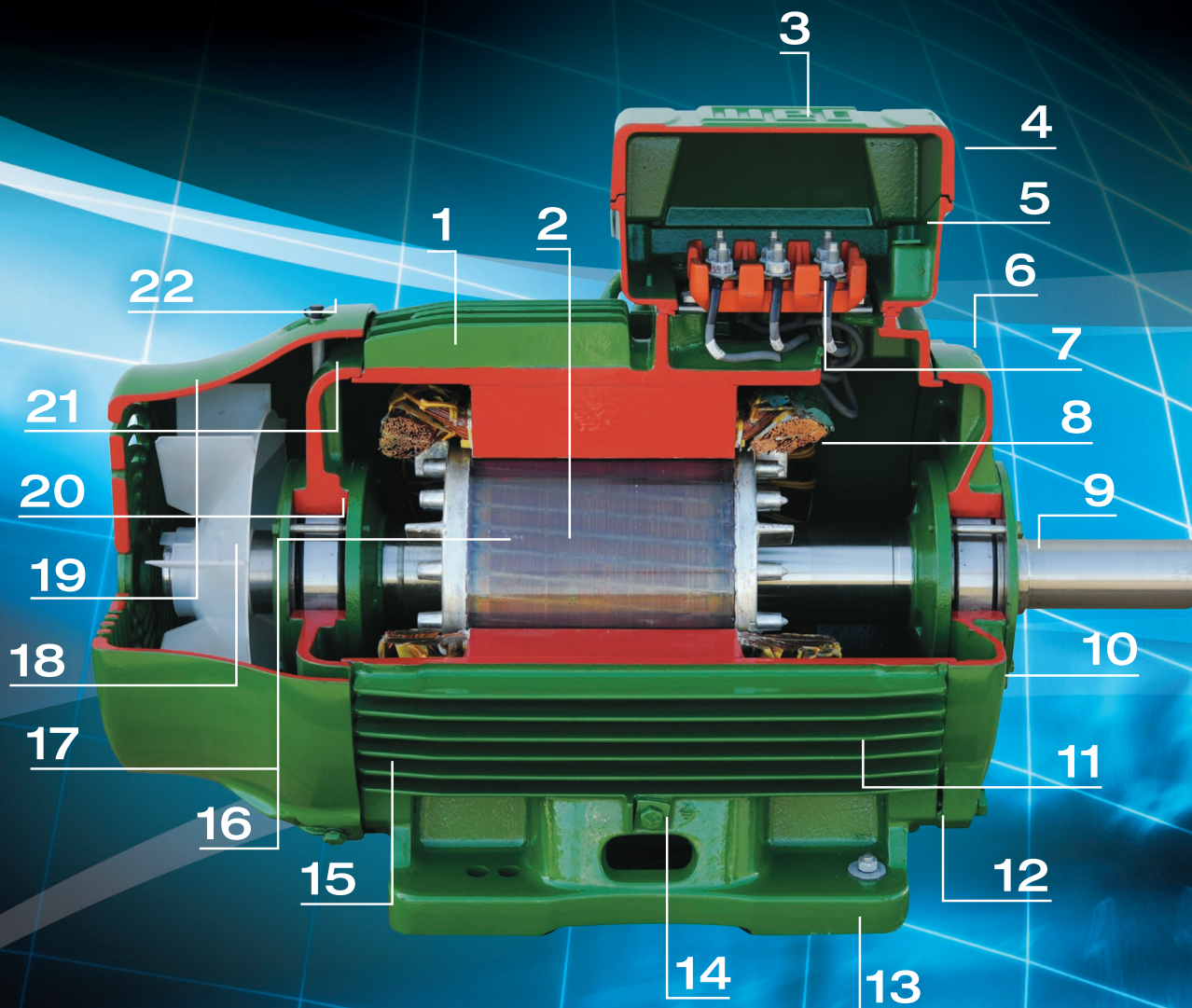
STANDARD FEATURES

- Supply
 - Up to 100 frame (inclusive)
 - 50Hz**
 - Δ - 220-240V
 - Y - 380-415V
 - From 112 frame on:
 - Δ - 380-415V
 - Y - 660-690V
 - 60Hz**
 - 254-276V
 - 440-480V
 - 440-480V
 - 760-830V
- Efficiency: Premium High Efficiency IE3
- 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
- Complies with New Zealand - New Efficiency Requirements (Three Phase Electric Motors) 2019

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 | | |