

双值电容单相异步电动机

Two-value Capacitor Single Phase Asynchronous Motor

YCL系列电机为双值电容单相异步电机。它有运行电容和启动电容两个电容,为了增加电机的启动转矩,在电机启动时启动电容参与启动;电机启动后,启动电容被离心开关断开,运行电容参与运行。

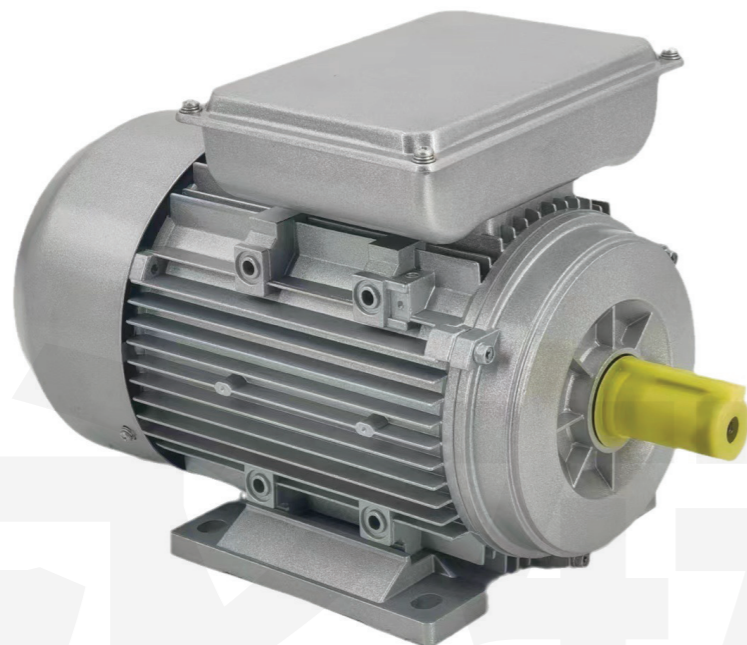
它在结构上与三相异步电动机相似,有性能好,运行安全可靠,外形美观,维护方便,噪音低,振动小,结构轻巧简单等优点,被广泛应用于空压机、水泵、风扇、制冷器、医疗设备和小型机械等设备上。该系列电机是铁壳机座,主要出口于海外市场。

YCL series motors are dual capacitance single-phase asynchronous motors. It has two capacitors: a running capacitor and a starting capacitor. In order to increase the starting torque of the motor, the starting capacitor is involved in starting the motor when it starts. After motor start, the starting capacitor is disconnected by the centrifugal switch, and the running capacitor participates in the operation.

It is similar to the three-phase asynchronous motor in structure, with good performance, safe and reliable operation, beautiful appearance, easy maintenance, low noise, small vibration, light and simple structure and other advantages, is widely used in air compressors, pumps, fans, refrigerators, medical equipment and small machinery and other equipment. This series of motor is iron shell frame, and mainly exported to overseas markets.

• 技术参数 (Parameters)

型号 Model	功率 Output		电压 Voltage (V)	电流 Current (A)	转速 Speed (r/min)	效率 Eff (%)	功率因素 Power Factor cosΦ	堵转转矩 额定转矩 Tst/Tn	堵转电流 额定电流 Ist/In	最大转矩 额定转矩 Tmax/Tn
	HP	KW								
YCL80a-2	1/2	0.37	220	3.7	2880	62	0.73	2.8	6.5	1.8
YCL80B-2	3/4	0.55	220	5.3	2880	65	0.73	2.8	6.5	1.8
YCL80c-2	1	0.75	220	6.7	2880	68	0.75	2.8	6.5	1.8
YCL90s-2	1.5	1.1	220	9.1	2880	71	0.77	2.4	7.0	1.8
YCL90L-2	2	1.5	220	12.1	2900	72	0.78	2.4	7.0	1.8
YCL100L-2	3	2.2	220	17.1	2900	74	0.79	2.1	7.0	1.8
YCL112M1-2	4	3	220	21.4	2900	76	0.84	2.2	7.0	1.8
YCL112M2-2	5	3.7	220	24.8	1450	79	0.86	2.2	7.0	1.8
YCL80a-4	1/3	0.25	220	3.4	1450	56	0.60	2.8	6	1.8
YCL80b-4	1/2	0.37	220	4.5	1450	60	0.62	2.8	6	1.8
YCL80c-4	3/4	0.55	220	6.0	1450	64	0.65	2.8	6	1.8
YCL90s-4	1	0.75	220	7.7	1450	67	0.66	2.4	6.5	1.8
YCL90L-4	1.5	1.1	220	10.5	1450	70	0.68	2.4	6.5	1.8
YCL100L-4	2	1.5	220	13.5	1450	72	0.70	2.4	6.5	1.8
YCL112M-4	3	2.2	220	19.3	1450	72	0.72	2.2	6.5	1.8
YCL132SA-4	4	3	220	25.2	1450	74	0.73	2.1	6.5	1.8
YCL132SB-4	5	3.7	220	30	1450	75	0.74	2.1	6.5	1.8
YCL132M-4	7.5	5.5	220	32.5	1450	81	0.95	2.1	6.5	1.8



双值电容单相异步电动机

Two-value Capacitor Single Phase Asynchronous Motor

YL系列电机与YCL系列电机相比,都是双值电容单相异步电机,只是YL系列电机机座是铝壳材质,在外形上与后者有一些差别。由于其结构简单、成本低廉、维护及使用方便等优点,被广泛应用于自动控制、医疗机械、洗衣机、电冰箱、吸尘器、小型鼓风机等设备中。

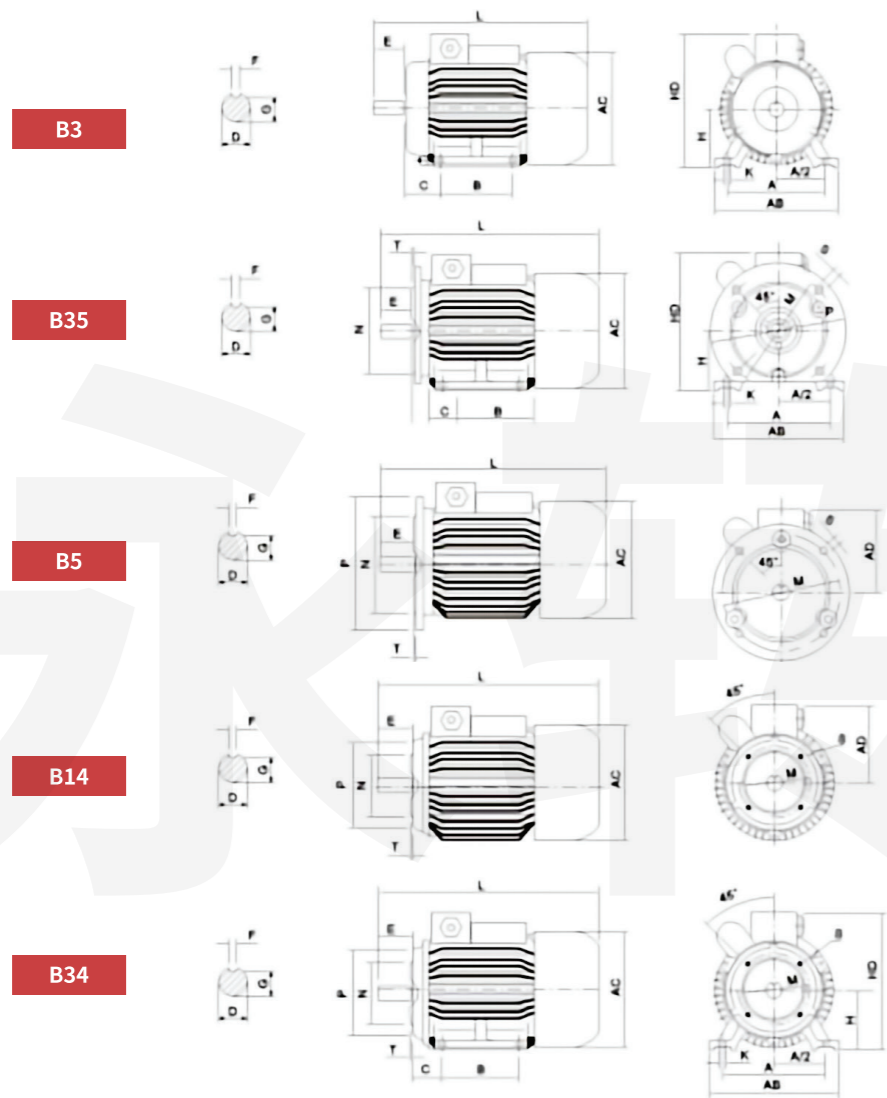
YL series motor compare with YCL series motor, is also dual capacitance single-phase asynchronous motor, but YL series motor frame is aluminum shell, there are some differences in appearance with YCL. Because of its simple structure, low cost, easy maintenance and use, it is widely used in automatic control, medical machinery, washing machines, refrigerators, vacuum cleaners, small blowers and other equipment.

• 技术参数 (Parameters)

型号 Model	功率 Power (KW)	额定电流 Rated current (A)	转速 Speed (r/min)	效率 Eff (%)	功率因素 Power Factor cosΦ	堵转转矩 额定转矩 Tst/Tn	堵转电流 LST (A)
YL711-2	0.37	2.2	2800	67	0.92	1.8	16
YL712-2	0.55	3.9	2800	70	0.92	1.8	21
YL801-2	0.75	4.9	2800	72	0.95	1.8	29
YL802-2	1.1	7	2800	75	0.95	1.8	40
YL90S-2	1.5	9.4	2800	76	0.95	1.7	55
YL90L-2	2.2	13.7	2800	77	0.95	1.7	80
YL100L1-2	3	18.2	2800	79	0.95	1.7	110
YL112M-2	4	26.6	2850	77	0.82	2.2	175
YL132S-2	4	27.5	2800	79	0.86	1.7	180
YL132M-2	5.5	32.5	2800	81	0.95	1.7	230
YL711-4	0.25	2	1400	62	0.92	1.8	12
YL712-4	0.37	2.8	1400	65	0.92	1.8	16
YL801-4	0.55	4	1400	68	0.92	1.8	21
YL802-4	0.75	5.1	1400	71	0.92	1.8	29
YL90S-4	1.1	7.3	1400	73	0.95	1.7	40
YL90L-4	1.5	9.7	1400	75	0.95	1.7	55
YL100L1-4	2.2	13.9	1400	76	0.95	1.7	80
YL112M-4	3	18.6	1400	77	0.95	1.7	110
YL132S-4	4	27.1	1400	78	0.77	2.2	175
YL132M-4	5.5	31.2	1400	78	0.95	2.2	230

• 外形与安装尺寸图

Figure of external mounting dimensions.



机座号 Stand No.	安装尺寸 Mounting dimensions											外形尺寸 Out Line dimensions																
	A	A/2	B	C	D	E	F	G	H	K	IMB14 034					IMBB5 035						AB	AC	AD	AE	HD	L	
											M	N	P	R	S	T	M	N	P	R	S							T
71	112	56	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	140	95	180	255
80	125	62.5	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	160	165	150	110	200	295
90S	140	70	100	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	180	185	160	120	220	370
90L	140	70	125	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	180	185	160	120	220	400
100L	160	80	140	63	28	60	8	24	100	12	-	-	-	-	-	215	180	250	0	15	4	205	200	180	130	260	430	
112M	190	95	140	70	28	60	8	24	112	12	-	-	-	-	-	215	180	250	0	15	4	245	250	190	140	300	455	
132S	216	108	140	89	38	80	10	33	132	12	-	-	-	-	-	265	230	300	0	15	4	280	290	210	155	350	525	
132M	216	108	178	88	38	80	10	33	132	12	-	-	-	-	-	265	230	300	0	15	4	280	290	210	155	350	565	

YC 系列 Series



电容启动单相异步电动机

Capacitor Starting Single Phase Asynchronous Motor

YC系列电机是一种单电容启动单相异步电机，它有起动转矩大，过载能力强，低温升，低噪声，节能省电等特点，主要应用于空压机、水泵、洗衣机、冰箱、小型钻孔机等机械。

YC series motor is single capacitor starting single-phase asynchronous motor, it has the characteristics of large starting torque, strong overload capacity, low temperature rise, low noise, energy saving, etc., mainly used in air compressor, water pump, washing machine, refrigerator, small drilling machine and other machinery.

• 技术参数 (Parameters)

型号 Model	功率 Power (KW)	额定电流 Rated current (A)	转速 Speed (r/min)	效率 Eff (%)	功率因素 Power factor cosΦ	堵转转矩 额定转矩 Tst/Tn	堵转电流 额定电流 Ist/In	最大转矩 额定转矩 Tmax/Tn	噪声 Noise (A)
YC711-2	0.18	1.9	2800	60	0.72	3.0	1.8	12	70
YC712-2	0.25	2.4	2800	64	0.74	3.0	1.8	15	70
YC801-2	0.37	3.4	2800	65	0.77	2.8	1.8	21	75
YC802-2	0.55	4.7	2800	68	0.79	2.8	1.8	29	75
YC90S-2	0.75	6.1	2800	70	0.80	2.5	1.8	37	75
YC90L-2	1.1	8.7	2800	72	0.80	2.5	1.8	60	78
YC100L1-2	1.5	11.4	2800	74	0.81	2.5	1.8	80	83
YC100L2-2	2.2	16.5	2800	75	0.81	2.2	1.8	120	83
YC112M-2	3	21.9	2800	76	0.82	2.2	1.8	150	87
YC112M2-2	4	24.8	2850	78	0.86	2.2	1.8	170	87
YC132S-2	4	26.6	2850	77	0.82	2.2	1.8	175	82
YC711-4	0.12	1.9	1400	50	0.58	3.0	1.8	9	65
YC712-4	0.18	2.5	1400	53	0.62	2.8	1.8	12	65
YC801-4	0.25	3.1	1400	58	0.63	2.8	1.8	15	65
YC802-4	0.37	4.2	1400	62	0.64	2.5	1.8	21	70
YC90S-4	0.55	5.5	1400	66	0.69	2.5	1.8	29	70
YC90L-4	0.75	6.9	1400	68	0.73	2.5	1.8	37	70
YC100L1-4	1.1	9.5	1400	71	0.74	2.5	1.8	60	73
YC112M-4	1.5	12.5	1400	73	0.75	2.5	1.8	80	78
YC100L2-4	2.2	17.8	1400	74	0.76	2.2	1.8	120	78
YC132S-4	3	23.6	1400	75	0.77	2.2	1.8	150	82
YC132M-4	3.7	28	1400	76	0.79	2.2	1.8	175	82
YC132L-4	5.5	30.5	1400	82	0.84	2.2	2	198	93
YC160M1-4	5.5	37.2	1400	75	0.77	2.1	2	310	96
YC160M2-4	7.5	50.3	1400	78	0.76	2.1	2	350	87

Address: No.70 Chenyang, Jiaze Town, Wujin District
 Changzhou City, Jiangsu Province, China.

Zip code: 213100

Website:

www.victory-motor.com

www.yongzhuan-motor.com

China Marketing Department

Contact person: Tony Zhao

Wechat/Cell: +8618006128116

Email: tony@yongzhuan-motor.com

International Marketing Department

Contact person: Rylee Lu

Wechat/Cell/WhatsApp: +8615961132045

Email: rylee@yongzhuan-motor.com