

IEC Three Phase Squirrel-Cage Motors Standard Motors up to Frame Size 160

Technical Data

Aluminium housing. Basic version

IE1	Rated Output kW	Size	Type	Rated Speed rpm	Nominal Efficiency	Power Factor	Rated Current at 400v A	Rated Torque Nm	Starting Torque	Starting Current
									For Direct-on-line starting as multiple of the rated	
									Torque	Current
1000 rpm, 6-poles, 50 Hz, 400V										
0.09	63	41904	850	45.0	0.66	0.44	1.0	1.8	2.0	
0.18	71	36184	850	53.0	0.73	0.67	2.0	2.1	2.3	
0.25		36255	860	60.0	0.76	0.79	2.8	2.2	2.7	
0.37	80	38374	920	62.0	0.72	1.20	3.8	1.9	3.1	
0.55		38554	910	67.0	0.74	1.60	5.8	2.1	3.4	
0.75	90	40754	915	69.0	0.76	2.05	7.8	2.2	3.7	
1.1		40115	915	72.0	0.77	2.85	11.0	2.3	3.8	
1.5	100L	44155	925	74.0	0.75	3.90	15.0	2.3	4.0	
2.2	112M	47225	940	78.0	0.78	5.20	22.0	2.2	4.6	
3	132	50035	950	79.0	0.76	7.20	30.0	1.9	4.2	
4		50045	950	80.5	0.76	9.40	40.0	2.1	4.5	
5.5		50555	950	83.0	0.76	12.60	55.0	2.3	5.0	
7.5	160	53755	960	86.0	0.74	17.00	75.0	2.1	4.6	
11		53115	960	87.5	0.74	24.50	109.0	2.3	4.8	
750 rpm, 8-poles, 50 Hz, 400V										
0.09	71	36905	630	53.0	0.68	0.36	1.4	1.9	2.2	
0.12		36125	645	53.0	0.64	0.51	1.8	2.2	2.2	
0.18	80	38185	675	51.0	0.68	0.75	2.5	1.7	2.3	
0.25		38255	685	55.0	0.64	1.02	3.5	2.0	2.6	
0.37	90	40375	675	63.0	0.75	1.14	5.2	1.6	2.9	
0.55		40555	675	66.0	0.76	1.58	7.8	1.7	3.0	
0.75	100L	44755	680	66.0	0.76	2.15	11.0	1.6	3.0	
1.1		44115	680	72.0	0.76	2.90	15.0	1.8	3.3	
1.5	112M	47155	705	74.0	0.76	3.85	20.0	1.8	3.7	
2.2	132	50227	700	75.0	0.74	5.70	30.0	1.9	3.9	
3		50037	700	77.0	0.74	7.60	41.0	2.1	4.1	
4	160	53045	715	80.0	0.72	10.00	53.0	2.2	4.5	
5.5		53555	710	83.5	0.73	13.00	74.0	2.3	4.7	
7.5		53755	715	85.5	0.72	17.60	100.0	2.7	5.3	

* Flange-mounted (B5) and foot-mounted (B3) are available for all type of motors.

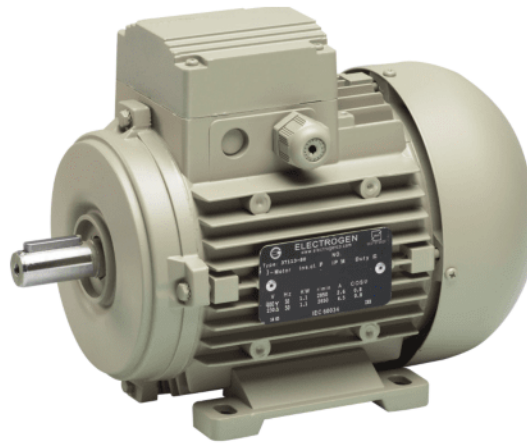


ELECTROGEN



IEC Three Phase Squirrel-Cage Motors
Foot-Mounted Motor, IMB3

Dimensions



Frame Size	Housing		No. of Poles	Dimension drawing according to IEC																				
	Cast Aluminium	Cast Iron		H	B	A	C	K	K'	D	E	F	GA	HA	BB	AB	AC	HB	LB	L				
63	Yes	No	2-8	63	80	100	40	M6	12	11	23	4	12.5	7	101	120	124	155	91.5	208				
71				71	90	112	47		11	14	30	5	16	8	112	136	141	171.5	105	244				
80				100	124.5	50	M8	15.5	19	40	6	21.5	12	125	150	159	193	118	273					
90S								18	24	50	26.9	13	123	171	176	210	133	306						
90L				125	140	56	M10	21	28	60	8	30.9	12.5	174.5	194	194.5	235	152.5	403					
100													14	183	226.5	219.5	259	161	416					
112				Yes	Yes	2-8	112	140	190	70	M12	23	42	38	80	10	41.3	16	248	260	259	327	215	532
132							178-210	216	89	19														
160				No	Yes	2-8	160	254	254	108	M16	26	55	16	58.8	27	352	377	395	495	307	723		
180							239-277	279	121	27													60	140
200				200	305	318	133																	
225				225	286-311	357	149																	

