



# NER GROUP CO.,LIMITED

Yantai Bonway Manufacturer Co.,Ltd



# MC/MY/ML Series

## SINGLE-PHASE ASYNCHRONOUS MOTOR WITH ALUMINIUM HOUSING

### OPERATING CONDITIONS

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

Above sea level: not exceed 1000m

Rated voltage:  $\pm 5\%$



### GENERAL INFORMATIONS

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

This series motors can be used on household applicants, pumps, fan and recording meters etc.

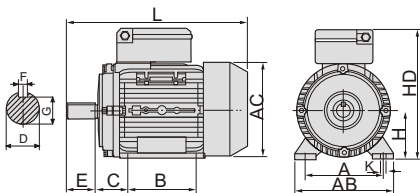
MC series aluminium housing single-phase capacitor start entirely asynchronous motors, with latest design in entirety, are made of quality materials and meet the relative rules of IEC standard. MC motors have good performance, safe and reliable operation, nice appearance, and can be maintained very conveniently 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.

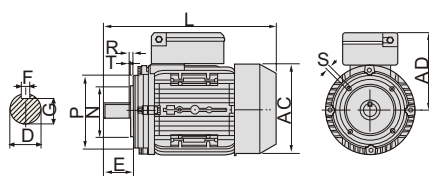
ML series aluminium housing single-phase two value capacitor asynchronous motors, with latest design in entirety, which are made of quality materials and meet the relative rules of IEC standard. ML motors have good performance, safe and reliable operation, nice appearance. It can be maintained very conveniently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

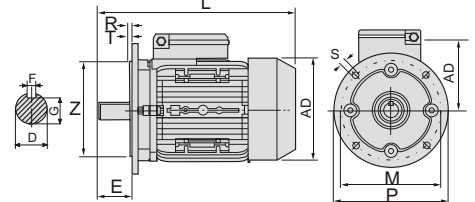
#### IMB3



#### IMB14



#### IMB5



### INSTALLATION SIZE AND OVERALL DIMENSION

Frame No	Installation Size									Installation Size For B5					Installation Size For B14					Overall Dimension				
	A	B	C	D	E	F	G	H	K	M	N	P	S	T	M	N	P	S	T	AB	AC	AD	HD	L
56	90	71	36	9	20	3	7.2	56	6	100	80	120	8.5	3	65	50	80	M5	2	112	108	93	149	192
63	100	80	40	11	23	4	8.5	63	7	115	95	140	10	3	75	60	90	M5	2.5	120	120	97	160	211
71	112	90	45	14	30	5	11	71	7	130	110	160	10	3.5	85	70	105	M6	2.5	135	135	107	178	246
80	125	100	50	19	40	6	15.5	80	10	165	130	200	12	3.5	100	80	120	M6	3	155	155	141	221	284
90S	140	100	56	24	50	8	20	90	10	165	130	200	12	3.5	115	95	140	M8	3	175	175	160	250	314
90L	140	125	56	24	50	8	20	90	10	165	130	200	12	3.5	115	95	140	M8	3	175	175	160	250	339
100L	160	140	63	28	60	8	24	100	12	215	180	250	15	4	130	110	160	M8	3.5	200	195	160	260	412
112M	190	140	70	28	60	8	24	112	12	215	180	250	15	4	130	110	160	M8	3.5	226	220	166	278	421

## MC SERIES TECHNICAL DATA

TYPE	Output		Voltage (V)	Current (A)	Frequency (Hz)	Power Factor	Eff (%)	Speed (r/min)	Tstart/Tn	Ist/In	Tmax/Tn
	KW	HP									
MC711-2	0.18	0.24	220	1.89	50	0.72	60	2750	3	6.5	1.8
MC712-2	0.25	0.33	220	2.40	50	0.74	64	2770	3	6.5	1.8
MC801-2	0.37	0.5	220	3.36	50	0.77	65	2800	2.8	6.5	1.8
MC802-2	0.55	0.75	220	4.65	50	0.79	68	2810	2.8	6.5	1.8
MC90S-2	0.75	1	220	6.09	50	0.80	70	2820	2.5	6.5	1.8
MC90L-2	1.1	1.5	220	8.68	50	0.80	72	2820	2.5	6.5	1.8
MC100L1-2	1.5	2	220	11.4	50	0.81	74	2830	2.5	7.0	1.8
MC100L2-2	2.2	3	220	16.5	50	0.81	75	2830	2.2	7.0	1.8
MC112M-2	3	4	220	21.9	50	0.82	76	2840	2.2	7.0	1.8
MC711-4	0.12	0.16	220	1.88	50	0.58	50	1350	3	6.0	1.8
MC712-4	0.18	0.24	220	2.49	50	0.62	53	1370	3	6.0	1.8
MC801-4	0.25	0.33	220	3.11	50	0.63	58	1400	2.8	6.0	1.8
MC802-4	0.37	0.5	220	4.24	50	0.64	62	1410	2.8	6.0	1.8
MC90S-4	0.55	0.75	220	5.49	50	0.69	66	1420	2.5	6.0	1.8
MC90L-4	0.75	1	220	6.87	50	0.73	68	1420	2.5	6.0	1.8
MC100L1-4	1.1	1.5	220	9.52	50	0.74	71	1430	2.5	6.5	1.8
MC100L2-4	1.5	2	220	12.5	50	0.75	73	1430	2.5	6.5	1.8
MC112M-4	2.2	3	220	17.8	50	0.76	74	1440	2.2	6.5	1.8

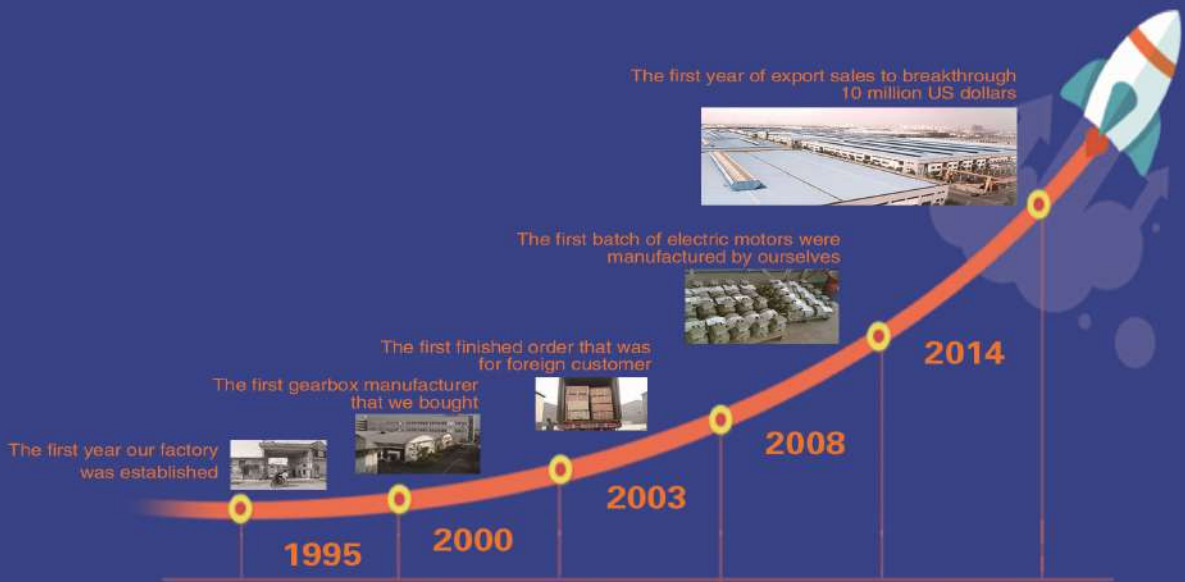
## MY SERIES TECHNICAL DATA

TYPE	Output		Voltage (V)	Current (A)	Frequency (Hz)	Power Factor	Eff (%)	Speed (r/min)	Tstart/Tn	Ist/In	Tmax/Tn
	KW	HP									
MY561-2	0.09	0.12	220	0.77	50	0.92	58	2730	0.55	4.5	1.7
MY562-2	0.12	0.16	220	0.96	50	0.92	62	2730	0.55	4.5	1.7
MY631-2	0.18	0.24	220	1.35	50	0.92	66	2740	0.50	4.5	1.7
MY632-2	0.25	0.33	220	1.84	50	0.92	67	2740	0.50	4.5	1.7
MY711-2	0.37	0.5	220	2.65	50	0.92	69	2750	0.45	4.5	1.7
MY712-2	0.55	0.75	220	3.83	50	0.92	71	2760	0.45	4.5	1.7
MY801-2	0.75	1	220	5.08	50	0.92	73	2780	0.40	4.5	1.7
MY802-2	1.1	1.5	220	7.02	50	0.95	75	2790	0.40	4.5	1.7
MY90S-2	1.5	2	220	9.44	50	0.95	76	2800	0.35	5.0	1.7
MY90L-2	2.2	3	220	13.7	50	0.95	77	2800	0.35	5.0	1.7
MY561-4	0.06	0.08	220	0.57	50	0.90	53	1330	0.55	4.5	1.7
MY562-4	0.09	0.12	220	0.81	50	0.90	56	1340	0.55	4.5	1.7
MY631-4	0.12	0.16	220	1.01	50	0.90	60	1350	0.50	4.5	1.7
MY632-4	0.18	0.24	220	1.47	50	0.90	62	1360	0.50	4.5	1.7
MY711-4	0.25	0.33	220	1.93	50	0.92	64	1370	0.45	4.5	1.7
MY712-4	0.37	0.5	220	2.77	50	0.92	66	1370	0.45	4.5	1.7
MY801-4	0.55	0.75	220	4.00	50	0.92	68	1380	0.40	4.5	1.7
MY802-4	0.75	1	220	5.29	50	0.92	70	1380	0.40	4.5	1.7
MY90S-4	1.1	1.5	220	7.21	50	0.95	73	1390	0.35	5.0	1.7
MY90L-4	1.5	2	220	9.57	50	0.95	75	1400	0.35	5.0	1.7

## ML SERIES TECHNICAL DATA

TYPE	Output		Voltage (V)	Current (A)	Frequency (Hz)	Power Factor	Eff (%)	Speed (r/min)	Tstart/Tn	Ist/In	Tmax/Tn
	KW	HP									
ML711-2	0.37	0.5	220	2.60	50	0.95	68	2760	2.2	6.5	1.7
ML712-2	0.55	0.75	220	3.71	50	0.95	71	2760	2.2	6.5	1.7
ML801-2	0.75	1	220	4.92	50	0.95	73	2780	2.2	6.5	1.7
ML802-2	1.1	1.5	220	7.02	50	0.95	75	2780	2.2	6.5	1.7
ML90S-2	1.5	2	220	9.32	50	0.95	77	2800	2.2	6.5	1.7
ML90L-2	2.2	3	220	13.5	50	0.95	78	2800	2.2	6.5	1.7
ML100L-2	3	4	220	18.2	50	0.95	79	2820	2.0	7.0	1.7
ML112M-2	3.7	5	220	22.1	50	0.95	80	2820	2.0	7.0	1.7
ML711-4	0.25	0.33	220	1.90	50	0.95	63	1360	2.2	6.5	1.7
ML712-4	0.37	0.5	220	2.64	50	0.95	67	1360	2.2	6.5	1.7
ML801-4	0.55	0.75	220	3.76	50	0.95	70	1380	2.2	6.5	1.7
ML802-4	0.75	1	220	4.98	50	0.95	72	1380	2.2	6.5	1.7
ML90S-4	1.1	1.5	220	7.11	50	0.95	74	1400	2.2	6.5	1.7
ML90L-4	1.5	2	220	9.44	50	0.95	76	1400	2.2	6.5	1.7
ML100L1-4	2.2	3	220	13.7	50	0.95	77	1410	2.0	7.0	1.7
ML100L2-4	3	4	220	18.4	50	0.95	78	1420	2.0	7.0	1.7
ML112M-4	3.7	5	220	22.4	50	0.95	79	1420	2.0	7.0	1.7

## Always chase the first since 1995



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