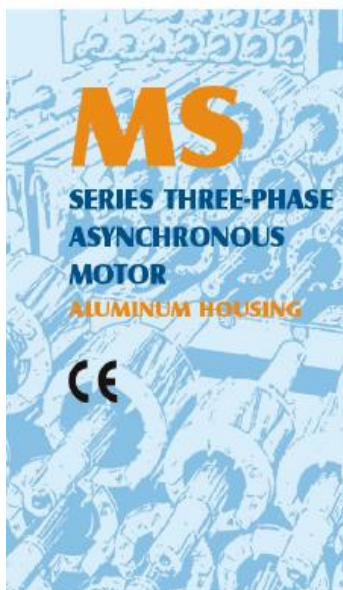




INTRODUCTION:

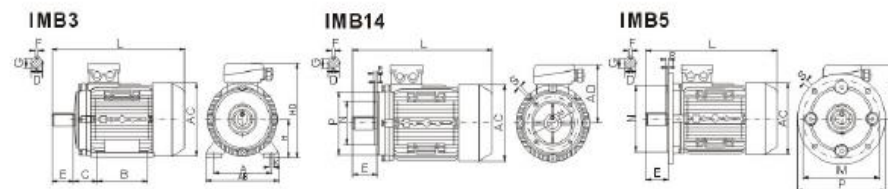
- Conform to the IEC standard
- Be made of selected quality materials, latest design in entirety
- Good performance, low noise, little vibration, and safety and reliable operation
- Nice appearance, light weight
- Be maintained very conveniently, simple construction
- Be used for general drive

MOTOR FEATURES

- Utilise IP55 enclosures, other requests
- Multiple feet locations
- Aluminium frame, end shields and base
- High strength cable gland
- Shaft key and protector supplied
- Superior paint finish
- Motors made to heavy duty service factors
- Can be made with stainless steel shaft
- Motors made for continuous S1 duty
- Utilise Vacuum impregnated Class B or Class F Insulation
- Others insulation on request
- High performance and efficiency

CUSTOMER BENEFITS

- Water dust and vermin resistant
- Quiet operation
- Electricity saving
- Easy installation (bolt on feet or brackets as required)
- Corrosion resistant
- Dependable
- Superior life
- Reliable in country, city or factory environments



INSTALLATION SIZE AND OVERALL DIMENSION

Frame Size	Mounting Dimensions (mm)																				Frame Dimensions (mm)							
	IMB14																IMB5											
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	
56	90	71	36	9	20	3	7.2	56	5.8	65	50	80	0	M5	2.5	100	80	120	0	7	3	110	120	100	155	190	240	
63	100	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	2.5	115	95	140	0	10	3	125	130	100	165	210	260	
71	112	90	45	14	26	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	140	150	110	185	240	300	
80	125	100	50	19	30	6	15.5	80	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	160	170	135	215	280	350	
90S	140	100	56	24	35	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	178	185	137	226	303	383	
90L	140	125	56	24	35	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	178	185	137	226	303	383	
100L	160	140	63	28	40	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	206	206	150	250	320	400	
112M	190	140	70	28	45	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	222	228	170	285	360	450	
132S	216	140	89	38	50	10	33	132	12	165	130	200	0	M10	4	265	230	300	0	15	4	257	267	190	325	416	516	
132M	216	178	89	38	50	10	33	132	12	165	130	200	0	M10	4	265	230	300	0	15	4	257	267	190	325	416	516	
160M	254	210	108	42	60	12	37	160	15	215	180	250	0	M12	4	300	250	350	0	15	5	320	330	255	420	515	635	
160L	254	254	108	42	60	12	37	160	15	215	180	250	0	M12	4	300	250	350	0	15	5	320	330	255	420	515	635	
180M	279	241	121	48	70	14	42.5	180	15	265	230	300	0	M15	4	300	250	350	0	19	5	355	380	280	455	570	700	
180L	279	279	121	48	70	14	42.5	180	15	265	230	300	0	M15	4	300	250	350	0	19	5	355	380	280	455	570	700	

TECHNICAL DATA

Model	Power (kW)	Current (A)				Speed (r.p.m)	Eff (%)	Power factor	Tstart/Tn	Tmax/Tn	Ist/In
		220V	380	400V	690V						
MS5612	0.09	0.56	0.32	0.31	0.18	2758	62	0.68	2.3	2.4	6
MS5622	0.12	0.66	0.38	0.36	0.21	2780	67	0.71	2.3	2.4	6
MS5632	0.18	0.91	0.53	-	-	2780	69	0.75	2.3	2.4	6
MS6312	0.18	0.91	0.53	0.50	0.29	2715	69	0.75	2.2	2.4	6
MS6322	0.25	1.19	0.69	0.65	0.37	2715	68	0.81	2.2	2.4	6
MS6332	0.37	1.71	0.99	-	-	2715	70	0.81	2.5	2.7	6
MS7112	0.37	1.71	0.99	0.90	0.52	2690	70	0.81	2.2	2.4	6
MS7122	0.55	2.41	1.4	1.28	0.74	2715	73	0.82	2.2	2.4	6
MS7132	0.75	3.16	1.83	-	-	2700	75	0.83	2.6	2.9	6
MS8012	0.75	3.16	1.83	1.66	0.96	2730	75	0.83	2.2	2.4	6
MS8022	1.1	4.46	2.58	2.42	1.40	2746	77	0.84	2.2	2.4	6
MS8032	1.5	5.93	3.43	-	-	2770	79	0.84	2.8	3.1	6

TECHNICAL DATA

Model	Power (kW)	Current (A)				Speed (r.p.m)	Eff (%)	Power factor	Tstart/Tn	Tmax/Tn	Ist/In
		220V	380	400V	690V						
MS90S-2	1.5	5.93	3.43	3.65	2.11	2715	79	0.84	2.2	2.4	6
MS90L1-2	2.2	8.39	4.85	-	-	2772	81	0.85	2.2	2.4	6
MS90L2-2	3	10.9	6.31	-	-	2800	83	0.87	3	3.2	6
MS100L1-2	3	10.9	6.31	-	-	2870	83	0.87	2.2	2.3	7
MS100L2-2	4	14.03	8.13	-	-	2880	85	0.88	2.5	2.7	7
MS112M1-2	4	14.03	8.13	-	-	2890	85	0.88	2.5	2.7	7
MS112M2-2	5.5	19.07	11.04	-	-	2900	86	0.88	2.5	2.7	7
MS112M3-2	7.5	25.71	14.88	-	-	2900	87	0.88	2.5	2.7	7.5
MS132S1-2	5.5	19.07	11.04	10.45	6.06	2910	86	0.88	2.5	2.7	7.5
MS132S2-2	7.5	25.71	14.88	14.25	8.26	2900	87	0.88	2.5	2.7	7.5
MS132M1-2	9.2	31	17.95	-	-	2910	87.5	0.89	2.5	2.7	7.5
MS132M2-2	11	34.86	21.34	-	-	2919	88	0.89	2.5	2.7	7.5
MS132M3-2	15	49.98	28.94	-	-	2920	88.5	0.89	2.5	2.7	7.5
MS160M1-2	11	21.3	12.2	20.29	11.73	2930	88	0.88	2	2.2	7
MS160M2-2	15	28.7	16.4	27.27	15.81	2930	89	0.89	2	2.2	7
MS160L-2	18.5	34.6	19.8	32.87	19.66	2930	90	0.9	2	2.2	7
MS180M-2	22	40.9	23.4	-	-	2930	90.5	0.9	2	2.2	7
MSS614	0.06	0.6	0.35	0.27	0.15	1371	46	0.56	2.3	2.4	6
MSS624	0.09	0.83	0.48	0.37	0.21	1350	49	0.56	2.3	2.4	6
MSS634	0.12	0.99	0.58	-	-	1380	50	0.58	2.3	2.4	6
MS6314	0.12	0.89	0.51	0.46	0.26	1350	53	0.64	2.2	2.4	6
MS6324	0.18	1.25	0.73	0.62	0.36	1340	56	0.66	2.2	2.4	6
MS6334	0.25	1.36	0.79	-	-	1350	65	0.74	2.2	2.4	6
MS7114	0.25	1.36	0.79	0.79	0.46	1390	65	0.74	2.2	2.4	6
MS7124	0.37	1.93	1.12	1.06	0.62	1375	67	0.75	2.2	2.4	6
MS7134	0.55	2.71	1.57	-	-	1380	71	0.75	2.2	2.4	6
MS8014	0.55	2.71	1.57	1.48	0.87	1370	71	0.75	2.2	2.4	6
MS8024	0.75	3.55	2.05	1.91	1.11	1380	73	0.76	2.2	2.4	6
MS8034	1.1	5	2.89	-	-	1380	75	0.77	2.3	2.5	6
MS90S-4	1.1	5	2.89	2.61	1.51	1390	75	0.77	2.2	2.4	6
MS90L-4	1.5	6.39	3.7	3.47	2.01	1400	78	0.79	2.2	2.4	6
MS90L1-4	1.85	7.88	4.56	-	-	1400	78	0.79	2.2	2.4	6
MS90L2-4	2.2	8.91	5.16	-	-	1400	80	0.81	2.5	2.7	6
MS100L1-4	2.2	8.91	5.16	4.75	2.75	1430	80	0.81	2.2	2.3	7
MS100L2-4	3	11.71	6.78	6.46	3.74	1430	82	0.82	2.2	2.3	7
MS100L3-4	4	15.24	8.82	-	-	1420	84	0.82	2.5	2.7	7
MS112M-4	4	15.24	8.82	8.36	4.85	1430	84	0.82	2.2	2.3	7
MS112M2-4	5.5	20.46	11.84	-	-	1435	85	0.83	2.7	3	7
MS132S-4	5.5	20.46	11.84	11.4	6.61	1440	85	0.83	2.2	2.2	7
MS132M1-4	7.5	26.93	15.39	-	-	1450	87	0.84	2.2	2.2	7
MS132M2-4	9.2	32.85	19.02	-	-	1460	87.5	0.84	2.7	3	7
MS132M3-4	11	38.59	22.34	-	-	1460	88	0.85	2.5	2.7	7
MS160M-4	11	22.3	12.7	21.19	12.28	1460	88	0.85	2	2.2	7

TECHNICAL DATA

Model	Power (kW)	Current (A)				Speed (r.p.m)	Eff (%)	Power factor	Tstart/Tn	Tmax/Tn	Ist/In
		220V	380	400V	690V						
MS160L-4	15	30	17.1	28.50	16.52	1460	89	0.85	2	2.2	7
MS180M-4	18.5	36.4	20.8	-	-	1470	90.5	0.85	2.2	2.2	7.5
MS180L-4	22	43.1	24.6	-	-	1470	91	0.85	2.2	2.2	7.5
MS6316	0.09	0.93	0.54	-	-	830	38	0.67	2.2	2.4	6
MS6326	0.11	1.06	0.61	-	-	830	40	0.68	2.2	2.4	6
MS7116	0.18	1.27	0.74	-	-	880	59	0.63	2.2	2.4	6
MS7126	0.25	1.64	0.95	-	-	900	59	0.68	2.2	2.4	6
MS7136	0.37	2.24	1.3	-	-	900	62	0.7	2.2	2.4	6
MS8016	0.37	2.24	1.3	-	-	915	62	0.7	2.2	2.4	6
MS8026	0.55	3.08	1.79	-	-	920	65	0.72	2.2	2.4	6
MS90S-6	0.75	3.96	2.29	2.19	1.27	930	69	0.72	2.2	2.2	5.5
MS90L-6	1.1	5.49	3.18	3.04	1.76	930	72	0.73	2.2	2.2	5.5
MS100L-6	1.5	6.91	4	3.80	2.20	945	76	0.75	2.2	2.2	6
MS112M-6	2.2	9.62	5.57	5.32	3.08	945	79	0.76	2.2	2.2	6
MS112M1-6	3	12.79	7.4	-	-	945	81	0.76	2.2	2.2	6
MS132S-6	3	12.79	7.4	6.84	3.97	960	81	0.76	2	2	6.5
MS132M1-6	4	16.84	9.75	8.93	5.18	960	82	0.76	2	2	6.5
MS132M2-6	5.5	22.32	12.92	12.35	7.16	960	84	0.77	2	2	6.5
MS160M-6	7.5	16.5	9.43	15.68	9.09	970	86	0.8	2	2	6.5
MS160L-6	11	24.1	13.8	22.90	13.27	970	87.5	0.79	2	2	6.5
MS180L-6	15	31.5	18	-	-	970	89	0.81	2	2	7
MS7118	0.09	0.88	0.51	-	-	680	49	0.55	2.2	2.4	5.5
MS7128	0.12	1.15	0.66	-	-	690	50	0.55	2.2	2.4	6
MS8018	0.18	1.68	0.98	-	-	680	51	0.55	2.2	2.4	6
MS8028	0.25	1.99	1.15	-	-	680	54	0.61	2.2	2.4	6
MS90S-8	0.37	2.57	1.49	-	-	680	62	0.61	2.2	2.4	6
MS90L-8	0.55	3.76	2.17	-	-	700	63	0.61	2.2	2.4	6
MS100L1-8	0.75	4.14	2.4	-	-	700	71	0.67	2.2	2.3	6
MS100L2-8	1.1	5.73	3.32	-	-	710	73	0.69	2.2	2.3	6
MS112M-8	1.5	7.61	4.4	-	-	710	75	0.69	2.2	2.3	6
MS132S-8	2.2	10.43	6.04	5.51	3.19	720	78	0.71	2	2	6
MS132M-8	3	13.65	7.9	7.32	4.24	720	79	0.73	2	2	5.5
MS160M1-8	4	10.2	5.8	9.69	5.62	720	81	0.73	2	2	6
MS160M2-8	5.5	13.6	7.8	12.92	7.49	720	83	0.74	2	2	6
MS160L-8	7.5	17.7	10.1	16.82	9.75	720	85.5	0.75	2	2	6
MS180L-8	11	25.1	14.3	-	-	730	87.5	0.76	2	2	6.5