

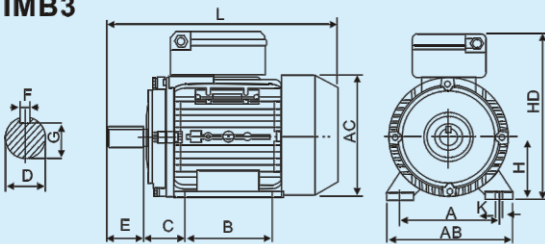


## MC Series

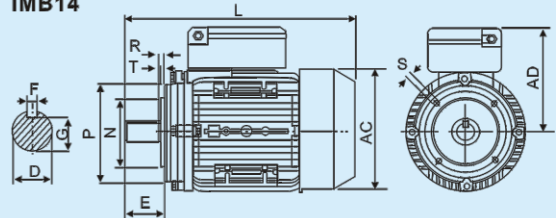
Aluminum Housing Single-phase capacitor Start Asynchronous Motors

### Installation Dimensions

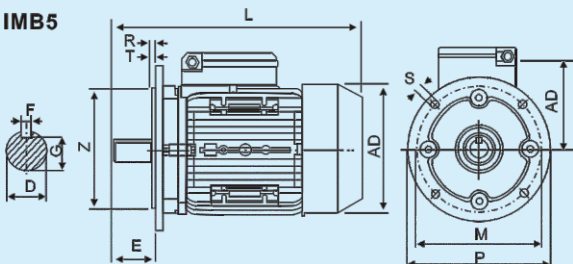
IMB3



IMB14



IMB5



MC Series aluminum housing single phase capacitor start asynchronous motors, with latest design in entirety, are made of quality materials and meet the relative rules of IEC standard. MC motors have good performance, safe and reliable operation, nice appearance, and can be maintained very conveniently, while with low noise, little vibration, light weight and simple construction. This series motors can be used on air compressor, pumps, refrigeration, medical apparatus and instruments, and many other machines that need full-load start.

## Operating Conditions:

Ambient temperature:  $-15\text{ }^{\circ}\text{C} < q < 40\text{ }^{\circ}\text{C}$   
 Above sea level: not exceed 1000m

## Motor Features:

Rated voltage: 110V 、 115V 、 120V 、  
 220V 、 230V 、 240V  
 Rated frequency: 50Hz/60Hz

Protection class: IP54 、 IP55 on request  
 Insulation class: F  
 Cooling method: IC0141

## Installation Dimensions

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	M	N	P	R	S	T	AB	AC	AD	HD
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	125	205	255
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	135	235	295
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	145	265	335
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	265	360
100L	160	140	63	28	60	8	24	100	12	-	-	-	-	-	-	215	180	250	0	15	4.0	205	215	170	280	380
112M	190	140	70	28	60	8	24	112	12	-	-	-	-	-	-	215	180	250	0	15	4.0	245	240	180	310	400

## Technical Data

Type	Power		Voltage (V)	Current (A)	Speed (r/min)	Eff (%)	Power factor	Tst/Tn	Tmax/Tn	Starting current (A)
	HP	KW								
MC711-2	0.25	0.18	220	1.89	2800	60	0.72	3.0	1.8	12
MC712-2	0.34	0.25	220	2.40	2800	64	0.74	3.0	1.8	15
MC801-2	0.5	0.37	220	3.36	2800	65	0.77	2.8	1.8	21
MC802-2	0.75	0.55	220	4.65	2800	68	0.79	2.8	1.8	29
MC90S-2	1	0.75	220	6.09	2800	70	0.80	2.5	1.8	37
MC90L-2	1.5	1.1	220	8.68	2800	72	0.80	2.5	1.8	60
MC100L1-2	2	1.5	220	11.38	2900	74	0.81	2.5	1.8	80
MC100L2-2	3	2.2	220	16.46	2900	75	0.81	2.2	1.8	120
MC112M-2	4	3	220	21.88	2900	76	0.82	2.2	1.8	150
MC711-4	0.16	0.12	220	1.88	1400	50	0.58	3.0	1.8	9
MC712-4	0.25	0.18	220	2.49	1400	53	0.62	2.8	1.8	12
MC801-4	0.34	0.25	220	3.11	1400	58	0.63	2.8	1.8	15
MC802-4	0.5	0.37	220	4.24	1400	62	0.64	2.5	1.8	21
MC90S-4	0.75	0.55	220	5.49	1400	66	0.69	2.5	1.8	29
MC90L-4	1	0.75	220	6.87	1400	68	0.73	2.5	1.8	37
MC100L1-4	1.5	1.1	220	9.52	1450	71	0.74	2.5	1.8	60
MC100L2-4	2	1.5	220	12.54	1450	73	0.75	2.5	1.8	80
MC112M-4	3	2.2	220	17.78	1450	74	0.76	2.2	1.8	120