

ELMECH INDUSTRIES
AHMEDABAD

3000 RPM * 2 Pole * (IE2) Design * Operating Characteristics

Rated Output		Frame	Rated Current Amp.	Rated Speed RPM	Efficiency (IE2) %	Locked Rotor Torque in term of F..L Torque	Locked Rotor Current in terms of F.L. Current
KW	H.P.						
0.18	0.25	63	0.85	2750	60.4	170	600
0.25	0.33	63	1.0	2750	64.8	170	600
0.37	0.5	71	1.2	2750	69.5	170	650
0.55	0.75	71	1.6	2760	74.1	170	650
0.75	1.0	80	2.0	2780	77.4	170	650
1.1	1.5	80	2.8	2790	79.6	170	650
1.5	2.0	90 L	3.7	2800	81.3	170	650
2.2	3.0	90 L	5.0	2810	83.2	170	700
3.7	5.0	100 L	8.0	2820	85.5	160	700
5.5	7.5	112 M	11.0	2830	87.0	160	700
7.5	10.0	132 S	15.0	2840	88.1	160	700

1500 RPM * 4 Pole * (IE2) Design * Operating Characteristics

Rated Output		Frame	Rated Current Amp.	Rated Speed RPM	Efficiency (IE2) %	Locked Rotor Torque in term of F..L Torque	Locked Rotor Current in terms of F.L. Current
KW	H.P.						
0.18	0.25	63	0.8	1360	64.7	170	550
0.25	0.33	71	1.0	1360	68.5	170	550
0.37	0.5	71	1.2	1380	72.7	170	650
0.55	0.75	80	1.8	1380	77.1	170	650
0.75	1.0	80	2.0	1400	79.6	170	650
1.1	1.5	90 L	2.8	1400	81.4	170	650
1.5	2.0	90 L	3.8	1410	82.8	170	650
2.2	3.0	100 L	5.0	1420	84.3	170	750
3.7	5.0	112 M	7.8	1430	86.3	160	750
5.5	7.5	132 S	11.5	1440	87.7	160	750
7.5	10.0	132 M	15.0	1440	88.7	160	750

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1000 RPM * 6 Pole * (IE2) Design * Operating Characteristics

Rated Output		Frame	Rated Current Amp.	Rated Speed RPM	Efficiency (IE2) %	Locked Rotor Torque in term of F..L Torque	Locked Rotor Current in terms of F.L. Current
KW	H.P.						
0.18	0.25	71	0.92	900	56.6	160	600
0.37	0.5	80	1.4	905	67.6	160	600
0.55	0.75	80	1.9	910	73.1	160	600
0.75	1.0	90 L	2.3	910	75.9	160	600
1.1	1.5	90 L	3.4	920	78.1	160	600
1.5	2.0	100 L	4	920	79.8	160	600
2.2	3.0	112 M	5.7	930	81.8	150	700
3.7	5.0	132 S	8.8	930	84.3	150	700
5.5	7.5	132 M	12.9	940	86.0	150	700
7.5	10.0	160 M	16.7	940	87.2	150	700

Approximate weight of motors (In Kgs.)

Frame size	63	71	80	90 L	100 L	112 M
All. Body	5.5	8	12	18	25	36

Approx.packing dim. and weight of motors (C.I. Body) (In mm & Kgs.)

Frame size	63	71	80	90 L	100 L	112 M
Length	275	325	350	375	425	450
Breadth	185	225	255	280	320	360
Height	210	200	225	240	310	350
Weight	8	12	17	26	35	48

Frame size	132 S	132 M	160L
Length	510	560	660
Breadth	415	415	490
Height	400	400	425
Weight	74	90	145

Frame size	63	71	80	90 L	100 L	112 M
Length	11 "	11 "	11.5 "	13 "	16 "	16 "
Breadth	6.5 "	6.5 "	8 "	8 "	10 "	10 "
Height	8 "	8 "	9.5 "	10 "	11.5 "	11.5 "
Weight	8	12	17	26	35	48