

MSB-DC SERIES

ALUMINIUM HOUSING THREE PHASE DC ELECTROMAGNETIC BRAKE MOTOR



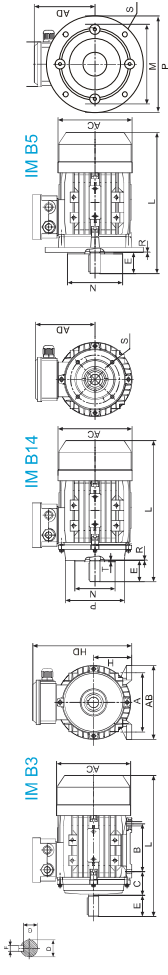
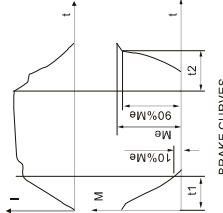
INTRODUCTION
MSB-DC series motor is a totally enclosed, self-fan cooled, and squirrel cage type three-phase asynchronous motor with additional DC electromagnetic brake.

APPLICATION
Suitable for a kind of machine be required to stop quickly, be located accurately, rotated and braked frequently, such as electric valve, rubber chemical machinery, wood working machinery, printing machinery, construction machinery, food machinery, warehouse machinery, metallurgy, forging machinery and so on.

- FEATURE**
- High efficiency and energy-saving
 - Big braking force moment
 - Suitable for any frequently started machine
 - Reliable and safe
 - Low vibration and low noise
 - The brake can be released by hand for easy maintenance.
 - Mounting dimensions meet IEC standards.

BRAKE TECHNICAL DATA

FRAME	mm	63	71	80	90	100	112	132	160	180
Rated torque	Nm	4	5	7.5	15	30	40	75	150	200
Excitation power	W	25	25	50	60	80	110	130	150	150
Connection time T1	ms	60	63	85	110	140	152	165	214	252
Connection time T2	ms	50	55	75	95	120	130	140	180	210
Aperture & max	mm	0.2	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.6
Max aperture & max	mm	0.8	0.8	1	1	1	1	1.2	1.2	1.2
Excitation voltage	V	99	99	99	99	99	99	170	170	170
Max. working speed	r/min	3000	3000	3000	3000	3000	3000	3000	3000	3000



Mounting Dimensions

Frame Size	Mounting Dimensions(mm)																									
	IMB3					IMB4					IMB5															
A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	L							
63	100	80	40	11	23	4	8.5	63	7	75	60	90	-	M5	2.5	115	95	140	0	10	3.0	130	130	117	180	266
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	127	198	308
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	165	130	200	0	12	3.5	160	165	141	221	350
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	147	237	399
90L	140	125	56	24	50	8	20	90	10	115	95	140	-	M8	3.0	165	130	200	0	12	3.5	160	185	147	237	425
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	205	215	157	257	462
112M	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	245	240	174	286	501
132M	216	140	89	38	80	10	33	132	12	165	130	200	0	M10	4.0	285	230	300	0	15	4.0	280	275	193	325	561
132M	216	178	89	38	80	10	33	132	12	165	130	200	0	M10	4.0	285	230	300	0	15	4.0	280	275	193	325	599
160M	254	210	108	42	110	12	37	160	15	215	180	250	-	M12	4.0	300	250	350	0	15	5.0	320	330	255	420	742
160L	254	254	108	42	110	12	37	160	15	215	180	250	0	M12	4.0	300	250	350	0	15	5.0	320	330	255	420	742
180M	279	241	121	48	110	14	42.5	180	15	265	230	300	0	M15	4.0	300	250	350	0	19	5.0	355	380	280	455	820
180L	279	279	121	48	110	14	42.5	180	15	265	230	300	0	M15	4.0	300	250	350	0	19	5.0	355	380	280	455	820

TECHNICAL DATA

Model	Rated Power kW	Rated Current(A)		Speed rpm	Eff. %	P.F. cosφ	Braking torque N.m	No load braking time s	Exclind Power w	Ist/In	Tst/In	Tmax/In
		220V	380V									
MSB631-2	0.18	0.91	0.53	2715	69	0.75	4	0.2	18	5.5	2.2	2.2
MSB632-2	0.25	1.19	0.69	2715	69	0.81	4	0.2	18	5.5	2.2	2.2
MSB711-2	0.37	1.71	0.99	2690	70	0.81	4	0.2	18	6.1	2.2	2.2
MSB712-2	0.55	2.41	1.40	2715	73	0.82	4	0.2	18	6.1	2.2	2.3
MSB801-2	0.75	3.16	1.83	2730	75	0.83	7.5	0.2	50	6.5	2.2	2.3
MSB802-2	1.1	4.46	2.58	2746	77	0.84	7.5	0.2	50	7	2.2	2.3
MSB90S-2	1.5	5.93	3.43	2715	79	0.84	15	0.2	60	7	2.2	2.3
MSB90L-2	2.2	8.39	4.85	2772	81	0.85	15	0.2	60	7	2.2	2.3
MSB100L-2	3	10.9	6.31	2870	83	0.87	30	0.2	80	7	2.2	2.3
MSB112M-2	4	14.0	8.13	2890	85	0.88	40	0.25	110	7	2.2	2.3
MSB132S 1-2	5.5	19.0	11.0	2910	86	0.88	75	0.25	130	7	2	2.3
MSB132S 2-2	7.5	25.7	14.8	2900	87	0.88	75	0.25	130	7	2	2.3
MSB160M 1-2	11	36.9	21.3	2930	89	0.88	150	0.35	150	7	2	2.3
MSB160M-2	15	49.8	28.7	2930	89	0.89	150	0.35	150	7	2	2.2
MSB160L-2	18.5	59.7	34.7	2930	90	0.9	150	0.35	150	7	2	2.2
MSB180M-2	22	70.7	40.8	2970	90.5	0.9	200	0.35	150	7	2	2.2
MSB631-4	0.12	0.89	0.51	1350	53	0.64	4	0.2	18	7	2.1	2.4
MSB632-4	0.18	1.25	0.73	1340	56	0.66	4	0.2	18	4.4	2.1	2.4
MSB711-4	0.25	1.36	0.79	1390	65	0.74	4	0.2	18	4.4	2.1	2.4
MSB712-4	0.37	1.93	1.12	1375	67	0.75	4	0.2	18	5.2	2.1	2.4
MSB801-4	0.55	2.71	1.57	1370	71	0.75	7.5	0.2	50	6	2.4	2.3
MSB802-4	0.75	3.55	2.05	1380	73	0.76	7.5	0.2	50	6	2.3	2.3
MSB90S-4	1.1	5.00	2.89	1390	75	0.77	15	0.2	60	6.5	2.3	2.3
MSB90L-4	1.5	6.39	3.70	1400	78	0.79	15	0.2	60	6.5	2.3	2.3
MSB100L1-4	2.2	8.91	5.16	1430	80	0.81	30	0.2	80	7	2.2	2.3
MSB100L2-4	3	11.7	6.78	1430	82	0.82	30	0.2	80	7	2.2	2.3
MSB112M-4	4	15.2	8.82	1430	84	0.82	40	0.25	110	7	2.2	2.3
MSB132S-4	5.5	20.4	11.8	1440	85	0.83	75	0.25	130	7	2.2	2.3
MSB132M-4	7.5	26.9	15.5	1450	87	0.84	75	0.25	130	7	2.2	2.3
MSB160M-4	11	38.6	22.3	1460	88	0.85	150	0.35	150	7	2.2	2.3
MSB160L-4	15	52.0	30.0	1460	89	0.85	150	0.35	150	7	2.2	2.2
MSB180M-4	18.5	63.0	36.4	1470	90.5	0.85	200	0.35	150	7	2	2.2
MSB180L-4	22	74.7	43.1	1470	91	0.85	200	0.35	150	7	2	2.2
MSB90S-6	0.75	3.96	2.29	930	69	0.72	15	0.2	60	5.5	1.9	2.2
MSB90L-6	1.1	5.49	3.18	930	72	0.73	15	0.2	60	5.5	1.9	2.2
MSB100L-6	1.5	6.91	4.00	945	76	0.75	30	0.2	80	6	1.9	2.2
MSB112M-6	2.2	9.62	5.57	945	79	0.76	40	0.25	110	6	2	2.2
MSB132S-6	3	12.7	7.40	960	81	0.76	75	0.25	130	6.5	2	2.2
MSB132M 1-6	4	16.8	9.75	960	82	0.76	75	0.25	130	6.5	2	2.2
MSB132M 2-6	5.5	22.3	12.9	960	84	0.77	75	0.25	130	6.5	2	2.2
MSB160M-6	7.5	28.6	16.6	970	86	0.8	150	0.35	150	6.5	2	2
MSB160L-6	11	41.8	24.2	970	87.5	0.79	150	0.35	150	6.5	1.7	2
MSB180L-6	15	54.6	31.6	970	87.5	0.79	200	0.35	150	6.5	1.8	2
MSB132S-8	2.2	10.4	6.04	720	78	0.71	75	0.25	130	5.5	2	2
MSB132M-8	3	13.6	7.90	720	79	0.73	75	0.25	130	5.5	2	2
MSB160M 1-8	4	18.2	10.4	720	81	0.73	150	0.55	150	6	2	2
MSB160M 2-8	5.5	23.4	13.5	720	83	0.74	150	0.55	150	6	2	2
MSB160L-8	7.5	30.9	17.9	720	85.5	0.75	150	0.55	150	5.5	2	2
MSB180L-8	11	45.2	26.2	730	87.5	0.76	200	0.35	150	6	1.7	2