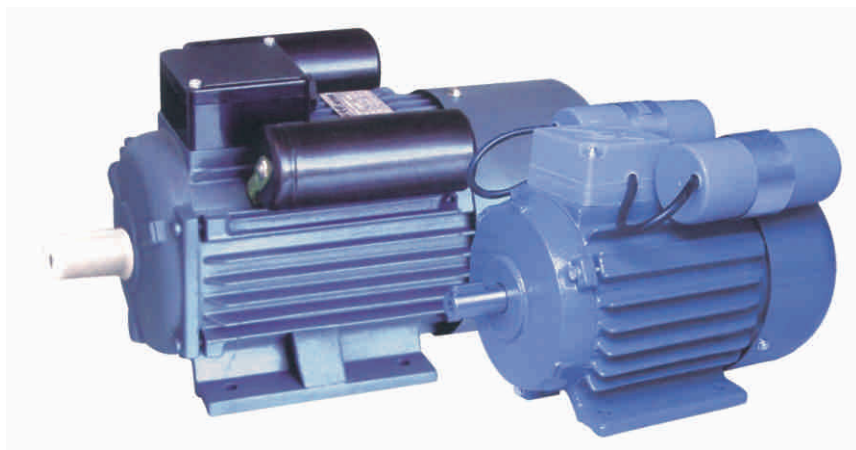




YC/YL大马力单相电容起动、运转异步电动机



YC系列大马力单相电动机适用于驱动小型车床、水泵、对单相电源的家族，作坊尤为适。该系列电动机采用先进技术设计，使用优质材料制造，具有外形美观、性能先进、维护先进、维护方便、运行可靠的特点，符合IEC标准的有关标准。

YC系列电动机防护型式为IP44全封闭扇冷式，输出功率3HP以下采用电容起动，在额定电压下50Hz时起动转矩大于2.5倍，输出功率4HP及以上采用电容起动运转，集中了起动转矩大、运转平稳、温升低、噪音小、过载能力强等优点。

YL系列大马力单相电容起动、运转异步电动机，适用于驱动小型车床、水泵、对只有单相电源的家族、作坊尤为适用。该系列电动机采用先进技术设计、使用优质材料制造，具有外形美观、性能先进、维护方便、运行可靠、温升低、噪声小，起动电流小、起动转矩大等特点，符合IEC标准有关规定。

YC series heavy duty single phase motors are suitable for powering small type machine tools and water pumps, specially for family work shops where only single phase current supply is available. Motors of the said series are integrated with up to date design, built with the best quality materials and possess the features of pleasant looking appearance, outstanding performance, easy maintenance and reliable running. The designations, signs and nominal values are all in conformity with I.E.C. standards

YC series protected motors are of IP44 totally enclosed fan cooling type, rated output is 3Hp or below with capacitor starting. Under rated voltage and 50Hz, the starting torque is 2.5 times more than the rated torque. Motors for 4HP or over are of capacitor start and run type. They all concentrate the advantages of high starting torque, smooth running, low temperature rise, low noise and greater overload performance.

YL series heavy duty single phase capacitor start and run induction motors are suitable for powering small type machine tools and water pumps, specially for family workshops where only single current supply is available, motors of the said series are integrated with up to date design, built with the best quality materials and possess the feature of pleasant looking appearance, outstanding performance, easy maintenance and reliable running. The designations, signs and nominal values are all in conformity with I.E.C Standards

使用条件

环境温度: $-15^{\circ}\text{C} < \theta < 40^{\circ}\text{C}$

海拔: 不超过1000m

额定电压: 100V、115V、120V、220V、230V、240V

额定频率: 50Hz、60Hz 防护等级: IP44、IP54

绝缘等级: B级、F级、H级 冷却方式: ICO141

工作方式: S1 (连续工作制)

OPERATING CONDITIONS

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

Altitude: not exceed 1000m

Rated voltage: 380V or any voltage between 220V/760V

Rated frequency: 50Hz, 60Hz

Protection class: IP44, IP54, IP55

Insulation class: B, F, H

Cooling method: ICO141

Duty: S1 (continuous)

技术数据 TECHNICAL DATA

型 号 Type	功率 out put (W)	电流 Current (A)	电压 Voltage (V)	频率 Frequency (Hz)	转速 Speed (r/min)	效率 Eff (%)	功率因数 Power Factor	堵转转矩 额定转矩 Locked rotor torque Rated torque	最大转矩 额定转矩 PULL-out torque Rated torque
YL801-2	750	5.2	220	50	2800	72	0.92	1.7	1.8
YL802-2	1100	7.2	220	50	2800	75	0.95	1.7	1.8
YL801-4	550	4.0	220	50	1400	68	0.92	1.7	1.8
YL802-4	750	5.2	220	50	1400	71	0.92	1.7	1.8
YL90S-2	1500	9.44	220	50	2800	76	0.95	1.7	1.8
YL90S-4	1100	7.21	220	50	1400	73	0.95	1.7	1.8
YL90L-2	2200	13.67	220	50	2800	77	0.95	1.7	1.8
YL90L-4	1500	9.57	220	50	1400	75	0.95	1.7	1.8



技术数据 TECHNICAL DATA

型 号 Type	功率 Output		电流 Current (A)	功率因数 Power Factor	效率 Eff (%)	转速 Speed (r/min)	堵转转矩 额定转矩 Locked rotor torque Rated torque	堵转电流 额定电流 Locked rotor current rated torque	最大转矩 额定转矩 MAX Torque rated torque
	HP	kW							
YC80A-2	1/2	0.37	3.99	0.75	57	2850	3.0	6.5	1.8
YC80B-2	3/4	0.55	5.04	0.74	67	2850	3.0	6.5	1.8
YC80C-2	1	0.75	6.68	0.75	88	2850	3.0	6.5	1.8
YC90S-2	1.5	1.10	8.93	0.80	70	2850	2.8	7.0	1.8
YC90L-2	2	1.50	11.4	0.82	73	2870	2.8	7.0	1.8
YC100L-2	3	2.20	16.5	0.82	74	2900	2.5	7.0	1.8
YC112MA-2	4	3.00	21.4	0.84	76	2900	2.2	7.0	1.8
YC112MB-2	5	3.70	24.8	0.86	79	2900	2.2	7.0	1.8
YC80A-4	1/3	0.25	3.52	0.62	52	1400	3.0	6.0	1.8
YC80B-4	1/2	0.37	4.89	0.64	56	1400	3.0	6.0	1.8
YC80C-4	3/4	0.55	6.00	0.65	64	1400	3.0	6.0	1.8
YC90S-4	1	0.75	7.50	0.72	63	1400	2.8	6.5	1.8
YC90L-4	1.5	1.10	10.4	0.72	67	1420	2.8	6.5	1.8
YC100L-4	2	1.50	13.0	0.73	72	1440	2.8	6.5	1.8
YC112M-4	3	2.20	18.5	0.74	73	1450	2.5	6.5	1.8
YC132SA-4	4	3.00	22.4	0.80	76	1450	2.2	6.5	1.8
YC132SB-4	5	3.70	26.0	0.82	79	1450	2.2	6.5	1.8

注:表中的电流值为额定电压,为200V额定频率为50Hz时的数值

Remarse The tabulated Values are those under rated voltage 220V and rated frequenvy 50Hz

外形及安装尺寸 OVERALL AND MOUNTING DIMENSIONS

机座号 Frame size	安装尺寸 Mounting dimensions (mm)															外形尺寸 Overall dimension				
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	L
71	112	90	45	14	30	5	11.0	71	7	130	110	160	0	10	3.5	145	145	140	180	255
80	125	100	50	19	40	6	15.5	80	10	165	130	200	0	12	3.5	160	165	150	200	295
90S	140	100	56	24	50	8	20.0	90	10	165	130	200	0	12	3.5	180	185	160	240	370
90L	140	125	56	24	50	8	20.0	90	10	165	130	200	0	12	3.5	180	185	160	240	400
100L	160	140	63	28	60	8	24.0	100	12	215	180	250	0	15	4.0	205	220	180	260	430
112M	190	140	70	28	60	8	24.0	112	12	215	180	250	0	15	4.0	245	250	190	300	455
132S	216	112	89	38	80	10	33.0	132	12	265	230	300	0	15	4.0	280	290	210	350	525

Material Table

Item	Description
1	键 KEY
2	波形垫圈 wave-form washer
3	滚球轴承 Ball bearing
4	转子 Rotor
5	前端盖 DE shield
6	定子 Stator pack with winding
7	机座 Frame
8	接线盒 Terminal box
9	名牌 Nameplate
10	电容 capacitor
11	线圈 Winding
12	后端盖 NDE shield
13	离心开关 Centrifugal switch
14	风扇 Fan
15	挡圈 Circlipe
16	风罩 Fan cowl

