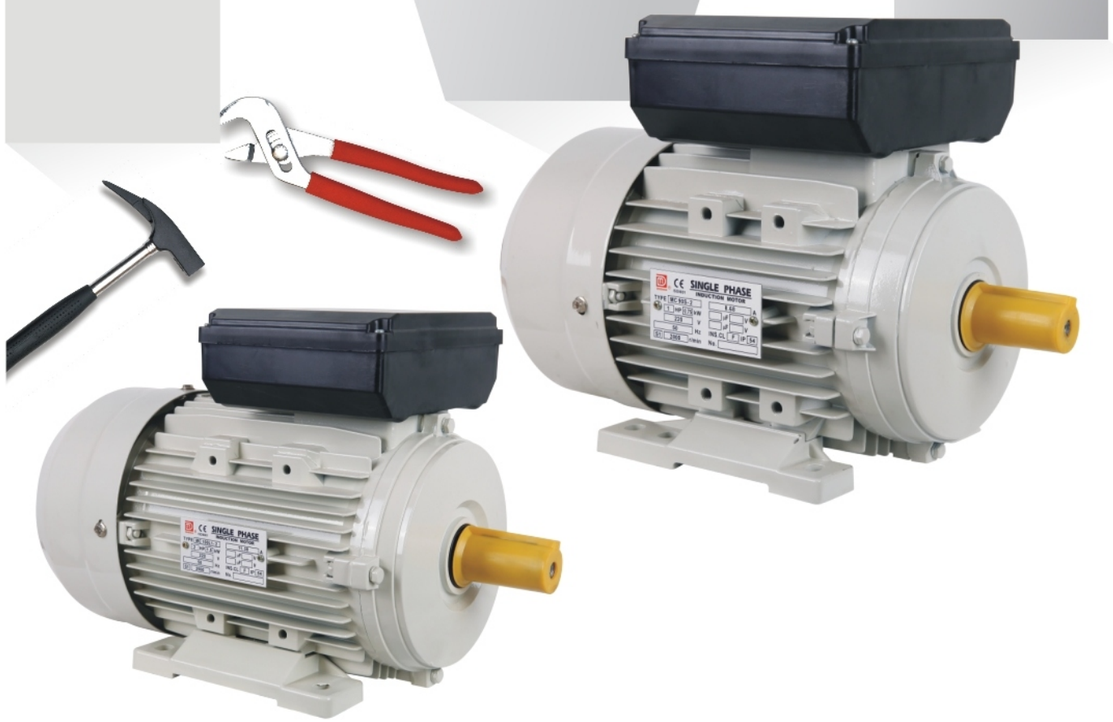
SINGLE-PHASE CAPACITOR START ASYNCHRONOUS MOTORS

ALUMINUM HOUSING

MC



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 hav good performance, safety 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.

OPERATING CONDITIONS

Ambient temperature:	-15 ℃ < θ <40 ℃
Altitude::	Not exceeding 1000meters
Rated voltage:	220V
Rated frequency:	50Hz、60Hz
Duty/Rating:	Continuous(S1)
Protection class:	IP54、IP55
Insulation class:	Class B、F
Cooling method:	IC0141

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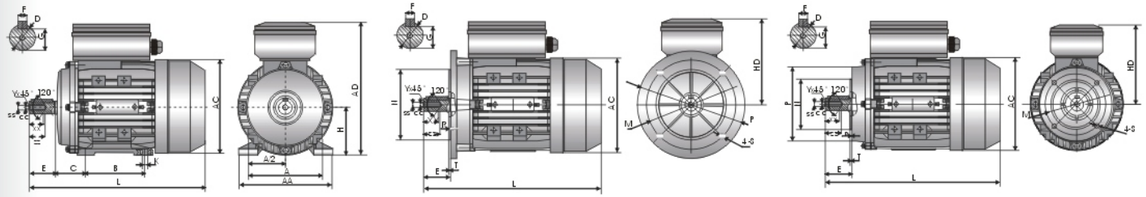
Technical data (at 230V 50Hz)

Model	Rated Output kW	Rated Output Hp	Rated Current A	Rated Speed rpm	Eff η %	Power factor COSΦ	Rated Torque Nm	Ts/Tn Times	Tmax/Tn Times	Starting Current A	Start Capacitor μf/V	Noise dB A	W.t. Kg
	3000rpm,2-pole,50Hz												
MC711-2	0.18	0.25	1.86	2750	60	0.72	0.63	3.0	2.2	12	75μF/250V	70	5
MC712-2	0.25	0.33	2.43	2780	62	0.74	0.86	3.0	2.2	15	75μF/250V	70	6.8
MC801-2	0.37	0.5	3.46	2800	62	0.77	1.26	2.8	2.2	21	100μF/250V	75	9.2
MC802-2	0.55	0.75	4.78	2800	65	0.79	1.88	2.8	2.2	29	150μF/250V	75	11
MC90S-2	0.75	1	6.15	2810	68	0.80	2.55	2.5	2.2	37	200μF/250V	75	13
MC90L-2	1.1	1.5	8.76	2820	70	0.80	3.73	2.5	2.2	60	300μF/250V	78	16
MC100L1-2	1.5	2	11.47	2830	72	0.81	5.06	2.5	2.0	80	400μF/300V	83	22
MC100L2-2	2.2	3	16.59	2840	73	0.81	7.40	2.2	2.0	120	400μF/300V	83	24
MC112M-2	3.0	4	22.03	2850	74	0.82	10.05	2.2	1.9	150	600μF/300V	87	28
	1500rpm,4-pole,50Hz												
MC711-4	0.12	0.16	1.86	1360	50	0.58	0.84	3.0	2.2	9	75μF/250V	65	5.4
MC712-4	0.18	0.25	2.46	1380	53	0.62	1.25	2.8	2.2	12	75μF/250V	65	6.4
MC801-4	0.25	0.33	3.07	1390	58	0.63	1.72	2.8	2.2	15	100μF/250V	65	9
MC802-4	0.37	0.5	4.18	1400	62	0.64	2.52	2.5	2.2	21	100μF/250V	70	10.2
MC90S-4	0.55	0.75	5.49	1400	66	0.69	3.75	2.5	2.0	29	100μF/250V	70	12.8
MC90L-4	0.75	1	6.85	1410	68	0.73	5.08	2.5	2.0	37	150μF/250V	70	15.7
MC100L1-4	1.1	1.5	9.49	1420	71	0.74	7.40	2.5	2.0	60	200μF/300V	73	23
MC100L2-4	1.5	2	12.41	1430	73	0.75	10.01	2.5	2.0	80	400μF/300V	78	28
MC112M-4	2.2	3	17.7	1440	74	0.76	14.59	2.2	1.9	120	600μF/300V	78	34.5

Overall & Installation Dimensions

IMB3 IMB5 IMB14



FRAME SIZE	MOUNTING DIMENSIONS A	B	C	D	E	F	G	H	K	IMB14 M	N	P	R	S	T	IMB5 M	N	P	R	S	T	OVERALL DIMENSIONS AA	AC	AD	HD	L	Shaft End Screw Dimensions SS	XX	ZZ	CC	Y
63	100	80	40	11	23	4	8.5	63	7X10	75	60	90	0	M5	2.5	115	95	140	0	10	3.0	120	130	179	116	212	M4	10	15	3.3	0.8
71	112	90	45	14	30	5	11	71	7X10	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	132	145	194	123	255	M5	12	18	4.2	0.8
80	125	100	50	19	40	6	15.5	80	10X13	100	80	120	0	M6	3.0	165	130	200	0	12	3.5	157	165	223	143	290	M6	16	22	5	1
90S	140	100	56	24	50	8	20	90	10X13	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	172	185	240	150	335	M8	20	25	6.8	1
90L	140	125	56	24	50	8	20	90	10X13	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	172	185	240	150	365	M8	20	25	6.8	1
100L	160	140	63	28	60	8	24	100	12X15	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	196	205	260	160	445	M10	22	28	8.5	1.5
112M	190	140	70	28	60	8	24	112	12X15	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	222	230	295	183	453	M10	22	28	8.5	1.5