

# ML SERIES SINGLE-PHASE INDUCTION MOTOR WITH ALUMINIUM HOUSING

ML series aluminium housing single-phase two value capacitor asynchronous motors, with latest design in entirety, which are made of quality materials and meet the relative rules of IEC standard. ML motors have good performance, safe and reliable operation, nice appearance. It can be maintained very conveniently while with low noise, little vibration, light weight and simple construction.

This series motors can be used for air compressor, pumps, refrigerator, medical apparatus and instruments, and many other small size machines.

### Operating Conditions

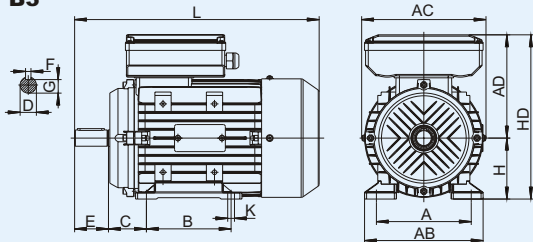
**Ambient temperature:**  $-15^{\circ}\text{C} \leq \theta \leq 40^{\circ}\text{C}$

**Above sea level:** not exceed 1000m

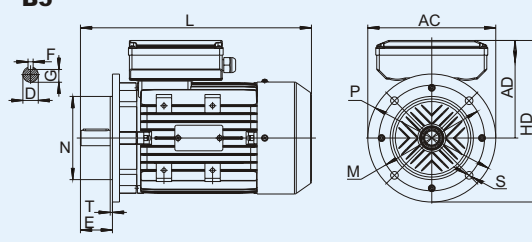
**Rated voltage:**  $\pm 5\%$



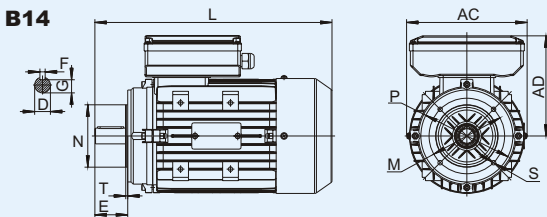
**B3**



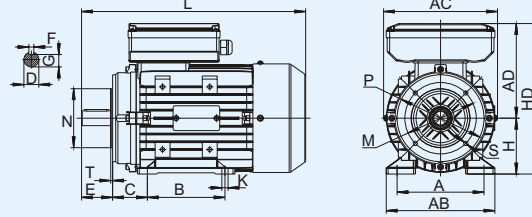
**B5**



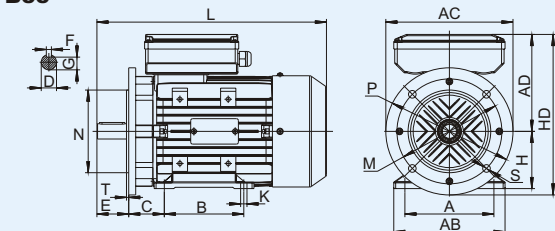
**B14**



**B34**



**B35**



## INSTALLATION SIZE AND OVERALL DIMENSION

in mm

Frame No.	Installation Size									Installation Size For B14						Installation Size For B5						Overall Dimension				
	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	L
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	135	145	119	190	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	155	165	138	218	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	175	180	145	235	331
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	175	180	145	235	361
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	200	200	155	255	392
112M	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	230	220	171	283	408

## TECHNICAL DATA

TYPE	Power (KW)	Current (A)	Speed (r/min)	Eff (%)	Power Factor	Tstart/Tn	Tmax/Tn	Ist/In	NW.kg	QTY/20'	Packing size (mm)
<b>220V 50Hz Synchronous Speed 3000 r/min (2 Poles)</b>											
ML711-2	0.37	2.73	2750	67	0.92	2.0	1.6	6	5.7	3000	285X170X220
ML712-2	0.55	3.88	2750	70	0.92	2.0	1.6	6	6.3	3000	285X170X220
ML801-2	0.75	5.15	2780	72	0.92	2.0	1.6	6	9	2000	330X190X275
ML802-2	1.1	7.02	2780	75	0.95	2.0	1.6	6	10	2000	330X190X260
ML90S-2	1.5	9.44	2800	76	0.95	2.2	1.8	6	13	1500	375X210X275
ML90L-2	2.2	13.67	2800	77	0.95	2.2	1.8	6	14.5	1500	375X210X285
ML100L-2	3.0	18.2	2820	79	0.95	2.2	1.8	6	25	800	400X225X320
ML112M-2	3.7	22.4	2820	82	0.95	2.2	1.8	6	33.5	600	450X225X330
<b>220V 50Hz Synchronous Speed 1500 r/min (4 Poles)</b>											
ML711-4	0.25	1.99	1360	62	0.92	2.0	1.6	6	5.7	3000	285X170X220
ML712-4	0.37	2.81	1370	65	0.92	2.0	1.6	6	6.3	3000	285X170X220
ML801-4	0.55	4.0	1380	68	0.92	2.0	1.6	6	9.5	2000	330X190X275
ML802-4	0.75	5.22	1400	71	0.95	2.0	1.6	6	10.5	2000	330X190X260
ML90S-4	1.1	7.2	1400	73	0.95	2.2	1.8	6	13.5	1500	375X210X275
ML90L-4	1.5	9.57	1400	75	0.95	2.2	1.8	6	14.5	1500	375X210X285
ML100L1-4	2.2	13.9	1400	76	0.95	2.2	1.8	6	24	800	400X225X320
ML100L2-4	3.0	18.6	1400	77	0.95	2.2	1.8	6	28.5	800	400X225X335
ML112M-4	3.7	22.7	1420	81	0.95	2.2	1.8	6	34.5	600	450X255X335
<b>220V 50Hz Synchronous Speed 1000 r/min (6 Poles)</b>											
ML8016	0.25	2.1	890	58	0.95	0.35	2.0	4.5	9.5	2000	330X190X260
ML8026	0.37	2.1	900	61	0.95	0.35	2.0	4.5	10.5	2000	330X190X260
ML90S6	0.55	4.4	910	64	0.95	0.35	2.0	4.5	13.5	1500	375X210X275
ML90L6	0.75	5.7	910	66	0.95	0.35	2.0	4.5	14.0	1500	375X210X275