

MSB-AC SERIES

ALUMINIUM HOUSING THREE PHASE AC ELECTROMAGNETIC BRAKE MOTOR

INTRODUCTION

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

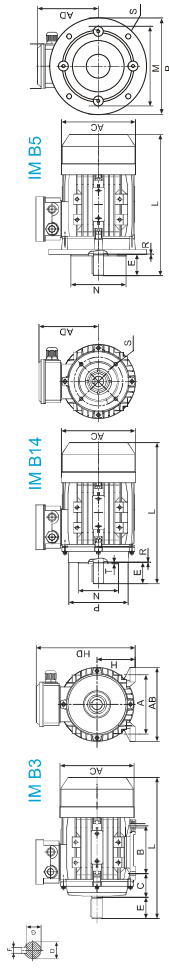
FEATURE

- High starting and braking force
- Frequently starting and quick braking
- Reliable, accurate 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 size	71	80	90	100-112	132	160	180
Rated torque(Nm)	5	8	15	40	80	130	234
Rated voltage(V/AC)	380	380	380	380	380	380	380
working clearance(mm)	0.25	0.2	0.2	0.25	0.3	0.35	0.35
wrench release clearance(mm)	0.6	0.6	0.6	0.6	1	1	1
Maximum clearance(mm)	0.85	0.8	0.8	0.85	1	1.2	1.2



Frame Size	Mounting Dimensions(mm)												Overall Dimensions(mm)														
	IMB3				IMB14				IMB5				A	AC	AD	HD	L1	L2									
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	320	330
80M	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	160	175	145	220	368	384
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	180	205	170	265	416	430
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	180	205	170	265	416	430
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	14.5	4	205	215	180	270	487	-
112M	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	14.5	4	245	255	200	310	501	526
132S	216	140	89	38	80	10	33	132	12	165	130	200	0	M10	3.5	265	230	300	0	14.5	4	280	310	230	365	575	-
132M	216	178	89	38	80	10	33	132	12	165	130	200	0	M10	3.5	265	230	300	0	14.5	4	280	310	230	365	613	-
160M	254	210	108	42	110	12	37	160	14.5	215	180	250	0	M12	4	300	250	350	0	16.5	5	320	314	264	424	705	-
160L	254	254	108	42	110	12	37	160	14.5	215	180	250	0	M12	4	300	250	350	0	16.5	5	320	314	264	424	750	-
180M	279	241	121	48	110	14	42.5	180	14.5	215	180	250	0	16.5	5	355	300	350	0	16.5	5	355	390	285	465	800	-
180L	279	279	121	48	110	14	42.5	180	14.5	215	180	250	0	16.5	5	355	300	350	0	16.5	5	355	390	285	465	837	-

TECHNICAL DATA

Model	Rated Power kW	Rated Current(A) (50HZ)			Speed rpm	Eff. %	P.F. cosφ	Braking torque(Tn) N.m	Is/In	Tst/Th	Tmax/Th
		220V	380V	680V							
MSB711-2-AC	0.37	1.71	0.99	0.57	2690	70	0.81	5	6.1	2.2	2.2
MSB712-2-AC	0.55	2.42	1.40	0.81	2715	73	0.82	5	6.1	2.2	2.3
MSB801-2-AC	0.75	3.17	1.83	1.06	2730	75	0.83	8	6.5	2.2	2.3
MSB802-2-AC	1.1	4.47	2.58	1.49	2746	77	0.84	8	7	2.2	2.3
MSB90S-2-AC	1.5	5.94	3.43	1.98	2715	79	0.84	15	7	2.2	2.3
MSB90L-2-AC	2.2	8.40	4.85	2.80	2772	81	0.85	15	7	2.2	2.3
MSB100L-2-AC	3	10.9	6.31	3.64	2870	83	0.87	40	7	2.2	2.3
MSB112M-2-AC	4	14.1	8.13	4.69	2890	85	0.88	40	7	2.2	2.3
MSB132S1-2-AC	5.5	19.1	11.0	6.37	2910	86	0.88	80	7	2	2.3
MSB132S2-2-AC	7.5	25.8	14.9	8.59	2900	87	0.88	80	7	2	2.3
MSB160M1-2-AC	11	36.9	21.3	12.3	2930	88	0.88	130	7	2	2.3
MSB160M-2-AC	15	49.7	28.7	16.6	2930	89	0.89	130	7	2	2.2
MSB160L-2-AC	18.5	59.9	34.6	20.0	2930	90	0.9	130	7	2	2.2
MSB180M-2-AC	22	70.8	40.9	23.6	2970	90.5	0.9	234	7	2	2.2
MSB711-4-AC	0.25	1.37	0.79	0.46	1390	65	0.74	5	4.4	2.1	2.4
MSB712-4-AC	0.37	1.94	1.12	0.65	1375	67	0.75	5	5.2	2.1	2.4
MSB801-4-AC	0.55	2.72	1.57	0.91	1370	71	0.75	8	6	2.4	2.3
MSB802-4-AC	0.75	3.55	2.05	1.18	1380	73	0.76	8	6	2.3	2.3
MSB90S-4-AC	1.1	5.01	2.89	1.67	1390	75	0.77	15	6.5	2.3	2.3
MSB90L-4-AC	1.5	6.41	3.70	2.14	1400	78	0.79	15	6.5	2.3	2.3
MSB100L1-4-AC	2.2	8.94	5.16	2.98	1430	80	0.81	40	7	2.2	2.3
MSB100L2-4-AC	3	11.7	6.78	3.91	1430	82	0.82	40	7	2.2	2.3
MSB112M-4-AC	4	15.3	8.82	5.09	1430	84	0.82	40	7	2.2	2.3
MSB132S-4-AC	5.5	20.5	11.8	6.84	1440	85	0.83	80	7	2.2	2.3
MSB132M-4-AC	7.5	27.0	15.6	9.0	1450	87	0.84	80	7	2.2	2.3
MSB160M-4-AC	11	38.6	22.3	12.9	1460	88	0.85	130	7	2.2	2.3
MSB160L-4-AC	15	52.0	30.0	17.3	1460	89	0.85	130	7	2.2	2.2
MSB180M-4-AC	18.5	63.0	36.4	21.0	1470	90.5	0.85	234	7	2	2.2
MSB180L-4-AC	22	74.7	43.1	24.9	1470	91	0.85	234	7	2	2.2
MSB90S-6-AC	0.75	3.97	2.29	1.32	930	69	0.72	15	5.5	1.9	2.2
MSB90L-6-AC	1.1	5.51	3.18	1.84	930	72	0.73	15	5.5	1.9	2.2
MSB100L-6-AC	1.5	6.93	4.00	2.31	945	76	0.75	40	6	1.9	2.2
MSB112M-6-AC	2.2	9.65	5.57	3.22	945	79	0.76	40	6	2	2.2
MSB132S-6-AC	3	12.8	7.40	4.3	980	81	0.76	80	6.5	2	2.2
MSB132M1-6-AC	4	16.9	9.75	5.6	960	82	0.76	80	6.5	2	2.2
MSB132M2-6-AC	5.5	22.4	12.9	7.5	960	84	0.77	80	6.5	2	2
MSB160M-6-AC	7.5	28.6	16.5	9.5	970	86	0.8	130	6.5	2	2
MSB160L-6-AC	11	41.7	24.1	13.9	970	87.5	0.79	130	6.5	1.7	2
MSB180L-6-AC	15	54.6	31.5	18.2	970	87.5	0.79	234	6.5	1.8	2
MSB132S-8-AC	2.2	10.5	6.04	3.49	720	78	0.71	80	5.5	2	2
MSB132M-8-AC	3	13.7	7.9	4.56	720	79	0.73	80	5.5	2	2
MSB160M1-8-AC	4	17.7	10.2	5.89	720	81	0.73	130	6	2	2
MSB160M2-8-AC	5.5	23.6	13.6	7.85	720	83	0.74	130	6	2	2
MSB180L-8-AC	7.5	30.7	17.7	10.2	720	85.5	0.75	130	5.5	2	2
MSB180L-8-AC	11	43.5	25.1	14.5	730	87.5	0.76	234	6	1.7	2