

SINGLE-PHASE DUAL-CAPACITOR ASYNCHRONOUS MOTORS

INTRODUCTION

Aluminum Housing series motor, Conform to with IEC standard, starting torque is 1.8-2.5 times of rated torque.

MOTOR FEATURES

ip54/ip55
Multiple feet locations
Aluminium frame, end shields and base
High strength cable gland
shaft key A and B supplied
SUPERIOR PAINT FINISH
Motors made to heavy duty service factors can be mad awith stainless steel shaft
Motors made ofr continuous S1 duty
Grade F insulation
High performanc and efficiency

Motor Housing: Aluminum
Output power: 0.37 kW – 2.2kW
Frame size: IEC 71-100
Poles:2,4
Voltage: 220 , 230 , 240V
(Customized available)
Frequency: 50 & 60 Hz
Insulation Class: Ip55

Customer benefits

water ,dust and vermin resistant
Quiet operation
Electricity saving
Easy installation(bolt on feet or brackets as required)
Corrosion resistant
Dependable
Superior life
Reliable in country ,city or factory environments



ML Series
ALUMINUM HOUSING

TECHNICAL DATA

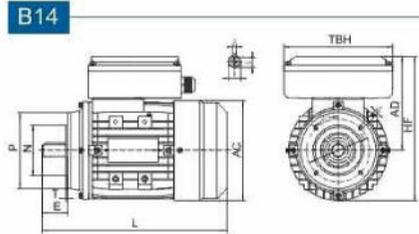
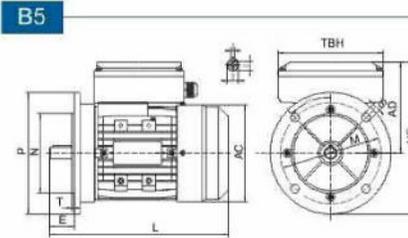
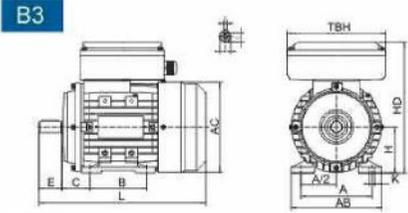
Type	Rated Output		Eff η	Power factor $\cos\Phi$	Rated Speed rpm	Rated Current A			Tmax/Tn Times	Ts/Tn Times	Is/In Times	Noise dB dB(A)	Running capacitor	Starting capacitor
	kW	Hp				220V	230V	240V						
ML 631-2	0.16	0.25	65.0	0.92	2710	1.37	1.31	1.25	1.6	2.5	8	70	10 μ F/450V	30 μ F/250V
ML 632-2	0.25	0.34	66.0	0.92	2710	1.87	1.79	1.72	1.6	2.5	10	70	12 μ F/450V	40 μ F/250V
ML 711-2	0.37	0.5	67.0	0.92	2780	2.73	2.61	2.50	1.7	2.5	15	76	12 μ F/450V	75 μ F/250V
ML 712-2	0.55	0.75	70.0	0.92	2780	3.88	3.71	3.56	1.7	2.5	20	75	16 μ F/450V	100 μ F/250V
ML 801-2	0.75	1	72.0	0.92	2800	5.15	4.92	4.72	1.8	2.5	30	75	20 μ F/450V	100 μ F/250V
ML 802-2	1.1	1.5	74.0	0.95	2800	7.11	6.80	6.52	1.8	2.5	40	75	30 μ F/450V	150 μ F/250V
ML 90S-2	1.5	2	75.0	0.95	2810	9.57	9.15	8.77	1.8	2.5	55	78	40 μ F/450V	200 μ F/250V
ML 90L-2	2.2	3	76.0	0.95	2810	13.9	13.3	12.70	1.8	2.2	75	78	50 μ F/450V	250 μ F/250V
ML 100L-2	3	4	78.0	0.95	2830	18.4	17.6	16.87	1.7	2.2	110	83	60 μ F/450V	400 μ F/300V
ML 112M-2	4	5.5	79.0	0.95	2850	24.2	23.2	22.21	1.7	2.2	150	83	60 μ F/450V	600 μ F/300V
ML 631-4	0.12	0.16	57.0	0.90	1350	1.06	1.02	0.97	1.8	2.5	6	65	8 μ F/450V	30 μ F/250V
ML 632-4	0.16	0.25	59.0	0.90	1350	1.54	1.47	1.41	1.6	2.5	8.5	65	12 μ F/450V	40 μ F/250V
ML 711-4	0.25	0.34	61.0	0.92	1380	2.02	1.94	1.86	1.7	2.5	10	65	12 μ F/450V	50 μ F/250V
ML 712-4	0.37	0.5	62.0	0.92	1380	2.95	2.82	2.70	1.7	2.5	15	70	16 μ F/450V	75 μ F/250V
ML 801-4	0.55	0.75	68.0	0.92	1400	4.00	3.82	3.66	1.8	2.5	20	70	20 μ F/450V	100 μ F/250V
ML 802-4	0.75	1	70.0	0.92	1400	5.29	5.06	4.85	1.8	2.5	30	70	25 μ F/450V	100 μ F/250V
ML 90S-4	1.1	1.5	71.0	0.95	1410	7.41	7.09	6.80	1.8	2.5	40	73	35 μ F/450V	150 μ F/250V
ML 90L-4	1.5	2	73.0	0.95	1410	9.83	9.40	9.01	1.8	2.5	55	73	40 μ F/450V	200 μ F/250V
ML 100L1-4	2.2	3	75.0	0.95	1430	14.0	13.4	12.87	1.8	2.2	75	78	50 μ F/450V	300 μ F/300V
ML 100L2-4	3	4	77.0	0.95	1430	18.6	17.8	17.09	1.8	2.2	110	78	60 μ F/450V	500 μ F/300V
ML 112M-4	4	5.5	78.0	0.95	1440	24.5	23.5	22.49	1.7	2.2	150	83	60 μ F/450V	600 μ F/300V

TECHNICAL DATA

No.	Model	Bearing		Terminal box		
		DE	NDE	Material	Cable gland	PLUG
1	ML 63	6201 2Z/C3	6201 2Z/C3	Plastics	1-M16*1.5	-
2	ML 71	6202 2Z/C3	6202 2Z/C3	Plastics	1-M16*1.5	-
3	ML 80	6204 2Z/C3	6204 2Z/C3	Plastics	1-M20*1.5	-
4	ML 90	6205 2Z/C3	6205 2Z/C3	Plastics	1-M20*1.5	-
5	ML 100	6206 2Z/C3	6206 2Z/C3	Plastics	1-M20*1.5	-
6	ML 112	6206 2Z/C3	6206 2Z/C3	Plastics	1-M25*1.5	-
7	ML 132	6208 2Z/C3	6208 2Z/C3	Plastics	1-M25*1.5	-
8	ML 160	6309 /C3	6309 /C3	Plastics	1-M25*1.5	-

INSTALLATION SIZE AND OVERALL DIMENSION

SINGLE-PHASE ASYNCHRONOUS MOTOR



Frame	Mounting Dimensions (mm)															Frame Dimensions (mm)											
	B3					B14					B5					TBS	AB	AC	AD	HD	HF	L					
	A	A/2	B	C	D	E	F	G	H	K	M	N	P	S	T								M	N	P	S	T
ML56	90	45	71	36	9	20	3	7.2	56	6	65	50	80	M5	2.5	100	80	120	7	3.0	155	112.5	111.5	104	160	164	195
ML63	100	50	80	40	11	23	4	8.5	63	7	75	60	90	M5	2.5	115	95	140	10	3.0	155	120	122.5	122	185	192	220
ML71	112	56	90	45	14	30	5	11	71	7	85	70	105	M6	2.5	130	110	160	10	3.5	155	139	140	139	210	219	260
ML80	125	62.5	100	50	19	40	6	15.5	80	10	100	80	120	M6	3.0	165	130	200	12	3.5	173	160	157	145	225	245	295
ML90L1	140	70	100/125	56	24	50	8	20	90	10	115	95	140	M8	3.0	165	130	200	12	3.5	173	175	175	150	240	250	340
ML90L2	140	70	125	56	24	50	8	20	90	10	115	95	140	M8	3.0	165	130	200	12	3.5	173	175	175	150	240	250	370
ML100	160	80	140	63	28	60	8	24	100	12	130	110	160	M8	3.5	215	180	250	14.5	4.0	173	198	198	165	265	290	460
ML112M	190	95	140	70	28	60	8	24	112	12	130	110	160	M8	3.5	215	180	250	14.5	4.0	193	220	222	183	295	308	455