

6.0 Dimensions of Foot Mounted Motors (B-3 Mounting) as per IS : 1231

(Standard, Brake & Crane, Hoist duty motors)

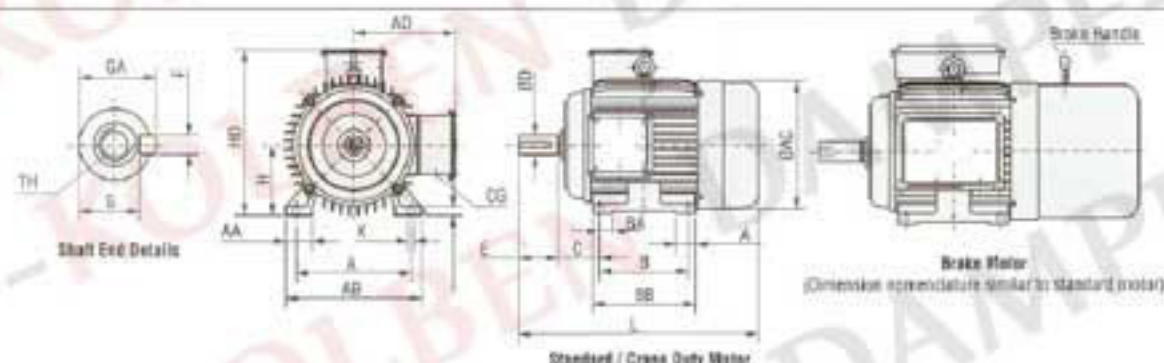


Table No. - 03

Frame Size	H-Q5	C	A	AB	AA	HA	BK	B	BB	BA	AD	BD	BAC	BO	E	F	G	GA	TH	L	CG X Nos.	For Brake Motor L	For 10 Motor L	T-Box Position
63	63	40	100	118	27	8	7	80	87	18	100	100	118	11.6	20	4	8.5	12.5	M5	215	3/4-1	275	—	TOP
71	71	45	112	138	31	9	7	90	110	28	110	178	138	14.6	30	5	11.0	16.0	M5	245	3/4-1	320	320	TOP
80	80	50	125	152	38	12	10	100	124	28	105	148	168	19.6	40	8	15.5	21.5	M6	280	3/4-1	370	340	TOP
90S	90	56	140	170	49	14	10	100	125	28	150	238	170	24.6	50	8	20.0	27.0	M8	345	3/4-1	430	370	RHS
90L	90	56	140	170	49	13	10	125	148	33	130	230	178	24.6	50	8	20.0	27.0	M8	360	3/4-1	450	390	TOP
100L	100	63	160	200	42	13	12	140	172	43	170	270	210	28.6	60	8	24.0	31.0	M10	400	3/4-1	490	430	RHS
112M	112	70	180	230	50	15	12	140	170	—	175	290	225	28.6	60	8	24.0	31.0	M10	460	3/4-1	500	—	RHS
122S	132	85	218	256	59	16	12	140	167	—	210	310	257	38.6	80	10	33.0	41.0	M12	460	3/4-2	580	—	RHS
132M	132	85	218	256	59	16	12	178	205	—	210	310	257	38.6	80	10	33.0	41.0	M12	500	3/4-2	615	—	RHS
160M	160	108	254	304	55	18	15	210	260	—	230	365	313	42.6	110	12	37.0	45.0	M16	610	1-2	730	—	RHS
160L	160	108	254	304	58	18	15	234	300	—	230	368	313	42.6	110	12	37.0	48.0	M16	650	1-2	770	—	RHS
180M	180	121	278	340	69	20	15	241	318	—	255	405	357	48.6	110	14	42.5	51.5	M16	710	1-2	835	—	RHS
180L	180	121	278	340	69	20	15	278	318	—	255	405	357	48.6	110	14	42.5	51.5	M16	710	1-2	835	—	RHS
200L	200	130	318	385	65	25	19	305	350	—	310	510	381	55.6	110	16	48.0	58.0	M20	780	2-2	925	—	TOP
220S (2 P)	225	149	358	440	85	30	19	286	370	60	340	565	445	60.6	110	18	48.0	58.0	M20	815	2-2	955	—	TOP
225S (4,6,8 P)	225	149	358	440	85	30	19	288	370	60	340	565	445	60.6	140	18	53.0	64.0	M20	845	2-2	985	—	TOP
225M (2 P)	225	149	358	440	85	30	19	311	370	60	340	565	445	60.6	110	18	48.0	58.0	M20	815	2-2	1015	—	TOP
225M (4,6,8 P)	225	149	358	440	85	30	19	311	370	60	340	565	445	60.6	140	18	53.0	64.0	M20	845	2-2	1015	—	TOP
250M (2 P)	250	168	400	500	100	36	24	345	425	100	400	650	484	60.6	140	18	53.0	64.0	M20	980	2-2	—	—	TOP
250M (4,6,8 P)	250	168	406	500	100	36	24	348	425	100	400	650	484	60.6	140	18	53.0	68.0	M20	980	2-2	—	—	TOP
280S (2 P)	280	190	457	540	119	40	24	363	490	100	430	710	540	65.6	140	18	58.0	68.0	M20	1075	2-2	—	—	TOP
280S (4,6,8 P)	280	190	457	540	119	40	24	363	490	100	430	710	540	75.6	140	20	67.5	78.5	M20	1045	2-2	—	—	TOP
280M (2 P)	280	190	457	540	119	40	24	419	490	100	430	710	540	65.6	140	18	58.0	68.0	M20	1075	2-2	—	—	TOP
280M (4,6,8 P)	280	190	457	540	119	40	24	419	490	100	430	710	540	75.6	140	20	67.5	78.5	M20	1045	2-2	—	—	TOP
315S (2 P)	315	216	508	620	129	50	28	406	600	120	520	835	625	65.6	140	18	58.0	68.0	M20	1240	2-2	—	—	TOP
315S (4,6,8 P)	315	216	508	620	129	50	28	408	600	120	520	835	625	80.6	170	22	71.0	85.0	M20	1245	2-2	—	—	TOP
315M (2 P)	315	216	508	620	129	50	28	457	600	120	520	835	625	65.6	140	18	58.0	68.0	M20	1240	2-2	—	—	TOP
315M (4,6,8 P)	315	216	508	620	129	50	28	457	600	120	520	835	625	80.6	170	22	71.0	85.0	M20	1245	2-2	—	—	TOP
315L (2 P)	315	216	508	620	129	50	28	508	600	120	520	835	625	65.6	140	18	58.0	68.0	M20	1240	2-2	—	—	TOP
315L (4,6,8 P)	315	216	508	620	129	50	28	508	600	120	520	835	625	80.6	170	22	71.0	85.0	M20	1245	2-2	—	—	TOP
355S (2P)	355	254	610	730	129	45	28	500	780	125	625	980	710	80.6	170	22	71.0	85.0	M20	1530	2 1/2-2	—	—	TOP
355S (4,6,8P)	355	254	610	730	129	45	28	500	780	125	625	980	710	100.6	210	28	90.0	106	M24	1570	2 1/2-2	—	—	TOP
355M (2P)	355	254	610	730	129	45	28	560	780	125	625	980	710	80.6	170	22	71.0	85.0	M20	1530	2 1/2-2	—	—	TOP
355M (4,6,8P)	355	254	610	730	129	45	28	560	780	125	625	980	710	100.6	210	28	90.0	106	M24	1570	2 1/2-2	—	—	TOP
355L (2P)	355	254	610	730	129	45	28	500	780	125	625	980	710	80.6	170	22	71.0	85.0	M20	1530	2 1/2-2	—	—	TOP
355L (4,6,8P)	355	254	610	730	129	45	28	500	780	125	625	980	710	100.6	210	28	90.0	106	M24	1570	2 1/2-2	—	—	TOP

7.0 Dimensions of Face Mounted Motors (B-14 Mounting) as per IS : 2223

(Standard, Brake, Crane & Hoist duty motors)

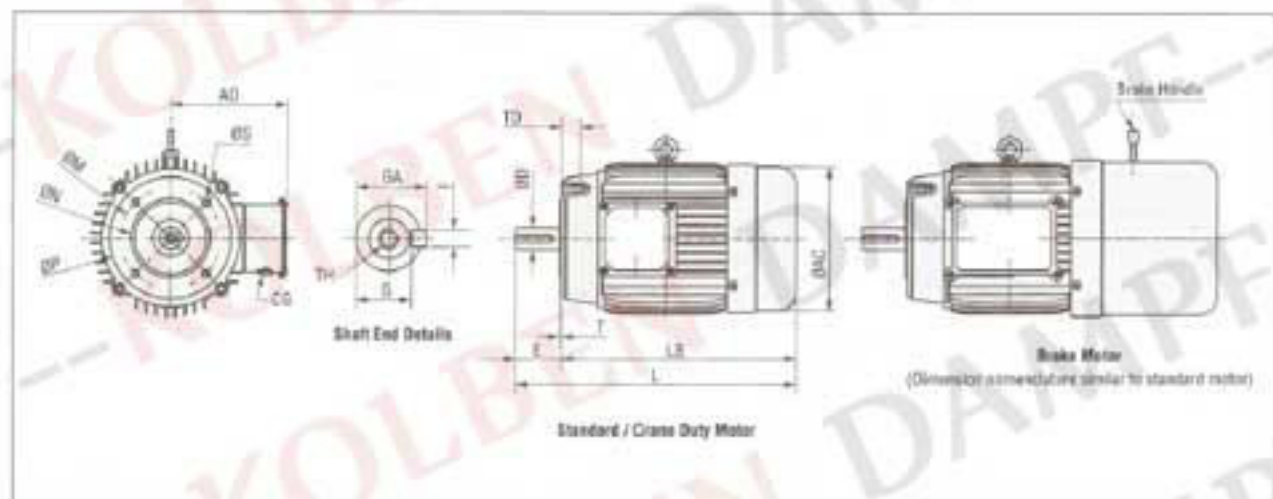


Table No. - 04

Frame Size	Flange No.	BM ±0.3	BN H	BP	S	TD	T	LB	A0	BAC	ØD	E	F	G	GA	TH	L	CG X No.	For Brake Motor		For 18 Motor	
																			LB	L	LB	L
63	F75C	75	90	90	M5	8	2.5	175	100	118	11.8	23	4	6.5	12.5	M5	215	3/4"-1	232	275	—	—
71	F85C	85	70	105	M6	8	2.5	200	110	138	14.8	30	5	11.0	18.0	M5	245	3/4"-1	290	320	291	321
80	F100C	100	90	120	M6	8	3.0	226	135	138	18.8	40	8	15.5	21.5	M6	290	3/4"-1	325	375	297	327
90S	F115C	115	95	140	M6	10	3.5	296	150	158	24.8	50	8	20.0	27.0	M8	345	3/4"-1	380	430	320	370
90L	F115C	115	95	140	M8	10	3.5	306	150	158	24.8	50	8	20.0	27.0	M8	360	3/4"-1	406	450	341	391
100L	F130C	130	116	160	M8	10	3.5	320	175	219	28.8	60	8	24.0	31.0	M10	400	3/4"-1	430	490	376	436
112M	F130C	130	116	160	M8	10	3.5	325	175	225	28.8	60	8	24.0	31.0	M10	400	3/4"-1	440	500	—	—
132S	F165C	165	130	196	M12	14	3.5	375	210	257	38.8	80	10	32.0	41.0	M12	480	3/4"-2	500	580	—	—
132M	F165C	165	130	196	M12	14	3.5	412	210	257	38.8	80	10	32.0	41.0	M12	500	3/4"-2	525	615	—	—

8.0 Dimensions of Flange Mounted Motors (B-5 Mounting) as per IS : 2223

(Standard, Brake & Crane, Hoist duty motors)

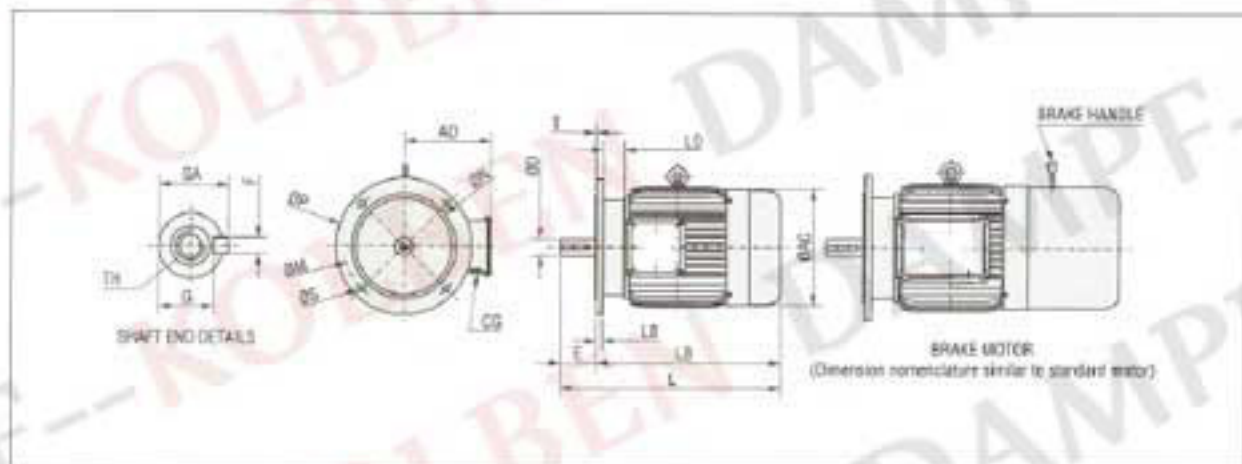


Table No. - 05

Frame Size	Flange No.	DN as IS	BN as IS	BP Min.	BS X No.	T	LA	LB	LB	AD	BAC	BD	E	F	B	GA	TH	L	CG X No.	For Brake Motor		For TD Motor	
																				L	LB	L	LB
63	F115B	115	95	140	10X4	3.0	10	125	19	100	118	11.6	23	4	8.5	12.5	M5	215	3/4"-1	275	252	-	-
71	F130B	130	110	160	10X4	3.5	10	200	10	115	136	14.6	20	5	11.0	16.0	M5	245	3/4"-1	320	290	321	291
80	F155B	165	130	200	12X4	3.5	11	230	16	115	158	19.6	40	6	15.5	21.5	M6	280	3/4"-1	370	335	337	291
90S	F165B	165	130	200	12X4	3.5	11	250	22	121	178	24.6	50	8	20.0	27.0	M6	345	3/4"-1	430	380	379	320
90L	F165B	165	130	200	12X4	3.5	11	305	22	121	178	24.6	50	8	20.0	27.0	M6	380	3/4"-1	430	380	391	341
100L	F215B	215	180	250	15X4	4.0	11	305	22	170	210	28.6	60	8	24.0	31.0	M10	400	3/4"-1	490	430	430	378
112M	F215B	215	180	250	15X4	4.0	11	335	25	175	225	28.6	80	8	24.0	31.0	M10	450	3/4"-1	500	440	-	-
132S	F265B	265	230	300	15X4	4.0	12	375	48	215	257	38.6	90	10	33.0	41.0	M12	460	3/4"-2	560	500	-	-
132M	F265B	265	230	300	15X4	4.0	12	412	48	215	257	38.6	90	10	33.0	41.0	M12	500	3/4"-2	515	535	-	-
160M	F300B	300	250	350	18X4	5.0	13	492	55	230	213	42.6	110	12	37.0	45.0	M16	610	1"-2	720	629	-	-
160L	F300B	300	250	350	18X4	5.0	13	532	55	230	213	42.6	110	12	37.0	45.0	M16	650	1"-2	770	669	-	-
180M/L	F300B	300	250	350	18X4	5.0	13	600	60	255	257	48.6	110	14	42.5	51.5	M16	750	1"-2	825	725	-	-
200L	F355B	350	300	400	18X4	5.0	15	605	71	318	281	55.6	110	16	48.0	58.0	M20	780	2"-2	-	925	-	-
225S/M (2 P)	F400B	400	350	450	19X5	5.0	16	705	85	348	445	55.6	110	18	48.0	58.0	M20	815	2"-2	-	-	-	-
225S/M (4, 6, 8 P)	F400B	400	350	450	19X5	5.0	16	705	85	348	445	60.6	143	18	53.0	64.0	M20	945	2"-2	-	-	-	-
250M (2 P)	F500B	500	450	550	19X5	5.0	22	840	90	400	484	60.6	143	18	53.0	64.0	M20	980	2"-2	-	-	-	-
250M (4, 6, 8 P)	F500B	500	450	550	19X5	5.0	22	790	90	400	484	65.6	143	18	58.0	69.0	M20	930	2"-2	-	-	-	-
280S/M (2 P)	F600B	600	480	580	19X5	5.0	22	935	90	430	540	65.6	143	18	58.0	69.0	M20	1075	2"-2	-	-	-	-
280S/M (4, 6, 8 P)	F600B	600	480	580	19X5	5.0	22	985	90	430	540	75.6	143	20	67.5	78.5	M20	1045	2"-2	-	-	-	-
315S/M/L (2 P)	F600B	600	550	660	24X5	5.0	22	1130	90	530	625	65.6	143	18	58.0	69.0	M20	1249	2"-2	-	-	-	-
315S/M/L (4, 6, 8 P)	F600B	600	550	660	24X5	5.0	22	1075	90	530	625	80.6	179	22	71.0	85.0	M20	1245	2"-2	-	-	-	-
355S/M/L (2 P)	F740B	740	680	800	24X5	6.0	25	1360	45	625	710	80.6	179	22	71.0	85.0	M20	1530	2 1/2"-2	-	-	-	-
355S/M/L (4, 6, 8 P)	F740B	740	680	800	24X5	6.0	25	1360	45	625	710	100.6	210	26	80.0	96.0	M24	1579	2 1/2"-2	-	-	-	-

4.0 Standard Motors : Output Summary

Table No. - 2A

Frame output summary for LHP Three Phase Induction Motor

Output (kW / HP)	Pole-wise Frame Size									
	Standard & Brake Induction Motor				Crane Duty Motor		Flame Proof Motor			
	2 Pole	4 Pole	6 Pole	8 Pole	4 Pole	6 Pole	2 Pole	4 Pole	6 Pole	8 Pole
0.12 / 0.16	63	63	71	—	—	—	71	71	71	—
0.18 / 0.25	63	63	71	80	—	—	71	71	71	80
0.25 / 0.33	63	71	71	80	—	—	71	71	71	80
0.37 / 0.50	71	71	80	90S	71	71	71	71	80	90S
0.55 / 0.75	71	80	80	90L	71	80	71	80	80	90L
0.75 / 1.00	80	80	90S	100L	80	80	80	80	90S	100L
1.10 / 1.50	80	90S	90L	100L	80	90S	90S	90S	90L	100L
1.50 / 2.00	90S	90L	100L	112M	90S	90L	90S	90L	100L	112M
2.20 / 3.00	90L	100L	112M	132S (112M)	90L	100L	90L	100L	112M	132S
3.70 / 5.00	100L	112M	132S	160M (132M)	100L	112M	100L	112M	132S	160M
5.50 / 7.50	132S (112M)	132S	132M	160M	112M	132S	132S	132S	132M	160M
7.50 / 10.00	132S	132M	160M	160L	132M	132M	132S	132M	160M	160L
9.30 / 12.50	(132M)	(160M)	(160L)	—	(132M)	(160M)	(132M)	(160M)	(160L)	—
11.00 / 15.00	160M	160M	160L	160L	160M	160M	160M	160M	160L	160L
15.00 / 20.00	160M	160L	180L	200L	160M	160L	160M	160L	180L	200L
18.50 / 25.00	160L	180M	200L	225S	160L	—	160L	180M	200L	225S
22.00 / 30.00	180M	180L	200L	250M	—	—	180M	180L	200L	250M
30.00 / 40.00	200L	200L	225M	250M	—	—	200L	200L	225M	250M
37.00 / 50.00	200L	225S	250M	280S	—	—	200L	225S	250M	280S
45.00 / 60.00	225M	225M	280S	280M	—	—	225M	225M	280S	280M
55.00 / 75.00	250M	250M	280M	315S	—	—	250M	250M	280M	315S
75.00 / 100.00	280S	280S	315S	315S	—	—	280S	280S	315S	315S
90.00 / 120.00	280M	280M	315M	315M	—	—	280M	280M	315M	315M
110.00 / 150.00	315S	315S	315M	315M	—	—	315S	315S	315M	315M
125.00 / 170.00	315M	315M	—	—	—	—	315M	315M	—	—
132.00 / 180.00	(315M)	(315M)	(315L)	(315L)	—	—	(315M)	(315M)	(315L)	(315L)
160.00 / 215.00	(315L)	(315L)	(315L)	(315L)	—	—	(315L)	(315L)	(315L)	(315L)
180.00 / 250.00	(315L)	(315L)	—	—	—	—	(315L)	(315L)	—	—
200.00 / 270.00	(315L)	(315L)	(355L)	(355L)	—	—	(315L)	(315L)	—	—
225.00 / 300.00	(355L)	(355L)	(355L)	(355L)	—	—	—	—	—	—
250.00 / 335.00	(355L)	(355L)	(355L)	—	—	—	—	—	—	—
275.00 / 370.00	—	—	(355L)	—	—	—	—	—	—	—
315.00 / 425.00	(355L)	(355L)	—	—	—	—	—	—	—	—

Note : Frame size ratings are as per IS standards except those ratings in bracket. These are as per LHP standard.