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浙江格乐传动科技有限公司
ZHEJIANG GELE TRANSMISSION TECHNOLOGY CO.,LTD.

电动机选型手册

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浙江格乐传动科技有限公司是一家集研发、制造、销售服务于一体的专业企业。

本公司主要产品有 MS/YS、YEJ、YVP、ML/YL、YE2、YD2、YEJ2、YVF2、YVPEJ、RKFS 等多种系列的异步电动机及其他派生的各种专用特殊电机、R、F、K、S 四大系列减速机、RV 系列减速机、UDL 系列无级变速器、G 系列微小型减速机、KM 系列准双曲面减速机、T 系列换向器、H、B 系列标准工业齿轮箱等各种专用机械传动产品，产品已通过欧盟 CE 认证和中国 CCC 认证。产品畅销全国各地并出口东南亚地区、德国、意大利、波兰、英国、法国、中东地区、南美洲、非洲、亚洲等 80 多个国家和地区。

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ABOUT US

ZHEJIANG GELE TRANSMISSION TECHNOLOGY CO.,LTD is a professional enterprise that integrates research, manufacturing and sales service.

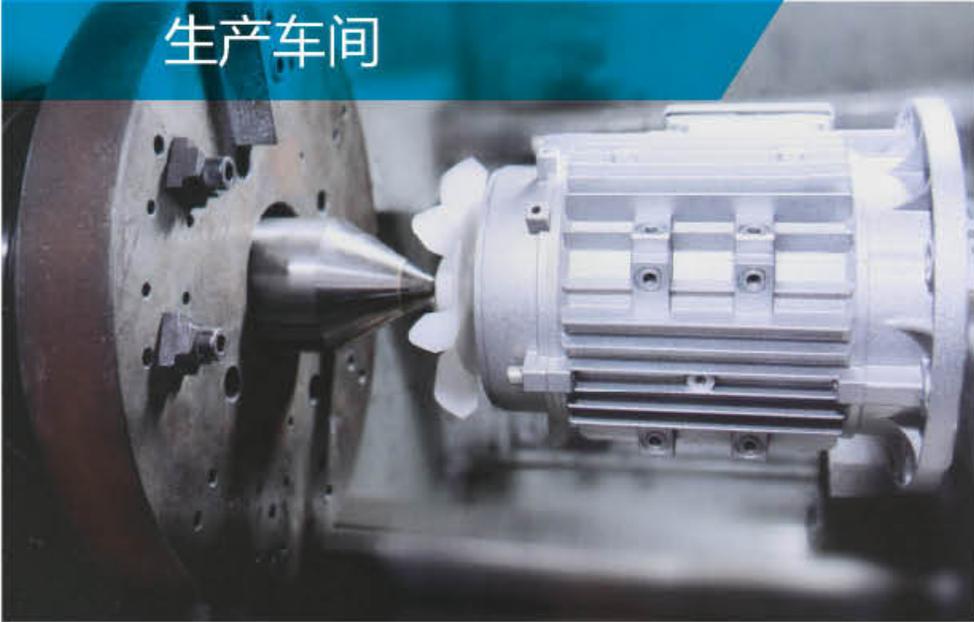
Our main products include: R-K-F-S series helical gearboxes, RV worm gearboxes, MS/YS, YEJ, YVP, ML/YL, YE2, YD2, YEJ2, YVF2, YVPEJ, RKFS three phase & single phase asynchronous motors, UDL speed variators, G series mini geared motor, KM hypoid gearboxes, T series steering gear, HB series industrial gearboxes and other specialized mechanical transmission products. we have CE and CCC certificate. Products sell well in domestic market and exported to Southeast Asia, Germany, Italy, Poland, UK, France, the Middle East, South America, Africa and so on.

Our products are widely used in a variety of industrial fields such as foodstuffs, package, chemicals, pharmacy, environment protection, textile, mine and etc.

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YS/MS 系列铝壳三相异步电动机

YS/MS Series Aluminium three-phase asynchronous motor

01-03



YEJ 系列铝壳电磁制动三相异步电动机

YEJ Series aluminum electromagnetic brake three-phase asynchronous motor

04-05



YVP 系列铝壳变频调速三相异步电动机

YVP Series aluminum Variable frequency speed regulating three-phase asynchronous motor

06-07



YL 系列单相双值电容异步电动机

YL Series two-value capacitor single-phase asynchronous motor

08-09



YE3 系列铁壳三相异步电动机

YE3 series cast iron three-phase asynchronous motor

10-15



YVF2 系列铁壳变频调速三相异步电动机

YVF2 series cast iron frequency conversion and speed regulation three-phase asynchronous motors

16-17



YEJ2 系列铁壳电磁制动三相异步电动机

YEJ2 series cast iron electromagnetic brake three-phase asynchronous motors

18-20



YVPEJ 系列铁壳变频调速三相异步电动机

YVPEJ series cast iron variable frequency speed regulating three-phase asynchronous motors

21-25



RKFS 四大系列专用直联三相异步电动机

R-K-F-S series special direct-connected three-phase asynchronous motors

26-28



产品概述

PRODUCT OVERVIEW

YS/MS 系列铝壳三相异步电动机符合国家电工协会 IEC 有关规定, 选用优质原材料进行最新式整体设计, 具有性能好、噪声低、振动小、运行安全可靠、外形美观、体积小、重量轻、结构简单、维修方便等优点。

YS/MS series aluminum three-phase asynchronous motor is in conformity with IEC standard of National Electrotechnical Association. It adopts the latest design and uses high quality raw material. It has advantages of good performance, low noise, small vibration, safe & reliable running, nice appearance, small volume, light weight, simple structure, easy maintenance and so on.

使用条件

环境温度: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$
海拔: 不超过 1000m
额定电压: 380V
额定频率: 50Hz、60Hz
防护等级: IP54、IP55
绝缘等级: B、F
冷却方式: ICO141
工作方式: 连续 S1

OPERATING CONDITIONS

Ambient temperature: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$
Altitude: not exceeding 1000m
Rated voltage: 380V
Rated frequency: 50Hz、60Hz
Protection class: IP54、IP55
Insulation class: Class B/F
Cooling method: ICO141
Duty: S1 (continuous)

技术数据 TECHNICAL DATA:

型号 Model	额定功率 Rated Output		额定电流 Rated Current (A)			转速 Speed (r/min)	效率 Efficiency η %	效率 75% 负载 Efficiency at 75% load	效率 50% 负载 Efficiency at 50% load	功率因数 Power factor	额定转矩 Rated Torque Nm	堵转转矩 额定转矩 Tstart/Tn	堵转电流 额定电流 Ist/In	最大转矩 额定转矩 Tmax/Tn	重量 Weight (kg)
	kw	HP	380V	400V	415V										
同步转速3000转/分 (2极) 380V 50Hz Synchronous Speed 3000r/min(2 poles)															
YS/MS-562-2	0.12	0.18	0.42	0.40	0.38	2760	60.8	60.8	59.6	0.72	0.42	2.1	5.2	2.2	5.2
YS/MS-631-2	0.18	0.25	0.52	0.49	0.47	2730	65.9	65.9	64.6	0.80	0.63	2.2	5.5	2.2	6.1
YS/MS-632-2	0.25	0.37	0.67	0.64	0.62	2730	69.7	69.7	68.3	0.81	0.87	2.2	5.5	2.2	6.4
YS/MS-711-2	0.37	0.5	0.94	0.89	0.86	2750	73.8	73.8	72.3	0.81	1.28	2.2	6.1	2.2	6.8
YS/MS-712-2	0.55	0.75	1.31	1.24	1.20	2750	77.8	77.8	76.2	0.82	1.91	2.3	6.1	2.3	7.9
YS/MS-80M1-2	0.75	1	1.72	1.64	1.58	2880	80.7	80.7	79.1	0.82	2.49	2.3	7.0	2.3	8.8
YS/MS-80M2-2	1.1	1.5	2.43	2.31	2.23	2880	82.7	82.7	81.0	0.83	3.65	2.2	7.3	2.3	9
YS/MS-90S-2	1.5	2	3.22	3.06	2.95	2895	84.2	84.2	82.5	0.84	4.95	2.2	7.6	2.3	13.5
YS/MS-90L-2	2.2	3	4.58	4.35	4.19	2895	85.9	85.9	84.2	0.85	7.26	2.2	7.6	2.3	17
YS/MS-100L-2	3	4	6.02	5.71	5.51	2895	87.1	87.1	85.4	0.87	9.90	2.2	7.8	2.3	23.2
YS/MS-112M-2	4	5.5	7.84	7.45	7.18	2905	88.1	88.1	86.3	0.88	13.1	2.2	8.3	2.3	40
YS/MS-132S1-2	5.5	7.5	10.6	10.1	9.75	2930	89.2	89.2	87.4	0.88	17.9	2.0	8.3	2.3	42
YS/MS-132S2-2	7.5	10	14.4	13.7	13.2	2930	90.1	90.1	88.3	0.88	24.4	2.0	7.9	2.3	48
YS/MS-160M1-2	11	15	20.6	19.6	18.9	2945	91.2	91.2	89.4	0.89	35.7	2.0	8.1	2.3	83
YS/MS-160M2-2	15	20	27.9	26.5	25.5	2945	91.9	91.9	90.1	0.89	48.6	2.0	8.1	2.3	94
YS/MS-160L-2	18.5	25	34.2	32.5	31.3	2940	92.4	92.4	90.6	0.89	60.1	2.0	8.2	2.3	106.5
同步转速1500转/分 (4极) 380V 50Hz Synchronous Speed 1500r/min(4 poles)															
YS/MS-631-4	0.12	0.18	0.39	0.37	0.36	1320	64.8	64.8	63.5	0.72	0.87	2.1	4.4	2.2	4.8
YS/MS-632-4	0.18	0.25	0.54	0.51	0.49	1320	69.9	69.9	68.5	0.73	1.30	2.1	4.4	2.2	5.3
YS/MS-711-4	0.25	0.37	0.70	0.66	0.64	1340	73.5	73.5	72.0	0.74	1.78	2.1	5.2	2.2	6.8
YS/MS-712-4	0.37	0.5	0.97	0.92	0.89	1340	77.3	77.3	75.8	0.75	2.64	2.1	5.2	2.2	7.7
YS/MS-80M1-4	0.55	0.75	1.38	1.31	1.26	1400	80.8	80.8	79.2	0.75	3.75	2.4	5.2	2.3	9.1
YS/MS-80M2-4	0.75	1	1.84	1.75	1.69	1420	82.5	82.5	80.9	0.75	5.04	2.3	6.6	2.3	11.1
YS/MS-90S-4	1.1	1.5	2.61	2.48	2.39	1445	84.1	84.1	82.4	0.76	7.27	2.3	6.8	2.3	15
YS/MS-90L-4	1.5	2	3.47	3.3	3.18	1445	85.3	85.3	83.6	0.77	9.91	2.3	7.0	2.3	19
YS/MS-100L1-4	2.2	3	4.76	4.52	4.36	1450	86.7	86.7	85.0	0.81	14.6	2.3	7.6	2.3	25.4
YS/MS-100L2-4	3	4	6.34	6.02	5.8	1450	87.7	87.7	85.9	0.82	20.0	2.3	7.6	2.3	30.5
YS/MS-112M-4	4	5.5	8.37	7.95	7.66	1450	88.6	88.6	86.8	0.82	26.5	2.2	7.8	2.3	37
YS/MS-132S-4	5.5	7.5	11.2	10.7	10.3	1460	89.6	89.6	87.8	0.83	36.0	2.0	7.9	2.3	48.5
YS/MS-132M-4	7.5	10	15.0	14.3	13.7	1460	90.4	90.4	88.6	0.84	49.1	2.0	7.5	2.3	60
YS/MS-160M-4	11	15	21.5	20.4	19.7	1465	91.4	91.4	89.6	0.85	71.7	2.2	7.7	2.3	92.5
YS/MS-160L-4	15	20	28.8	27.3	26.3	1465	92.1	92.1	90.3	0.86	97.8	2.2	7.8	2.3	107

技术数据 Technical data:

型号 Model	额定功率 Rated Output		额定电流 Rated Current (A)			转速 Speed (r/min)	效率 Efficiency η %	效率 75% 负载 Efficiency at 75% load	效率 50% 负载 Efficiency at 50% load	功率因数 Power factor	额定转矩 Rated Torque Nm	堵转转矩 额定转矩 Tsta/Tn	堵转电流 额定电流 Ist/In	最大转矩 额定转矩 Tmax/Tn	重量 Weight (kg)
	kw	HP	380V	400V	415V										
同步转速1000转/分 (6极) 380V 50Hz Synchronous Speed 1000r/min(6poles)															
YS/MS-632-6	0.12	0.18	0.53	0.50	0.48	855	57.7	57.7	56.5	0.60	1.37	1.8	3.5	1.9	6.2
YS/MS-711-6	0.18	0.25	0.65	0.62	0.59	855	63.9	63.9	62.6	0.66	2.01	1.9	4.0	2.0	9.3
YS/MS-712-6	0.25	0.37	0.81	0.77	0.75	855	68.6	68.6	67.2	0.68	2.79	1.9	4.0	2.0	9.7
YS/MS-80M1-6	0.37	0.5	1.09	1.04	1.00	890	73.5	73.5	72.0	0.70	3.97	1.9	4.7	2.0	12.2
YS/MS-80M2-6	0.55	0.75	1.50	1.43	1.38	890	77.2	77.2	75.7	0.72	5.90	1.9	4.7	2.1	13.2
YS/MS-90S-6	0.75	1	2.03	1.93	1.86	935	78.9	78.9	77.3	0.71	7.66	2.0	6.0	2.1	14
YS/MS-90L-6	1.1	1.5	2.83	2.69	2.59	945	81.0	81.0	79.4	0.73	11.1	2.0	6.0	2.1	18
YS/MS-100L-6	1.5	2	3.78	3.59	3.47	949	82.5	82.5	80.9	0.73	15.1	2.0	6.5	2.1	29.5
YS/MS-112M-6	2.2	3	5.36	5.09	4.91	955	84.3	84.3	82.6	0.74	22.0	2.0	6.6	2.1	32
YS/MS-132S-6	3	4	7.20	6.84	6.59	968	85.6	85.6	83.9	0.74	29.6	2.0	6.8	2.1	43
YS/MS-132M1-6	4	5.5	9.46	8.99	8.66	968	86.8	86.8	85.1	0.74	39.5	2.0	6.8	2.1	49
YS/MS-132M2-6	5.5	7.5	12.7	12.0	11.6	968	88.0	88.0	86.2	0.75	54.3	2.0	7.0	2.1	59
YS/MS-160M-6	7.5	10	16.2	15.4	14.8	970	89.1	89.1	87.3	0.79	73.8	2.0	7.0	2.1	82
YS/MS-160L-6	11	15	23.1	22.0	21.2	970	90.3	90.3	88.5	0.80	108.3	2.0	7.2	2.1	118.5
同步转速750转/分 (8极) 380V 50Hz Synchronous Speed 750r/min(8poles)															
YS/MS-712-8	0.12	0.18	0.63	0.60	0.58	605	50.7	50.7	49.7	0.57	1.89	1.8	2.8	1.9	11
YS/MS-80M1-8	0.18	0.25	0.76	0.73	0.70	650	58.7	58.7	57.5	0.61	2.64	1.8	3.3	1.9	14.5
YS/MS-80M2-8	0.25	0.37	0.97	0.92	0.89	650	64.1	64.1	62.8	0.61	3.67	1.8	3.3	1.9	16.7
YS/MS-90S-8	0.37	0.5	1.33	1.26	1.22	675	69.3	69.3	67.9	0.61	5.23	1.8	4.0	1.9	28.2
YS/MS-90L-8	0.55	0.75	1.88	1.78	1.72	675	73.0	73.0	71.5	0.61	7.78	1.8	4.0	2.0	29.7
YS/MS-100L1-8	0.75	1	2.27	2.15	2.08	685	75.0	75.0	73.5	0.67	10.5	1.8	4.0	2.0	40
YS/MS-100L2-8	1.1	1.5	3.12	2.96	2.85	685	77.7	77.7	76.1	0.69	15.3	1.8	5.0	2.0	41.4
YS/MS-112M-8	1.5	2	4.08	3.88	3.74	695	79.7	79.7	78.1	0.70	20.6	1.8	5.0	2.0	57.5
YS/MS-132S-8	2.2	3	5.75	5.46	5.26	710	81.9	81.9	80.3	0.71	29.6	1.8	6.0	2.0	74.8
YS/MS-132M-8	3	4	7.48	7.10	6.85	710	83.5	83.5	81.8	0.73	40.4	1.8	6.0	2.0	89.1
YS/MS-160M1-8	4	5.5	9.82	9.33	8.99	725	84.8	84.8	83.1	0.73	52.7	1.9	6.0	2.0	101
YS/MS-160M2-8	5.5	7.5	13.1	12.4	12.0	725	86.2	86.2	84.5	0.74	72.4	1.9	6.0	2.0	126.5
YS/MS-160L-8	7.5	10	17.4	16.5	15.9	725	87.3	87.3	85.6	0.75	98.8	1.9	6.0	2.0	136

ALUMINUM ELECTROMAGNETIC BRAKE THREE-PHASE ASYNCHRONOUS MOTOR



产品概述

PRODUCT OVERVIEW

YEJ 系列铝壳电磁制动三相异步电动机是一种全封闭自扇冷式鼠笼型三相异步电机。该系列电机按照 IEC 标准设计，具有启动转矩大、结构紧凑、制动紧凑、制动迅速、运行可靠、高效节能、噪音低等优点。此外，电机设计有手动释放结构，即可以电磁制动，又可以手动操作，方便用户调试和使用。

YEJ 系列电磁制动电机适用于要求快速停止、准确定位、反复运转、频繁启动、防止滑行的各类机械设备中作为动力，如升降机、减速机、运输机械、包装机械、食品机械、印刷机械等。

原理与结构：YEJ 系列电磁制动电动机的直流圆盘制动器安装在电机非轴伸端上，当电机接入电源，制动器即开始工作，在电磁引力作用下，电磁铁吸力作用下，电磁铁吸引衔铁并压缩弹簧，制动盘与衔铁、盖端脱开，电机开始运转；当切断电源时，制动器电磁铁失去引力，弹簧推动衔铁压紧制动盘，在摩擦力的作用下，电机立即停止工作。制动器分为通电制动器和失点制动器两种，两种制动器工作原理相同，而制动过程相反。

YEJ series aluminum electromagnetic braking three-phase asynchronous motor is a fully enclosed self-fan-cooled squirrel-cage three-phase asynchronous motor. This series is designed according to IEC standard, and has advantages of large starting torque, compact structure, compact braking, rapid braking, reliable operation, high efficiency, energy saving, and low noise. In addition, this motor is designed with manual release structure. It can be electromagnetic braking and manually operated, which is convenient for customers to debug and use.

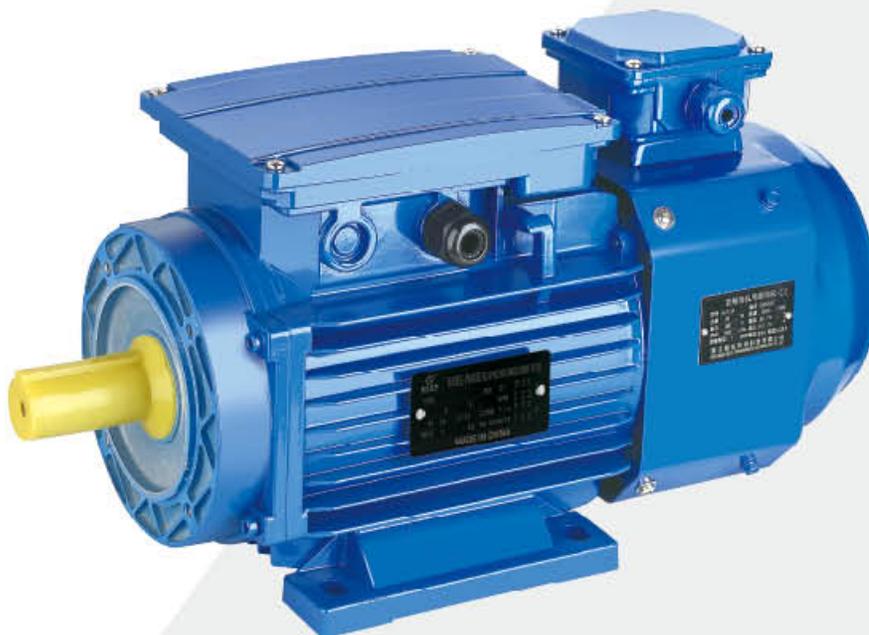
YEJ series electromagnetic brake motors are suitable for usage as power for different mechanical equipment that require quick stop, accurate positioning, repeated operation, frequently start, and anti-sliding, such as elevators, reducer, transportation machinery, packaging machinery, foodstuff machinery, printing machinery and etc.

Principle and structure: The DC disc brake of YEJ series electromagnetic brake motor is installed on non-shaft extension end of the motor. When the motor is connected to power supply, the brake starts to work. Under the action of electromagnetic gravity and electromagnet suction, the electromagnet attracts the armature and then compacts the spring. The brake disc is detached from the armature and cover, the motor starts to run. When the power is off, the brake electromagnet loses its gravity, the spring pushes the armature to press the brake disc, then the motor stops working immediately under the action of friction. There are power-on brake and power-off brake, both work on the same principle, but braking process is opposite.

技术数据 TECHNICAL DATA:

额定电压: 380V 频率: 50Hz Rated voltage: 380V Frequency: 50Hz

型号 Model	额定功率 Rated output	额定转速 Rated speed	电 流 IN(A)	效率 EFF	功率 因素 Power factor cosΦ	静制 动力矩 (Nm)	空载制 动时间 (S)	励磁 功率 (W)	堵转电流 额定电流 Locked current Rated torque IST/TFL	堵转转矩 额定转矩 Locked torque Rated torque TST/TFL	最大转矩 额定转矩 Max torque Rated torque TM/TFL	重量 (Kg)
YEJ	(kW)	(r/min)		%								Weight (Kg)
同步转速3000转/分 (2极) 380V 50Hz Synchronous Speed 3000r/min(2 poles)												
YEJ-631-2	0.18	2720	0.53	65	0.80	4	0.20	18	5.5	2.2	2.2	4.8
YEJ-632-2	0.25	2720	0.69	68	0.81	4	0.20	18	5.5	2.2	2.2	5.1
YEJ-711-2	0.37	2740	0.99	70	0.81	4	0.20	18	6.1	2.2	2.2	6.0
YEJ-712-2	0.55	2740	1.40	73	0.82	4	0.20	18	6.1	2.2	2.3	6.5
YEJ-801-2	0.75	2845	1.83	75	0.83	7.5	0.20	30	6.1	2.2	2.3	8.7
YEJ-802-2	1.1	2840	2.58	77	0.84	7.5	0.20	30	7.0	2.2	2.3	9.5
YEJ-90S-2	1.5	2840	3.43	79	0.84	15	0.20	50	7.0	2.2	2.3	11.8
YEJ-90L-2	2.2	2840	4.85	81	0.85	15	0.20	50	7.0	2.2	2.3	13.5
YEJ-100L-2	3.0	2860	6.31	83	0.87	30	0.20	65	7.5	2.2	2.3	21.0
YEJ-112M-2	4.0	2880	8.10	85	0.88	40	0.25	90	7.5	2.2	2.3	28.0
YEJ-132S1-2	5.5	2900	11.0	86	0.88	75	0.25	90	7.5	2.2	2.3	39.0
YEJ-132S2-2	7.5	2900	14.9	87	0.88	75	0.25	90	7.5	2.2	2.3	44.5
YEJ-160M1-2	11	2030	21.3	88	0.89	150	0.35	150	7.5	2.2	2.3	46.5
YEJ-160M2-2	15	2930	28.8	89	0.89	150	0.35	150	7.5	2.2	2.3	69.2
YEJ-160L-2	18.5	2930	34.7	90	0.90	150	0.35	150	7.5	2.2	2.3	88.5
同步转速1500转/分 (4极) 380V 50Hz Synchronous Speed 1500r/min(4 poles)												
YEJ-631-4	0.12	1310	0.44	57	0.72	4	0.20	18	4.4	2.1	2.2	4.8
YEJ-632-4	0.18	1310	0.62	60	0.73	4	0.20	18	4.4	2.1	2.2	5.1
YEJ-711-4	0.25	1330	0.79	65	0.74	4	0.20	18	5.2	2.1	2.2	6.0
YEJ-712-4	0.37	1330	1.12	67	0.75	4	0.20	18	5.2	2.1	2.2	6.3
YEJ-801-4	0.55	1390	1.57	71	0.75	7.5	0.20	30	5.2	2.4	2.3	9.4
YEJ-802-4	0.75	1380	2.03	73	0.76	7.5	0.20	30	6.0	2.3	2.3	10.8
YEJ-90S-4	1.1	1390	0.89	75	0.77	15	0.20	50	6.0	2.3	2.3	12.0
YEJ-90L-4	1.5	1390	3.70	78	0.79	15	0.20	50	6.0	2.3	2.3	13.8
YEJ-100L1-4	2.2	1410	5.16	80	0.81	30	0.20	65	7.0	2.3	2.3	21
YEJ-100L2-4	3.0	1410	6.78	82	0.82	30	0.20	65	7.0	2.3	2.3	23.5
YEJ-112M-4	4.0	1435	8.80	84	0.82	40	0.25	90	7.0	2.3	2.3	29.5
YEJ-132S-4	5.5	1440	11.7	85	0.83	75	0.25	90	7.0	2.3	2.3	41.0
YEJ-132M-4	7.5	1440	15.6	87	0.84	75	0.25	90	7.0	2.3	2.3	47.5
YEJ-160M-4	11	1460	22.3	88	0.84	150	0.35	150	7.0	2.2	2.3	72.5
YEJ-160L-4	15	1460	30.1	89	0.85	150	0.35	150	7.5	2.2	2.3	85.6
同步转速1000转/分 (6极) 380V 50Hz Synchronous Speed 1000r/min(6poles)												
YEJ-711-6	0.18	850	0.74	56	0.66	4	0.20	18	4.0	1.9	2.0	6.0
YEJ-712-6	0.25	850	0.95	59	0.68	4	0.20	18	4.0	1.9	2.0	6.3
YEJ-801-6	0.37	885	1.30	62	0.70	7.5	0.20	30	4.7	1.9	2.0	8.9
YEJ-802-6	0.55	885	1.79	65	0.72	7.5	0.20	30	4.7	1.9	2.1	10.4
YEJ-90S-6	0.75	910	2.29	69	0.72	15	0.20	50	5.5	2.0	2.1	12.1
YEJ-90L-6	1.1	910	3.18	72	0.73	15	0.20	50	5.5	2.0	2.1	13.7
YEJ-100L-6	1.5	920	3.94	76	0.75	30	0.20	65	5.5	2.0	2.1	23.0
YEJ-112M-6	2.2	935	5.60	79	0.76	40	0.25	90	6.5	2.0	2.1	28.2
YEJ-132S-6	3.0	960	7.40	81	0.76	75	0.25	90	6.5	2.1	2.1	40.3
YEJ-132M1-6	4.0	960	9.80	82	0.76	75	0.25	90	6.5	2.1	2.1	43.0
YEJ-132M2-6	5.5	960	12.9	84	0.77	75	0.25	90	6.5	2.1	2.1	47.2
YEJ-160M-6	7.5	970	17.0	86	0.77	150	0.35	150	6.5	2.0	2.1	70.6
YEJ-160L-6	11	970	24.2	87.5	0.78	150	0.35	150	6.5	2.0	2.1	85.0
同步转速750转/分 (8极) 380V 50Hz Synchronous Speed 750r/min(8poles)												
YEJ-801-8	0.18	645	0.88	51	0.61	7.5	0.20	30	3.3	1.8	1.9	13
YEJ-802-8	0.25	645	1.15	54	0.61	7.5	0.20	30	3.3	1.8	1.9	16
YEJ-90S-8	0.37	670	1.49	62	0.61	15	0.20	50	4.0	1.8	1.9	18
YEJ-90L-8	0.55	680	2.18	63	0.61	15	0.20	50	4.0	1.8	2.0	20
YEJ-100L1-8	0.75	680	2.17	71	0.667	30	0.20	65	4.0	1.8	2.0	29
YEJ-100L2-8	1.1	680	2.39	73	0.69	30	0.20	65	5.0	1.8	2.0	30
YEJ-112M-8	1.5	690	4.50	75	0.69	40	0.25	90	5.0	1.8	2.0	39
YEJ-132S-8	2.2	705	6.00	78	0.71	75	0.25	90	6.0	1.8	2.0	88
YEJ-132M-8	3.0	705	7.90	79	0.73	75	0.25	90	6.0	1.8	2.0	93
YEJ-160M1-8	4.0	720	10.3	81	0.73	150	0.35	150	6.0	1.9	25.0	95
YEJ-160M2-8	5.5	720	13.6	83	0.74	150	0.35	150	6.0	2.0	2.0	105
YEJ-160L-8	7.5	720	17.8	85.5	0.75	150	0.35	150	6.0	2.0	2.0	110

ALUMINUM VARIABLE FREQUENCY SPEED REGULATING THREE-PHASE ASYNCHRONOUS MOTOR

产品概述
PRODUCT OVERVIEW

YVP 系列铝壳变频调速三相异步电动机调速范围广。它与变频调速装置配套使用，构成交流变频无极调速系统。在 5-50Hz 范围内作恒转矩变频调速运行，在 50-100Hz 范围内作恒功率变频调速运行，运行平稳，无转矩脉动现象，起动转矩大，起动电流小。电动机的安装形式及安装尺寸均与同容量的 Y 系列三相异步电动机一致。装有独立的冷却风扇装置，电机运行在不同转速下均有较好的冷却效果。

YVP series is variable frequency speed regulating three-phase asynchronous motor with wide speed regulating range. It is used with frequency conversion speed regulating device to form AC frequency conversion stepless speed regulating system. Constant torque variable frequency speed regulation operation within range of 5-50Hz, and constant power variable frequency speed regulation operation within range of 50-100Hz. Its features are: stable operation, no torque ripple phenomenon, large starting torque, small starting current. The installation form and installation size are consistent with the Y-series three-phase asynchronous motor at same capacity. Equipped with an independent cooling fan device, this motor has good cooling effect at different speeds.

使用条件

机座中心高：80-355mm
 功率范围：0.55-315kW
 额定电压：380V（其他电压可选）
 额定频率：50Hz（或 60Hz）
 防护等级：IP54（或 IP55）
 绝缘等级：F 级
 工作制：S1

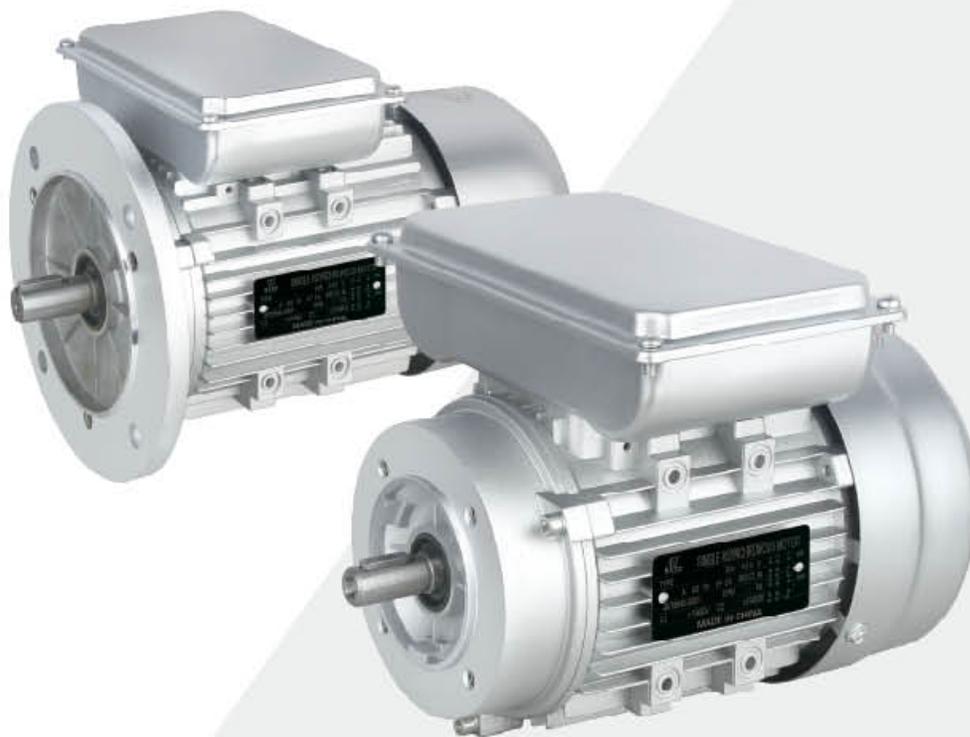
OPERATING CONDITIONS

Centre height of frame: 80-355mm
 Power range: 0.55-315kW
 Rated voltage: 380V (other options available)
 Rated frequency: 50Hz or 60Hz
 Protection class: IP54 or IP55
 Insulation class: F
 Duty type: S1

技术数据 TECHNICAL DATA:

型号 Model	额定功率 Rated output	额定 电流 Rated current	额定 转速 Rated speed	效率 EFF	功率 因素 Power factor	额定 转矩 Rated torque	噪音 Noise level	恒转矩调频范围 Constant torque Frequency Range Hz	恒功率调频范围 Constant output Frequency Range Hz
YVP	(kW)	(r/min)	(r/min)	%	cos Φ	(N.m)	LW dB (A)		
YVP-80M1-2	0.75	1.83	2845	75.0	0.83	2.52	73		
YVP-80M2-2	1.1	2.61	2845	76.2	0.84	3.69	73		
YVP-90S-2	1.5	3.46	2840	78.5	0.84	5.04	76		
YVP-90L-2	2.2	4.85	2840	81.0	0.85	7.40	76		
YVP-100L-2	3	6.34	2860	82.6	0.87	10.1	79		
YVP-112M-2	4	8.20	2880	81.2	0.88	13.3	80		
YVP-132S1-2	5.5	11.1	2900	85.7	0.88	18.1	86		
YVP-132S2-2	7.5	14.9	2900	87.0	0.88	24.7	86		
YVP-80M1-4	0.55	1.57	1390	71.0	0.75	3.78	73		
YVP-80M2-4	0.75	2.05	1390	73.0	0.76	5.15	73		
YVP-90S-4	1.1	2.85	1390	76.2	0.77	7.56	76		
YVP-90L-4	1.5	3.68	1390	78.5	0.79	10.3	76		
YVP-100L1-4	2.2	5.09	1410	81.0	0.81	14.9	79		
YVP-100L2-4	3	6.73	1410	82.6	0.82	20.3	79		
YVP-112M-4	4	8.80	1440	84.2	0.82	26.5	80		
YVP-132S-4	5.5	11.7	1440	85.7	0.83	36.5	86		
YVP-132M-4	7.5	15.6	1440	87.0	0.84	49.7	86		
YVP-80M1-6	0.37	1.30	885	62.0	0.70	3.99	73	5-50	5-100
YVP-80M2-6	0.55	1.79	885	65.0	0.72	5.94	73		
YVP-90S-6	0.75	2.29	910	69.0	0.72	7.87	76		
YVP-90L-6	1.1	3.18	910	72.0	0.73	11.5	76		
YVP-100L-6	1.5	4.00	920	76.0	0.75	15.6	79		
YVP-112M-6	2.2	5.57	935	79.0	0.76	22.5	80		
YVP-132S-6	3	7.40	960	81.0	0.76	29.8	86		
YVP-132M1-6	4	9.75	960	82.0	0.76	39.8	86		
YVP-132M2-6	5.5	12.9	965	84.0	0.77	54.4	86		
YVP-80M1-8	0.18	0.88	645	51.0	0.61	2.67	73		
YVP-80M2-8	0.25	1.15	645	54.0	0.61	3.70	73		
YVP-90S-8	0.37	1.49	670	62.0	0.61	5.27	76		
YVP-90L-8	0.55	2.17	670	63.0	0.61	7.84	76		
YVP-100L1-8	0.75	2.40	680	71.0	0.67	10.5	79		
YVP-100L2-8	1.1	3.32	680	73.0	0.69	15.4	79		
YVP-112M-8	1.5	4.40	690	75.0	0.69	20.8	80		
YVP-132S-8	2.2	6.04	705	78.0	0.71	29.8	86		
YVP-132M-8	3	7.90	705	79.0	0.73	40.6	86		

TWO-VALUE CAPACITOR SINGLE-PHASE ASYNCHRONOUS MOTOR



产品概述

PRODUCT OVERVIEW

YL 系列双值电容异步电动机系电容启动运行的单相异步电动机，主要特征：体积小、容量大、启动力矩大、及效率高、运行安全可靠、结构简单、容易维护。该电动机拥有 6 个机座，其容量相当于三相异步电动机。

该系列电动机全部采用封闭、外扇冷式结构，适用于满负荷启动的机械设备。

YL series double-value capacitor asynchronous motor is single-phase asynchronous motor with capacitor starting. The main features are: small size, large capacity, large starting torque, high efficiency, safe and reliable operation, simple structure and easy maintenance. This motor has six frames and its capacity is equivalent to three-phase asynchronous motor. This series are all closed, fan-cooled structure, suitable for full load starting mechanical equipment.

使用条件

环境温度：-15℃ < 0 < 40℃

海拔：不超过 1000m

额定电压：220V/110V

额定频率：50Hz、60Hz

防护等级：IP44、IP54

绝缘等级：B、F 级

工作制：S1（连续工作制）

冷却方式：ICO141

OPERATING CONDITIONS

Ambient temperature：-15℃ < 0 < 40℃

Altitude：not exceeding 1000m

Rated voltage：220V/110V

Rated frequency：50Hz、60Hz

Protection class：IP44、IP54

Insulation class：B、F 级

Duty：S1（continuous）

Cooling method：ICO141

技术数据 TECHNICAL DATA:

额定电压: 220V 频率: 50Hz Rated voltage: 220V Frequency: 50Hz

型号 Model	额定功率 Rated Output		额定电压 Voltage A	额定电流 Current A	转速 Speed r/min	效率 Eff. η %	功率 因素 P.F	堵转转矩 额定转矩 Locked torque Rated torque TST/TFL	堵转电流 额定电流 Locked current Rated torque IST/TFL	最大转矩 额定转矩 Max torque Rated torque TM/TFL
	HP	KW								
YL-7112	0.5	0.37	220	2.73	2800	67	0.92	1.8	6.0	1.8
YL-7122	0.75	0.55	220	3.88	2800	70	0.92	1.8	6.0	1.8
YL-7114	0.33	0.25	220	1.99	1400	62	0.92	1.8	6.0	1.8
YL-7124	0.5	0.37	220	2.81	1400	65	0.92	1.8	6.0	1.8
YL-8012	1	0.75	220	5.15	2810	72	0.92	1.8	6.0	1.8
YL-8022	1.5	1.1	220	7.02	2810	75	0.95	1.8	6.0	1.8
YL-8014	0.75	0.55	220	4.0	1410	68	0.92	1.8	6.0	1.8
YL-8024	1	0.75	220	5.22	1410	71	0.92	1.8	6.0	1.8
YL-90S-2	2	1.5	220	9.44	2820	76	0.95	1.8	6.0	1.8
YL-90L-2	3	2.2	220	13.7	2820	77	0.95	1.8	6.0	1.8
YL-90S-4	1.5	1.1	220	7.21	1430	73	0.95	1.8	6.0	1.8
YL-90L-4	2	1.5	220	9.57	1430	75	0.95	1.8	6.0	1.8
YL-100L-2	4	3	220	18.4	2850	78	0.95	1.8	6.0	1.8
YL-100L1-4	3	2.2	220	13.9	1440	76	0.95	1.8	6.0	1.8
YL-100L2-4	4	3	220	18.6	1440	77	0.95	1.8	6.0	1.8
YL-112M-2	5	3.7	220	22.2	2850	80	0.95	1.8	6.0	1.8
YL-112M-4	3	2.2	220	13.9	1450	76	0.95	1.8	6.0	1.8
YL-112M1-4	4	3	220	18.6	1450	77	0.95	1.8	6.0	1.8
YL-112M2-4	5	3.7	220	23	1450	78	0.95	1.8	6.0	1.8
YL-132S1-4	4	3	220	18.6	1460	77	0.95	1.8	6.0	1.8
YL-132S2-4	5	3.7	220	23	1460	78	0.95	1.8	6.0	1.8
YL-132M-4	7.5	5.5	220	32.49	1460	81	0.95	1.8	6.0	1.8

YE3/YVF2/YEJ2/YVPEJ/GLF SERIES

Applications: for no special requirements mechanical equipment, such as agriculture machinery, foodstuff machinery, blower, water pump, machine, mixer, air compressor etc.

应用于：一般无特殊要求的机械设备、如农业机械、食品机械、风机、水泵、机床、搅机、空气压缩机等





产品概述

PRODUCT OVERVIEW

YE3 系列铁壳高效率三相异步电动机依据 GB/T28575-2012 最新开发的全封闭自扇风冷式鼠笼型超高效三相异步电动机，该系列电动机的效率指标达到中国 GB18613-2020《中小型三相异步电动机能效限定值及能效等级》中的 3 级能效等级，符合 IEC60034-30 中的能效等级中的 IE3，和目前国际最先进的美国 NEMA 超高效电机处于一流水平。

相对 YE2 系列，YE3 系列高效电动机更加节能，低碳和环保。安装尺寸、功率等级和普通电机完全相同，符合国际电工委员会 IEC60072-1 标准，可直接替换从而达到节能、节电的目的，便于市场推广。中心高 H160 及以上电机可配装不停机注排油装置，并预留有安装热敏电阻和防潮加热带的空间，方便用户选用。

该系列电动机功率范围：0.75KW-315KW；机座中心高：H80-H355。

YE3 series are newly developed and fully enclosed self-fan-air-cooled squirrel-cage three-phase asynchronous motors based on GB/T28575-2012 with ultra efficiency. It can reaches IE3, which meets the energy efficiency level of IEC60034-30.

Compared with YE2, YE3 is more energy saving, low carbon and environmental protection. Installation size, power level are completely same as ordinary motor. it is conformity with the International Electrotechnical Commission IEC60072-1 standard. And can replace directly to make it energy conservation and power saving, also easy for market promotion. The central height H160 and above motor can be equipped with non-stop oil injection and drainage device, and reserve space for installing thermistor and moisture-proof heating belt, which is more convenient for users to choose.

Motor power range: 0.75KW-315KW; Frame center height: H80-H355.

技术数据 Technical data:

型号 Model	额定功率 Rated output		额定电流			额定 转速 Rated speed (r/min)	额定电流			额定 转速 Rated speed (r/min)	效率 EFF %	功率 因素 Power factor cosΦ	额定 转矩 Rated torque N.m	堵转转矩	堵转电流	最大转矩	噪声 Noise level LW dB(A)	重量 Weight (Kg)
	(kW)	HP	Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 480V A	Rated current IFL 480V A					堵转转矩 Locked torque TST/TFL	堵转电流 Locked current IST/TFL	最大转矩 Max torque Rated torque TM/TFL		
			380~420V/50Hz			440~480V/60Hz												
同步转速3000转/分 (2极) 380V 50Hz Synchronous Speed 3000r/min(2 poles)																		
YE3-80M1-2	0.75	1.0	1.8	1.71	1.63	2855	1.55	1.49	1.43	3425	77.4	0.82	2.51	2.2	7.0	2.3	62	16
YE3-80M2-2	1.1	1.5	2.5	2.38	2.26	2870	2.16	1.98	1.98	3440	79.6	0.83	3.66	2.2	7.3	2.3	62	17
YE3-90S-2	1.5	2.0	3.3	3.14	2.99	2865	2.85	2.61	2.63	3435	81.3	0.84	5	2.2	7.6	2.3	67	20
YE3-90L-2	2.2	3.0	4.7	4.47	4.25	2870	4.06	3.72	3.72	3440	83.2	0.85	7.32	2.2	7.6	2.3	67	23
YE3-100L-2	3	4.0	6.2	5.89	5.61	2875	5.35	4.91	4.91	3450	84.6	0.87	10	2.2	7.8	2.3	74	34
YE3-112M-2	4	5.5	8.0	7.60	7.24	2910	6.91	6.33	6.33	3490	85.8	0.88	13.1	2.2	8.3	2.3	77	42
YE3-132S1-2	5.5	7.5	10.9	10.4	9.86	2935	9.41	8.63	8.63	3520	87.0	0.88	17.9	2.0	8.3	2.3	79	62
YE3-132S2-2	7.5	10	14.5	13.8	13.1	2930	12.5	11.5	11.5	3515	88.1	0.89	24.4	2.0	7.9	2.3	79	70
YE3-160M1-2	11	15	21	20.0	19.0	2950	18.1	16.6	16.6	3540	89.4	0.89	35.6	2.0	8.1	2.3	81	112
YE3-160M2-2	15	20	28.4	27.0	25.7	2945	24.5	22.5	22.5	3530	90.3	0.89	48.6	2.0	8.1	2.3	81	120
YE3-160L2-2	18.5	25	34.7	33.0	31.4	2945	30.0	27.5	27.5	3530	90.9	0.89	60	2.0	8.2	2.3	81	138
YE3-180M-2	22	30	41.1	39.1	37.2	2950	35.5	32.5	32.5	3540	91.3	0.89	71.2	2.0	8.2	2.3	83	180
YE3-200L1-2	30	40	55.7	52.9	50.4	2960	48.1	44.1	44.1	3550	92.0	0.89	96.8	2.0	7.6	2.3	84	240
YE3-200L2-2	37	50	68.3	64.9	61.8	2960	59.0	54.1	54.1	3550	92.5	0.89	119	2.0	7.6	2.3	84	260
YE3-225M-2	45	60	82.7	78.6	74.8	2965	71.4	65.5	65.5	3555	92.9	0.89	145	2.0	7.7	2.3	86	305
YE3-250M-2	55	75	101	96.0	91.4	2970	87.2	80.0	80.0	3560	93.2	0.89	177	2.0	7.1	2.3	89	386
YE3-280S-2	75	100	137	130.2	124.0	2975	118.3	108.5	105.5	3570	93.8	0.89	241	1.8	7.1	2.3	91	515
YE3-280M-2	90	120	163	154.9	147.5	2970	140.8	129.0	129.0	3560	94.1	0.89	289	1.8	7.1	2.3	91	560
YE3-315S-2	110	150	197	187.2	178.2	2975	170.1	156.0	156.0	3570	94.3	0.90	353	1.8	7.1	2.3	92	920
YE3-315M-2	132	180	236	224.2	213.5	2975	203.8	186.8	186.8	3570	94.6	0.90	424	1.8	7.1	2.3	92	1035
YE3-315L1-2	160	220	282	267.9	255.1	2975	243.6	223.3	223.3	3570	94.8	0.91	514	1.8	7.2	2.3	92	1115
YE3-315L2-2	200	270	352	334.4	318.5	2975	304.0	278.7	278.7	3570	95.0	0.91	642	1.8	7.2	2.2	92	1165
YE3-355M-2	250	340	439	417.1	397.2	2980	379.1	347.5	347.5	3575	95.0	0.91	801	1.6	7.2	2.2	100	1616
YE3-355L-2	315	430	554	526.3	501.2	2980	478.5	438.6	438.6	3575	95.0	0.91	1009	1.6	7.2	2.2	100	1806

技术数据 Technical data:

型号 Model	额定功率 Rated output		额定电流			额定 转速 Rated speed (r/min)	额定电流			额定 转速 Rated speed (r/min)	效率 EFF %	功率 因素 Power factor cosΦ	额定 转矩 Rated torque N.m	堵转转矩 额定转矩 Locked torque Rated torque TST/TFL	堵转电流 额定电流 Locked current Rated torque IST/TFL	最大转矩 额定转矩 Max torque Rated torque TM/TFL	噪声 Noise level LW dB(A)	重量 Weight (Kg)
	(kW)	HP	Rated current IFL 390V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A									
			380-420V/50Hz			440-480V/60Hz												
同步转速1500转/分 (4极) 380V 50Hz Synchronous Speed 1500r/min(4 poles)																		
YE3-80M2-4	0.75	1.0	1.9	1.81	1.72	1425	1.64	1.57	1.50	1710	79.6	0.76	5.03	2.3	6.6	2.3	56	18
YE3-90S-4	1.1	1.5	2.7	2.57	2.44	1420	2.33	2.23	2.14	1700	81.4	0.77	7.4	2.3	6.8	2.3	59	21
YE3-90L-4	1.5	2.0	3.5	3.33	3.17	1420	3.02	2.89	2.77	1700	82.8	0.78	10.1	2.3	7.0	2.3	59	24
YE3-100L1-4	2.2	3.0	5	4.75	4.52	1430	4.32	4.13	3.96	1715	84.3	0.80	14.7	2.3	7.6	2.3	64	34
YE3-100L2-4	3	4.0	6.6	6.27	5.97	1430	5.70	5.45	5.23	1715	85.5	0.81	20	2.3	7.6	2.3	64	38
YE3-112M-4	4	5.5	8.7	8.27	7.87	1450	7.51	7.19	6.89	1740	86.6	0.81	26.3	2.0	7.8	2.3	65	45
YE3-132S-4	5.5	7.5	11.6	11.0	10.5	1465	10.0	9.58	9.18	1755	87.7	0.82	35.9	2.0	7.9	2.3	71	64
YE3-132M-4	7.5	10	15.5	14.7	14.0	1465	13.4	12.8	12.3	1755	88.7	0.83	48.9	2.0	7.5	2.3	71	78
YE3-160M-4	11	15	22.4	21.3	20.3	1470	19.4	18.5	17.7	1760	89.8	0.83	71.5	2.0	7.7	2.3	73	120
YE3-160L-4	15	20	29.9	28.4	27.1	1470	25.8	24.7	23.7	1760	90.6	0.84	97.4	2.0	7.8	2.3	73	138
YE3-180M-4	18.5	25	36.3	34.5	32.8	1470	31.4	30.0	28.7	1760	91.2	0.85	120	2.0	7.8	2.3	76	174
YE3-180L-4	22	30	42.9	40.8	38.8	1465	37.1	35.4	34.0	1755	91.6	0.85	143	2.0	7.8	2.3	76	188
YE3-200L-4	30	40	58.1	55.2	52.6	1475	50.2	48.0	46.0	1770	92.3	0.85	194	2.0	7.3	2.3	76	256
YE3-225S-4	37	50	70.5	67.0	63.8	1480	60.9	58.2	55.8	1775	92.7	0.86	239	2.0	7.4	2.3	78	300
YE3-225M-4	45	60	85.4	81.1	77.3	1480	73.8	70.6	67.6	1775	93.1	0.86	290	2.0	7.4	2.3	78	325
YE3-250M-4	55	75	104	98.8	94.1	1485	89.8	85.9	82.3	1780	93.5	0.86	354	2.0	7.4	2.3	79	400
YE3-280S-4	75	100	139	132.1	125.8	1490	120.1	114.8	110.0	1785	94.0	0.87	481	2.0	6.9	2.3	80	543
YE3-280M-4	90	120	165	156.8	149.3	1485	142.5	136.3	130.6	1780	94.2	0.88	579	2.0	6.9	2.3	80	608
YE3-315S-4	110	150	199	189.1	180.1	1485	171.9	164.4	157.5	1780	94.5	0.89	707	2.0	7.0	2.2	88	970
YE3-315M-4	132	180	238	226.1	215.3	1485	205.6	196.6	188.4	1780	94.7	0.89	849	2.0	7.0	2.2	88	1090
YE3-315L1-4	160	220	285	270.8	257.9	1485	246.1	235.4	225.6	1780	94.9	0.90	1029	2.0	7.1	2.2	88	1160
YE3-315L2-4	200	270	355	337.3	321.2	1485	306.6	293.3	281.0	1780	95.1	0.90	1286	2.0	7.1	2.2	88	1230
YE3-355M-4	250	340	444	421.3	401.7	1490	383.5	366.8	351.5	1785	95.1	0.90	1602	2.0	7.1	2.2	95	1640
YE3-355L-4	315	430	559	531.1	505.8	1490	482.8	461.8	442.5	1785	95.1	0.90	2019	2.0	7.1	2.2	95	1810

技术数据 Technical data:

型号 Model	额定功率 Rated output		额定电流			额定 转速 Rated speed (r/min)	额定电流			额定 转速 Rated speed (r/min)	效率 EFF %	功率 因素 Power factor cos Φ	额定 转矩 Rated torque N.m	堵转转矩 额定转矩 Locked torque Rated torque TST/TFL	堵转电流 额定电流 Locked current Rated torque IST/TFL	最大转矩 额定转矩 Max torque Rated torque TM/TFL	噪声 Noise level LW dB(A)	重量 Weight (Kg)
	(kW)	HP	Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A									
			380-420V/50Hz			440-480V/60Hz												
同步转速1000转/分 (6极) 380V 50Hz Synchronous Speed 1000r/min(6poles)																		
YE3-90S-6	0.75	1.0	2.1	2.00	1.90	935	1.81	1.73	1.66	1120	75.9	0.71	7.66	2.0	6.0	2.1	57	21
YE3-90L-6	1.1	1.5	3	2.85	2.71	935	2.59	2.48	2.38	1120	78.1	0.72	11.2	2.0	6.0	2.1	57	24
YE3-100L-6	1.5	2.0	4	3.80	3.62	945	3.45	3.30	3.17	1130	79.8	0.72	15.2	2.0	6.5	2.1	61	33
YE3-112M-6	2.2	3.0	5.7	5.42	5.16	965	4.92	4.71	4.51	1155	81.8	0.72	21.8	2.0	6.6	2.1	65	42
YE3-132S-6	3	4.0	7.6	7.22	6.88	975	6.56	6.28	6.02	1170	83.3	0.72	29.4	1.9	6.8	2.1	69	59
YE3-132M1-6	4	5.5	9.7	9.22	8.78	975	8.38	8.01	7.68	1170	84.6	0.74	39.2	1.9	6.8	2.1	69	72
YE3-132M2-6	5.5	7.5	13	12.4	11.8	975	11.2	10.7	10.3	1170	86.0	0.75	53.9	1.9	7.0	2.1	69	78
YE3-160M-6	7.5	10	16.8	16.0	15.2	975	14.5	13.9	13.3	1170	87.2	0.78	73.5	2.0	7.0	2.1	70	112
YE3-160L-6	11	15	23.9	22.7	21.6	975	20.6	19.7	18.9	1170	88.7	0.79	108	2.0	7.2	2.1	70	134
YE3-180L-6	15	20	31.8	30.2	28.8	980	27.5	26.3	25.2	1175	89.7	0.80	146	1.9	7.3	2.1	73	178
YE3-200L1-6	18.5	25	38.9	37.0	35.2	980	33.6	32.1	30.8	1175	90.4	0.80	180	1.9	7.3	2.1	73	226
YE3-200L2-6	22	30	45.4	43.1	41.1	980	39.2	37.5	35.9	1175	90.9	0.81	214	1.9	7.4	2.1	73	243
YE3-225M-6	30	40	60.6	57.6	54.8	985	52.3	50.1	48.0	1180	91.7	0.82	291	1.9	6.9	2.1	74	295
YE3-250M-6	37	50	73.5	69.8	66.5	985	63.5	60.7	58.2	1180	92.2	0.83	359	1.9	7.1	2.1	76	368
YE3-280S-6	45	60	86.8	82.5	78.5	990	75.0	71.7	68.7	1185	92.7	0.85	434	1.9	7.3	2.0	78	496
YE3-280M-6	55	75	104	98.8	94.1	990	89.8	85.9	82.3	1185	93.1	0.86	531	1.9	7.3	2.0	78	545
YE3-315S-6	75	100	145	137.8	131.2	990	125.2	119.8	114.8	1185	93.7	0.84	723	1.9	6.6	2.0	83	910
YE3-315M-6	90	120	171	162.5	154.7	990	147.7	141.3	135.4	1185	94.0	0.85	868	1.9	6.7	2.0	83	1030
YE3-315L1-6	110	150	209	198.6	189.1	990	180.5	172.7	165.5	1185	94.3	0.85	1061	1.9	6.7	2.0	83	1120
YE3-315L2-6	132	180	247	234.7	223.5	990	213.3	204.0	195.5	1185	94.6	0.86	1273	1.9	6.8	2.0	83	1185
YE3-355M1-6	160	220	298	283.1	269.6	990	257.4	246.2	235.9	1185	94.8	0.86	1543	1.9	6.8	2.0	85	1530
YE3-355M2-6	200	270	372	353.4	336.6	990	321.3	307.3	294.5	1185	95.0	0.86	1929	1.9	6.8	2.0	85	1690
YE3-355L-6	250	340	465	441.8	420.7	990	401.6	384.1	368.1	1185	95.0	0.86	2412	1.9	6.8	2.0	85	1855

技术数据 TECHNICAL DATA:

型号 Model	额定功率 Rated output	额定 转速 Rated speed (r/min)	电流 Current In (A)	效率 EFF %	功率 因素 Power factor cos Φ	堵转转矩 额定转矩 Locked torque Rated torque TST/TFL	堵转电流 额定电流 Locked current Rated torque IST/TFL	最大转矩 额定转矩 Max torque Rated torque TM/TFL
同步转速750转/分 (8极) 380V 50Hz Synchronous Speed 750r/min(8poles)								
YE3-80M1-8	0.18	630	0.88	51	0.61	1.8	3.3	1.9
YE3-80M2-8	0.25	640	1.15	54	0.61	1.8	3.3	1.9
YE3-90S-8	0.37	660	1.49	62	0.61	1.8	4.0	1.9
YE3-90L-8	0.55	660	2.17	63	0.61	1.8	4.0	1.9
YE3-100L1-8	0.75	690	2.40	71	0.67	1.8	4.0	2.0
YE3-100L2-8	1.1	690	3.32	73	0.69	1.8	5.0	2.0
YE3-112M-8	1.5	700	4.40	75	0.69	1.8	5.0	2.0
YE3-132S-8	2.2	710	6.04	78	0.71	1.8	6.0	2.0
YE3-132M-8	3.0	710	7.90	79	0.73	1.8	6.0	2.0
YE3-160M1-8	4.0	720	10.3	81	0.73	1.9	6.0	2.0
YE3-160M2-8	5.5	720	13.6	83	0.74	2.0	6.0	2.0
YE3-160L-8	7.5	720	17.8	85.5	0.75	2.0	6.0	2.0
YE3-180L-8	11	730	25.1	87.5	0.76	2.0	6.6	2.0
YE3-200L-8	15	730	34.1	88	0.76	2.0	6.6	2.0
YE3-225S-8	18.5	730	41.1	90	0.76	1.9	6.6	2.0
YE3-225M-8	22	740	47.4	90.5	0.78	1.9	6.6	2.0
YE3-250M-8	30	740	63.4	91	0.79	1.9	6.6	2.0
YE3-280S-8	37	740	77.8	91.5	0.79	1.9	6.6	2.0
YE3-280M-8	45	740	94.1	92	0.79	1.9	6.6	2.0
YE3-315S-8	55	740	111	92.8	0.81	1.8	6.6	2.0
YE3-315M-8	75	740	151	93	0.81	1.8	6.6	2.0
YE3-315L1-8	90	740	178	93.8	0.82	1.8	6.6	2.0
YE3-315L2-8	110	740	217	94	0.82	1.8	6.6	2.0
YE3-355M1-8	132	740	261	94.2	0.82	1.8	6.4	2.0
YE3-355M2-8	160	740	315	94.2	0.82	1.8	6.4	2.0
YE3-355L-8	200	740	387	94.5	0.83	1.8	6.4	2.0
同步转速600转/分 (8极) 380V 50Hz Synchronous Speed 600r/min(8poles)								
YE3-315S-10	45	590	99.6	91.5	0.75	1.5	6.2	2.0
YE3-315M-10	55	590	121	92	0.75	1.5	6.2	2.0
YE3-315L1-10	75	590	162	92.5	0.76	1.5	6.2	2.0
YE3-315L2-10	90	590	191	93	0.77	1.5	6.2	2.0
YE3-355M1-10	110	590	230	93.2	0.78	1.3	6.0	2.0
YE3-355M2-10	132	590	275	93.5	0.78	1.3	6.0	2.0
YE3-355L-10	160	590	333	93.5	0.78	1.3	6.0	2.0

YVF2 SERIES 铁壳变频调速三相异步电动机

CAST IRON FREQUENCY CONVERSION AND SPEED REGULATION THREE-PHASE ASYNCHRONOUS MOTORS



产品概述 PRODUCT OVERVIEW

YVF2 系列铁壳变频调速三相异步电动机调速范围广。它与变频调速装置配套使用，构成交流变频无极调速系统。在 5-50Hz 范围内作恒转矩变频调速运行，在 50-100Hz 范围内作恒功率变频调速运行，运行平稳，无转矩脉动现象，起动转矩大，起动电流小。电动机的安装形式及安装尺寸均与同容量的 Y 系列三相异步电动机一致。装有独立的冷却风扇装置，电机运行在不同转速下均有较好的冷却效果。

YVF2 series is variable frequency speed regulating three-phase asynchronous motor with wide speed regulating range. It is used with frequency conversion speed regulating device to form AC frequency conversion stepless speed regulating system. Constant torque variable frequency speed regulation operation within range of 5-50Hz, and constant power variable frequency speed regulation operation within range of 50-100Hz. Its features are: stable operation, no torque ripple phenomenon, large starting torque, small starting current. The installation form and installation size are consistent with the Y-series three-phase asynchronous motor at same capacity. Equipped with an independent cooling fan device, cooling effect is quite good at different speeds.

使用条件

机座中心高: 80-355mm
功率范围: 0.55-315kW
额定电压: 380V (其他电压需另订协议)
额定频率: 50Hz (或 60Hz)
防护等级: IP54 (或 IP55)
绝缘等级: F 级
工作制: S1

OPERATING CONDITIONS

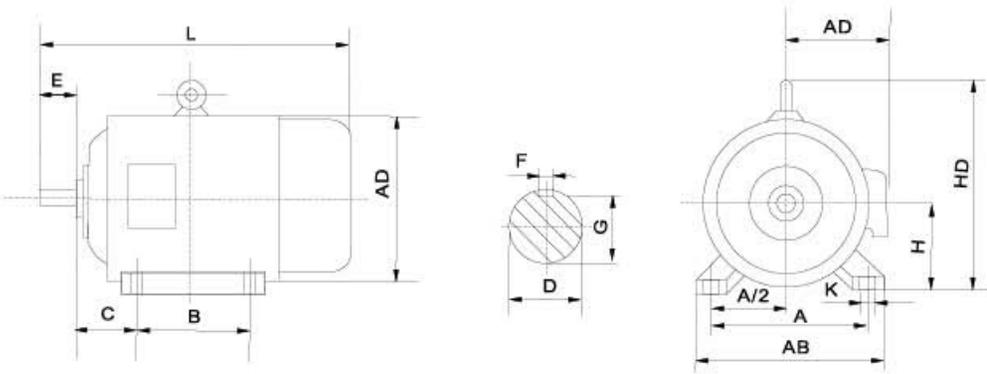
Centre height of frame: 80-355mm
Power range: 0.55-315kW
Rated voltage: 380V (special should order)
Rated frequency: 50Hz or 60Hz
Protection class: IP54 or IP55
Insulation class: F
Duty type: S1

技术数据 TECHNICAL DATA:
4极 (4 poles)

型号 Model	标准功率 Nominal Capacity kw	标准电流 Nominal Current A	额定转矩 Rated Torque N.m
YVF2 801-4	0.55	1.8	3.5
YVF2 802-4	0.75	2.3	4.7
YVF2 90S-4	1.1	3	7
YVF2 90L-4	1.5	4.1	9.8
YVF2 100L1-4	2.2	5.5	14
YVF2 100L2-4	3	7.5	19
YVF2 112M-4	4	9.6	25
YVF2 132S-4	5.5	12.7	35
YVF2 132M-4	7.5	17	47.5
YVF2 160M-4	11	24.8	70
YVF2 160L-4	15	33	95
YVF2 180M-4	18.5	37.7	117.5
YVF2 180L-4	22	44.5	140
YVF2 200L-4	30	59.6	190
YVF2 225S-4	37	73.2	235
YVF2 225M-4	45	88.4	286
YVF2 250M-4	55	107.5	350
YVF2 280S-4	75	146.6	477
YVF2 280M-4	90	172.5	572.5

6极 (6 poles)

型号 Model	标准功率 Nominal Capacity kw	标准电流 Nominal Current A	额定转矩 Rated Torque N.m
YVF2 90S-6	0.75	2.5	7
YVF2 90L-6	1.1	3.5	10.5
YVF2 100L-6	1.5	4.4	14
YVF2 112M-6	2.2	6.1	21
YVF2 132S-6	3	7.9	28.5
YVF2 132M1-6	4	10.3	37.5
YVF2 132M2-6	5.5	13.8	52.5
YVF2 160M-6	7.5	18.7	71
YVF2 160L-6	11	27	105
YVF2 180L-6	15	34.6	142.5
YVF2 200L1-6	18.5	39.6	176
YVF2 200L2-6	22	46.8	210
YVF2 225M-6	30	62.5	285.5
YVF2 250M-6	37	75.6	352.5
YVF2 280S-6	45	89.6	429
YVF2 280M-6	55	110	525
-	-	-	-
-	-	-	-

外形及安装尺寸 Dimensions:


机座号 Frame Number	极数 Poles	安装尺寸 Mounting Dimensions (mm)									外形尺寸 Overall Dimensions (mm)				
		A	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L
YVF2 80	4	125	100	50	19	40	6	15.5	80	10	165	175	150	175	370
YVF2 90S	4	140	100	56	24	50	8	20	90	10	180	195	160	195	385
YVF2 90L	4.6	140	125	56	24	50	8	20	90	10	180	195	160	195	410
YVF2 100L	4.6	160	140	63	28	60	8	24	100	12	205	215	180	245	465
YVF2 112M	4.6	190	140	70	28	60	8	24	112	12	245	240	190	265	470
YVF2 132S	4.6	216	140	89	38	80	10	33	132	12	280	275	210	315	535
YVF2 132M	4.6	216	178	89	38	80	10	33	132	12	280	275	210	315	575
YVF2 160M	4.6	254	210	108	42	110	12	37	160	15	330	355	265	385	665
YVF2 160L	4.6	254	254	108	42	110	12	37	160	15	330	355	265	385	710
YVF2 180M	4.6	279	241	121	48	110	14	42.5	180	15	355	380	285	430	750
YVF2 180L	4.6	279	279	121	48	110	14	42.5	180	15	355	380	285	430	790
YVF2 200L	4.6	318	305	133	55	110	16	49	200	19	395	420	315	475	850
YVF2 225S	4	356	286	149	60	110	18	53	225	19	435	475	345	530	895
YVF2 225M	4.6	356	311	149	60	110	18	53	225	19	435	475	345	530	920
YVF2 250M	4.6	406	349	168	65	140	18	58	250	24	490	515	385	575	1005
YVF2 280S	4.6	457	368	190	75	140	20	67.5	280	24	550	580	410	640	1120
YVF2 280M	4.6	457	419	190	75	140	20	67.5	280	24	550	580	410	640	1170

YEJ2 SERIES 铁壳电磁制动三相异步电动机

CAST IRON ELECTROMAGNETIC BRAKE THREE-PHASE ASYNCHRONOUS MOTORS



产品概述 PRODUCT OVERVIEW

YEJ2 系列铁壳电磁制动电动机是 YEJ 系列的改进产品,符合国家标准 JB/T6456-2010 要求,电气性能满足 YE2 系列电机技术标准。该系列制动电动机是在电机非拖动轴端装有电磁制动器,当电机失电时,电磁制动器的制动盘自动与电机后盖压合,产生摩擦制动力矩,使电机停转,空载制动时间随机座号由小到大,为 0.15~0.45S。制动器电源必须拖动电机。电源同步进行。YEJ2 系列电机广泛应用于机械加工机床和输送机械及包装、木工、食品、化工、纺织、建筑、商店、卷门等机械作用驱动力。

YEJ2 series electromagnetic brake motor is an improved version of YEJ, which meets the requirements of national standard JB/T6456-2010, and its electrical performance meets the technical standards of YE2 motors. This series brake motor is equipped with an electromagnetic brake at non-drag shaft end. When the motor loses power, the brake disc of the electromagnetic brake automatically compacts with the rear cover of the motor, which resulting in friction braking torque, so that the motor stops; And the no-load braking time is random from small to large, which is 0.15-0.45S. The brake power supply must drag the motor. The power supply is synchronized. YEJ2 series motors are widely used in mechanical processing machine, conveying machinery, packaging, woodworking, foodstuff, chemical, textile, construction, shops, rolling doors and other mechanical driving forces.

使用条件

机座中心高: 63~160mm
控制器电源: 机座中心高 $H \leq 100\text{mm}$, 交流 220V (整流后 99V)
机座中心高: $H \geq 112\text{mm}$, 交流 380V (整流后 170V)
功率范围: 0.12~45kW
额定电压: 380V (其他电压需另订协议)
额定频率: 50Hz (或 60Hz)
防护等级: IP54 (或 IP55)
绝缘等级: B/F 级
工作制: S1

OPERATING CONDITIONS

Centre height of frame: 63~160mm
Controller's power:
 $\leq 100\text{mm}$, AV220V (after commutate 99V)
Controller's power:
 $H \geq 112\text{mm}$, AV380V (after commutate 170V)
Power range: 0.12~45kW
Rated voltage: 380V (special should order)
Rated frequency: 50Hz or 60Hz
Protection class: IP54 or IP55
Insulation class: B/F
Duty type: S1

技术数据 TECHNICAL DATA:

额定电压 : 380V 频率 : 50Hz Rated voltage: 380V Frequency:50Hz

型号 Model	额定功率 Rated output	额定转速 Rated speed	电 流 IN(A)	效率 EFF	功率 因素 Power factor	静制 动力矩 (Nm)	空载制 动时间 (S)	励磁 功率 (W)	堵转电流 额定电流 Locked current Rated torque IST/TFL	堵转转矩 额定转矩 Locked torque Rated torque TST/TFL	最大转矩 额定转矩 Max torque Rated torque TM/TFL	重量 Weight (Kg)
YEJ2	(kW)	(r/min)		%	cos Φ							
同步转速3000转/分 (2极) 380V 50Hz Synchronous Speed 3000r/min(2 poles)												
YEJ2-801-2	0.75	2845	1.83	75	0.83	7.5	0.20	30	6.1	2.2	2.3	17
YEJ2-802-2	1.1	2840	2.58	77	0.84	7.5	0.20	30	7.0	2.2	2.3	18
YEJ2-90S-2	1.5	2840	3.43	79	0.84	15	0.20	50	7.0	2.2	2.3	23
YEJ2-90L-2	2.2	2840	4.85	81	0.85	15	0.20	50	7.0	2.2	2.3	26
YEJ2-100L-2	3.0	2860	6.31	83	0.87	30	0.20	65	7.5	2.2	2.3	37
YEJ2-112M-2	4.0	2880	8.10	85	0.88	40	0.25	90	7.5	2.2	2.3	45
YEJ2-132S1-2	5.5	2900	11.0	86	0.88	75	0.25	90	7.5	2.2	2.3	59
YEJ2-132S2-2	7.5	2900	14.9	87	0.88	75	0.25	90	7.5	2.2	2.3	72
YEJ2-160M1-2	11	2030	21.3	88	0.89	150	0.35	150	7.5	2.2	2.3	120
YEJ2-160M2-2	15	2930	28.8	89	0.89	150	0.35	150	7.5	2.2	2.3	130
YEJ2-160L-2	18.5	2930	34.7	90	0.90	150	0.35	150	7.5	2.2	2.3	149
同步转速1500转/分 (4极) 380V 50Hz Synchronous Speed 1500r/min(4 poles)												
YEJ2-801-4	0.55	1390	1.57	71	0.75	7.5	0.20	30	5.2	2.4	2.3	17
YEJ2-802-4	0.75	1380	2.03	73	0.76	7.5	0.20	30	6.0	2.3	2.3	18
YEJ2-90S-4	1.1	1390	0.89	75	0.77	15	0.20	50	6.0	2.3	2.3	22
YEJ2-90L-4	1.5	1390	3.70	78	0.79	15	0.20	50	6.0	2.3	2.3	27
YEJ2-100L1-4	2.2	1410	5.16	80	0.81	30	0.20	65	7.0	2.3	2.3	34
YEJ2-100L2-4	3.0	1410	6.78	82	0.82	30	0.20	65	7.0	2.3	2.3	38
YEJ2-112M-4	4.0	1435	8.80	84	0.82	40	0.25	90	7.0	2.3	2.3	48
YEJ2-132S-4	5.5	1440	11.7	85	0.83	75	0.25	90	7.0	2.3	2.3	71
YEJ2-132M-4	7.5	1440	15.6	87	0.84	75	0.25	90	7.0	2.3	2.3	83
YEJ2-160M-4	11	1460	22.3	88	0.84	150	0.35	150	7.0	2.2	2.3	128
YEJ2-160L-4	15	1460	30.1	89	0.85	150	0.35	150	7.5	2.2	2.3	142

技术数据 TECHNICAL DATA:

额定电压 : 380V 频率 : 50Hz Rated voltage: 380V Frequency:50Hz

型号 Model	额定功率 Rated output	额定转速 Rated speed	电 流 IN(A)	效率 EFF %	功率 因素 Power factor cosΦ	静制 动力矩 (Nm)	空载制 动时间 (S)	励磁 功率 (W)	堵转电流 额定电流 Locked current Rated torque IST/TFL	堵转转矩 额定转矩 Locked torque Rated torque TST/TFL	最大转矩 额定转矩 Max torque Rated torque TM/TFL	重量 (Kg)
YEJ2	(kW)	(r/min)										
同步转速1000转/分 (6极) 380V 50Hz Synchronous Speed 1000r/min(6poles)												
YEJ2-801-6	0.37	885	1.30	62	0.70	7.5	0.20	30	4.7	1.9	2.0	17
YEJ2-802-6	0.55	885	1.79	65	0.72	7.5	0.20	30	4.7	1.9	2.1	19
YEJ2-90S-6	0.75	910	2.29	69	0.72	15	0.20	50	5.5	2.0	2.1	22
YEJ2-90L-6	1.1	910	3.18	72	0.73	15	0.20	50	5.5	2.0	2.1	28
YEJ2-100L-6	1.5	920	3.94	76	0.75	30	0.20	65	5.5	2.0	2.1	34
YEJ2-112M-6	2.2	935	5.60	79	0.76	40	0.25	90	6.5	2.0	2.1	42
YEJ2-132S-6	3.0	960	7.40	81	0.76	75	0.25	90	6.5	2.1	2.1	68
YEJ2-132M1-6	4.0	960	9.80	82	0.76	75	0.25	90	6.5	2.1	2.1	79
YEJ2-132M2-6	5.5	960	12.9	84	0.77	75	0.25	90	6.5	2.1	2.1	87
YEJ2-160M-6	7.5	970	17.0	86	0.77	150	0.35	150	6.5	2.0	2.1	122
YEJ2-160L-6	11	970	24.2	87.5	0.78	150	0.35	150	6.5	2.0	2.1	141
同步转速750转/分 (8极) 380V 50Hz Synchronous Speed 750r/min(8poles)												
YEJ2-801-8	0.18	645	0.88	51	0.61	7.5	0.20	30	3.3	1.8	1.9	17
YEJ2-802-8	0.25	645	1.15	54	0.61	7.5	0.20	30	3.3	1.8	1.9	19
YEJ2-90S-8	0.37	670	1.49	62	0.61	15	0.20	50	4.0	1.8	1.9	23
YEJ2-90L-8	0.55	680	2.18	63	0.61	15	0.20	50	4.0	1.8	2.0	25
YEJ2-100L1-8	0.75	680	2.17	71	0.667	30	0.20	65	4.0	1.8	2.0	33
YEJ2-100L2-8	1.1	680	2.39	73	0.69	30	0.20	65	5.0	1.8	2.0	38
YEJ2-112M-8	1.5	690	4.50	75	0.69	40	0.25	90	5.0	1.8	2.0	50
YEJ2-132S-8	2.2	705	6.00	78	0.71	75	0.25	90	6.0	1.8	2.0	63
YEJ2-132M-8	3.0	705	7.90	79	0.73	75	0.25	90	6.0	1.8	2.0	79
YEJ2-160M1-8	4.0	720	10.3	81	0.73	150	0.35	150	6.0	1.9	25.0	118
YEJ2-160M2-8	5.5	720	13.6	83	0.74	150	0.35	150	6.0	2.0	2.0	119
YEJ2-160L-8	7.5	720	17.8	85.5	0.75	150	0.35	150	6.0	2.0	2.0	145



产品概述

PRODUCT OVERVIEW

YVPEJ 系列铁壳变频调速三相异步电动机是由 YVF2 系列变频调速电动机与电磁制动器组合而成，是全封闭自扇冷式鼠笼型，具有附加圆盘直流制动器的三相异步电动机此外制动器还具有人工释放机构，具有无极调速范围广、制动速度快、定位准确等优点，更适用于机械、矿山、冶金、纺织、印染、化工、农机等需要无极变速又需要快速停机，准确定位的设备；可代替机械传动中的无极变速机。

YVPEJ series variable frequency speed regulating three-phase asynchronous motor is a combination of YVF2 series variable frequency speed regulating motor and electromagnetic brake. It is a fully enclosed self-fan-cooled squirrel-cage type three-phase motor with additional disc DC brake. The brake has manual release structure, and has advantages of wide range of stepless speed regulation, fast braking and accurate positioning. It is more applicable to mining, metallurgy, textile, printing, dyeing, chemical industry, agricultural machinery and other equipment that requires speed variable fast shutdown and accurate positioning; It can replace speed variators in the mechanical transmission.

技术数据 TECHNICAL DATA:

额定电压 : 380V 频率 : 50Hz Rated voltage: 380V Frequency:50Hz

型号 Model	额定功率 Rated output	额定电流 Rated current	额定转速 Rated speed	效率 EFF	功率因素 Power factor	额定转矩 Rated torque	噪音 Noise level	恒转矩调速范围 Constant torque Frequency Range Hz	恒功率调速范围 Constant output Frequency Range Hz
YVPEJ	(kW)	(r/min)	(r/min)	%	cosΦ	(N.m)	(A)		
同步转速3000转/分 (2极) 380V 50Hz Synchronous Speed 3000r/min(2 poles)									
YVPEJ-80M1-2	0.75	1.83	2845	75.0	0.83	2.52	73	5-50	5-100
YVPEJ-80M2-2	1.1	2.61	2845	76.2	0.84	3.69	73		
YVPEJ-90S-2	1.5	3.46	2840	78.5	0.84	5.04	76		
YVPEJ-90L-2	2.2	4.85	2840	81.0	0.85	7.40	76		
YVPEJ-100L-2	3	6.34	2860	82.6	0.87	10.1	79		
YVPEJ-112M-2	4	8.20	2880	81.2	0.88	13.3	80		
YVPEJ-132S1-2	5.5	11.1	2900	85.7	0.88	18.1	86		
YVPEJ-132S2-2	7.5	14.9	2900	87.0	0.88	24.7	86		
YVPEJ-160M1-2	11	21.2	2930	88.4	0.89	35.9	90		
YVPEJ-160M2-2	15	28.6	2930	89.4	0.89	48.9	90		
YVPEJ-160L-2	18.5	34.7	2930	90.0	0.90	60.3	90		
YVPEJ-180M-2	22	41.0	2940	90.5	0.90	71.5	91		
YVPEJ-200L1-2	30	55.4	2950	91.4	0.90	97.0	92		
YVPEJ-200L2-2	37	67.9	2950	92.0	0.90	120	92		
YVPEJ-225M-2	45	82.1	2960	92.5	0.90	145	94		
YVPEJ-250M-2	55	99.8	2965	93.0	0.90	177	96		
YVPEJ-280S-2	75	135	2970	93.6	0.90	241	99	5-50	5-70
YVPEJ-280M-2	90	160	2970	93.9	0.91	297	99		
YVPEJ-315S-2	110	195	2975	94.0	0.91	353	105	5-50	5-60
YVPEJ-315M-2	132	233	2975	94.5	0.91	424	105		
YVPEJ-315L1-2	160	279	2975	94.6	0.92	514	109		
YVPEJ-315L-2	185	323	2975	94.6	0.92	594	109		
YVPEJ-315L2-2	200	348	2975	94.8	0.92	642	109		
YVPEJ-315L3-2	220	383	2975	94.8	0.92	706	109		
YVPEJ-355M1-2	220	383	2975	94.8	0.92	705	111		
YVPEJ-355M-2	250	435	2980	95.0	0.92	801	111		
YVPEJ-355L1-2	280	487	2980	95.0	0.92	897	113		
YVPEJ-355L-2	315	548	2980	95.0	0.92	1009	113		
YVPEJ-355L2-2	355	617	2980	95.0	0.92	1138	113		
YVPEJ-355L3-2	375	652	2980	95.0	0.92	1202	113		

技术数据 TECHNICAL DATA:

额定电压: 380V 频率: 50Hz Rated voltage: 380V Frequency: 50Hz

型号 Model	额定功率 Rated output	额定电流 Rated current	额定转速 Rated speed	效率 EFF	功率因素 Power factor	额定转矩 Rated torque	噪音 Noise level	恒转矩调速范围 Constant torque Frequency Range Hz	恒功率调速范围 Constant output Frequency Range Hz
YVPEJ	(kW)	(r/min)	(r/min)	%	cosΦ	(N.m)	LW dB(A)		
同步转速1500转/分 (4极) 380V 50Hz Synchronous Speed 1500r/min(4 poles)									
YVPEJ-80M1-4	0.55	1.57	1390	71.0	0.75	3.78	73		
YVPEJ-80M2-4	0.75	2.05	1390	73.0	0.76	5.15	73		
YVPEJ-90S-4	1.1	2.85	1390	76.2	0.77	7.56	76		
YVPEJ-90L-4	1.5	3.68	1390	78.5	0.79	10.3	76		
YVPEJ-100L1-4	2.2	5.09	1410	81.0	0.81	14.9	79		
YVPEJ-100L2-4	3	6.73	1410	82.6	0.82	20.3	79		
YVPEJ-112M-4	4	8.80	1440	84.2	0.82	26.5	80		
YVPEJ-132S-4	5.5	11.7	1440	85.7	0.83	36.5	86		
YVPEJ-132M-4	7.5	15.6	1440	87.0	0.84	49.7	86		
YVPEJ-160M-4	11	22.5	1460	88.4	0.84	72.0	90		
YVPEJ-160L-4	15	30.0	1460	89.4	0.85	98.1	90		
YVPEJ-180M-4	18.5	36.3	1470	90.0	0.86	120	91		
YVPEJ-180L-4	22	42.9	1470	90.5	0.86	143	91		
YVPEJ-200L-4	30	58.0	1470	91.4	0.86	195	92		
YVPEJ-225S-4	37	70.2	1475	92.0	0.87	240	94		
YVPEJ-225M-4	45	85.0	1475	92.5	0.87	291	94	5-50	5-100
YVPEJ-250M-4	55	103	1480	93.0	0.87	355	96		
YVPEJ-280S-4	75	140	1480	93.6	0.87	484	99		
YVPEJ-280M-4	90	167	1480	93.9	0.87	571	99		
YVPEJ-315S-4	110	201	1480	94.5	0.88	710	105		
YVPEJ-315M-4	132	240	1480	94.8	0.88	852	105		
YVPEJ-315L1-4	160	288	1480	94.9	0.89	1032	109		
YVPEJ-315L-4	185	333	1480	94.9	0.89	1194	109		
YVPEJ-315L2-4	200	360	1480	94.9	0.89	1291	109		
YVPEJ-315L3-4	220	396	1480	94.9	0.89	1420	109		
YVPEJ-355M1-4	220	396	1490	94.9	0.89	1410	111		
YVPEJ-355M-4	250	444	1490	95.1	0.90	1602	111		
YVPEJ-355L1-4	280	497	1490	95.1	0.90	1795	113		
YVPEJ-355L-4	315	559	1490	95.1	0.90	2019	113		
YVPEJ-355L2-4	355	630	1490	95.1	0.90	2275	113		
YVPEJ-355L3-4	375	666	1490	95.1	0.90	2404	113		

技术数据 TECHNICAL DATA:

额定电压 : 380V 频率 : 50Hz Rated voltage: 380V Frequency:50Hz

型号 Model	额定功率 Rated output	额定电流 Rated current	额定转速 Rated speed	效率 EFF	功率因素 Power factor	额定转矩 Rated torque	噪音 Noise level	恒转矩调速范围 Constant torque Frequency Range Hz	恒功率调速范围 Constant output Frequency Range Hz
YVPEJ	(kW)	(n/min)	(n/min)	%	cos Φ	(N.m)	LW dB (A)		
同步转速1000转/分 (6极) 380V 50Hz Synchronous Speed 1000r/min(6poles)									
YVPEJ-80M1-6	0.37	1.30	885	62.0	0.70	3.99	73		
YVPEJ-80M2-6	0.55	1.79	885	65.0	0.72	5.94	73		
YVPEJ-90S-6	0.75	2.29	910	69.0	0.72	7.87	76		
YVPEJ-90L-6	1.1	3.18	910	72.0	0.73	11.5	76		
YVPEJ-100L-6	1.5	4.00	920	76.0	0.75	15.6	79		
YVPEJ-112M-6	2.2	5.57	935	79.0	0.76	22.5	80		
YVPEJ-132S-6	3	7.40	960	81.0	0.76	29.8	86		
YVPEJ-132M1-6	4	9.75	960	82.0	0.76	39.8	86		
YVPEJ-132M2-6	5.5	12.9	965	84.0	0.77	54.4	86		
YVPEJ-160M-6	7.5	17.2	970	86.0	0.77	73.8	90		
YVPEJ-160L-6	11	24.5	970	87.5	0.78	108	90		
YVPEJ-180L-6	15	31.6	970	89.0	0.81	148	91		
YVPEJ-200L1-6	18.5	38.6	980	90.0	0.81	180	92		
YVPEJ-200L2-6	22	44.7	980	90.0	0.83	214	92		
YVPEJ-225M-6	30	59.3	980	91.5	0.84	292	94	5-50	5-100
YVPEJ-250M-6	37	71.1	980	92.0	0.86	361	96		
YVPEJ-280S-6	45	85.9	980	92.5	0.86	439	99		
YVPEJ-280M-6	55	105	980	92.8	0.86	536	99		
YVPEJ-315S-6	75	142	985	93.5	0.86	727	105		
YVPEJ-315M-6	90	170	985	93.8	0.86	873	105		
YVPEJ-315L1-6	110	207	985	94.0	0.86	1066	109		
YVPEJ-315L2-6	132	245	985	94.2	0.86	1280	109		
YVPEJ-315L3-6	160	292	985	94.5	0.87	1551	109		
YVPEJ-355M1-6	160	292	990	94.5	0.88	1543	111		
YVPEJ-355M-6	185	338	990	94.5	0.88	1785	111		
YVPEJ-355M2-6	200	364	990	94.8	0.88	1929	111		
YVPEJ-355L1-6	220	401	990	94.8	0.88	2122	113		
YVPEJ-355L-6	250	454	990	95.0	0.88	2412	113		
YVPEJ-355L2-6	280	509	990	95.0	0.88	2701	113		
YVPEJ-355L3-6	315	572	990	95.0	0.88	3039	113		

技术数据 TECHNICAL DATA:

额定电压 : 380V 频率 : 50Hz Rated voltage: 380V Frequency:50Hz

型号 Model	额定功率 Rated output	额定电流 Rated current	额定转速 Rated speed	效率 EFF	功率因素 Power factor	额定转矩 Rated torque	噪音 Noise level	恒转矩调频范围 Constant torque Frequency Range Hz	恒功率调频范围 Constant output Frequency Range Hz
YVPEJ	(kW)	(r/min)	(r/min)	%	cos Φ	(N.m)	LW dB(A)		
同步转速750转/分 (8极) 380V 50Hz Synchronous Speed 750r/min(8poles)									
YVPEJ-80M1-8	0.18	0.88	645	51.0	0.61	2.67	73	5-50	5-100
YVPEJ-80M2-8	0.25	1.15	645	54.0	0.61	3.70	73		
YVPEJ-90S-8	0.37	1.49	670	62.0	0.61	5.27	76		
YVPEJ-90L-8	0.55	2.17	670	63.0	0.61	7.84	76		
YVPEJ-100L1-8	0.75	2.40	680	71.0	0.67	10.5	79		
YVPEJ-100L2-8	1.1	3.32	680	73.0	0.69	15.4	79		
YVPEJ-112M-8	1.5	4.40	690	75.0	0.69	20.8	80		
YVPEJ-132S-8	2.2	6.04	705	78.0	0.71	29.8	86		
YVPEJ-132M-8	3	7.90	705	79.0	0.73	40.6	86		
YVPEJ-160M1-8	4	10.3	720	81.0	0.73	53.1	90		
YVPEJ-160M2-8	5.5	13.6	720	83.0	0.74	73.0	90		
YVPEJ-160L-8	7.5	17.8	720	85.5	0.75	99.5	90		
YVPEJ-180L-8	11	25.1	730	87.5	0.76	144	91		
YVPEJ-200L-8	15	34.1	730	88.0	0.76	196	92		
YVPEJ-225S-8	18.5	41.1	730	90.0	0.76	242	94		
YVPEJ-225M-8	22	47.4	730	90.5	0.78	288	94		
YVPEJ-250M-8	30	63.4	735	91.0	0.79	390	96		
YVPEJ-280S-8	37	77.8	735	91.5	0.79	481	99		
YVPEJ-280M-8	45	94.1	735	92.0	0.79	585	99		
YVPEJ-315S-8	55	111	735	92.8	0.81	715	105		
YVPEJ-315M-8	75	151	735	93.0	0.81	974	105		
YVPEJ-315L1-8	90	178	735	93.8	0.82	1169	109		
YVPEJ-315L2-8	110	217	735	94.0	0.82	1429	109		
YVPEJ-355M1-8	132	261	740	93.7	0.82	1704	111		
YVPEJ-355M2-8	160	315	740	94.2	0.82	2065	111		
YVPEJ-355L1-8	185	364	740	94.2	0.82	2388	113		
YVPEJ-355L-8	200	387	740	94.5	0.83	2581	113		
YVPEJ-355L2-8	220	426	740	94.5	0.83	2839	113		
YVPEJ-355L3-8	250	484	740	94.5	0.83	3226	113		
同步转速600转/分 (8极) 380V 50Hz Synchronous Speed 600r/min(8poles)									
YVPEJ-315S-10	45	100	590	91.5	0.75	728	105	5-50	5-100
YVPEJ-315M-10	55	121	590	92.0	0.75	890	105		
YVPEJ-315L1-10	75	162	590	95.5	0.76	1214	109		
YVPEJ-315L2-10	90	191	590	93.0	0.77	1457	109		
YVPEJ-355M1-10	110	230	590	93.2	0.78	1751	111		
YVPEJ-355M2-10	132	275	590	93.5	0.78	2137	111		
YVPEJ-355L1-10	16	333	590	93.5	0.78	2590	113		
YVPEJ-355L-10	185	385	590	93.5	0.78	2994	113		
YVPEJ-355L2-10	200	417	590	93.5	0.78	3237	113		
YVPEJ-355L3-10	220	458	590	93.5	0.78	3561	113		

RKFS SERIES 四大系列专用直联三相异步电动机

SPECIAL DIRECT-CONNECTED THREE-PHASE
ASYNCHRONOUS MOTORS

产品概述

R、K、S、F系列减速机专用直联（普通Y2、多速D、变频YVP、制动YEJ、变频制动YVPJ）三相异步电动机，效率高、起动力矩大、噪声低、散热性能好等特点。广泛用于食品、啤酒饮料、石化、仓储物流、起重运输等行业的传动领域。



Y/Y2 普通 /D 多速电机



YEJ 制动 /YVPJ 变频制动电机



YVP 变频电机

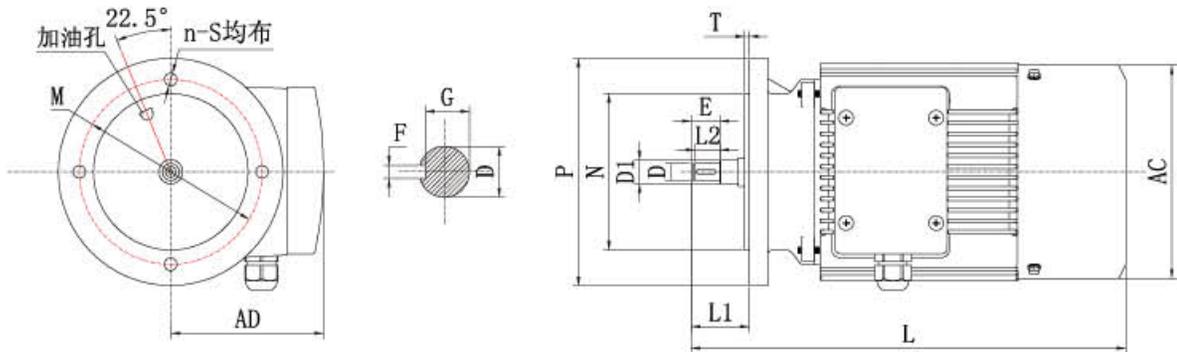
PRODUCT OVERVIEW

This series is direct connection three-phase asynchronous motor specially designed for R.K.F.S series gearboxes (ordinary Y2, multi-speed D, variable frequency YVP, brake YEJ, variable frequency brake YVPJ). It has following advantages: high efficiency, large starting torque, low noise, fast heat dissipation and so on. It is widely used in the transmission field such as foodstuff, beverage, petrochemical, warehouse logistics, hoisting and transportation industries.

技术数据 TECHNICAL DATA:

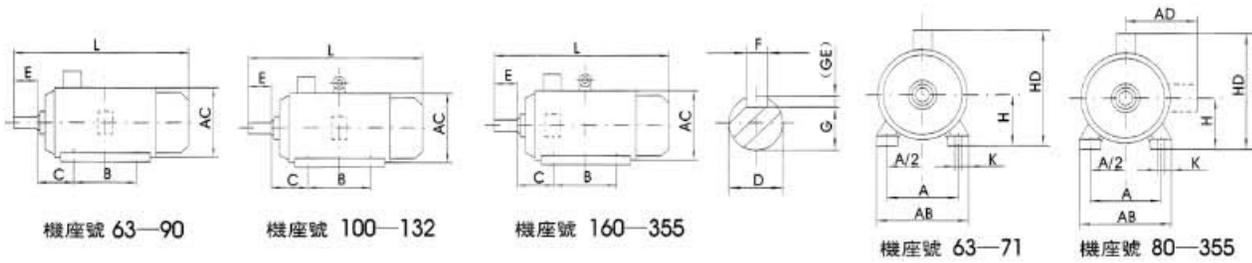
型号 Model	额定功率 Rated output		额定转速 Rated speed	效率 Efficiency	功率因数 Power factor	额定电流 Rated current	堵转转矩 Locked rotor torque 额定转矩 Rated torque	最大转矩 Maximum torque 额定转矩 Rated torque	堵转电流 Locked rotor current 额定电流 Rated current	噪音 Noise
	KW	HP	RPM	η %	COS Φ	A	Ts/Tn	Tmax/Tn	IST/TFL	dB(A)
GLF-631-4	0.12	0.16	1310	64.8	0.72	0.44	2.1	2.2	4.4	55
GLF-632-4	0.18	0.25	130	69.9	0.73	0.62	2.1	2.2	4.4	56
GLF-711-4	0.25	0.33	1330	73.5	0.74	0.79	2.1	2.2	5.2	55
GLF-712-4	0.37	0.5	1330	77.3	0.75	1.12	2.1	2.2	5.2	55
GLF-80M1-4	0.55	0.75	1390	80.8	0.75	1.6	2.4	2.3	5.2	58
GLF-80M2-4	0.75	1.0	1390	82.5	0.76	2.0	2.3	2.3	6.0	58
GLF-90S-4	1.1	1.5	1390	84.1	0.77	2.9	2.3	2.3	6.0	61
GLF-90L-4	1.5	2.0	1390	85.3	0.79	3.7	2.3	2.3	6.0	61
GLF-100L1-4	2.2	3.0	1410	86.7	0.81	5.2	2.3	2.3	7.0	64
GLF-100L2-4	3.0	4.0	1410	87.7	0.82	6.8	2.3	2.3	7.0	64
GLF-112M-4	4.0	5.5	1440	88.6	0.82	8.8	2.3	2.3	7.0	65
GLF-132S-4	5.5	7.5	1440	89.6	0.83	11.8	2.3	2.3	7.0	71
GLF-132M-4	7.5	10	1440	90.4	0.84	15.6	2.3	2.3	7.0	71
GLF-160M-4	11	15	1460	91.4	0.84	22.3	2.2	2.3	7.0	75
GLF-160L-4	15	20	1460	92.4	0.85	30.1	2.2	2.3	7.5	75
GLF-180M-4	18.5	25	1470	92.6	0.86	36.1	2.2	2.3	7.5	76
GLF-180L-4	22	30	1470	93.0	0.86	42.7	2.2	2.3	7.5	76
GLF-200L-4	30	40	1470	93.6	0.86	57.6	2.2	2.3	7.2	76
GLF-225S-4	37	50	1475	93.9	0.87	69.9	2.2	2.3	7.2	78
GLF-225M-4	45	60	1475	94.2	0.87	84.7	2.2	2.3	7.2	78
GLF-711-6	0.18	0.25	850	63.9	0.66	0.74	1.9	2.0	4.0	52
GLF-712-6	0.25	0.33	850	68.6	0.68	0.95	1.9	2.0	4.0	52
GLF-80M1-6	0.37	0.5	885	73.5	0.70	1.3	1.9	2.0	4.7	54
GLF-80M2-6	0.55	0.75	885	77.2	0.72	1.8	1.9	2.1	4.7	54
GLF-90S-6	0.75	1.0	910	78.9	0.72	2.3	2.0	2.1	5.5	57
GLF-90L-6	1.1	1.5	910	81.0	0.73	3.2	2.0	2.1	5.5	57
GLF-100L-6	1.5	2.0	920	82.5	0.75	3.9	2.0	2.1	5.5	61
GLF-112M-6	2.2	3.0	935	84.3	0.76	5.6	2.0	2.1	6.5	65
GLF-132S-6	3.0	4.0	960	85.6	0.76	7.4	2.1	2.1	6.5	69
GLF-132M1-6	4.0	5.5	960	86.8	0.76	9.8	2.1	2.1	6.5	69
GLF-132M2-6	5.5	7.5	965	88.0	0.77	12.9	2.1	2.1	6.5	69

安装及外形尺寸 INSTALLATION AND OVERALL DIMENSIONS



机座号	功率(kw)	D	D1	L1	L2	E	P	M	N	T	S	n	G	F	AC	AD	I								
																	直连电机	1级电机	2级电机	3级电机					
D71K4	0.18	10	14	36	17	18.5	120	100	80	3	6.6	4	8.6	2	150	108	293	345	333	402					
D71C4	0.25			41.5			160	130	110	3.5	9														
D71D4	0.37			47.5			200	165	130	3.5	11														
D80K4	0.55	12	17	36	19	20.5	120	100	80	3	6.6	4	10	3	165	115	315	368	353	405					
S	S			41.5			160	130	110	3.5	9														
D80N4	0.75			47.5			200	165	130	3.5	11														
				52.5			250	215	180	4	14														
D90S4	1.1	14	20	36	21	22.5	120	100	80	3	6.6	4	12	3	180	123	354	406	383	462					
S	S			41.5			160	130	110	3.5	9														
D90L4	1.5			47.5			200	165	130	3.5	11														
				53.5			250	215	180	4	14														
D100M4	2.2	16	22	36	24	26	120	100	80	3	6.6	4	13.4	4	210	136	412	469	435	525					
S	S			44			160	130	110	3.5	9														
D100L4	3			52			200	165	130	3.5	11														
				56			250	215	180	4	14														
				62			300	265	230	4	14														
		68	350	300	250	5	18																		
D112M4	4	18	25	44	27.2	29	160	130	110	3.5	9	4	15.4	4	232	150	441	504	464	554					
				53			200	165	130	3.5	11														
				58			250	215	180	4	14														
				63			300	265	230	4	14														
				69			350	300	250	5	18														
D132S4	5.5	22	30	44	34.2	36	160	130	110	3.5	9	4	18.5	5	275	160	490	558	518	625					
S	S			56			200	165	130	3.5	11														
D132M4	7.5			61			250	215	180	4	14														
S	S			66			300	265	230	4	14														
D132L4	9.2			72			350	300	250	5	18														
		79	400	350	300	5	18																		
		87	450	400	350	5	18																		
D160M4	11	28	36	61	37.5	41	200	165	130	3.5	11	4	23.9	6	330	255	160M:	160M:	160M:	160M:					
				66			250	215	180	4	14						587	677	625	694					
D160L4	15			71			300	265	230	4	14						8	160L:	160L:	160L:	160L:				
(铸铁壳)				77			350	300	250	5	18											631	721	669	738
				84			400	350	300	5	18														
		92	450	400	350	5	18																		
		100	550	450	450	5	18																		
D180M4	18.5	32	40	66	37.5	41	250	215	180	4	14	4	27.3	8	380	280	180M:	180M:	180M:	180M:					
S	S			71			300	265	230	4	14						682	758	702	808					
D180L4	22			77			350	300	250	5	18						8	180L:	180L:	180L:	180L:				
(铸铁壳)				84			400	350	300	5	18											720	796	740	846
				92			450	400	350	5	18														
		100	550	500	450	5	18																		
D200L4	30	38	50	71	37.5	41	300	265	230	4	14	4	33	10	200L:	200L:	200L:	200L:	200L:	200L:					
D225S4	37			77			350	300	250	5	18				420	305	721	847	761	858					
D225M4	45			84			400	350	300	5	18				8	225机座	225机座	225S:	225S:	225S:	225S:				
(铸铁壳)				92			450	400	350	5	18											470	335	756	892
		100	550	500	450	5	18			786	922	833													

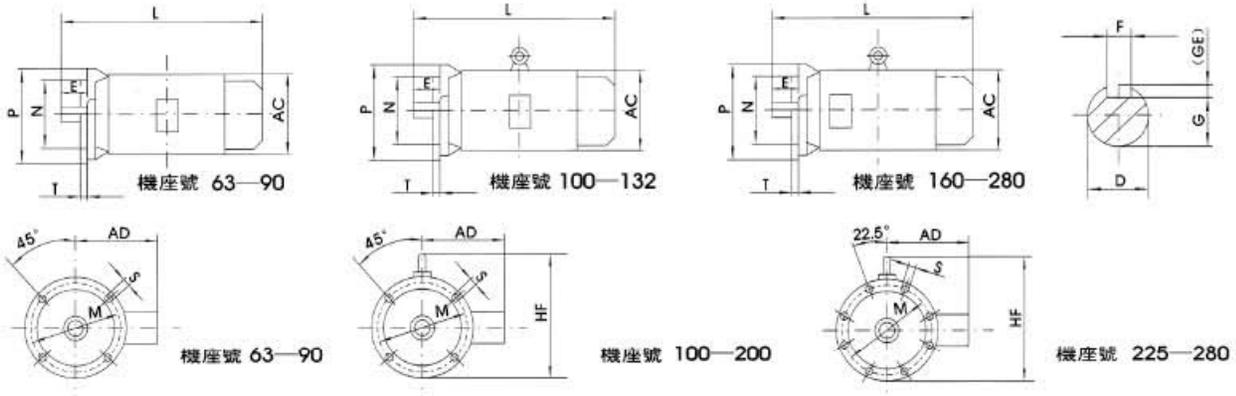
附录 I-- YE3、YVF2、YEJ2、YVPEJ 系列电机外形及安装尺寸 YE3、YVF2、YEJ2、YVPEJ Series motor mounting and overall dimensions



机座带底脚，端盖上无凸缘的电动机 Frame with foot end, shield without flange

单位：mm

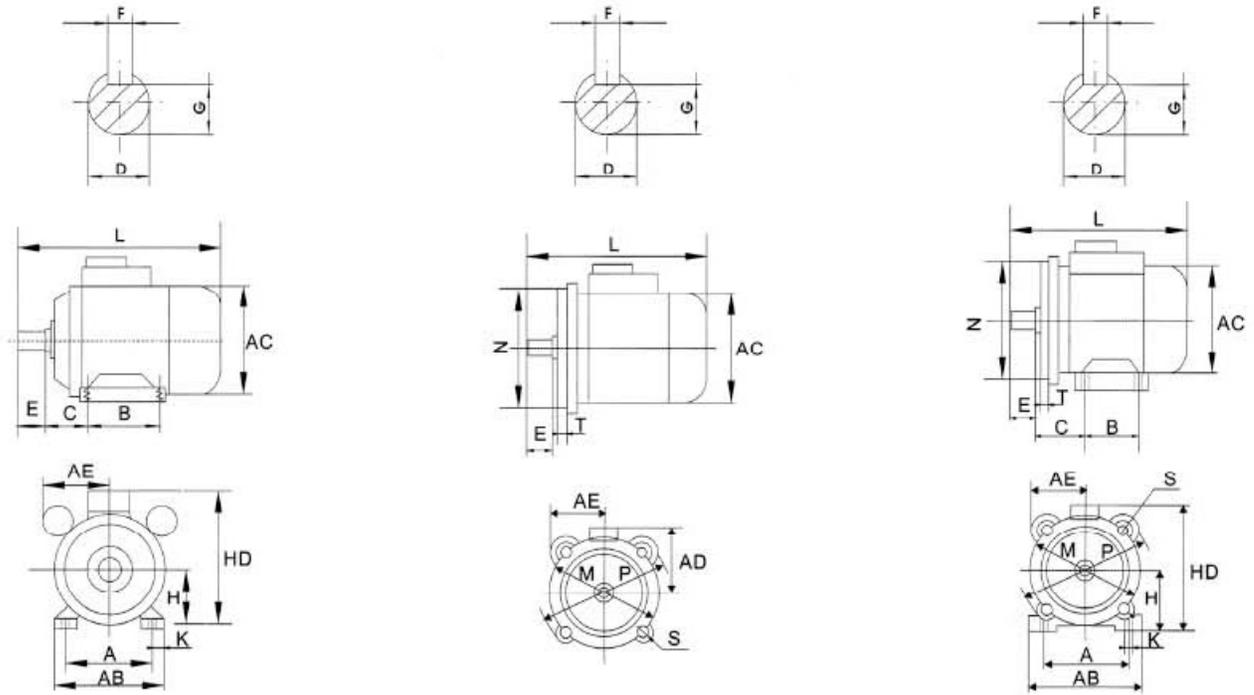
机座号 Frame size	极数 Pole	安装尺寸 Fixing Measurement										外形尺寸 Figure size													
		A	A/2	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L									
		YE2, YX3 YE3, YD2	YVF ₂	YEJ ₂																					
63M	2, 4	100	50	80	40	11	23	4	8.5	63	7	135	130	70	180	230	/	/							
71M	2, 4, 6	112	56	90	45	14	30	5	11	71		150	145	80	195	255	/	/							
80M		125	62.5	100	50	19	40	6	15.5	80		165	175	145	220	295	370	390							
90S		140	70	100	56	24	50	8	20	90	10	205	215	180	270	320	380	420							
90L	125			345												410	445								
100L	160	80	140	63	28	60	24									112	12	230	240	190	300	400	480	510	
112M	190	95	140	70							80	10	33	132	270										275
132S	2, 4, 6, 8	216	108	140	89	38	80	10	33	132	15	320	330	255	420	615									660
132M				178												510	570	625							
160M				254												127	210	108	42	110	12	37	160	355	380
160L				254							670	715	765												
180M		279	139.5	241	121	48	14	42.5	180	19	395	420	305	505	740	815	875								
180L	279			740											815	875									
200L		318	159	305	133	55									16	49	200	225	435	470	335	560	845	915	1030
225S	4, 8	356	178	286	149	60				140	18	53	225	19	490	510	370	615	815	885	1000				
225M	2			311		55	110	16	49	53	820	915							1000						
	4, 6, 8			60		18	58	845	915	1030															
250M	2			406		203	349	168	65	140	18	58		250	490	510	370	615	910	980	/				
	4, 6, 8	457	228.5	368	190	75	20	67.5					280						550	580		410	680	985	1085
280S	2																							419	75
280M	4, 6, 8	75	20	67.5	18	58	1178	1380																	
315S	2	508	254	406	216	65	170	22	71	315	24	635	645	490	800	1290	/								
	4, 6, 8, 10					80		22	71							1290		1395							
315M	2					65		140	18							58		1290	1320	1290	1320				
315L	4, 6, 8, 10					508		80	170		22	71	1320	1500	1530	1500		1530							
355M	2	610	305	560	254	75	140	20	67.5	355	28	730	710	530	880	1500	/								
	4, 6, 8, 10					95	170	25	86							1530									
	2					75	140	20	67.5							1500									
355L	4, 6, 8, 10					630	95	170	25		86	1530													

附录 III— YE3、YVF2、YEJ2、YVPEJ 系列电机外形及安装尺寸
 YE3、YVF2、YEJ2、YVPEJ Series motor mounting and overall dimensions

机座带底脚，端盖上有凸缘 (带通孔) 的电动机
 B34 B35 foot and flange mounted motor

单位 : mm

机座号 Frame size	凸缘号 Flange size	极数 Pole	安装尺寸 Fixing Measurement											外形尺寸 Figure size									
			D	E	F	G	M	N	P	R	S	T	凸缘孔数 Flange holes	AC	AD	HD	L						
																	YE3, YVF2, YEJ2, YVPEJ	YVF2	YEJ2				
63M	FF115	2、4	11	23	4	8.5	115	95	140	0	10	3	4	130	70	130	230	/	/				
71M	FF130	2、4、6	14	30	5	11	130	110	160					3.5	145	80	145	255	/	/			
80M	FF165	2、4、6、8	19	40	6	15.5	165	130	200			12			4	175	145	185	295	370	390		
90S			24	50	20	320								380		420							
90L	FF215	2、4、6、8	8	24	215	180	250	240	190			265		400	480	570	345	410	445				
100L																	215	180	245	385	465	480	
112M	FF265	2、4、6、8	38	80	10	33	265	230	300		15	4		4	470	530	585	275	210	315	510	570	625
132S																		275	210	315	510	570	625
132M	FF300	2、4、6、8	42	110	12	37	300	250	350		15	4		4	615	660	720	330	255	385	670	715	765
160M																		330	255	385	670	715	765
160L	FF350	2、4、6、8	48	110	14	42.5	300	250	350		15	4		4	700	775	825	380	280	430	740	815	875
180M																		380	280	430	740	815	875
180L	FF400	2、4、6、8	55	140	18	53	400	350	450	19	5	8	815	880	1000	420	305	480	770	850	900		
200L																420	305	480	770	850	900		
225S	FF400	4、8	60	140	16	49	400	350	450	19	5	8	815	880	1000	470	335	535	820	915	1000		
225M																470	335	535	820	915	1000		
250M	FF500	2、4、6、8	60	140	18	53	500	450	550	19	5	8	815	880	1000	510	370	595	910	980	/		
280S																510	370	595	910	980	/		
280M	FF500	2、4、6、8	65	140	20	67.5	500	450	550	19	5	8	985	1085	/	580	410	650	1035	1135	/		
280M																580	410	650	1035	1135	/		

附录 VI-- YL 系列单相双值电容异步电动机 YL Series single-phase two-value capacitor induction motor



机座带底脚，端盖上有凸缘（带通孔）的电动机 B34 B35 foot and flange mounted motor

单位：mm

机座号 Frame size	安装尺寸 Fixing Measurement																				外形尺寸 Figure size					
	IMB14. IMB34										IMB5. IMB35															
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	AE	HD
71	112	90	45	14	30	5	11	71	7	85	70	1.5	0	M6	2.5	-	-	-	-	-	145	145	140	105	180	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	2.5	-	-	-	-	-	160	165	150	120	200	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3	-	-	-	-	-	180	185	160	130	240	370
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3	-	-	-	-	-	180	185	160	130	240	400
100L	160	140	63	28	60	8	24	100	12	-	-	-	-	-	215	180	250	0	15	4	205	220	180	130	260	430
112M	190	140	70	28	60	8	24	112	12	-	-	-	-	-	215	180	250	0	15	4	245	250	190	140	300	455
132S	216	140	89	38	60	10	33	132	12	-	-	-	-	-	215	180	250	0	15	4	280	290	210	155	300	525



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