Technical Specifications - Three Phase Motors

Frame v/s output relation and performace value of Three Phase 415 V ± 10%, 50 HZ ± 5%, Combined variation of + 10%, T.E.F.C., IP 55 Degree of protection, class F insulation with Temp rise limited to 70°C, ambient 50°C, SI duty cycle moters generally conforming to IS 325 / IEC 34

Output		2 Pole Motor				4 Pole Motor				6 Pole Motor				8 Pole Motor			
KW		3000 rpm Synchronous				1500 rpm Synchronous				1000 rpm Synchronous				750 rpm Synchronous			
	H.P.																
		Frame Size	Full Load R.P.M	Full Load Current	Efficiency %	Frame Size	Full Load R.P.M	Full Load Current	Efficiency %	Frame Size	Full Load R.P.M	Full Load Current	Efficiency %	Frame Size	Full Load R.P.M	Full Load Current	Efficiency %
0.12	0.16	-	-	-	-	63	1320	0.45	49	63	850	0.6	56	-	-	-	-
0.18	0.25	63	2750	0.5	68	63	1380	0.9	66	71	880	0.85	57	80	640	0.8	52
0.25	0.33	63	2750	0.7	71	71	1380	1	69	71	890	1.1	61	80	660	1	66
0.37	0.5	71	2750	1.1	72	71	1370	1.2	67	80	900	1.2	68	90 S	660	1.3	66
0.55	0.75	71	2760	1.5	72	80	1390	1.6	72	80	900	1.7	71	90 L	670	2	67
0.75	1	80	2840	1.75	73.5	80	1400	2.1	73	90 S	900	2.3	72	100 L	700	2.6	69
1.1	1.5	80	2840	2.5	79	90 S	1400	2.8	75	90 L	900	3	74	100 L	700	3.4	76
1.5	2	90 S	2820	3.4	78	90 L	1400	3.5	78	100 L	910	3.9	79	112 M	700	4.3	77
2.2	3	90 L	2850	4.6	81	100 L	1430	4.8	80	112 L	940	5	80	132 S	710	5.2	81
3.7	5	100 L	2880	7.6	85.5	112 M	1440	7.6	84	132 S	940	8	84	160 M	720	9	82
5.5	7.5	112 M	2890	10.5	85.5	132 S	1450	11	86	132 M	940	11.5	86	160 M	720	13	83
7.5	10	132 M	2920	14.5	86.5	132 M	1450	15	87	160 M	960	16	86	160 L	710	18	84.5
11	15	160 M	2890	20.5	86	160 M	1450	21.5	88	160 L	960	23	87	180 L	710	25	85
15	20	160 L	2880	28	87	160 L	1450	29	89	180 L	960	30.5	90	200 L	710	31	88.5
18.5	25	160 L	2880	31.5	88	180 M	1460	35	90	200 L	960	34	90	225 S	725	38	89
22	30	180 L	2920	38	88	180 L	1460	41.5	90	200 L	970	40	90	225 M	730	45.5	89
30	40	200 L	2920	51	89	200 L	1460	53	92	225 M	970	55	91	-	-	-	-
37	50	200 L	2950	63	89	225 S	1470	65	92.5	-	-	-	-	-	-	-	-
45	60	225 M	2950	76	90	225 M	1470	78	93	-	-	-	-	-	-	-	-