

MC Series

Single-Phase Capacitor Start

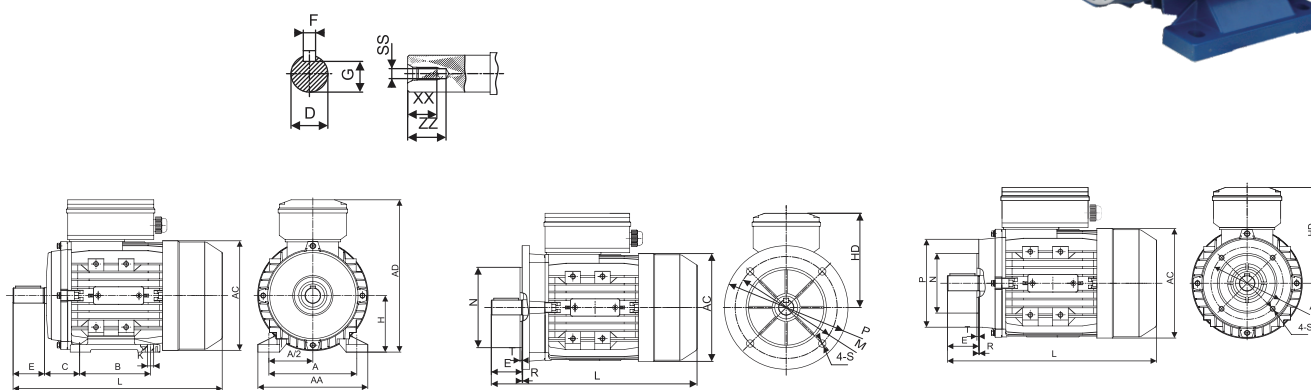
Induction Motor

Aluminum Housing

MC Series aluminum housing single-phase capacitor-start asynchronous motors, with latest design in entirety, are made of selected quality materials and conform to the IEC standard.

MC motors have good performance, safely and reliable operation, nice appearance, and can be maintained very conveniently, while with low noises, little vibration and at the same time of light weight and simple construction. High starting torque, perfect starting performance, generally the multiple of the starting torque can up to 3.0 times.

These series motors are suitable for the occasion where big starting torque and small starting current, such as air- compressors, pumps, refrigerators, medical apparatus, and many other machines needing full-load start.



IM B3

IM B5

IM B14

Frame	IM B3										IM B14										IM B5										Overall Dimensions					Shaft End			
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AA	AC	AD	HD	L	SS	XX	ZZ										
63	100	80	40	11	23	4	8.5	63	7x10	75	60	90	0	M5	2.5	115	95	140	0	ø10	3.0	120	130	179	116	212	M4	10	15										
71	112	90	45	14	30	5	11	71	7x10	85	70	105	0	M6	2.5	130	110	160	0	ø10	3.5	132	145	194	123	255	M5	12	18										
80	125	100	50	19	40	6	15.5	80	10x13	100	80	120	0	M6	3.0	165	130	200	0	ø12	3.5	157	165	223	143	290	M6	16	22										
90S	140	100	56	24	50	8	20	90	10x13	115	95	140	0	M8	3.0	165	130	200	0	ø12	3.5	172	185	240	150	335	M8	20	25										
90L	140	125	56	24	50	8	20	90	10x13	115	95	140	0	M8	3.0	165	130	200	0	ø12	3.5	172	185	240	150	365	M8	20	25										
100L	160	140	63	28	60	8	24	100	12x15	130	110	160	0	M8	3.5	215	180	250	0	ø15	4.0	196	205	260	160	398	M10	22	28										
112M	190	140	70	28	60	8	24	112	12x15	130	110	160	0	M8	3.5	215	180	250	0	ø15	4.0	222	230	295	183	416	M10	22	28										

Model	Output KW	HP	Voltage (V)	Current (A)	Eff (%)	Power Factor	Rating Torque (N.M)	Start torque Rating torque	Starting Current(A)	Speed (r.p.m)	Noise (dBA)	Min.torque Rating torque	Max. torque Rating torque	Start Capacitor	Weight kGS
2-Pole Synchronous 3000RPM 50Hz															
MC71A2	0.18	0.25	230	1.9	50	0.72	0.63	3.0	12	2750	70	1.0	1.8	75µF/250V	5
MC71B2	0.25	0.33	230	2.4	54	0.74	0.86	3.0	15	2780	70	1.0	1.8	75µF/250V	6.8
MC80A2	0.37	0.5	230	3.5	65	0.77	1.26	2.8	21	2800	75	1.0	1.8	100µF/250V	9.2
MC80B2	0.55	0.75	230	4.8	68	0.79	1.88	2.8	29	2800	75	1.0	1.8	150µF/250V	11
MC90S2	0.75	1.0	230	6.2	70	0.80	2.55	2.5	37	2810	75	1.0	1.8	200µF/300V	13
MC90L2	1.1	1.5	230	8.8	72	0.80	3.73	2.5	60	2820	78	1.0	1.8	250µF/300V	16
MC100LA2	1.5	2.0	230	11.5	74	0.81	5.06	2.5	80	2830	83	1.0	1.8	300µF/300V	22
MC100LB2	2.2	3.0	230	16.6	75	0.81	7.4	2.2	120	2840	83	1.0	1.8	400µF/300V	24
MC112M2	3.0	4.0	230	22.0	76	0.82	10.05	2.2	150	2850	87	1.0	1.8	600µF/300V	28
4-Pole Synchronous 1500RPM 50Hz															
MC71A4	0.12	0.15	230	1.9	50	0.58	0.84	2.8	9	1360	65	1.0	1.8	50µF/250V	5.4
MC71B4	0.18	0.25	230	2.5	53	0.62	1.25	2.8	12	1380	65	1.0	1.8	75µF/250V	6.4
MC80A4	0.25	0.33	230	3.1	58	0.63	1.72	2.8	15	1390	65	1.0	1.8	100µF/250V	9
MC80B4	0.37	0.5	230	4.2	62	0.64	2.52	2.5	21	1400	70	1.0	1.8	100µF/250V	10.2
MC90S4	0.55	0.75	230	5.5	66	0.69	3.75	2.5	29	1400	70	1.0	1.8	150µF/250V	12.8
MC90L4	0.75	1.0	230	6.9	68	0.73	5.08	2.5	37	1410	70	1.0	1.8	150µF/250V	15.7
MC100LA4	1.1	1.5	230	9.5	71	0.74	7.4	2.5	60	1420	73	1.0	1.8	250µF/300V	23
MC100LB4	1.5	2.0	230	12.4	73	0.75	10.01	2.5	80	1430	78	1.0	1.8	400µF/300V	28
MC112M4	2.2	3.0	230	17.7	74	0.76	14.59	2.2	120	1440	78	1.0	1.8	600µF/300V	34.5