



JL SINGLE PHASE ASYNCHRONOUS MOTOR JL单相异步电动机



概述

GENERALIZATION

JL系列单相电机是本公司按欧洲要求最新设计的产品之一，电机机壳，前后端采用铝合金压铸成型，接线盒采用工程塑料，具有选型独特、结构紧凑，重量轻，并有底脚可拆卸装置，能任意转换各种安装方式，方便用户使用。

JL系列单相电机具有效率高，起动力矩大，特别是JLY系列的起动转矩比常规高一倍，噪音低、振动小、使用性能好等特点，功率等级和安装尺寸符合IEC标准，广泛应用于水泵、减速机、制冷、医疗器械等小型机械，对只有单相电流的场合尤为适用。

JL series single phase motors, one of our latest developed products, applied European standard. The motor frame, front and back end shields are made of aluminum-alloy die-casting while the terminal box is made of engineering plastics. It has a beautiful modeling, compact structure, light weight and removable feet with various mounting mode available, which is convenient for using.

JL series single phase electric motors have a lot of advantages including high efficiency, large starting torque, especially JLY series with starting torque one time higher than standard Chinese motors, excellent performance, low noise and vibration, and so on. The mounting dimension and power rate is in conformity to the IEC standard. They are widely used on small machineries such as reducers, air conditioners, pumps, medical equipments, etc. They are particularly suitable for the sites with single phase power.

JL系列单相电机有三个型式：
JL series single phase motors are available in the following three types:

JLY: 为电容运转异步电动机;
JLC: 为电容启动异步电动机;
JLL: 为双值电容异步电动机;

JLY: is with running capacitor
JLC: is with starting capacitor
JLL: is with double capacitors

使用条件：

环境温度：-15℃ ≤ θ ≤ 40℃

工作方式：连续（S1）

海拔：不超过1000米

绝缘等级：B级或F级

相对湿度：不超过90%

防护等级：IP54或IP55

额定电压：110V 220V 230V 240V

冷却方法：IC411

额定频率：50Hz 60Hz

OPERATING CONDITIONS:

Ambient temperature: -15℃ ≤ θ ≤ 40℃

Duty: Continuous (S1).

Altitude: Below 1000 meters above sea level.

Insulation class: B or F,

Relative humidity: Not over 90%.

Protection degree: IP54 or IP55.

Rated voltage: 110V, 220V, 230V, 240V.

Cooling method: IC411.

Rated frequency: 50Hz, 60Hz.

代号说明 DESIGNATION

产品型号

Motor Identification Symbol

JLL JLC JLY

电容运转单相异步电动机
With running capacitor

电容启动单相异步电动机
With starting capacitor

双值电容单相异步电动机
With double capacitors

防护等级

Protection Degree

IP 5 4

防溅水
Splashproof

防尘
Protecting against dust

国际防护表征字母
International protection symbol

冷却方法

Cooling Method

IC 411

全封闭自扇冷式
Totally-enclosed fan-cooled type

国际冷却法
International cooling symbol

技术数据 TECHNICAL DATA

JLY 电容运转单相异步电动机 230V 50HZ JLY Single phase motors with running capacitors

型 号 Type	功率 Output(HP)		电 流 Current (A)	转 速 Speed (r/min)	效 率 Eff (%)	功率因数 Power factor	堵转转矩 Ts 额定转矩 Tn	最大转矩 Tmax 额定转矩 Tn	堵转电流 Is 额定电流 In	电容容量 Capacity (UF)	惯 量 Moment j (kgm ²)
	kW	HP									
JLY561-2	0.09	0.12	0.7	2720	55	0.90	0.60	1.7	3.6	10	0.00010
JLY562-2	0.12	0.18	1.0	2720	55	0.90	0.60	1.7	3.6	14	0.00012
JLY631-2	0.18	0.25	1.47	2760	60	0.92	0.66	1.7	3.7	10	0.000150
JLY632-2	0.25	0.37	1.91	2760	60	0.92	0.66	1.7	3.7	10	0.000163
JLY711-2	0.37	0.5	3.12	2800	65	0.92	0.71	1.7	3.7	16	0.000350
JLY712-2	0.55	0.75	3.63	2800	65	0.92	0.74	1.7	3.9	20	0.000460
JLY801-2	0.75	1	5.50	2810	67	0.92	0.75	1.7	3.9	25	0.000970
JLY802-2	1.1	1.5	7.52	2820	67	0.95	0.77	1.7	4.3	30	0.001090
JLY90S-2	1.5	2	10.75	2840	72	0.95	0.78	1.7	4.8	40	0.002690
JLY90L-2	2.2	3	13.10	2840	73	0.95	0.80	1.7	4.8	50	0.003080
JLY100L-2	3	4	16.8	2800	79	0.99	0.80	1.9	4.8	60	0.01260
JLY561-4	0.06	0.08	0.65	1360	55	0.90	0.61	1.7	3.1	5	0.00030
JLY562-4	0.09	0.12	0.85	1360	55	0.90	0.61	1.7	3.1	6.3	0.00040
JLY631-4	0.12	0.18	1.40	1340	60	0.9	0.68	1.7	3.2	8	0.000170
JLY632-4	0.18	0.25	1.52	1340	60	0.9	0.68	1.7	3.3	10	0.000230
JLY711-4	0.25	0.37	2.2	1370	62	0.92	0.73	1.7	3.4	12.5	0.000400
JLY712-4	0.37	0.5	2.80	1370	62	0.92	0.75	1.7	3.4	12.5	0.000570
JLY801-4	0.55	0.75	4.51	1400	63	0.92	0.78	1.7	3.5	20	0.001400
JLY802-4	0.75	1	5.2	1400	65	0.92	0.78	1.7	3.7	25	0.001600
JLY90S-4	1.1	1.5	8.85	1410	70	0.95	0.80	1.7	4	30	0.002830
JLY90L-4	1.5	2	9.51	1410	71	0.95	0.80	1.7	4.6	40	0.003590
JLY100L1-4	2.2	3	14.0	1420	79	0.85	0.82	1.9	4.8	50	0.00540
JLY100L2-4	3	4	16.7	1420	79	0.98	0.83	1.9	4.8	60	0.00670

JLC 电容起动单相异步电动机 220V 50HZ

JLC Single phase motors with starting capacitors

型 号 Type	功率 Output(HP)		电 流 Current (A)	转 速 Speed (r/min)	效 率 Eff (%)	功率因数 Power factor	堵转转矩 $\frac{T_s}{T_n}$ 额定转矩	最大转矩 $\frac{T_{max}}{T_n}$ 额定转矩	堵转电流 $\frac{I_s}{I_n}$ 额定电流	惯量 Moment j (kgm ²)
	kW	HP								
JLC711-2	0.18	0.25	1.9	2750	60	0.72	3.0	1.8	6.30	0.000380
JLC712-2	0.25	0.37	2.4	2770	64	0.74	3.0	1.8	6.25	0.000450
JLC801-2	0.37	0.5	3.36	2800	65	0.77	2.8	1.8	6.25	0.000970
JLC802-2	0.55	0.75	4.65	2810	68	0.79	2.8	1.8	6.24	0.001100
JLC90S-2	0.75	1	6.1	2820	70	0.80	2.5	1.8	6.10	0.002800
JLC90L-2	1.1	1.5	8.7	2820	72	0.80	2.5	1.8	7.20	0.003200
JLC100A-2	1.5	2	11.5	2830	74	0.81	2.5	1.8	7.20	0.003610
JLC100B-2	2.2	3	16.4	2830	75	0.81	2.2	1.8	7.65	0.003820
JLC711-4	0.12	0.18	1.9	1350	50	0.58	3.0	1.8	4.80	0.000470
JLC712-4	0.18	0.25	2.5	1370	53	0.62	2.8	1.8	4.80	0.000530
JLC801-4	0.25	0.37	3.1	1400	58	0.63	2.8	1.8	4.80	0.001440
JLC802-4	0.37	0.5	4.2	1410	62	0.64	2.5	1.8	5.00	0.001660
JLC90S-4	0.55	0.75	5.55	1420	66	0.69	2.5	1.8	5.20	0.002760
JLC90L-4	0.75	1	6.77	1420	68	0.73	2.5	1.8	5.50	0.003580
JLC100A-4	1.1	1.5	9.5	1430	71	0.74	2.5	1.8	6.40	0.004900
JLC100B-4	1.5	2	12.5	1430	73	0.75	2.5	1.8	6.40	0.005350

JLL 双值电容单相异步电动机 220V 50HZ

JLL Single phase motors with double capacitors

型 号 Type	功率 Output(HP)		电 流 Current (A)	转 速 Speed (r/min)	效 率 Eff (%)	功率因数 Power factor	堵转转矩 $\frac{T_s}{T_n}$ 额定转矩	最大转矩 $\frac{T_{max}}{T_n}$ 额定转矩	堵转电流 $\frac{I_s}{I_n}$ 额定电流	惯量 Moment j (kgm ²)
	kW	HP								
JLL711-2	0.37	0.50	2.64	2760	67.0	0.95	1.8	1.8	5.8	0.000610
JLL712-2	0.55	0.75	3.76	2780	70.0	0.95	1.8	1.8	5.4	0.000720
JLL801-2	0.75	1	4.98	2800	72.0	0.95	1.8	1.7	5.7	0.000970
JLL802-2	1.1	1.5	7.11	2800	74.0	0.95	1.8	1.7	5.6	0.001100
JLL90S-2	1.5	2	9.57	2800	75.0	0.95	1.7	1.7	6.0	0.002960
JLL90L-2	2.2	3	13.85	2800	76.0	0.95	1.7	1.7	6.2	0.003240
JLL100L1-2	3.0	4	18.40	2820	78.0	0.95	1.7	1.7	6.4	0.003930
JLL711-4	0.25	0.37	2.02	1360	61.0	0.92	1.8	1.8	6.0	0.000910
JLL712-4	0.37	0.55	2.81	1370	65.0	0.92	1.8	1.8	5.7	0.000100
JLL801-4	0.55	0.75	4.00	1400	68.0	0.92	1.8	1.7	5.4	0.001700
JLL802-4	0.75	1	5.13	1400	70.0	0.95	1.8	1.7	5.5	0.001960
JLL90S-4	1.1	1.5	7.41	1400	71.0	0.95	1.7	1.7	5.7	0.003050
JLL90L-4	1.5	2	9.83	1400	73.0	0.95	1.7	1.7	6.0	0.003890
JLL100L1-4	2.2	3	14.04	1410	75.0	0.95	1.7	1.7	6.1	0.005100
JLL100L1-4	3	4	18.64	1420	77.0	0.95	1.7	1.7	6.4	0.006300

安装及外形尺寸

MOUNTING AND OVERALL DIMENSIONS

JLY 电容运转单相异步电动机

JLY single phase motors with running capacitors

机座号 Frame	A	AA	AB	AC	AD	B	BB	C	D	DH	E	F	G	H	K	KK	L	M	N	P	S	T
56 63	100	24	135	130	115	80	115	40	11	M4 X 12	23	4	8.5	63	7	1-M20 X 1.5	217	115	95	140	10	3.0
71	112	26	150	145	120	90	125	45	14	M5 X 12	30	5	11.0	71	7	1-M20 X 1.5	245	130	110	160	10	3.5
80	125	35	165	175	145	100	135	50	19	M6 X 16	40	6	15.5	80	10	1-M25 X 1.5	300	165	130	200	12	3.5
90S	140	37	180	195	155	100	140	56	24	M8 X 19	50	8	20.0	90	10	1-M25 X 1.5	320	165	130	200	12	3.5
90L	140	37	180	195	155	125	165	56	24	M8 X 19	50	8	20.0	90	10	1-M25 X 1.5	350	165	130	200	12	3.5
100L	160	40	205	215	180	140	185	63	28	M10 X 22	60	8	24.0	100	12	1-M25 X 1.5	385	215	180	250	14.5	4.0

JLC 电容起动单相异步电动机

JLC single phase motors with starting capacitors

机座号 Frame	A	AA	AB	AC	AD	B	BB	C	D	DH	E	F	G	H	K	KK	L	M	N	P	S	T
71	112	26	150	145	120	90	125	45	14	M5 X 12	30	5	11	71	7	1-M20 X 1.5	245	130	110	160	10	3.5
80	125	35	165	175	145	100	135	50	19	M6 X 16	40	6	15.5	80	10	1-M25 X 1.5	300	165	130	200	12	3.5
90S	140	37	180	195	155	100	140	56	24	M8 X 19	50	8	20	90	10	1-M25 X 1.5	320	165	130	200	12	3.5
90L	140	37	180	195	155	125	165	56	24	M8 X 19	50	8	20	90	10	1-M25 X 1.5	350	165	130	200	12	3.5
100	160	40	205	215	180	140	185	63	28	M10 X 22	60	8	24	100	12	1-M25 X 1.5	385	215	180	250	14.5	4.0

JLL 双值电容单相异步电动机

JLL single phase motors with double capacitors

机座号 Frame	A	AA	AB	AC	AD	B	BB	C	D	DH	E	F	G	H	K	KK	L	M	N	P	S	T
71	112	26	150	145	120	90	125	45	14	M5 X 12	30	5	11.0	71	7	1-M20 X 1.5	245	130	110	160	10	3.5
80	125	35	165	175	145	100	135	50	19	M6 X 16	40	6	15.5	80	10	1-M25 X 1.5	300	165	130	200	12	3.5
90S	140	37	180	195	155	100	140	56	24	M8 X 19	50	8	20.0	90	10	1-M25 X 1.5	320	165	130	200	12	3.5
90L	140	37	180	195	155	125	165	56	24	M8 X 19	50	8	20.0	90	10	1-M25 X 1.5	350	165	130	200	12	3.5
100	160	40	205	215	180	140	185	63	28	M10 X 22	60	8	24.0	100	12	1-M25 X 1.5	385	215	180	250	14.5	4.0

安装及外形尺寸

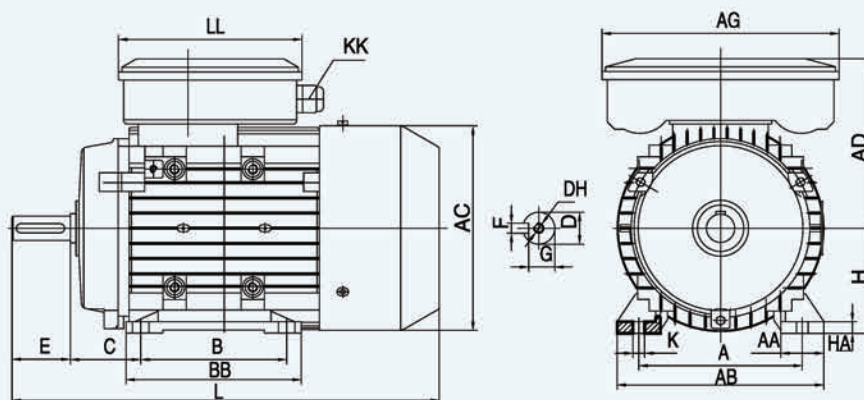
MOUNTING AND OVERALL DIMENSIONS

JLY 电容运转单相异步电动机 JLY single phase motors with running capacitors

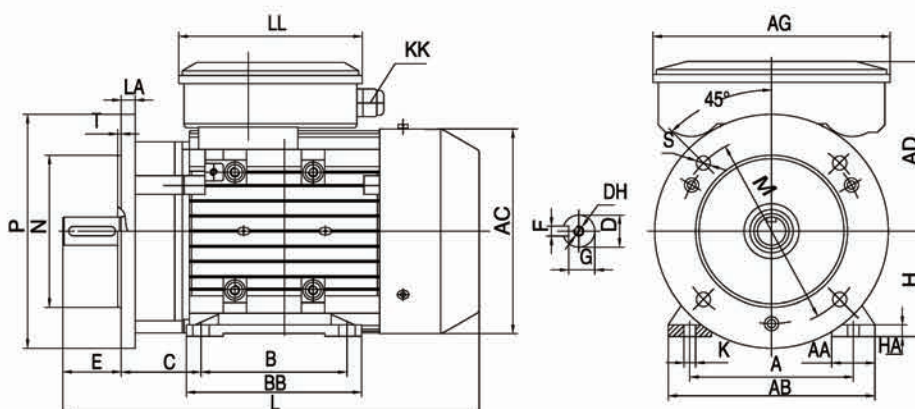
JLC 电容起动单相异步电动机 JLC single phase motors with starting capacitors

JLL 双值电容单相异步电动机 JLL single phase motors with double capacitors

JLY/JLC/JLL IM B3



JLY/JLC/JLL IM B35



JLY/JLC/JLL IM B5/V1

