

# SINGLE-PHASE CAPACITOR-RUN ASYNCHRONOUS MOTORS

ALUMINUM HOUSING

## MY/MYT



MY/MYT series aluminum housing single-phase capacitor-run asynchronous motors, with latest design in entirety, are made of selected quality materials and conform to the IEC standard.

MY / MYT motors have 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. The multiple of starting torque is 0.3-0.7(MY), 0.45-0.75(MYT).

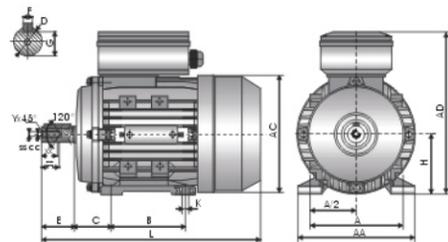
These series motors are suitable for the occasion where there requirements of starting torque is low and long-term continuous working, such as home electric appliances, pumps, fans, and recording meters, etc.

### OPERATING CONDITIONS

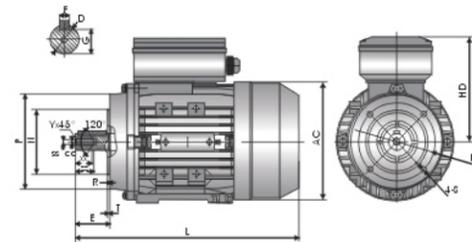
Ambient temperature:  $-15^{\circ}\text{C} < \theta < 40^{\circ}\text{C}$   
 Above sea level: Not exceeding 1000meters  
 Rated voltage: 110V, 115V, 120V, 220V, 230V, 240V  
 Rated frequency: 50Hz, 60Hz  
 Protection class: IP54, IP55 on request  
 Insulation class: Class F  
 Cooling method: IC0141

### Overall & Installation Dimensions

IMB3



IMB14



### Overall & Installation Dimensions

Frame Size	MOUNTING DIMENSIONS													OVERALL DIMENSIONS					SHAFT END SCREW DIMENSIONS													
	IMB14													IMB5					AA	AC	AD	HD	L	SS	XX	ZZ	CC	Y				
56	90	71	36	9	20	3	7.2	56	5.8	8.8	65	50	80	0	M5	2.5	98	80	120	0	7	3.0	108	115	155	100	192	M3	8	12	2.5	0.5
63	100	80	40	11	23	4	8.5	63	7	10	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	7	10	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	132	145	194	123	202(50)	M5	12	18	4.2	0.8
80	125	100	50	19	40	6	15.5	80	10	13	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	10	13	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	172	185	240	150	310	M8	20	25	6.8	1
90L	140	125	56	24	50	8	20	90	10	13	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
100L★★	160	140	63	28	60	8	24	100	12	15	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	196	205	260	160	30(19)	M10	22	28	8.5	1.5

★★ This frame size has two housing sizes, the rated output is for normal "L" size, and increased output is for the bigger "L" size (refer to the figures in the bracket "( )")

# MY/MYT Single-Phase Capacitor-Run Asynchronous Motors

www.dongmingmotor.com  
business@dongmingmotor.com

### Technical data (at 230V/50Hz)

Model	Rated Output kW	Rated Current A	Rated Speed rpm	Eff $\eta$ %	Power factor COS $\phi$	Tst/Tn Times	Tmax/Tn Times	Starting Current A	Run Capacitor $\mu\text{F/V}$	Noise dB A	Wt Kg
<b>3000rpm, 2-pole, 50Hz</b>											
MY561-2	0.09	0.80	2740	54	0.91	0.69	1.8	2.5	4 $\mu\text{F}/450\text{V}$	67	2.8
MY562-2	0.12	0.90	2760	60	0.93	0.69	1.8	3.5	6 $\mu\text{F}/450\text{V}$	67	3.05
MY631-2	0.18	1.40	2760	62	0.93	0.55	1.8	4.5	8 $\mu\text{F}/450\text{V}$	70	4.1
MY632-2	0.25	1.70	2780	66	0.93	0.55	1.8	6	10 $\mu\text{F}/450\text{V}$	70	4.5
MY633-2	0.37	2.50	2780	67	0.93	0.45	1.65	8	12 $\mu\text{F}/450\text{V}$	75	5.25
MY711-2	0.37	2.60	2780	67	0.93	0.5	1.65	10	12 $\mu\text{F}/450\text{V}$	75	5.6
MY712-2	0.55	3.50	2790	73	0.95	0.5	1.8	15	16 $\mu\text{F}/450\text{V}$	75	6.95
MY713-2	0.75	4.50	2810	74	0.97	0.48	1.8	20	25 $\mu\text{F}/450\text{V}$	75	8.15
MY801-2	0.75	4.40	2810	74	0.98	0.4	1.8	19	25 $\mu\text{F}/450\text{V}$	75	8.5
MY802-2	1.1	6.30	2810	75	0.98	0.4	1.8	30	35 $\mu\text{F}/450\text{V}$	78	11
MY803-2	1.5	8.50	2810	77	0.98	0.33	1.8	40	40 $\mu\text{F}/450\text{V}$	80	12.75
MY90S-2	1.5	8.40	2820	77	0.98	0.33	1.72	35	45 $\mu\text{F}/450\text{V}$	80	13.7
MY90L-2	2.2	12.10	2850	78	0.98	0.29	1.8	61	60 $\mu\text{F}/450\text{V}$	80	16.7
MY100L-2	3	16.50	2860	79	0.99	0.28	1.8	73	80 $\mu\text{F}/450\text{V}$	83	23.1
<b>1500rpm, 4-pole, 50Hz</b>											
MY561-4	0.06	0.60	1370	48	0.92	0.73	1.75	2	4 $\mu\text{F}/450\text{V}$	63	3.3
MY562-4	0.09	0.80	1370	50	0.92	0.6	1.75	3	6 $\mu\text{F}/450\text{V}$	63	3.6
MY631-4	0.12	1.30	1370	52	0.92	0.6	1.75	3	8 $\mu\text{F}/450\text{V}$	65	4.45
MY632-4	0.18	1.50	1370	54	0.94	0.6	1.6	4	12 $\mu\text{F}/450\text{V}$	65	5.05
MY633-4	0.25	2.00	1370	58	0.95	0.6	1.6	5	14 $\mu\text{F}/450\text{V}$	65	5.4
MY711-4	0.25	1.80	1390	61	0.96	0.5	1.6	5	14 $\mu\text{F}/450\text{V}$	65	5.8
MY712-4	0.37	2.70	1390	62	0.96	0.5	1.6	8	16 $\mu\text{F}/450\text{V}$	68	6.9
MY713-4	0.55	3.70	1390	64	0.97	0.48	1.7	12	20 $\mu\text{F}/450\text{V}$	70	8.25
MY801-4	0.55	3.50	1410	64	0.98	0.37	1.8	13	25 $\mu\text{F}/450\text{V}$	70	9.55
MY802-4	0.75	4.70	1410	68	0.98	0.37	1.65	17	30 $\mu\text{F}/450\text{V}$	70	10.45
MY90S-4	1.1	6.30	1410	71	0.98	0.35	1.75	24	40 $\mu\text{F}/450\text{V}$	73	13.1
MY90L-4	1.5	8.50	1420	73	0.96	0.33	1.8	36	45 $\mu\text{F}/450\text{V}$	75	16.45
MY100L1-4	2.2	12.90	1440	77	0.96	0.32	1.8	57	80 $\mu\text{F}/450\text{V}$	78	22.8
MY100L2-4	3	16.20	1440	78	0.99	0.3	1.7	75	100 $\mu\text{F}/450\text{V}$	78	29.2
<b>950rpm, 6-pole, 50Hz</b>											
MY711-6	0.18	1.49	920	57	0.92	0.45	1.5	4	16 $\mu\text{F}/450\text{V}$	68	6.3
MY712-6	0.25	2.00	920	59	0.92	0.45	1.5	5	20 $\mu\text{F}/450\text{V}$	68	7.6
MY801-6	0.37	2.78	920	63	0.92	0.35	1.6	8	20 $\mu\text{F}/450\text{V}$	68	9
MY802-6	0.55	3.90	920	66	0.93	0.35	1.6	14	25 $\mu\text{F}/450\text{V}$	70	11.6
MY90S-6	0.75	5.05	920	68	0.95	0.35	1.6	16	35 $\mu\text{F}/450\text{V}$	70	13.5
MY90L-6	1.1	7.30	920	69	0.95	0.35	1.6	25	50 $\mu\text{F}/450\text{V}$	70	16.2
<b>1500rpm, 4-pole, 50Hz</b>											
MYT631-2	0.18	1.40	2750	62	0.93	0.7	1.8	4.5	10 $\mu\text{F}/450\text{V}$	70	4
MYT632-2	0.25	1.80	2750	65	0.93	0.65	1.75	6	12 $\mu\text{F}/450\text{V}$	70	4.7
MYT711-2	0.37	2.60	2640	66	0.94	0.72	1.65	8	14 $\mu\text{F}/450\text{V}$	75	6.1
MYT712-2	0.55	3.60	2760	71	0.95	0.7	1.8	14	20 $\mu\text{F}/450\text{V}$	75	7.7
MYT801-2	0.75	4.50	2735	73	0.98	0.68	1.75	16	25 $\mu\text{F}/450\text{V}$	75	10.25
MYT802-2	1.1	6.60	2720	74	0.98	0.65	1.8	23	35 $\mu\text{F}/450\text{V}$	78	11.6
MYT90S-2	1.5	8.50	2755	76	0.98	0.65	1.8	31	50 $\mu\text{F}/450\text{V}$	80	14.55
MYT90L-2	2.2	12.30	2765	77	0.98	0.65	1.8	51	70 $\mu\text{F}/450\text{V}$	80	17.8
MYT100L-2	3	16.90	2765	77	0.99	0.55	1.75	64	90 $\mu\text{F}/450\text{V}$	83	23.7
<b>1500rpm, 4-pole, 50Hz</b>											
MYT711-4	0.25	2.00	1320	56	0.94	0.75	1.6	5	16 $\mu\text{F}/450\text{V}$	65	6.2
MYT712-4	0.37	2.90	1325	58	0.94	0.7	1.55	7	20 $\mu\text{F}/450\text{V}$	68	7.3
MYT801-4	0.55	10.60	1340	64	0.94	0.7	1.7	11	25 $\mu\text{F}/450\text{V}$	73	10.05
MYT802-4	0.75	5.30	1340	64	0.94	0.7	1.75	15	35 $\mu\text{F}/450\text{V}$	73	11.4
MYT90S-4	1.1	7.00	1355	72	0.95	0.68	1.8	22	40 $\mu\text{F}/450\text{V}$	75	14.4
MYT90L-4	1.5	9.30	1360	74	0.95	0.68	1.8	32	50 $\mu\text{F}/450\text{V}$	78	17.5
MYT100L1-4	2.2	12.60	1390	78	0.97	0.48	1.75	49	70 $\mu\text{F}/450\text{V}$	80	24.5
MYT100L2-4	3	16.50	1380	79	0.99	0.45	1.6	61	90 $\mu\text{F}/450\text{V}$	80	32
<b>950rpm, 6-pole, 50Hz</b>											
MYT631-6	0.09	0.92	900	46	0.92	0.8	1.45	2	8 $\mu\text{F}/450\text{V}$	63	5.1
MYT632-6	0.12	1.05	900	54	0.92	0.75	1.45	3	11 $\mu\text{F}/450\text{V}$	63	6
MYT711-6	0.18	1.55	900	55	0.92	0.7	1.5	4	16 $\mu\text{F}/450\text{V}$	68	6.3
MYT712-6	0.25	2.07	900	57	0.92	0.68	1.5	5	20 $\mu\text{F}/450\text{V}$	68	7.6
MYT801-6	0.37	2.82	900	62	0.92	0.68	1.6	8	25 $\mu\text{F}/450\text{V}$	68	9
MYT802-6	0.55	4.08	900	63	0.93	0.68	1.6	14	30 $\mu\text{F}/450\text{V}$	70	11.6
MYT90S-6	0.75	5.20	900	66	0.95	0.65	1.6	16	40 $\mu\text{F}/450\text{V}$	70	13.5
MYT90L-6	1.1	7.51	900	67	0.95	0.62	1.6	25	50 $\mu\text{F}/450\text{V}$	70	16.2

Note: MYT is high starting torque series single phase capacitor-run motors