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凯捷利电机 KAIJIELI ELECTRIC

HIGH EFFICIENCY MOTOR
高效电动机

www.kg-electric.com



凯工电气（苏州）有限公司
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企业简介

COMPANY PROFILE

凯工电气，坐落于中国苏州国家级高新技术产业开发区，是一家专业电机及发电设备制造企业，凭借一流科技创新能力成为中小节能电机及系统、新能源发电设备制造的佼佼者。

多年来，凯工电气始终秉承“真诚创造价值”的理念，以国际化视野追逐智慧与技术的碰撞，在闻名遐迩的“中国中小电机之都”全资投建产品生产基地，与高等院校及科研院所建立“产学研”合作模式，拥有现代化机械装备企业科学管理系统，在产品研制与开发上具有雄厚的设备资源和强大的技术力量。借助国内外多项先进的三维和仿真技术，

先后设计开发 TWGII 系列无刷发电机、ST/STC 系列有刷发电机、FHW 系列永磁发电机焊两用机、CDF/SDF 系列三相异步电动机、YE2、YE3、YE4 系列三相异步电动机，MS、MSE2、MSE3 系列铝壳高效三相异步电动机等。

依靠领先行业的雄厚实力和创新发展的理念，公司通过全过程、可追溯的全面质量管理，实现了设计建模计算、实验验证、材料选用、工艺控制、

产品终端检验等全程系统管控，获得 ISO9001 质量管理体系认证、ISO14001 环境管理体系认证、ISO45001 职业健康安全管理体系认证，CCC，



Kaigong Electric, located in Suzhou National High tech Industrial Development Zone, China, is a professional manufacturer of motors and power generation equipment. By virtue of its first-class technological innovation capabilities, it has become a leader in the manufacturing of small and medium-sized energy-saving motors and systems, as well as new energy generation equipment.

For many years, Kaigong Electric has always adhered to the concept of "sincere creation of value", pursued the collision of wisdom and technology with an international perspective, and fully invested in the construction of product research and development production bases in the renowned "China Small and Medium sized Motor Capital". It has established a "industry university research" cooperation model with universities and research institutes, and has a modern mechanical equipment enterprise scientific management system. It has strong equipment resources and strong technical strength in product research and development. With the help of advanced 3D and simulation technologies at home and abroad, we have successively designed and developed TWGII series brushless generators, ST/STC series brushed generators, FHW series permanent magnet generator welding dual-use machines, CDF/SDF series three-phase asynchronous motors, YE2, YE3, YE4 series three-phase asynchronous motors, MS, MSE2, MSE3 series aluminum shell high-efficiency three-phase asynchronous motors, etc.



Relying on the strong strength of leading industries and the concept of innovative development, the company has achieved full process and traceable comprehensive quality management, realizing full system control of design modeling calculation, experimental verification, material selection, process control, product terminal inspection, etc. It has obtained ISO9001 quality management system certification, ISO14001 environmental management system certification, ISO45001 occupational health and safety management system certification, CCC, CE, GS, SGS and other product certifications, and has obtained dozens of national patents. As a well-known brand in the industry, its "Kaijeli" trademark has become a recommended and recognized brand by many customers at home and abroad. Our products are exported to dozens of countries and regions such as Europe, America, Southeast Asia, the Middle East, and Africa, and have directly or indirectly established long-term partnerships with large enterprises such as China Shenhua, China Telecom, China Petroleum, China Construction, and Shanghai Corporation! Be resolute and diligent, and never slack off in your actions. In the future, Kaigong Electric will continue to devote itself to deep cultivation, focusing on the research and production of high-energy and low-power generators and high-efficiency energy-saving motors, paying tribute to dreams with professionalism, and continuously providing stronger power sources for the world.

高效电动机

HIGH EFFICIENCY MOTOR



IE1

IE2

IE3

IE4

总体描述 GENERAL DESCRIPTION

我司开发的 IE3 高效节能电机 (中国的 3 级能效) 和 IE4 超高效节能电机 (中国的 2 级能效) 是根据 IEC60034-30-1:2020 及中国的 GB18163-2020 标准的能效等级自主设计的节能产品。IE3, IE4 效能标准是全球统一的电机能效等级。一个优化系统中的总节能潜力预计可达到 30% 到 60%。

IE3, IE4 节能电机按 IEC60034-1 旋转电机第一部分 : 等级和性能及 IEC60034-2-1 旋转电机第 2-1 部分 : 旋转电机的损耗和实验测试方法。该能效等级电机基本符合和达到 NEMA, CSA, CEMEP, COPANT, AS, NZS, JIS, GB 等能效标准。是目前全球最权威的能效等级标准。

(IE3, GB3)、(IE4, GB2) 节能电机 50Hz, 60Hz, 1000V 以下, S1 工作制, 2P, 4P, 6P, 8P 电机, 功率范围 0.12kW-1000kW, 所涉及的功率范围广泛, 是最理想的高效节能产品。电机可广泛应用于水泵、风机、机床、减速机、包装机械、矿山机械、建筑机械等各类传动机械行业。

The IE3 energy efficient motors (Energy Efficiency Class 3 in China) and IE4 ultra energy efficient motors (Energy Efficiency Class 2 in China) developed by our company are energy saving products independently designed according to the energy efficiency classes of IEC 60034-30-1:2020 and Chinese GB18163-2020. The IE3 and IE4 efficiency standards are globally harmonized energy efficiency classes for electric motors. The total energy saving potential in an optimized system is expected to be between 30% and 60%.

IE3, IE4 energy efficient motors are tested according to IEC60034-1 Rotating Motors Part 1: Design and performance and IEC60034-2-1 Rotating motors part 2-1: Losses and experimental test methods for rotating motors. The energy efficiency class motors basically

conform to and meet the energy efficiency standards of NEMA, CSA, CEMEP, COPANT, AS, NZS, JIS, GB and so on. It is the most authoritative energy efficiency rating standard in the world.

(IE3, GB3), (IE4, GB2) energy saving motors 50Hz, 60Hz, below 1000V, S1 working system, 2P, 4P, 6P, 8P motors, the power range 0.12kW-1000kW, the power involved in a wide range of products, is the most ideal high efficiency energy saving products. The motors can be widely used in pumps, fans, machine tools, gear reducers, packaging machinery, mining machinery, construction machinery and other types of power transmission machinery industry.

使用条件

- 环境空气温度: -15°C ≤ θ ≤ 40°C
- 海拔: 不超过 1000 米
- 额定电压: 220/380V, 230/400V, 380/660V, 400/690V
- 额定频率: 50Hz 或 60Hz
- 接法: 3kW 及以下规格为 Y 接法, 4kW 及以上规格为△接法
- 工作方法: 连续 (S1)
- 绝缘等级: F, 绕组定子温升考核 80K
- 防护等级: 机壳 IP54、IP55, 接线盒 IP55
- 冷却方式: IC411

- Ambient Temperature: -15°C ≤ θ ≤ 40°C
- Altitude: up to 1000m above sea level
- Rated Voltage: 220/380V, 230/400V, 380/660V, 400/690V
- Rated Frequency: 50Hz or 60Hz
- Connection: Star for 3kW and below, Delta for 4kW and above
- Duty Type: Continuous (S1)
- Insulation Class: F with a temperature rise 80K
- Protection Degree: IP54 or IP55 for motor body, IP55 for terminal box
- Cooling Method: IC411

OPERATING CONDITIONS





高效电动机
HIGH EFFICIENCY MOTOR



IE1 效率限制值 EFFICIENCY

50Hz/60Hz

Nominal efficiency limits(%) for 50Hz IE1 50Hz IE1 额定效率限值 (%)				Nominal efficiency limits(%) for 60Hz IE1 60Hz IE1 额定效率限值 (%)					
P _N kW	Number of poles/synchronous speed 极数 / 同步转速			P _N kW	Number of poles/synchronous speed 极数 / 同步转速				
	2/3000	4/1500	6/1000		2/3600	4/1800	6/1200	8/900	
0.12	45.0	50.0	38.3	31.0	0.12	57.5	62.0	48.0	36.0
0.18	52.8	57.0	45.5	38.0	0.18	62.0	66.0	52.5	40.0
0.2	54.6	58.5	47.6	39.7	0.25	64.0	68.0	57.5	50.5
0.25	58.2	61.5	52.1	43.4	0.37	70.0	70.0	62.0	57.5
0.37	63.9	66.0	59.7	49.7	0.55	72.0	74.0	66.0	59.5
0.4	64.9	66.8	61.1	50.9	0.75	74.0	77.0	72.0	64.0
0.55	69.0	70.0	65.8	56.1	1.1	78.5	79.0	75.0	73.5
0.75	72.1	72.1	70.0	61.2	1.5	81.0	81.5	77.0	77.0
1.1	75.0	75.0	72.9	66.5	2.2	81.5	83.0	78.5	78.0
1.5	77.2	77.2	75.2	70.2	3.7	84.5	85.0	83.5	80.0
2.2	79.7	79.7	77.7	74.2	5.5	86.0	87.0	85.0	84.0
3	81.5	81.5	79.7	77.0	7.5	87.5	87.5	86.0	85.0
4	83.1	83.1	81.4	79.2	11	87.5	88.5	89.0	87.5
5.5	84.7	84.7	83.1	81.4	15	88.5	89.5	89.5	88.5
7.5	86.0	86.0	84.7	83.1	18.5	89.5	90.5	90.2	88.5
11	87.6	87.6	86.4	85.0	22	89.5	91.0	91.0	90.2
15	88.7	88.7	87.7	86.2	30	90.2	91.7	91.7	90.2
18.5	89.3	89.3	88.6	86.9	37	91.5	92.4	91.7	91.0
22	89.9	89.9	89.2	87.4	45	91.7	93.0	91.7	91.0
30	90.7	90.7	90.2	88.3	55	92.4	93.0	92.1	91.5
37	91.2	91.2	90.8	88.8	75	93.0	93.2	93.0	92.0
45	91.7	91.7	91.4	89.2	90	93.0	93.2	93.0	92.5
55	92.1	92.1	91.9	89.7	110	93.0	93.5	94.1	92.5
75	92.7	92.7	92.6	90.3	150~1000	94.1	94.5	94.1	92.5
90	93.0	93.0	92.9	90.7					
110	93.3	93.3	93.3	91.1					
132	93.5	93.5	93.5	91.5					
160	93.8	93.8	93.8	91.9					
200	94.0	94.0	94.0	92.5					
250	94.0	94.0	94.0	92.5					
315	94.0	94.0	94.0	92.5					
355	94.0	94.0	94.0	92.5					
400	94.0	94.0	94.0	92.5					
450	94.0	94.0	94.0	92.5					
500~1000	94.0	94.0	94.0	92.5					

IE2 效率限制值 EFFICIENCY

50Hz/60Hz

Nominal efficiency limits(%) for 50Hz IE2 50Hz IE2 额定效率限值 (%)				Nominal efficiency limits(%) for 60Hz IE2 60Hz IE2 额定效率限值 (%)					
P _N kW	Number of poles/synchronous speed 极数 / 同步转速			P _N kW	Number of poles/synchronous speed 极数 / 同步转速				
	2/3000	4/1500	6/1000		2/3600	4/1800	6/1200	8/900	
0.12	53.6	59.1	50.6	39.8	0.12	59.5	64.0	50.5	40.0
0.18	60.4	64.7	56.6	45.9	0.18	64.0	68.0	55.0	46.0
0.2	61.9	65.9	58.2	47.4	0.25	68.0	70.0	59.5	52.0
0.25	64.8	68.5	61.6	50.6	0.37	72.0	72.0	64.0	58.0
0.37	69.5	72.7	67.6	56.1	0.55	74.0	75.5	68.0	62.0
0.4	70.4	73.5	68.8	57.2	0.75	75.5	78.0	73.0	66.0
0.55	74.1	77.1	73.1	61.7	1.1	82.5	84.0	85.5	75.5
0.75	77.4	79.6	75.9	66.2	1.5	84.0	84.0	86.5	82.5
1.1	79.6	81.4	78.1	70.8	2.2	85.5	87.5	87.5	84.0
1.5	81.3	82.8	79.8	74.1	3.7	87.5	87.5	87.5	85.5
2.2	83.2	84.3	81.8	77.6	5.5	88.5	89.5	89.5	85.5
3	84.6	85.5	83.3	80.0	7.5	89.5	89.5	89.5	88.5
4	85.8	86.6	84.6	81.9	11	90.2	91.0	90.2	88.5
5.5	87.0	87.7	86.0	83.8	15	90.2	91.0	90.2	89.5
7.5	88.1	88.7	87.2	85.3	18.5	91.0	92.4	91.7	89.5
11	89.4	89.8	88.7	86.9	22	91.0	92.4	91.7	91.0
15	90.3	90.6	89.7	88.0	30	91.7	93.0	93.0	91.0
18.5	90.9	91.2	90.4	88.6	37	92.4	93.0	93.0	91.7
22	91.3	91.6	90.9	89.1	45	93.0	93.6	93.6	91.7
30	92.0	92.3	91.7	89.8	55	93.0	94.1	93.6	93.0
37	92.5	92.7	92.2	90.3	75	93.6	94.5	94.1	93.0
45	92.9	93.1	92.7	90.7	90	94.5	94.5	94.1	93.0
55	93.2	93.5	93.1	91.0	110	94.5	95.0	95.0	93.0
75	93.8	94.0	93.7	91.6	150	95.0	95.0	93.6	93.0
90	94.1	94.2	94.0	91.9	185	95.4	95.0	93.6	93.0
110	94.3	94.5	94.3	92.3	220~335	95.4	95.4	95.0	93.6
132	94.6	94.7	94.6	92.6	375~1000	95.4	95.8	95.0	94.1
160	94.8	94.9	94.8	93.0					
200~1000	95.0	95.1	95.0	93.5					

高效电动机
HIGH EFFICIENCY MOTOR

IE3 (3 级能效 GB3) 效率限制值 EFFICIENCY



高效电动机
HIGH EFFICIENCY MOTOR

IE5 (1 级能效 GB1) 效率限制值 EFFICIENCY

50Hz

Nominal efficiency limits(%) for 50Hz IE5
50Hz IE5 额定效率限值 (%)

P _N kW	Number of poles/synchronous speed 极数 / 同步转速				P _N kW	Number of poles/synchronous speed 极数 / 同步转速			
	2/3000	4/1500	6/1000	8/750		2/3000	4/1500	6/1000	8/750
0.12	71.4	74.3	69.8	67.4	11	94.0	94.6	93.7	92.2
0.18	75.2	78.7	74.6	71.9	15	94.5	95.1	94.3	92.9
0.20	76.2	79.6	75.7	73.0	18.5	94.9	95.3	94.6	93.3
0.25	78.3	81.5	78.1	75.2	22	95.1	95.5	94.9	93.6
0.37	81.7	84.3	81.6	78.4	30	95.5	95.9	95.3	94.1
0.40	82.3	84.8	82.2	78.9	37	95.8	96.1	95.6	94.4
0.55	84.6	86.7	84.2	80.6	45	96.0	96.3	95.8	94.7
0.75	86.3	88.2	85.7	82.0	55	96.2	96.5	96.0	94.9
1.1	87.8	89.5	87.2	84.0	75	96.5	96.7	96.3	95.3
1.5	88.9	90.4	88.4	85.5	90	96.6	96.9	96.5	95.5
2.2	90.2	91.4	89.7	87.2	110	96.8	97.0	96.6	95.7
3	91.1	92.1	90.6	88.4	132	96.9	97.1	96.8	95.9
4	91.8	92.8	91.4	89.4	160	97.0	97.2	96.9	96.1
5.5	92.6	93.4	92.2	90.4	200	97.2	97.4	97.0	96.3
7.5	93.3	94.0	92.9	91.3	250	97.2	97.4	97.0	96.3
			315-1000			97.2	97.4	97.0	96.3

机座和端盖材料 FRAMES AND END-SHIELDS MATERIAL

轴承规格

机座号范围 Frame size	极数 Poles	BEARING SIZE			
		铸铁壳 Cast Iron Housing	铝壳 Aluminum Housing	铸铁壳 Cast Iron Housing	铝壳 Aluminum Housing
63	2, 4	—	6201-C3	—	6201-C3
71	2, 4, 6, 8	—	6202-C3	—	6202-C3
80	2, 4, 6, 8	6204-C3	6204-C3	6204-C3	6204-C3
90	2, 4, 6, 8	6205-C3	6205-C3	6205-C3	6205-C3
100	2, 4, 6, 8	6206-C3	6206-C3	6206-C3	6206-C3
112	2, 4, 6, 8	6206-C3	6306-C3	6206-C3	6306-C3
132	2, 4, 6, 8	6208-C3	6308-C3	6208-C3	6308-C3
160	2, 4, 6, 8	6309-C3	6309-C3	6309-C3	6309-C3
180	2, 4, 6, 8	6311-C3	—	6211-C3	—
200	2, 4, 6, 8	6312-C3	—	6212-C3	—
225	2, 4, 6, 8	6313-C3	—	6312-C3	—
250	2, 4, 6, 8	6314-C3	—	6313-C3	—
280	2	6314-C3	—	6314-C3	—
	4, 6, 8	6317-C3	—	6314-C3	—
315	2	6317-C3	—	6317-C3	—
	4, 6, 8, 10	6319-C3	—	6317-C3	—
355	2	6319-C3	—	6319-C3	—
	4, 6, 8, 10	NU322	—	6322-C3	—

接线盒出线孔

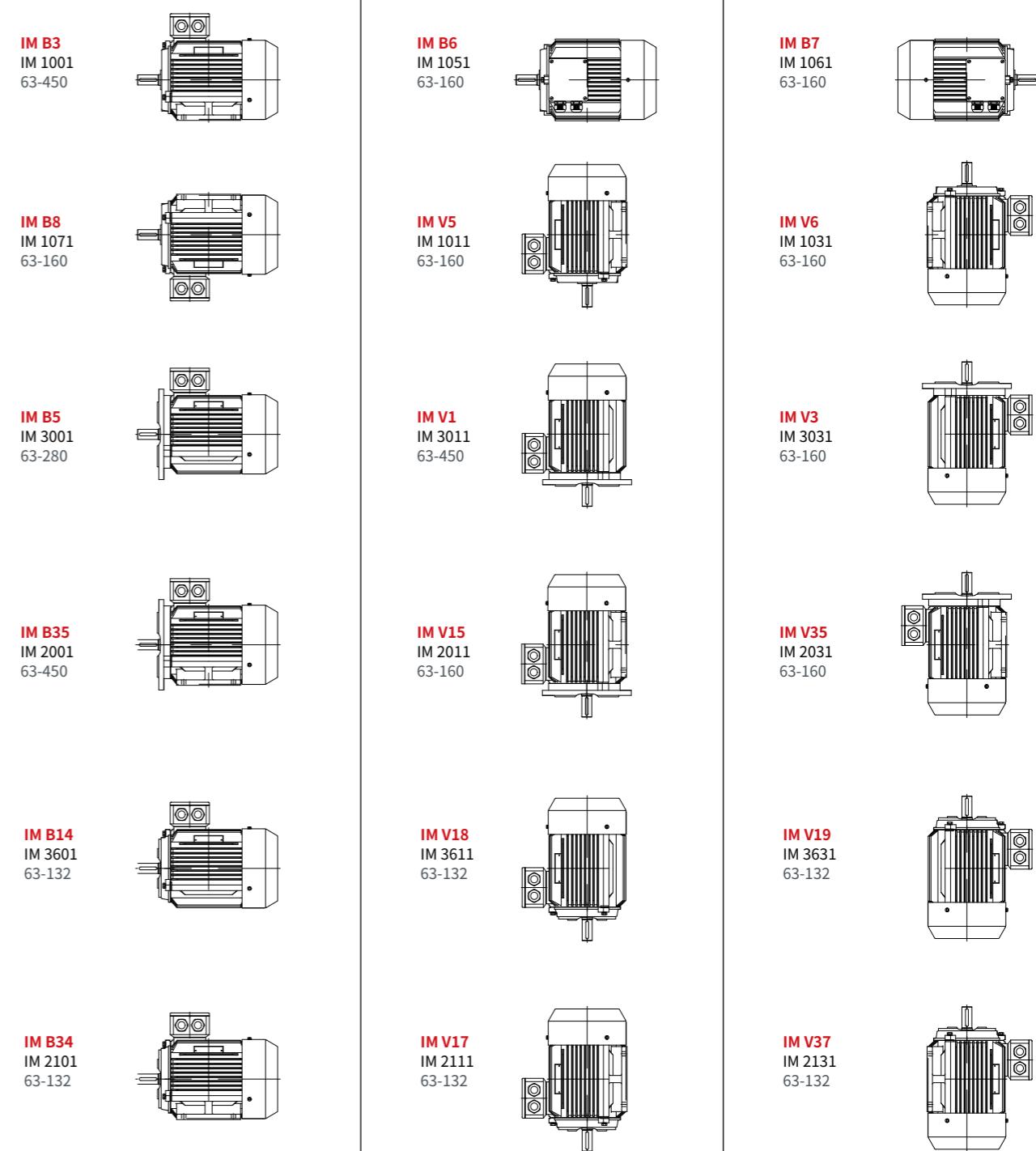
接线盒分档 Classified No	电机规格 Frame Size	最大满载电流 MAX.FL.AMPS	出线孔尺寸 Entry Size
1	H63-80	2.6	1×M20×1.5
2	H90-100	6.8	1×M20×1.5
3	H112-132	15.4	2×M25×1.5
4	H160-180	42.5	2×M32×1.5
5	H200-225	84.2	2×M40×1.5
6	H250-280	166.6	2×M63×1.5
7	H315	358	2×M63×1.5
8	H355	546	2×M63×1.5

高效电动机
HIGH EFFICIENCY MOTOR

安装方式
MOUNTING ARRANGEMENT

基本结构型式
Fundamental arrangement
安装方式
Mounting arrangement
制造范围 (机座号)
Range of manufacture (frame size)

示意图
DIAGRAM





高效电动机
HIGH EFFICIENCY MOTOR



参考标准
REFERENCE STANDARDS

电动机符合以下电气和机械标准：
Motor complies with the following electrical and mechanical standards:

名称 Title	IEC 标准 IEC Standard	中国国际标准 Chinese Standard
旋转电动机定额和性能 Rotating electrical machines-Part 1: Rating and performance	IEC 60034-1	GB 755
旋转电动机损耗与效率确定的标准测试方法 Rotating electrical machines-Part 2-1: Standard methods for determining losses and efficiency from tests(excluding machines for traction vehicles)	IEC 60034-2	GB/T 1032
旋转电机整体结构的防护等级 (IP 代码) 分级 Rotating electrical machines-Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code)-Classification	IEC 60034-5	GB/T 4942.1
旋转电动机冷却方法 Rotating electrical machines-Part 6: Methods of cooling (IC Code)	IEC 60034-6	GB/T 1993
旋转电动机结构型式、安装型式及接线盒位置的分类 (IM 代码) Rotating electrical machines-Part 7: Classification of types of construction, mounting arrangements and terminal box position (IM Code)	IEC 60034-7	GB/T 997
旋转电动机旋转电机线端标志与旋转方向 Rotating electrical machines-Part 8: Terminal markings and direction of rotation	IEC 60034-8	GB/T 1971
旋转电机噪声测定方法及限值 第 9 部分：噪声限值 Rotating electrical machines-Part 9: Noise limits	IEC 60034-9	GB 10069.3
轴中心高为 56mm 及以上电机的机械振动 振动的测量、评定及限值 Rotating electrical machines-Part 14: Mechanical vibration of certain machines with shaft heights 56 mm and higher-Measurement, evaluation and limits of vibration severity	IEC 60034-14	GB 10068
旋转电机尺寸和输出功率等级 第 1 部分：机座号 56~400 和凸缘号 55~1080 Rotating electrical machines-Part 1: Frame numbers 56 to 400 and flange numbers 55 to 1080	IEC 60072-1	GB/T 4772.1
中小型旋转电机安全要求 Safety requirements of small and medium size rotating electrical machines		GB 14711
旋转电动机温升 Electrical insulation-Thermal classification	IEC 60085	GB/T 11021
电工电子产品自然环境条件 温度和湿度 Classification of environmental conditions Part 2-1: Environmental conditions appearing in nature-Temperature and humidity	IEC 60072-2-1	GB/T 4797.1
标准电压 Standard voltages	IEC 60038	GB/T 156

高效电动机
HIGH EFFICIENCY MOTOR

保护等级
PROTECTION CLASSES

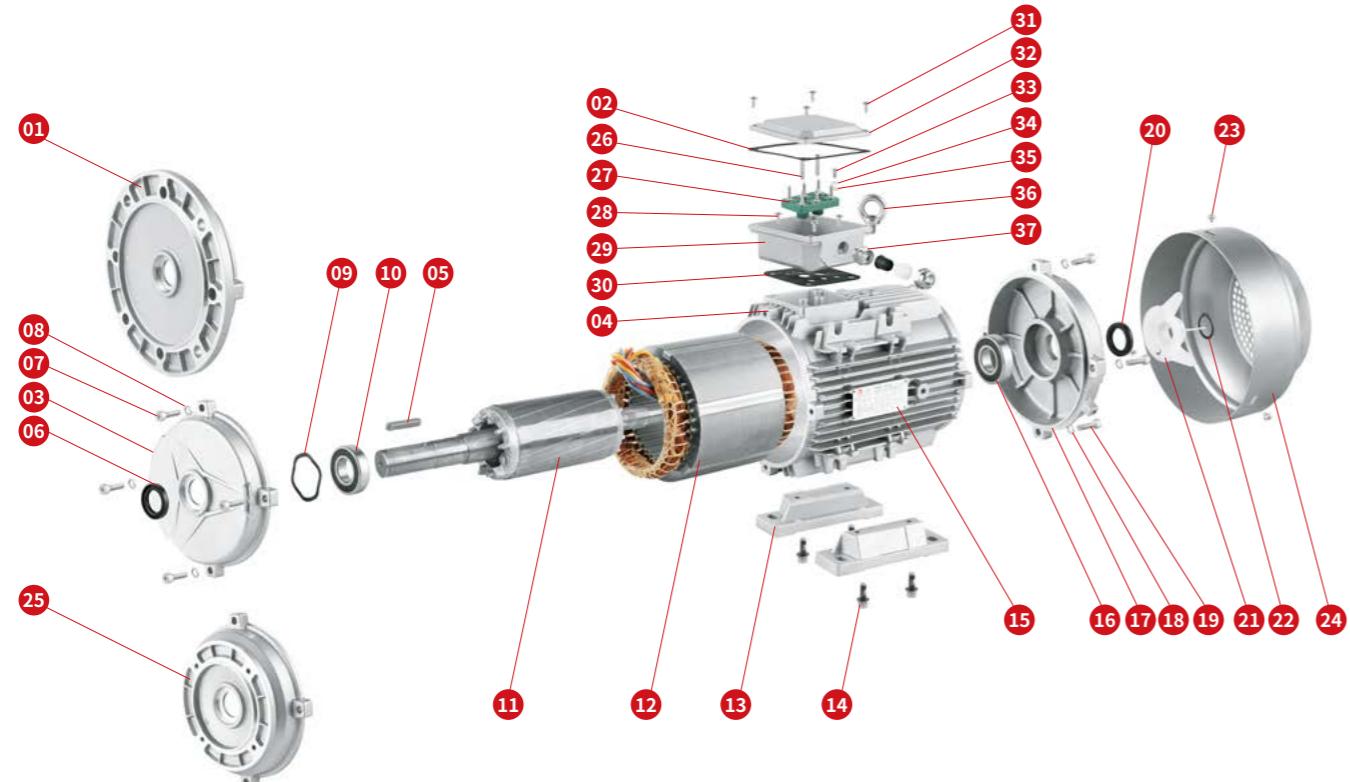
我们的电机按照 IEC 60034-5 标准制造，可防止灰尘和液体喷溅。我们的标准电机防护等级为 IP 55。其他防护等级可根据要求提供。

如下表所示，IP (侵入等级) 图中的第一位数字表示对固体物质的防护等级。第二位数字表示对液体材料的防护。

Our motors are manufactured according to the IEC 60034-5 standard, protecting them against dust and squirting liquids. Our standard motors are manufactured in IP 55 protection class. Other protection available upon request. As shown in the below table, the first digit in the IP (Ingress Progress) diagram describes the protection against solid materials. The second digit shows the protection against liquid materials.

IP 5 5			
对固体材料的防护 Protection Against Solid Materials	第一位数字 First Number	第二重保护 Second Protection	对液体材料的防护 Protection Against Liquid Materials
无防护 Unprotected	0	0	无防护 Unprotected
防护大于 50 毫米的固体 Protection against objects greater than 50 mm	1	1	防止垂直落下的水滴 Protection against water coming vertically
防护大于 12 毫米的固体 Protection against objects greater than 12 mm	2	2	防止与垂直线成 15°角范围内的滴水 Protection against water coming vertically up to 15° angle
防护大于 2.5 毫米的固体 Protection against objects greater than 2.5 mm	3	3	防止与与垂直线成 60°角范围内的滴水 Protection against water coming vertically up to 60° angle
防护大于 1 毫米的固体 Protection against objects greater than 1 mm	4	4	防溅，任何方向的溅水 Protection against water splashing from all directions
防止灰尘进入 Protection against dust	5	5	防喷水，任何方向的喷水 Protection against water squirting from all directions
尘密，能完全防止灰尘进入壳内 Complete protection against dust	6	6	防强力喷水，任何方向的强力喷水 Protection against powerful water squirting from all directions from all directions
	7	7	0.15m 至 1m 之间的临时浸水防护 Protection against temporary water submersion between 0.15m and 1m
	8	8	防止永久性浸水 Protection against permanent water submersion

电动机分解图
MOTOR EXPLODED VIEW

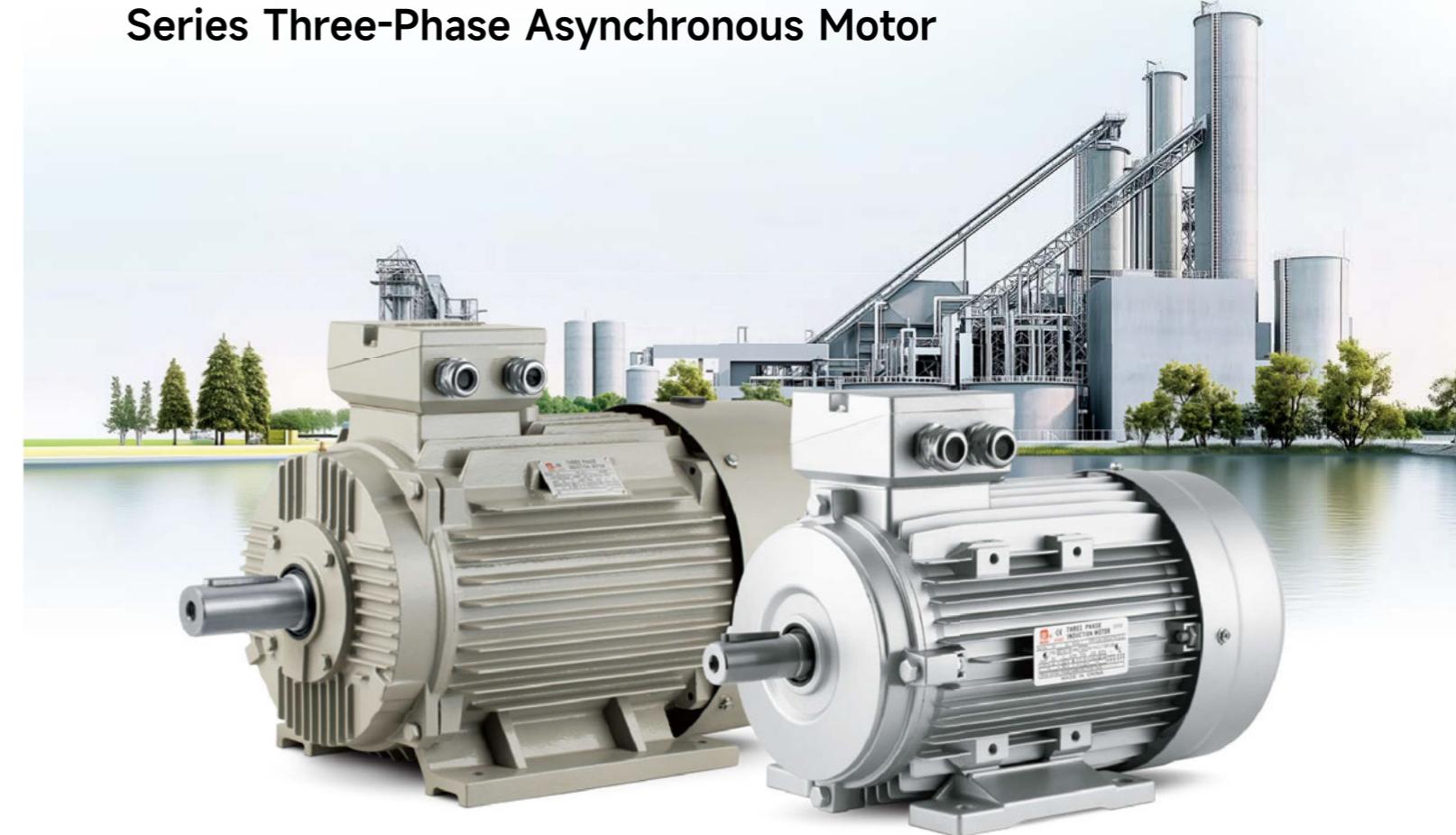


零部件清单

PARTS LIST					
序号 No.	名称 Description	序号 No.	名称 Description	序号 No.	名称 Description
01	B5 法兰 B5 Flange	14	螺栓 Bolt	27	接线板 Terminal Block
02	接线盒密封圈 Terminal Seal	15	铭牌 Nameplate	28	螺丝 Screw
03	前端盖 B3 Front endshield B3	16	轴承 Bearing	29	接线盒座 Terminal Box Base
04	机座 Frame	17	后盖 End Cover	30	垫片 Washer
05	平键 Key	18	弹簧垫圈 Spring Washer	31	螺丝 Screw
06	密封圈 Seal	19	螺栓 Bolt	32	接线盒盖 Terminal Box Lid
07	螺栓 Bolt	20	密封圈 Seal	33	螺丝 Screw
08	弹簧垫圈 Spring Washer	21	风叶 Fan	34	垫圈 Washer
09	波形圈 Wave Washer	22	风叶卡簧 Fan Clamp	35	弹簧垫圈 Spring Washer
10	轴承 Bearing	23	螺丝 Screw	36	吊环 Lifting Ring
11	转子 Rotor	24	风罩 Fan Cover	37	接线盒出线螺套 Terminal Box Plug Screw
12	定子 Stator	25	B14 法兰 B14 Flange		
13	底脚 Feet	26	螺丝 Screw		

CDF (IE1)

系列三相异步电动机
Series Three-Phase Asynchronous Motor

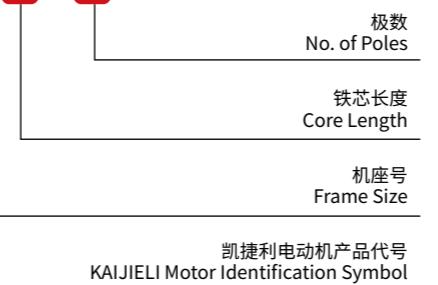


铁壳系列
Cast iron housing series

铝壳系列
Aluminum housing series

型号说明
TYPE DEFINITION

CDF - 112 M - 2





高效电动机
HIGH EFFICIENCY MOTOR

CDF (IE1) 技术参数 TECHNICAL DATA

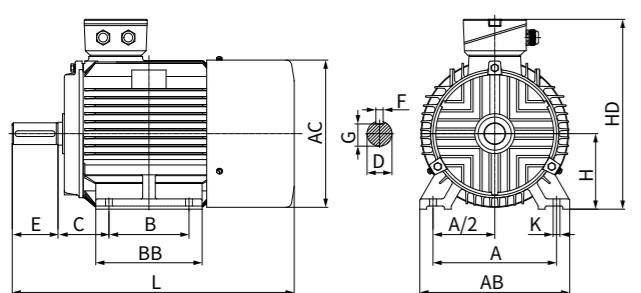
型号 Type No.	额定功率 Rated output		额定转速 Rated speed (r/min)	效率 Efficiency η% (IE1)	效率 75% 负载 Efficiency at 75% load		效率 50% 负载 Efficiency at 50% load		功率因数 Power factor cosΦ	额定电流 Rated current(A)		额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn	最大转矩 额定转矩 Tmax/Tn	堵转电流 额定电流 Is/In	
	kW	HP			380V	400V	380V	400V		380V	400V					
SPEED 3000RPM 2-POLE																
CDF-631-2	0.18	0.25	2720	52.8	52.8	51.7	0.80	0.65	0.62	0.59	0.63	2.3	2.2	5.5		
CDF-632-2	0.25	0.37	2720	58.2	58.2	57.0	0.81	0.81	0.77	0.74	0.88	2.3	2.2	5.5		
CDF-711-2	0.37	0.5	2740	63.9	63.9	62.6	0.81	1.09	1.03	0.99	1.29	2.3	2.2	6.1		
CDF-712-2	0.55	0.75	2740	69.0	69.0	67.6	0.82	1.48	1.4	1.35	1.92	2.3	2.3	6.1		
CDF-801-2	0.75	1	2840	72.1	72.1	70.7	0.83	1.9	1.81	1.74	2.52	2.2	2.3	6.1		
CDF-802-2	1.1	1.5	2840	75.0	75.0	73.5	0.84	2.65	2.52	2.43	3.7	2.2	2.3	6.9		
CDF-90S-2	1.5	2	2840	77.2	77.2	75.7	0.84	3.51	3.34	3.22	5.04	2.2	2.3	7.0		
CDF-90L-2	2.2	3	2840	79.7	79.7	78.1	0.85	4.93	4.69	4.52	7.4	2.2	2.3	7.0		
CDF-100L-2	3	4	2860	81.5	81.5	79.9	0.87	6.43	6.11	5.89	10.02	2.2	2.3	7.5		
CDF-112M-2	4	5.5	2880	83.1	83.1	81.4	0.88	8.31	7.9	7.61	13.3	2.2	2.3	7.5		
CDF-132S1-2	5.5	7.5	2900	84.7	84.7	83.0	0.86	11.5	10.9	10.5	18.1	2.2	2.3	7.5		
CDF-132S2-2	7.5	10	2900	86.0	86.0	84.3	0.88	15.1	14.3	13.8	24.7	2.2	2.3	7.5		
CDF-160M1-2	11	15	2930	87.6	87.6	85.8	0.89	21.4	20.4	19.6	35.9	2.2	2.3	7.5		
CDF-160M2-2	15	20	2930	88.7	88.7	86.9	0.89	28.9	27.4	26.4	48.9	2.2	2.3	7.5		
CDF-160L-2	18.5	25	2930	89.3	89.3	87.5	0.90	35	33.2	32	60.3	2.2	2.3	7.5		
CDF-180M-2	22	30	2940	89.9	89.9	88.1	0.90	41.3	39.2	37.8	71.5	2.0	2.3	7.5		
CDF-200L1-2	30	40	2950	90.7	90.7	88.9	0.90	55.8	53	51.1	97.1	2.0	2.3	7.5		
CDF-200L2-2	37	50	2950	91.2	91.2	89.4	0.90	68.5	65.1	62.7	119.8	2.0	2.3	7.5		
CDF-225M-2	45	60	2960	91.7	91.7	89.9	0.90	82.8	78.7	75.9	145.2	2.0	2.3	7.5		
CDF-250M-2	55	75	2965	92.1	92.1	90.3	0.90	101	95.8	92.3	177.2	2.0	2.3	7.5		
CDF-280S-2	75	100	2970	92.7	92.7	90.8	0.90	137	130	125	241.2	2.0	2.3	7.0		
CDF-280M-2	90	125	2970	93.0	93.0	91.1	0.91	162	153	148	289.4	2.0	2.3	7.1		
CDF-315S-2	110	150	2975	93.3	93.3	91.4	0.91	197	187	180	353.1	1.8	2.2	7.1		
CDF-315M-2	132	180	2975	93.5	93.5	91.6	0.91	236	224	216	423.7	1.8	2.2	7.1		
CDF-315L1-2	160	200	2975	93.8	93.8	91.9	0.92	282	268	258	513.6	1.8	2.2	7.1		
CDF-315L2-2	200	270	2975	94.0	94.0	92.1	0.92	351	334	322	642	1.8	2.2	7.1		
CDF-355M-2	250	340	2980	94.0	94.0	92.1	0.92	439	417	402	801.2	1.6	2.2	7.1		
CDF-355L-2	315	430	2980	94.0	94.0	92.1	0.92	553	526	507	1009.5	1.6	2.2	7.1		
SPEED 1500RPM 4-POLE																
CDF-631-4	0.12	0.18	1310	50.0	50.0	49.0	0.72	0.51	0.48	0.46	0.87	2.1	2.2	4.4		
CDF-632-4	0.18	0.25	1310	57.0	57.0	55.9	0.73	0.66	0.62	0.6	1.31	2.1	2.2	4.4		
CDF-711-4	0.25	0.37	1330	61.5	61.5	60.3	0.74	0.83	0.79	0.76	1.8	2.1	2.2	5.2		
CDF-712-4	0.37	0.5	1330	66.0	66.0	64.7	0.75	1.14	1.08	1.04	2.66	2.1	2.2	5.2		
CDF-801-4	0.55	0.75	1390	70.0	70.0	68.6	0.75	1.59	1.51	1.46	3.78	2.4	2.3	5.2		
CDF-802-4	0.75	1	1390	72.1	72.1	70.7	0.76	2.08	1.98	1.9	5.15	2.3	2.3	6.0		
CDF-90S-4	1.1	1.5	1390	75.0	75.0	73.5	0.77	2.89	2.75	2.65	7.56	2.3	2.3	6.0		
CDF-90L-4	1.5	2	1390	77.2	77.2	75.7	0.77	3.83	3.64	3.51	10.3	2.3	2.3	6.0		
CDF-100L1-4	2.2	3	1390	79.7	79.7	78.1	0.81	5.18	4.92	4.74	15.1	2.3	2.3	7.0		
CDF-100L2-4	3	4	1410	81.5	81.5	79.9	0.82	6.82	6.48	6.25	20.3	2.3	2.3	7.0		
CDF-112M-4	4	5.5	1410	83.1	83.1	81.4	0.82	8.92	8.47	8.17	27.1	2.3	2.3	7.0		
CDF-132S-4	5.5	7.5	1435	84.7	84.7	83.0	0.83	11.9	11.3	10.9	36.6	2.3	2.3	7.0		
CDF-132M-4	7.5	10	1440	86.0	86.0	84.3	0.84	15.8	15	14.4	49.7	2.3	2.3	7.0		
CDF-160M-4	11	15	1440	87.6	87.6	85.8	0.84	22.7	21.6	20.8	73	2.2	2.3	7.0		
CDF-160L-4	15	20	1460	88.7	88.7	86.9	0.85	30.2	28.7	27.7	98.1	2.2	2.3	7.5		</



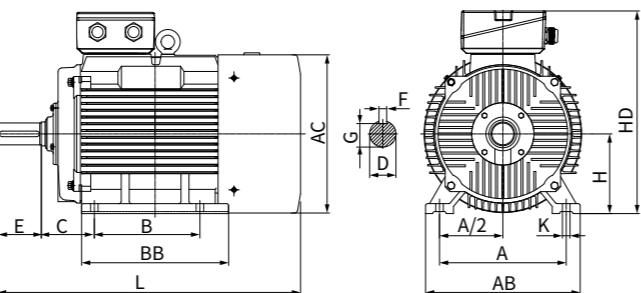
高效电动机
HIGH EFFICIENCY MOTOR

CDF (IE1) 安装及外形尺寸 MOUNTING AND OVERALL DIMENSIONS-CDF

IM B3 H63~355



H63~132



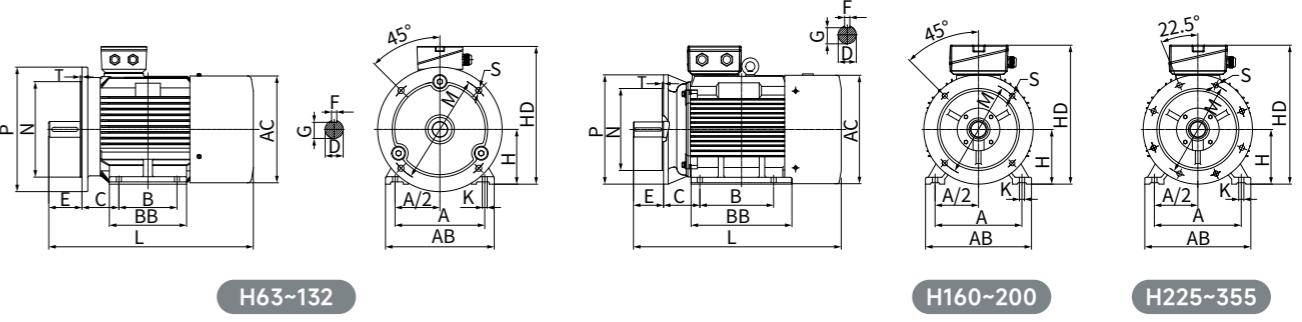
H160~355

机座带底脚，端盖上无凸缘的电动机。Frame with feet and endshield without flange.

机座号 Frame	极数 Poles	安装尺寸 Mounting Dimensions (mm)										外形尺寸 Overall Dimensions (mm)						
		A	A/2	B	C	D	E	F	G	H	K	AB	AC	BB	HD	L		
63	2, 4	100	50	80	40	11	23	4	8.5	63	7	135	130	110	180	225		
71	2, 4, 6	112	56	90	45	14	30	5	11	71	7	150	145	120	195	250		
80	2, 4, 6, 8	125	62.5	100	50	19	40	6	15.5	80	10	165	175	130	214	295		
90S	2, 4, 6, 8	140	70	100	56	24	50	8	20	90	10	180	195	130	250	315		
90L	2, 4, 6, 8	140	70	125	56	24	50	8	20	90	10	180	195	155	250	340		
100L	2, 4, 6, 8	160	80	140	63	28	60	8	24	100	12	205	215	176	270	385		
112M	2, 4, 6, 8	190	95	140	70	28	60	8	24	112	12	230	240	180	300	400		
132S	2, 4, 6, 8	216	108	140	89	38	80	10	33	132	12	270	275	186	345	470		
132M	2, 4, 6, 8	216	108	178	89	38	80	10	33	132	12	270	275	224	345	510		
160M	2, 4, 6, 8	254	127	210	108	42	110	12	37	160	15	320	330	260	420	615		
160L	2, 4, 6, 8	254	127	254	108	42	110	12	37	160	15	320	330	304	420	670		
180M	2, 4, 6, 8	279	139.5	241	121	48	110	14	42.5	180	15	355	380	311	455	700		
180L	2, 4, 6, 8	279	139.5	279	121	48	110	14	42.5	180	15	355	380	349	455	740		
200L	2, 4, 6, 8	318	159	305	133	55	110	16	49	200	19	395	420	369	505	770		
225S	4, 8	356	178	286	149	60	140	18	53	225	19	435	470	368	555	815		
225M	2	356	178	311	149	55	110	16	49	225	19	435	470	393	555	820		
	4, 6, 8	356	178	311	149	60	140	18	53	225	19	435	470	393	555	845		
250M	2	406	203	349	168	60	140	18	53	250	24	490	510	445	615	910		
	4, 6, 8	406	203	349	168	65	140	18	58	250	24	490	510	445	615	910		
280S	2	457	228.5	368	190	65	140	18	58	280	24	550	580	485	680	985		
	4, 6, 8	457	228.5	368	190	75	140	20	67.5	280	24	550	580	485	680	985		
280M	2	457	228.5	419	190	65	140	18	58	280	24	550	580	536	680	1035		
	4, 6, 8	457	228.5	419	190	75	140	20	67.5	280	24	550	580	536	680	1035		
315S	2	508	254	406	216	65	140	18	58	315	28	635	645	570	845	1160		
	4, 6, 8, 10	508	254	406	216	80	170	22	71	315	28	635	645	570	845	1210		
315M	2	508	254	457	216	65	140	18	58	315	28	635	645	680	845	1290		
	4, 8	508	254	457	216	80	170	22	71	315	28	635	645	680	845	1300		
315L	2	508	254	508	216	65	140	18	58	315	28	635	645	680	845	1290		
	4, 8	508	254	508	216	80	170	22	71	315	28	635	645	680	845	1320		
355M	2	610	305	560	254	75	140	20	67.5	355	28	730	710	750	1010	1500		
	4, 6, 8, 10	610	305	560	254	95	170	25	86	355	28	730	710	750	1010	1530		
355L	2	610	305	630	254	75	140	20	67.5	355	28	730	710	750	1010	1530		
	4, 6, 8, 10	610	305	630	254	95	170	25	86	355	28	730	710	750	1010	1530		

高效电动机
HIGH EFFICIENCY MOTOR

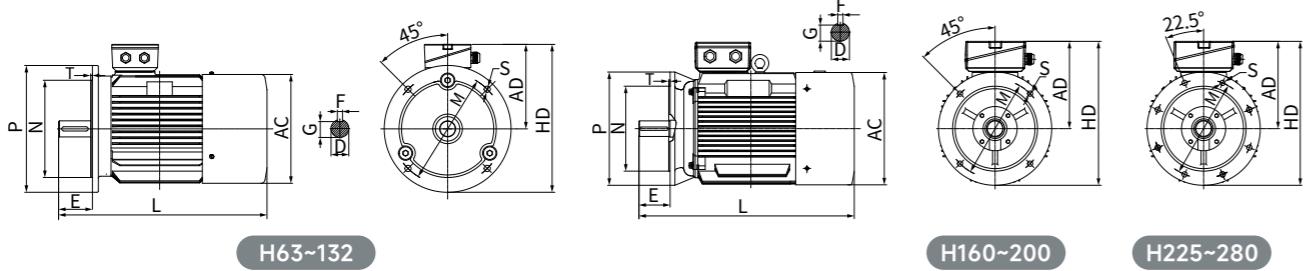
IM B35 H63~355



机座带底脚，端盖上有凸缘（带通孔）的电动机。Frame with feet and endshield with flange (with through holes).

机座号 Frame	凸缘号 Flange NO.	极数 Poles	安装尺寸 Mounting Dimensions															外形尺寸 Overall Dimensions						
			A	A/2	B	C	D	E	F	G	H	K	M	N	P	R*	S	T	凸缘孔数 Flange holes	AB	AC	BB	HD	L
63	FF115	2, 4	100	50	80	40	11	23	4	8.5	63	7	115	95	140	0	10	3	4	135	130	110	180	225
71	FF130	2, 4, 6	112	56	90	45	14	30	5	11	71	7	130	110	160	0	10	3.5	4	150	145	120	195	250
80	FF165	2, 4, 6, 8	125	62.5																				

IM B5 H63~280

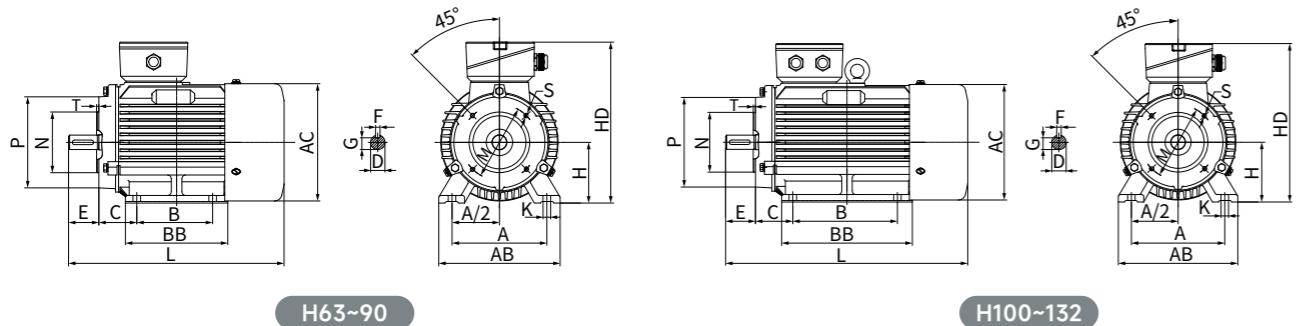


机座不带底脚，端盖上有凸缘（带通孔）的电动机。Frame without feet and endshield with flange (with through holes).

机座号 Frame	凸缘号 Flange NO.	极数 Poles	安装尺寸 Mounting Dimensions										外形尺寸 Overall Dimensions				
			D	E	F	G	M	N	P	R*	S	T	凸缘孔数 Flange holes	AC	AD	HD	L
63	FF115	2, 4	11	23	4	8.5	115	95	140	0	10	3	4	130	70	188	225
71	FF130	2, 4, 6	14	30	5	11	130	110	160	0	10	3.5	4	145	80	205	250
80	FF165	2, 4, 6, 8	19	40	6	15.5	165	130	200	0	12	3.5	4	175	145	265	295
90S	FF165	2, 4, 6, 8	24	50	8	20	165	130	200	0	12	3.5	4	195	155	260	315
90L	FF165	2, 4, 6, 8	24	50	8	20	165	130	200	0	12	3.5	4	195	155	260	340
100L	FF215	2, 4, 6, 8	28	60	8	24	215	160	250	0	15	4	4	215	180	295	385
112M	FF215	2, 4, 6, 8	28	60	8	24	215	160	250	0	15	4	4	240	190	315	400
132S	FF265	2, 4, 6, 8	38	80	10	33	265	230	300	0	15	4	4	275	210	365	470
132M	FF265	2, 4, 6, 8	38	80	10	33	265	230	300	0	15	4	4	275	210	365	510
160M	FF300	2, 4, 6, 8	42	110	12	37	300	250	350	0	19	5	4	330	255	435	615
160L	FF300	2, 4, 6, 8	42	110	12	37	300	250	350	0	19	5	4	330	255	435	670
180M	FF300	2, 4, 6, 8	48	110	14	42.5	300	250	350	0	19	5	4	380	280	450	700
180L	FF300	2, 4, 6, 8	48	110	14	42.5	300	250	350	0	19	5	4	380	280	450	740
200L	FF350	2, 4, 6, 8	55	110	16	49	350	300	400	0	19	5	4	420	305	505	770
225S	FF400	4, 8	60	140	18	53	400	350	450	0	19	5	8	470	335	555	815
225M	FF400	2	55	110	16	49	400	350	450	0	19	5	8	470	335	555	820
250M	FF400	4, 6, 8	60	140	18	53	400	350	450	0	19	5	8	470	335	555	845
250M	FF500	2	60	140	18	53	500	450	550	0	19	5	8	510	370	640	910
280S	FF500	4, 6, 8	65	140	18	58	500	450	550	0	19	5	8	580	410	675	985
280M	FF500	2	65	140	20	67.5	500	450	550	0	19	5	8	580	410	675	1035
280M	FF500	4, 6, 8	75	140	18	58	500	450	550	0	19	5	8	580	410	675	1035

注：R* 为凸缘配合面至轴伸肩的距离。Note: R* is the distance from the flange mounting-plane to the shaft-extension shoulder.

IM B34 H63-132

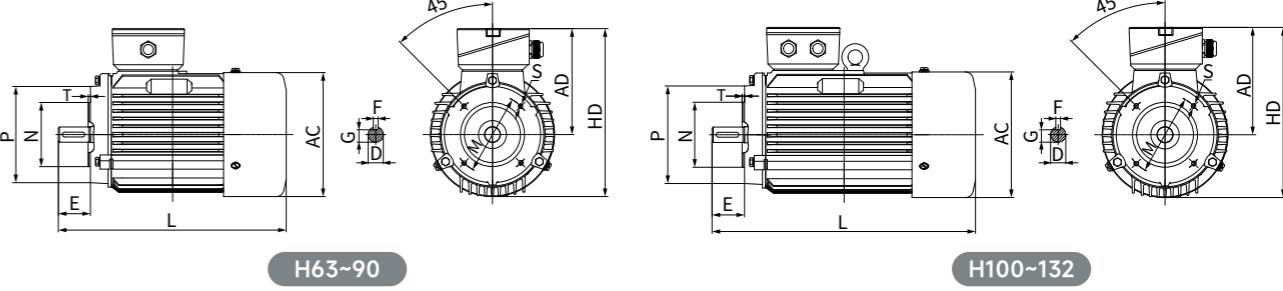


机座带底脚，端盖上有凸缘（带螺孔）的电动机。Frame with feet and endshield with flange (With thread holes).

机座号 Frame	凸缘号 Flange NO.	极数 Poles	安装尺寸 Mounting Dimensions										外形尺寸 Overall dimensions				凸缘孔数 Flange holes				AB			
			A	A/2	B	C	D	E	F	G	H	K	M	N	P	R*	S	T	凸缘孔数 Flange holes	AB	AC	BB	HD	L
63	FT75	2, 4	100	50	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	2.5	4	135	130	110	180	225
71	FT85	2, 4, 6	112	56	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	4	150	145	120	195	250
80	FT100	2, 4, 6, 8	125	62.5	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3	4	165	175	130	245	295
90S	FT115	2, 4, 6, 8	140	70	100	56	24	50	8	20	90	10	115	95	140	0	M8	3	4	180	195	130	250	315
90L	FT115	2, 4, 6, 8	140	70	125	56	24	50	8	20	90	10	115	95	140	0	M8	3	4	180	195	155	250	340
100L	FT130	2, 4, 6, 8	160	80	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	4	205	215	176	270	385
112M	FT130	2, 4, 6, 8	190	95	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	4	230	240	180	300	400
132S	FT165	2, 4, 6, 8	216	108	140	89	38	80	10	33	132	12	165	130	200	0	M10	3.5	4	270	275	186	345	470
132M	FT165	2, 4, 6, 8	216	108	178	89	38	80	10	33	132	12	165	130	200	0	M10	3.5	4	270	275	224	345	510

注：R* 为凸缘配合面至轴伸肩的距离。Note: R* is the distance from the flange mounting-plane to the shaft-extension shoulder.

IM B14 H63-132



机座不带底脚，端盖上有凸缘（带通孔）的电动机。Frame without feet and endshield with flange (With through holes).

机座号 Frame	凸缘号 Flange NO.
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高效电动机
HIGH EFFICIENCY MOTOR

KE (IE2)

系列高效三相异步电动机

Series High Efficiency Three-Phase
Asynchronous Motor

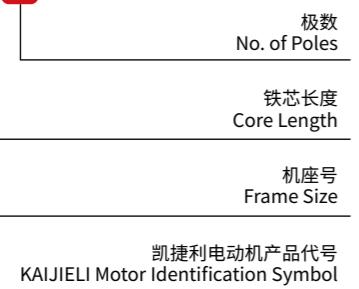


铁壳系列
Cast iron housing series

铝壳系列
Aluminum housing series

型号说明
TYPE DEFINITION

KE - 225 M - 2



高效电动机
HIGH EFFICIENCY MOTOR

KE (IE2) 技术参数 TECHNICAL DATA



50HZ

型号 Type No.	额定功率 Rated output		额定转速 Rated speed (r/min)	效率 Efficiency η% (IE2)	效率 75% 负载 Efficiency at 75% load	效率 50% 负载 Efficiency at 50% load	功率因数 Power factor cosΦ	额定电流 Rated current(A)			额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn	最大转矩 额定转矩 Tmax/Tn	堵转电流 额定电流 Is/In
	kW	HP						380V	400V	415V				
SPEED 3000RPM 2-POLE														
KE-631-2	0.18	0.25	2725	60.4	60.4	59.2	0.80	0.57	0.54	0.52	0.63	2.2	2.2	5.5
KE-632-2	0.25	0.37	2725	64.8	64.8	63.5	0.81	0.72	0.69	0.66	0.88	2.2	2.2	5.5
KE-711-2	0.37	0.5	2745	69.5	69.5	68.1	0.81	1	0.95	0.91	1.29	2.2	2.3	6.1
KE-712-2	0.55	0.75	2745	74.1	74.1	72.6	0.82	1.38	1.31	1.26	1.91	2.3	2.3	6.1
KE-801-2	0.75	1	2875	77.4	77.4	75.9	0.83	1.77	1.69	1.62	2.49	2.3	2.3	6.8
KE-802-2	1.1	1.5	2875	79.6	79.6	78.0	0.84	2.5	2.37	2.29	3.65	2.3	2.3	7.1
KE-90S-2	1.5	2	2890	81.3	81.3	79.7	0.84	3.34	3.17	3.06	4.96	2.3	2.3	7.3
KE-90L-2	2.2	3	2890	83.2	83.2	81.5	0.85	4.73	4.49	4.33	7.27	2.3	2.3	7.6
KE-100L-2	3	4	2891	84.6	84.6	82.9	0.87	6.19	5.88	5.67	9.91	2.2	2.3	7.8
KE-112M-2	4	5.5	2914	85.8	85.8	84.1	0.88	8.05	7.65	7.37	13.1	2.2	2.3	8.1
KE-132S1-2	5.5	7.5	2937	87.0	87.0	85.3	0.86	11.2	10.6	10.2	17.9	2.2	2.3	8.2
KE-132S2-2	7.5	10	2940	88.1	88.1	86.3	0.88	14.7	14	13.5	24.4	2.2	2.3	7.8
KE-160M1-2	11	15	2930	89.4	89.4	87.6	0.89	21	20	19.2	35.9	2.2	2.3	7.9
KE-160M2-2	15	20	2930	90.3	90.3	88.5	0.89	28.4	26.9	26	48.9	2.2	2.3	7.9
KE-160L-2	18.5	25	2937	90.9	90.9	89.1	0.89	34.7	33	31.8	60.2	2.2	2.3	8.0
KE-180M-2	22	30	2940	91.3	91.3	89.5	0.88	41.6	39.5	38.1	71.5	2.2	2.3	8.1
KE-200L1-2	30	40	2950	92.0	92.0	90.2	0.88	56.3	53.5	51.6	97.1	2.0	2.3	7.5
KE-200L2-2	37	50	2950	92.5	92.5	90.7	0.89	68.3	64.9	62.5	119.8	2.0	2.3	7.5
KE-225M-2	45	60	2960	92.9	92.9	91.0	0.89	82.7	78.6	75.7	145.2	2.2	2.3	7.5
KE-250M-2	55	75	2965	93.2	93.2	91.3	0.90	99.6	94.6	91.2	177.2	2.2	2.3	7.6
KE-280S-2	75	100	2970	93.8	93.8	91.9	0.90	135	128	124	241.2	1.8	2.3	6.9
KE-280M-2	90	125	2970	94.1	94.1	92.2	0.91	160	152	146	289.4	1.8	2.3	6.9
KE-315S-2	110	150	2975	94.3	94.3	92.4	0.91	195	185	178	353.1	1.8	2.2	7.0
KE-315M-2	132	180	2975	94.6	94.6	92.7	0.91	233	221	213	423.7	1.8	2.2	7.0
KE-315L1-2	160	200	2975	94.8	94.8	92.9	0.92	279	265	255	513.6	1.8	2.2	7.1
KE-315L2-2	200	270	2975	95.0	95.0	93.1	0.92	348	330	318	642	1.8	2.2	7.1
KE-355M-2	250	340	2980	95.0	95.0	93.1	0.92	435	413	398	801.2	1.6	2.2	7.1
KE-355L-2	315	430	2980	95.0	95.0	93.1	0.92	548	520	501	1009.5	1.6	2.2	7.2
SPEED 1500RPM 4-POLE														
KE-631-4	0.12	0.18	1315	59.1	59.1	57.9	0.72	0.43	0.41	0.39	0.87	2.1	2.2	4.4
KE-632-4	0.18	0.25	1315	64.7	64.7	63.4	0.73	0.58	0.55	0.53	1.31	2.1	2.2	4.4
KE-711-4	0.25	0.37	1335	68.5	68.5	67.1	0.74	0.75	0.71	0.69	1.79	2.1	2.2	5.2
KE-712-4	0.37	0.5	1335	72.7	72.7	71.2	0.75	1.03	0.98	0.94	2.65	2.1	2.2	5.2
KE-801-4	0.55	0.75	1400	77.1	77.1	75.6	0.75	1.45	1.37	1.32	3.75	2.3	2.3	5.2
KE-802-4	0.75	1	1400	79.6	79.6	78.0	0.76	1.88	1.79	1.72	5.12	2.4	2.5	5.0
KE-90S-4	1.1	1.5	1440	81.4	81.4	79.8	0.77	2.67	2.53	2.44	7.3	2.4	2.5	6.0
KE-90L-4	1.5	2	1445	82.8	82.8	81.1	0.77	3.57	3.4	3.27	9.91	2.7	3.0	6.8
KE-100L1-4	2.2	3	1440	84.3	84.3	82.6	0.81	4.9	4.65	4.48	14.6	2.7	3.0	7.0
KE-100L2-4	3	4	1440	85.5	85.5	83.8	0.82	6.5	6.18	5.95	19.9	2.6	2.8	7.0
KE-112M-4	4	5.5	1445	86.6	86.6	84.9	0.82	8.56	8.13	7.84	26.4	2.6	2.8	7.5
KE-132S-4	5.5	7.5	1455	87.7	87.7	85.9	0.83	11.5	10.9	10.5	36.1	2.2	2.8	6.4
KE-132M-4	7.5	10	1455	88.7	88.7	86.9	0.84	15.3	14.5	14	49.2	2.2	2.8	7.0
KE-160M-4	11	15	1460	89.8	89.8	88.0	0.84	22.2	21	20.3				

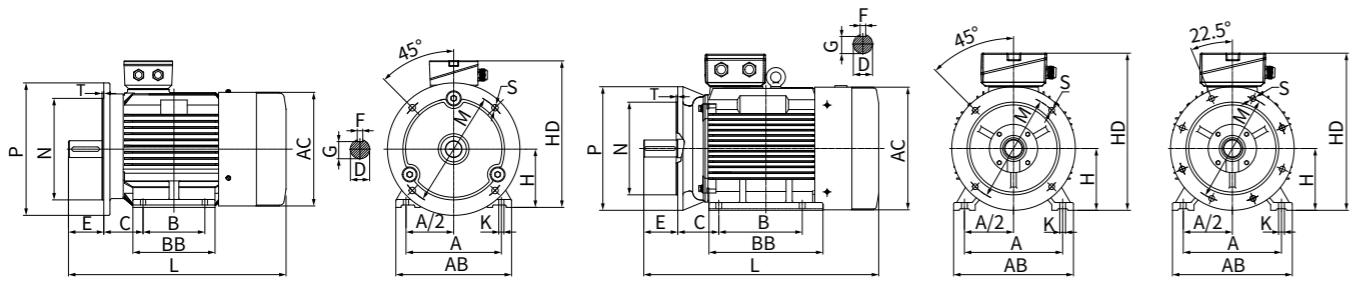


高效电动机
HIGH EFFICIENCY MOTOR

KE (IE2) 技术参数 TECHNICAL DATA

型号 Type No.	额定功率 Rated output		额定转速 Rated speed (r/min)	效率 Efficiency η% (IE2)	效率 75% 负载 Efficiency at 75% load	效率 50% 负载 Efficiency at 50% load	功率因数 Power factor cosφ	额定电流 Rated current(A)			额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn	最大转矩 额定转矩 Tmax/Tn	堵转电流 额定电流 Is/In
	kW	HP						380V	400V	415V				
SPEED 1000RPM 6-POLE														
KE-711-6	0.18	0.25	850	56.6	56.6	55.5	0.66	0.73	0.7	0.67	2.0	1.9	2.0	4.0
KE-712-6	0.25	0.37	850	61.6	61.6	60.4	0.68	0.91	0.86	0.83	2.8	1.9	2.0	4.0
KE-801-6	0.37	0.5	885	67.6	67.6	66.2	0.70	1.19	1.13	1.09	4.0	1.9	2.0	4.7
KE-802-6	0.55	0.75	885	73.1	73.1	71.6	0.72	1.59	1.51	1.45	5.9	1.9	2.1	4.7
KE-90S-6	0.75	1	934	75.9	75.9	74.4	0.72	2.09	1.98	1.91	7.7	2.0	2.1	5.8
KE-90L-6	1.1	1.5	945	78.1	78.1	76.5	0.72	2.97	2.82	2.72	11.1	2.0	2.1	5.9
KE-100L-6	1.5	2	945	79.8	79.8	78.2	0.75	3.81	3.62	3.49	15.2	2.0	2.1	6.2
KE-112M-6	2.2	3	960	81.8	81.8	80.2	0.76	5.38	5.11	4.92	21.9	2.0	2.1	6.4
KE-132S-6	3	4	964	83.3	83.3	81.6	0.76	7.2	6.84	6.59	29.7	2.0	2.1	6.4
KE-132M1-6	4	5.5	965	84.6	84.6	82.9	0.76	9.45	8.98	8.66	39.6	2.0	2.1	6.6
KE-132M2-6	5.5	7.5	965	86.0	86.0	84.3	0.77	12.6	12	11.6	54.4	2.0	2.1	6.8
KE-160M-6	7.5	10	970	87.2	87.2	85.5	0.78	16.8	15.9	15.3	73.8	2.0	2.1	6.8
KE-160L-6	11	15	970	88.7	88.7	86.9	0.78	24.2	22.9	22.1	108.3	2.0	2.1	6.9
KE-180L-6	15	20	975	89.7	89.7	87.9	0.81	31.4	29.8	28.7	146.9	2.0	2.1	7.3
KE-200L1-6	18.5	25	980	90.4	90.4	88.6	0.81	38.4	36.5	35.1	180.3	2.0	2.1	7.2
KE-200L2-6	22	30	980	90.9	90.9	89.1	0.83	44.3	42.1	40.6	214.4	2.0	2.1	7.3
KE-225M-6	30	40	980	91.7	91.7	89.9	0.84	59.2	56.2	54.2	292.3	2.0	2.1	6.8
KE-250M-6	37	50	980	92.2	92.2	90.4	0.86	70.9	67.4	64.9	360.6	2.0	2.1	7.0
KE-280S-6	45	60	980	92.7	92.7	90.8	0.86	85.8	81.5	78.5	438.5	2.0	2.0	7.2
KE-280M-6	55	75	980	93.1	93.1	91.2	0.86	104	99.2	95.6	536	2.0	2.0	7.2
KE-315S-6	75	100	985	93.7	93.7	91.8	0.86	141	134	129	727.2	2.0	2.0	6.5
KE-315M-6	90	125	985	94.0	94.0	92.1	0.86	169	161	155	872.6	2.0	2.0	6.6
KE-315L1-6	110	150	985	94.3	94.3	92.4	0.86	206	196	189	1066.5	2.0	2.0	6.6
KE-315L2-6	132	180	985	94.6	94.6	92.7	0.87	244	231	223	1279.8	2.0	2.0	6.6
KE-355M1-6	160	200	990	94.8	94.8	92.9	0.88	291	277	267	1543.4	2.0	2.0	6.7
KE-355M2-6	200	270	990	95.0	95.0	93.1	0.88	363	345	333	1929.3	2.0	2.0	6.8
KE-355L-6	250	340	990	95.0	95.0	93.1	0.88	454	432	416	2411.6	2.0	2.0	6.8
SPEED 750RPM 8-POLE														
KE-712-8	0.12	0.18	605	39.8	39.8	39.0	0.57	0.8	0.76	0.74	1.89	1.8	1.9	2.8
KE-801-8	0.18	0.25	650	45.9	45.9	45.0	0.61	0.98	0.93	0.89	2.64	1.8	1.9	3.3
KE-802-8	0.25	0.37	650	50.6	50.6	49.6	0.61	1.23	1.17	1.13	3.67	1.8	1.9	3.3
KE-90S-8	0.37	0.5	675	56.1	56.1	55.0	0.61	1.64	1.56	1.5	5.23	1.8	1.9	4.0
KE-90L-8	0.55	0.75	675	61.7	61.7	60.5	0.61	2.22	2.11	2.03	7.78	1.8	2.0	4.0
KE-100L1-8	0.75	1	685	66.2	66.2	64.9	0.67	2.57	2.44	2.35	10.5	1.8	2.0	4.0
KE-100L2-8	1.1	1.5	685	70.8	70.8	69.4	0.69	3.42	3.25	3.13	15.3	1.8	2.0	5.0
KE-112M-8	1.5	2	695	74.1	74.1	72.6	0.70	4.39	4.17	4.02	20.6	1.8	2.0	5.0
KE-132S-8	2.2	3	710	77.6	77.6	76.0	0.71	6.07	5.76	5.56	29.6	1.8	2.0	6.0
KE-132M-8	3	4	710	80.0	80.0	78.4	0.73	7.8	7.41	7.15	40.4	1.8	2.0	6.0
KE-160M1-8	4	5.5	725	81.9	81.9	80.3	0.73	10.2	9.66	9.31	52.7	1.9	2.0	6.0
KE-160M2-8	5.5	7.5	725	83.8	83.8	82.1	0.74	13.5	12.8	12.3	72.4	1.9	2.0	6.0
KE-160L-8	7.5	10	725	85.3	85.3	83.6	0.75	17.8	16.9	16.3	98.8	1.9	2.0	6.0
KE-180L-8	11	15	735	86.9	86.9	85.2	0.75	25.6	24.4	23.5	142.9	2.0	2.0	6.5
KE-200L-8	15	20	730	88.0	88.0	86.2	0.76	34.1	32.4	31.2	196.2	2.0	2.0	6.6
KE-225S-8	18.5	25	730	88.6	88.6	86.8	0.76	41.7	39.7	38.2	242	1.9	2.0	6.6
KE-225M-8	22	30	730	89.1	89.1	87.3	0.78	48.1	45.7	44	287.8	1.9	2.0	6.6
KE-250M-8	30	40	735	89.8	89.8	88.0	0.79	64.3	61	58.8	389.8	1.9	2.0	6.5
KE-280S-8	37	50	735	90.3	90.3	88.5	0.79	78.8	74.9	72.2	480.7	1.9	2.0	6.6
KE-280M-8	45	60	735											

IM B35 H63~355



H63~132

H160~200

H225~355

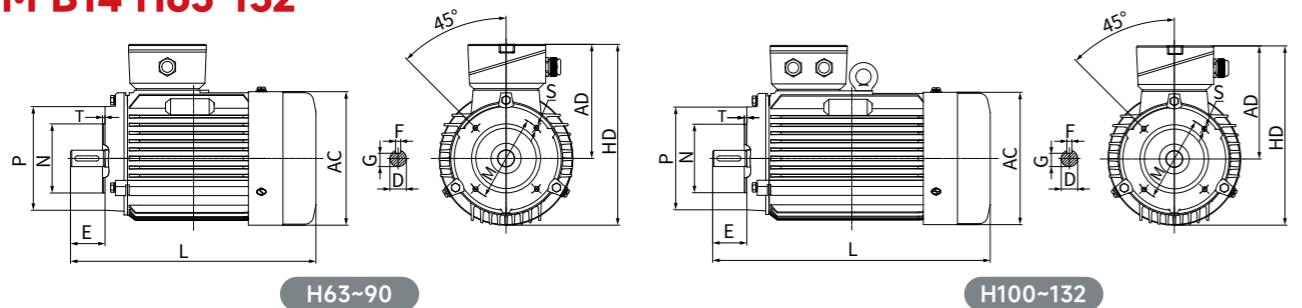
机座带底脚，端盖上有凸缘（带通孔）的电动机。Frame with feet and endshield with flange (With through holes).

机座号 Frame	凸缘号 Flange NO.	极数 Poles	安装尺寸 Mounting Dimensions												外形尺寸 Overall dimensions									
			A	A/2	B	C	D	E	F	G	H	K	M	N	P	R*	S	T	凸缘孔数 Flange holes	AB	AC	BB	HD	L
63	FF115	2, 4	100	50	80	40	11	23	4	8.5	63	7	115	95	140	0	10	3	4	135	130	110	180	225
71	FF130	2, 4, 6	112	56	90	45	14	30	5	11	71	7	130	110	160	0	10	3.5	4	145	80	205	250	
80	FF165	2, 4, 6, 8	125	62.5	100	50	19	40	6	15.5	80	10	165	130	200	0	12	3.5	4	175	145	265	305	
90S	FF165	2, 4, 6, 8	140	70	100	56	24	50	8	20	90	10	165	130	200	0	12	3.5	4	195	165	260	360	
90L	FF165	2, 4, 6, 8	140	70	125	56	24	50	8	20	90	10	165	130	200	0	12	3.5	4	195	165	260	390	
100L	FF215	2, 4, 6, 8	160	80	140	63	28	60	8	24	100	12	215	180	250	0	14.5	4	4	215	180	295	435	
112M	FF215	2, 4, 6, 8	190	95	140	70	28	60	8	24	112	12	215	180	250	0	14.5	4	4	240	190	315	470	
132S	FF265	2, 4, 6, 8	216	108	140	89	38	80	10	33	132	12	265	230	300	0	14.5	4	4	275	210	365	510	
132M	FF265	2, 4, 6, 8	216	108	178	89	38	80	10	33	132	12	265	230	300	0	14.5	4	4	275	210	365	560	
160M	FF300	2, 4, 6, 8	254	127	210	108	42	110	12	37	160	14.5	300	250	350	0	18.5	5	4	320	330	260	420	670
160L	FF300	2, 4, 6, 8	254	127	254	108	42	110	12	37	160	14.5	300	250	350	0	18.5	5	4	320	330	304	420	670
180M	FF300	2, 4, 6, 8	279	139.5	241	121	48	110	14	42.5	180	14.5	300	250	350	0	18.5	5	4	355	380	311	455	740
180L	FF300	2, 4, 6, 8	279	139.5	279	121	48	110	14	42.5	180	14.5	300	250	350	0	18.5	5	4	355	380	349	455	740
200L	FF350	2, 4, 6, 8	318	159	305	133	55	110	16	49	200	18.5	350	300	400	0	18.5	5	4	395	420	369	505	790
225S	FF400	4	356	178	286	140	60	140	18	53	225	18.5	400	350	450	0	18.5	5	8	435	7470	368	560	830
225M	FF400	2	356	178	311	140	55	140	16	49	225	18.5	400	350	450	0	18.5	5	8	435	7470	393	560	825
250M	FF500	2	406	203	349	168	60	140	18	53	250	24	500	450	550	0	18.5	5	8	490	510	445	615	915
250M	FF500	4, 6, 8	406	203	349	168	65	140	18	58	250	24	500	450	550	0	18.5	5	8	490	510	445	615	915
280S	FF500	2	457	228.5	368	190	65	140	18	58	280	24	500	450	550	0	18.5	5	8	550	580	485	680	985
280M	FF500	4, 6, 8	457	228.5	368	190	75	140	20	67.5	280	24	500	450	550	0	18.5	5	8	550	580	485	680	985
280M	FF500	2	457	228.5	419	190	65	140	18	58	280	24	500	450	550	0	18.5	5	8	550	580	536	680	1035
280M	FF500	4, 6, 8	457	228.5	419	190	75	140	20	67.5	280	24	500	450	550	0	18.5	5	8	550	580	536	680	1035
315S	FF600	2	508	254	406	216	65	140	18	58	315	28	600	550	660	0	24	6	8	635	645	570	845	1200
315S	FF600	4, 6, 8	508	254	406	216	80	170	22	71	315	28	600	550	660	0	24	6	8	635	645	570	845	1230
315M	FF600	2	508	254	457	216	65	140	18	58	315	28	600	550	660	0	24	6	8	635	645	680	845	1310
315M	FF600	4, 6, 8	508	254	457	216	80	170	22	71	315	28	600	550	660	0	24	6	8	635	645	680	845	1340
315L	FF600	2	508	254	508	216	65	140	18	58	315	28	600	550	660	0	24	6	8	635	645	680	845	1310
315L	FF600	4, 6, 8	508	254	508	216	80	170	22	71	315	28	600	550	660	0	24	6	8	635	645	680	845	1340
355M	FF740	2	610	305	560	254	75	140	20	67.5	355	28	740	680	800	0	24	6	8	730	710	750	1010	1525
355M	FF740	4, 6, 8	610	305	560	254	95	170	25	86	355	28	740	680	800	0	24	6	8	730	710	750	1010	1550
355L	FF740	2	610	305	630	254	75	140	20	67.5	355	28	740	680	800	0	24	6	8	730	710	750	1010	1525
355L	FF740	4, 6, 8	610	305	630	254	95	170	25	86	355	28	740	680	800	0	24	6	8	730	710	750	1010	1550

注：R* 为凸缘配合面至轴伸肩的距离。Note: R* is the distance from the flange mounting-plane to the shaft-extension shoulder.

高效电动机
HIGH EFFICIENCY MOTOR

IM B14 H63-132

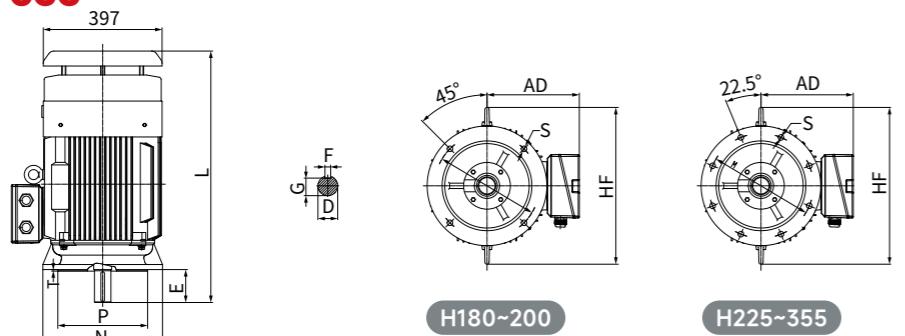


机座不带底脚，端盖上有凸缘（带螺孔）的电动机。Frame without feet and endshield with flange (With thread holes).

机座号 Frame	凸缘号 Flange NO.	极数 Poles	安装尺寸 Mounting Dimensions										外形尺寸 Overall Dimensions				
			D	E	F	G	M	N	P	R*	S	T	凸缘孔数 Flange holes	AC	AD	HD	L
63	FT75	2, 4	11	23	4	8.5	75	60	90	0	M6	2.5	4	130	70	160	225
71	FT85	2, 4, 6	14	30	5	11	85	70	105	0	M6	2.5	4	145	80	175	250
80	FT100	2, 4, 6, 8	19	40	6	15.5	100	80	120	0	M6	3	4	175	145	205	305
90S	FT115	2, 4, 6, 8	24	60	8	20	115	95	140	0	M8	3	4	195	195	225	360
90L	FT115	2, 4, 6, 8	24	60	8	20	115	95	140	0	M8	3	4	195	195	225	390
100L	FT130	2, 4, 6, 8	28	80	8	24	130	100	160	0	M8	3.5	4	215	180	250	345
112M	FT130	2, 4, 6, 8	28	80	8	24	130	110	160	0	M8	3.5	4	240	190	280	470
132S	FT165	2, 4, 6, 8	38	80	10	33	165	130	200	0	M10	3.5	4	275	210	320	470
132M	FT165	2, 4, 6, 8	38	80	10	33	165	130	200	0	M10	3.5	4	275	210	320	510

注：R* 为凸缘配合面至轴伸肩的距离。Note: R* is the distance from the flange mounting-plane to the shaft-extension shoulder.

IM V1 H180-355



立体安装，机座不带底脚，端盖上有凸缘（带通孔）轴伸向下的电动机。Vertical type, frame without feet and endshield with flange (With through holes).

机座号 Frame	凸缘号 Flange NO.	极数 Poles	安装尺寸 Mounting Dimensions										外形尺寸 Overall dimensions				
			D	E	F	G	M	N	P	R*	S	T	凸缘孔数 Flange holes	AC	AD	HF	L
180M	FF300	2,4,6,8	48	110	14	42.5	300	250	280	0	18.5	5	4	380	280	500	800
180L	FF300	2,4,6,8	48	110	14	42.5	300	250	280	0	18.5	5	4	380	280	500	850
200L	FF350	2,4,6,8	55	110	16	49	350	300	305	0	18.5	5	4	420	305	550	860
225S	FF400	4	60	140	18	53	400	350	335	0	18.5	5	8	470	335	610	920
225M	FF400	2	55	110	16	49	400	350	335	0	18.5	5	8	470	335	610	915
	FF400	4,6,8	60	140	18	53	400	350	335	0	18.5	5	8	470	335	610	945
250M	FF500	2	60	140	18	53	500	450	550	0	18.5	5	8	510	370	650	1020
	FF500	4,6,8	65	140	18	58	500	450	550	0	18.5	5	8	510	370	650	1020
280S	FF500	2	65	140	18	58	500	450	550	0	18.5	5	8	580	410	720	1100
	FF500	4,6,8	75	140	20	67.5	500	450	550	0	18.5	5	8	580	410	720	1100
280M	FF500	2	65	140	18	58	500	450	550	0	18.5	5	8	580	410	720	1150
	FF500	4,6,8	75	140	20	67.5	500	450	550	0	18.5	5	8	580	410	720	1150
315S	FF600	2	65	140	18	58	600	550	660	0	24	6	8	645	530	900	1180
	FF600	4,6,8	80	170	22	71	600	550	660	0	24	6	8	645	530	900	1210
315M	FF600	2	65	140	18	58	600	550	660	0	24	6	8	645	530	900	1290
	FF600	4,6,8	80	170	22	71	600	550	660	0	24	6	8	645	530	900	1320
315L	FF600	2	65	140	18	58	600	550	660	0	24	6	8	645	530	900	1290
	FF600	4,6,8	80	170	22	71	600	550	660	0	24	6	8	645	530	900	1320
355M	FF740	2	75	140	20	67.5	740	680	800	0	24	6	8	710	655	1010	1525
	FF740	4,6,8	95	170	25	86	740	680	800	0	24	6	8	710	655	1010	1550
355L	FF740	2	75	140	20	67.5	740	680	800	0	24	6	8	710	655	1010	1525
FF740	4,6,8	95	170	25	86	740	680	800	0	24	6	8	710	655	1010	1550	

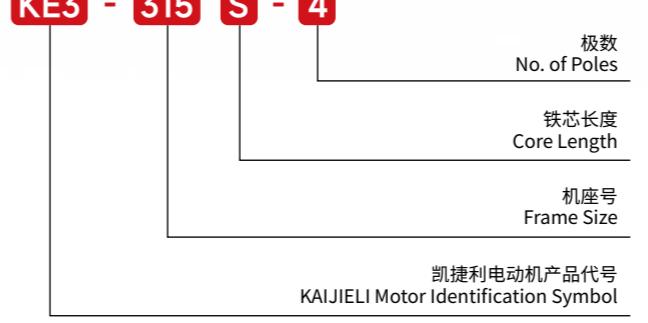
注：R* 为凸缘配合面至轴伸肩的距离。Note: R* is the distance from the flange mounting-plane to the shaft-extension shoulder.

KE3 (IE3)

系列超高效三相异步电动机
Series Premium Efficiency Three-Phase
Asynchronous Motor



KE3 - 315 S - 4





高效电动机
HIGH EFFICIENCY MOTOR

KE3 (IE3) 技术参数 TECHNICAL DATA

型号 Type No.	额定功率 Rated output		额定转速 Rated speed (r/min)	效率 Efficiency η% (IE3)	效率 75% 负载 Efficiency at 75% load		效率 50% 负载 Efficiency at 50% load		功率因数 Power factor cosΦ	额定电流 Rated current(A)		额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn	最大转矩 额定转矩 Tmax/Tn	堵转电流 额定电流 Is/In
	kW	HP			380V	400V	415V	0.52		0.49	0.47		0.63	2.2	2.2
SPEED 3000RPM 2-POLE															
KE3-631-2	0.18	0.25	2730	65.9	65.9	64.6	0.80	0.52	0.49	0.47	0.63	2.2	2.2	5.5	
KE3-632-2	0.25	0.37	2730	69.7	69.7	68.3	0.81	0.67	0.64	0.62	0.87	2.2	2.2	5.5	
KE3-711-2	0.37	0.5	2750	73.8	73.8	72.3	0.81	0.94	0.89	0.86	1.28	2.2	2.2	6.1	
KE3-712-2	0.55	0.75	2750	77.8	77.8	76.2	0.82	1.31	1.24	1.2	1.91	2.3	2.3	6.1	
KE3-801-2	0.75	1	2880	80.7	80.7	79.1	0.82	1.72	1.64	1.58	2.49	2.3	2.3	7.0	
KE3-802-2	1.1	1.5	2880	82.7	82.7	81.0	0.83	2.43	2.31	2.23	3.65	2.2	2.3	7.3	
KE3-90S-2	1.5	2	2895	84.2	84.2	82.5	0.84	3.22	3.06	2.95	4.95	2.2	2.3	7.6	
KE3-90L-2	2.2	3	2895	85.9	85.9	84.2	0.85	4.58	4.35	4.19	7.26	2.2	2.3	7.6	
KE3-100L-2	3	4	2895	87.1	87.1	85.4	0.87	6.02	5.71	5.51	9.9	2.2	2.3	7.8	
KE3-112M-2	4	5.5	2905	88.1	88.1	86.3	0.88	7.84	7.45	7.18	13.1	2.2	2.3	8.3	
KE3-132S1-2	5.5	7.5	2930	89.2	89.2	87.4	0.88	10.6	10.1	9.75	17.9	2.0	2.3	8.3	
KE3-132S2-2	7.5	10	2930	90.1	90.1	88.3	0.88	14.4	13.7	13.2	24.4	2.0	2.3	7.9	
KE3-160M1-2	11	15	2945	91.2	91.2	89.4	0.89	20.6	19.6	18.9	35.7	2.0	2.3	8.1	
KE3-160M2-2	15	20	2945	91.9	91.9	90.1	0.89	27.9	26.5	25.5	48.6	2.0	2.3	8.1	
KE3-160L-2	18.5	25	2940	92.4	92.4	90.6	0.89	34.2	32.5	31.3	60.1	2.0	2.3	8.2	
KE3-180M-2	22	30	2955	92.7	92.7	90.8	0.89	40.5	38.5	37.1	71.1	2.0	2.3	8.2	
KE3-200L1-2	30	40	2960	93.3	93.3	91.4	0.89	54.9	52.1	50.3	96.8	2.0	2.3	7.6	
KE3-200L2-2	37	50	2960	93.7	93.7	91.8	0.89	67.4	64	61.7	119.4	2.0	2.3	7.6	
KE3-225M-2	45	60	2965	94.0	94.0	92.1	0.90	80.8	76.8	74	144.9	2.0	2.3	7.7	
KE3-250M-2	55	75	2970	94.3	94.3	92.4	0.90	98.5	93.5	90.2	176.9	2.0	2.3	7.7	
KE3-280S-2	75	100	2975	94.7	94.7	92.8	0.90	134	127	122	240.8	1.8	2.3	7.1	
KE3-280M-2	90	125	2975	95.0	95.0	93.1	0.90	160	152	146	288.9	1.8	2.3	7.1	
KE3-315S-2	110	150	2978	95.2	95.2	93.3	0.90	195	185	179	352.8	1.8	2.3	7.1	
KE3-315M-2	132	180	2978	95.4	95.4	93.5	0.90	234	222	214	423.3	1.8	2.3	7.1	
KE3-315L1-2	160	200	2980	95.6	95.6	93.7	0.91	279	265	256	512.8	1.8	2.3	7.2	
KE3-315L2-2	200	270	2980	95.8	95.8	93.9	0.91	349	331	319	640.9	1.8	2.2	7.2	
KE3-355M-2	250	340	2982	95.8	95.8	93.9	0.91	436	414	399	800.6	1.6	2.2	7.2	
KE3-355L-2	315	430	2982	95.8	95.8	93.9	0.91	549	522	503	1009	1.6	2.2	7.2	
SPEED 1500RPM 4-POLE															
KE3-631-4	0.12	0.18	1320	64.8	64.8	63.5	0.72	0.39	0.37	0.36	0.87	2.1	2.2	4.4	
KE3-632-4	0.18	0.25	1320	69.9	69.9	68.5	0.73	0.54	0.51	0.49	1.3	2.1	2.2	4.4	
KE3-711-4	0.25	0.37	1340	73.5	73.5	72.0	0.74	0.7	0.66	0.64	1.78	2.1	2.2	5.2	
KE3-712-4	0.37	0.5	1340	77.3	77.3	75.8	0.75	0.97	0.92	0.89	2.64	2.1	2.2	5.2	
KE3-801-4	0.55	0.75	1400	80.8	80.8	79.2	0.75	1.38	1.31	1.26	3.75	2.4	2.3	5.2	
KE3-802-4	0.75	1	1420	82.5	82.5	80.9	0.75	1.84	1.75	1.69	5.04	2.3	2.3	6.6	
KE3-90S-4	1.1	1.5	1445	84.1	84.1	82.4	0.76	2.61	2.48	2.39	7.27	2.3	2.3	6.8	
KE3-90L-4	1.5	2	1445	85.3	85.3	83.6	0.77	3.47	3.3	3.18	9.91	2.3	2.3	7.0	
KE3-100L1-4	2.2	3	1450	86.7	86.7	85.0	0.81	4.76	4.52	4.36	14.6	2.3	2.3	7.6	
KE3-100L2-4	3	4	1450	87.7	87.7	85.9	0.82	6.34	6.02	5.8	20	2.3	2.3	7.6	
KE3-112M-4	4	5.5	1450	88.6	88.6	86.8	0.82	8.37	7.95	7.66	26.5	2.2	2.3	7.8	
KE3-132S-4	5.5	7.5	1460	89.6	89.6	87.8	0.83	11.2	10.7	10.3	36	2.0	2.3	7.9	
KE3-132M-4	7.5	10	1460	90.4	90.4	88.6	0.84	15	14.3	13.7	49.1	2.0	2.3	7.5	
KE3-160M-4	11	15	1465	91.4	91.4	89.6	0.85	21.5	20.4	19.7	71.7	2.2	2.3	7.7	
KE3-160L-4	15	20	1465	92.1	92.1	90.3	0.86	28.8	27.3	26.3	97.8	2.2	2.3	7.8	
KE3-180M-4	18.5	25	1470	92.6	92.6	90.7	0.86	35.3	33.5						



KE4 (IE4)

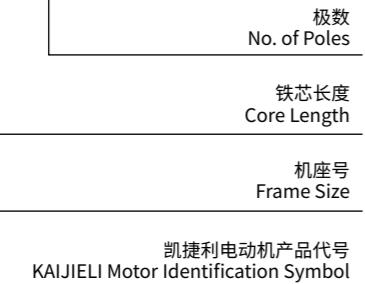
系列超高效三相异步电动机

Series Super Premium Efficiency Three-Phase
Asynchronous Motor



型号说明
TYPE DEFINITION

KE4 - 315 M - 8



KE4 (IE4) 技术参数 TECHNICAL DATA



50HZ

型号 Type No.	额定功率 Rated output		额定转速 Rated speed (r/min)	效率 Efficiency η% (IE4)	效率 75% 负载 Efficiency at 75% load		效率 50% 负载 Efficiency at 50% load		功率因数 Power factor cosΦ	额定电流 Rated current(A)			额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn	最大转矩 额定转矩 Tmax/Tn	堵转电流 额定电流 Is/In
	kW	HP			70.8	70.8	69.4	0.80		0.48	0.46	0.44				
SPEED 3000RPM 2-POLE																
KE4-631-2	0.18	0.25	2745	70.8	70.8	69.4	0.80	0.48	0.46	0.44	0.63	2.2	2.2	5.5		
KE4-632-2	0.25	0.37	2745	74.3	74.3	72.8	0.81	0.63	0.6	0.58	0.87	2.2	2.2	5.5		
KE4-711-2	0.37	0.5	2765	78.1	78.1	76.5	0.81	0.89	0.84	0.81	1.28	2.2	2.2	6.1		
KE4-712-2	0.55	0.75	2765	81.5	81.5	79.9	0.82	1.25	1.19	1.14	1.9	2.3	2.3	6.1		
KE4-801-2	0.75	1	2910	83.5	83.5	81.8	0.82	1.66	1.58	1.52	2.46	2.3	2.3	7.0		
KE4-802-2	1.1	1.5	2920	85.2	85.2	83.5	0.83	2.36	2.25	2.16	3.6	2.2	2.3	7.3		
KE4-90S-2	1.5	2	2930	86.5	86.5	84.8	0.84	3.14	2.98	2.87	4.89	2.2	2.3	7.6		
KE4-90L-2	2.2	3	2930	88.0	88.0	86.2	0.85	4.47	4.25	4.09	7.17	2.2	2.3	7.6		
KE4-100L-2	3	4	2935	89.1	89.1	87.3	0.87	5.88	5.59	5.38	9.76	2.2	2.3	7.8		
KE4-112M-2	4	5.5	2940	90.0	90.0	88.2	0.88	7.67	7.29	7.03	13	2.2	2.3	8.3		
KE4-132S1-2	5.5	7.5	2945	90.9	90.9	89.1	0.88	10.4	9.9	9.57	17.8	2.0	2.3	8.3		
KE4-132S2-2	7.5	10	2950	91.7	91.7	89.9	0.88	14.1	13.4	12.9	24.3	2.0	2.3	7.9		
KE4-160M1-2	11	15	2960	92.6	92.6	90.7	0.89	20.3	19.3	18.6	35.5	2.0	2.3	8.1		
KE4-160M2-2	15	20	2960	93.3	93.3	91.4	0.89	27.4	26.1	25.1	48.4	2.0	2.3	8.1		
KE4-160L-2	18.5	25	2960	93.7	93.7	91.8	0.89	33.7	32	30.9	59.7	2.0	2.3	8.2		
KE4-180M-2	22	30	2965	94.0	94.0	92.1	0.89	40	38	36.6	70.9	2.0	2.3	8.2		
KE4-200L1-2	30	40	2970	94.5	94.5	92.6	0.89	54.2	51.5	49.6	96.5	2.0	2.3	7.6		
KE4-200L2-2	37	50	2970	94.8	94.8	92.9	0.89	66.6	63.3	61	119	2.0	2.3	7.6		
KE4-225M-2	45	60	2975	95.0	95.0	93.1	0.90	80	76	73.2	144.5	2.0	2.3	7.7		
KE4-250M-2	55	75	2975	95.3	95.3	93.4	0.90	97.4	92.6	89.2	176.6	2.0	2.3	7.7		
KE4-280S-2	75	100	2980	95.6	95.6	93.7	0.90	132	126	121	240.4	1.8	2.3	7.1		
KE4-280M-2	90	125	2982	95.8	95.8	93.9	0.90	159	151	145	288.2	1.8	2.3	7.1		
KE4-315S-2	110	150	2980	96.0	96.0	94.1	0.90	193	184	177	352.5	1.8	2.3	7.1		
KE4-315M-2	132	180	2980	96.2	96.2	94.3	0.90	232	220	212	423	1.8	2.3	7.1		
KE4-315L1-2	160	200	2980	96.3	96.3	94.4	0.91	277	264	254	512.8	1.8	2.3	7.2		
KE4-315L2-2	200	270	2980	96.5	96.5	94.6	0.91	346	329	317	640.9	1.8	2.2	7.2		
KE4-355M-2	250	340	2985	96.5	96.5	94.6	0.91	433	411	396	799.8	1.6	2.2	7.2		
KE4-355L-2	315	430	2982	96.5	96.5	94.6	0.91	545	518	499	1009	1.6	2.2	7.2		
SPEED 1500RPM 4-POLE																
KE4-631-4	0.12	0.18	1340	69.8	69.8	68.4	0.72	0.36	0.34	0.33	0.86	2.1	2.2	4.4		
KE4-632-4	0.18	0.25	1340	74.7	74.7	73.2	0.73	0.5	0.48	0.46	1.28	2.1	2.2	4.4		
KE4-711-4	0.25	0.37	1355	77.9	77.9	76.3	0.74	0.66	0.63	0.6	1.76	2.1	2.2	5.2		
KE4-712-4	0.37	0.5	1355	81.1	81.1	79.5	0.75	0.92	0.88	0.85	2.61	2.1	2.2	5.2		
KE4-801-4	0.55	0.75	1420	83.9	83.9	82.2	0.75	1.33	1.26	1.22	3.7	2.4	2.3	5.2		
KE4-802-4	0.75	1	1430	85.7	85.7	84.0	0.75	1.77	1.68	1.62	5.01	2.3	2.3	6.6		
KE4-90S-4	1.1	1.5	1445	87.2	87.2	85.5	0.76	2.52	2.4	2.31	7.27	2.3	2.3	6.8		
KE4-90L-4	1.5	2	1450	88.2	88.2	86.4	0.77	3.36	3.19	3.07	9.88	2.3	2.3	7.0		
KE4-100L1-4	2.2	3	1455	89.5	89.5	87.7	0.81	4.61	4.38	4.22	14.4	2.3	2.3	7.6		
KE4-100L2-4	3	4	1455	90.4	90.4	88.6	0.82	6.15	5.84	5.63	19.7	23	23	7.6		
KE4-112M-4	4	5.5	1460	91.1	91.1	89.3	0.82	8.14	7.73							



高效电动机
HIGH EFFICIENCY MOTOR

KE4 (IE4) 技术参数 TECHNICAL DATA

型号 Type No.	额定功率 Rated output		额定转速 Rated speed (r/min)	效率 Efficiency η% (IE4)	效率 75% 负载 Efficiency at 75% load		效率 50% 负载 Efficiency at 50% load		功率因数 Power factor cosΦ	额定电流 Rated current(A)			额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn	最大转矩 额定转矩 Tmax/Tn	堵转电流 额定电流 Is/In	50HZ					
	kW	HP			380V	400V	415V	额定电流 Rated current(A)		额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn	最大转矩 额定转矩 Tmax/Tn			堵转电流 额定电流 Is/In		额定电流 Rated current(A)	额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn	最大转矩 额定转矩 Tmax/Tn	堵转电流 额定电流 Is/In	
	SPEED 1000RPM 6-POLE																					
KE4-632-6	0.12	0.18	860	64.9	64.9	63.6	0.60	0.47	0.44	0.43	1.33	1.8	1.9	3.5								
KE4-711-6	0.18	0.25	860	70.1	70.1	68.7	0.66	0.59	0.56	0.54	2.0	1.9	2.0	4.0								
KE4-712-6	0.25	0.37	860	74.1	74.1	72.6	0.68	0.75	0.72	0.69	2.78	1.9	2.0	4.0								
KE4-801-6	0.37	0.5	895	78.0	78.0	76.4	0.70	1.03	0.98	0.94	3.95	1.9	2.0	4.7								
KE4-802-6	0.55	0.75	895	80.9	80.9	79.3	0.72	1.43	1.36	1.31	5.87	1.9	2.1	4.7								
KE4-90S-6	0.75	1	950	82.7	82.7	81.0	0.71	1.94	1.84	1.78	7.54	2.0	2.1	6.0								
KE4-90L-6	1.1	1.5	955	84.5	84.5	82.8	0.73	2.71	2.57	2.48	11.0	2.0	2.1	6.0								
KE4-100L-6	1.5	2	960	85.9	85.9	84.2	0.73	3.63	3.45	3.33	14.9	2.0	2.1	6.5								
KE4-112M-6	2.2	3	965	87.4	87.4	85.7	0.74	5.17	4.91	4.73	21.8	2.0	2.1	6.6								
KE4-132S-6	3	4	970	88.6	88.6	86.8	0.74	6.95	6.6	6.37	29.5	2.0	2.1	6.8								
KE4-132M1-6	4	5.5	975	89.5	89.5	87.7	0.74	9.18	8.72	8.4	39.2	2.0	2.1	6.8								
KE4-132M2-6	5.5	7.5	975	90.5	90.5	88.7	0.75	123	11.7	11.3	53.9	2.0	2.1	7.0								
KE4-160M-6	7.5	10	980	91.3	91.3	89.5	0.79	15.8	15	14.5	73.1	2.0	2.1	7.0								
KE4-160L-6	11	15	980	92.3	92.3	90.5	0.80	22.6	21.5	20.7	107.2	2.0	2.1	7.2								
KE4-180L-6	15	20	985	92.9	92.9	91.0	0.81	30.3	28.8	27.7	145.4	2.0	2.1	7.3								
KE4-200L1-6	18.5	25	985	93.4	93.4	91.5	0.81	37.2	35.3	34	179.4	2.0	2.1	73								
KE4-200L2-6	22	30	985	93.7	93.7	91.8	0.81	44	41.8	403	213.3	2.0	2.1	7.4								
KE4-225M-6	30	40	990	94.2	94.2	92.3	0.83	58.3	55.4	53.4	289.4	2.0	2.1	6.9								
KE4-250M-6	37	50	990	94.5	94.5	92.6	0.84	70.8	67.3	64.8	356.9	2.0	2.1	7.1								
KE4-280S-6	45	60	990	94.8	94.8	92.9	0.85	84.8	80.6	77.7	434.1	2.0	2.0	7.3								
KE4-280M-6	55	75	990	95.1	95.1	93.2	0.86	102	97.1	93.6	530.6	2.0	2.0	7.3								
KE4-315S-6	75	100	990	95.4	95.4	93.5	0.84	142	135	130	723.5	2.0	2.0	6.6								
KE4-315M-6	90	125	990	95.6	95.6	93.7	0.85	168	160	154	868.2	2.0	2.0	6.7								
KE4-315L1-6	110	150	990	95.8	95.8	93.9	0.85	205	195	188	1061	2.0	2.0	6.7								
KE4-315L2-6	132	180	990	96.0	96.0	94.1	0.86	243	231	222	1273	2.0	2.0	6.8								
KE4-355M1-6	160	200	990	96.2	96.2	94.3	0.86	294	279	269	1543	1.8	2.0	6.8								
KE4-355M2-6	200	270	990	96.3	96.3	94.4	0.87	363	345	332	1929	1.8	2.0	6.8								
KE4-355L-6	250	340	990	96.5	96.5	94.6	0.87	452	430	414	2412	1.8	2.0	6.8								

高效电动机
HIGH EFFICIENCY MOTOR

KE4 (IE4) 技术参数 TECHNICAL DATA

型号 Type No.	额定功率 Rated output		额定转速 Rated speed (r/min)	效率 Efficiency η% (IE4)	效率 75% 负载 Efficiency at 75% load		效率 50% 负载 Efficiency at 50% load		功率因数 Power factor cosΦ	额定电流 Rated current(A)			额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn	最大转矩 额定转矩 Tmax/Tn	堵转电流 额定电流 Is/In	50HZ					
	kW	HP			380V	400V	415V	额定电流 Rated current(A)		额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn	最大转矩 额定转矩 Tmax/Tn	堵转电流 额定电流 Is/In			额定电流 Rated current(A)	额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn				



KE5 (IE5)

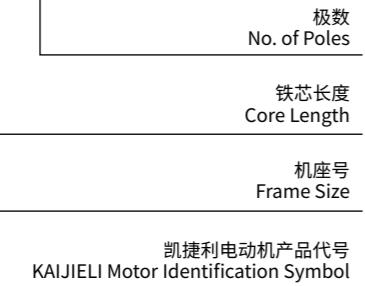
系列超高效三相异步电动机

Series Super Premium Efficiency Three-Phase
Asynchronous Motor



型号说明
TYPE DEFINITION

KE5 - 315 S - 6



KE5 (IE5) 技术参数 TECHNICAL DATA



50HZ

型号 Type No.	额定功率 Rated output		额定转速 Rated speed (r/min)	效率 Efficiency η% (IE5)	效率 75% 负载 Efficiency at 75% load	效率 50% 负载 Efficiency at 50% load	功率因数 Power factor cosΦ	额定电流 Rated current(A)			额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn	最大转矩 额定转矩 Tmax/Tn	堵转电流 额定电流 Is/In
	kW	HP						380V	400V	415V				
SPEED 3000RPM 2-POLE														
KE5-631-2	0.18	0.25	2745	75.2	75.2	73.7	0.8	0.45	0.43	0.42	0.63	2.2	2.2	5.5
KE5-632-2	0.25	0.37	2745	78.3	78.3	76.7	0.81	0.6	0.57	0.55	0.87	2.2	2.2	5.5
KE5-711-2	0.37	0.5	2765	81.7	81.7	80.1	0.81	0.85	0.81	0.78	1.28	2.2	2.2	6.1
KE5-712-2	0.55	0.75	2765	84.6	84.6	82.9	0.82	1.2	1.14	1.1	1.9	2.3	2.3	6.1
KE5-801-2	0.75	1	2910	86.3	86.3	84.6	0.82	1.61	1.53	1.47	2.46	2.3	2.3	8.5
KE5-802-2	1.1	1.5	2920	87.8	87.8	86.0	0.83	2.29	2.18	2.1	3.6	2.2	2.3	8.5
KE5-90S-2	1.5	2	2930	88.9	88.9	87.1	0.84	3.05	2.9	2.79	4.89	2.2	2.3	9.0
KE5-90L-2	2.2	3	2930	90.2	90.2	88.4	0.85	4.36	4.14	3.99	7.17	2.2	2.3	9.0
KE5-100L-2	3	4	2935	91.1	91.1	89.3	0.87	5.75	5.46	5.27	9.76	2.2	2.3	9.5
KE5-112M-2	4	5.5	2940	91.8	91.8	90.0	0.88	7.52	7.15	6.89	13.0	2.2	2.3	9.5
KE5-132S1-2	5.5	7.5	2945	92.6	92.6	90.7	0.88	10.3	9.7	9.39	17.8	2.0	2.3	9.5
KE5-132S2-2	7.5	10	2950	93.3	93.3	91.4	0.88	13.9	13.2	12.7	24.3	2.0	2.3	9.5
KE5-160M1-2	11	15	2960	94.0	94.0	92.1	0.89	20	19	18.3	35.5	2.0	2.3	9.5
KE5-160M2-2	15	20	2960	94.5	94.5	92.6	0.89	27.1	25.7	24.8	48.4	2.0	2.3	9.5
KE5-160L-2	18.5	25	2960	94.9	94.9	93.0	0.89	33.3	31.6	30.5	59.7	2.0	2.3	9.5
KE5-180M-2	22	30	2965	95.1	95.1	93.2	0.89	39.5	37.5	36.2	70.9	2.0	2.3	9.5
KE5-200L1-2	30	40	2970	95.5	95.5	93.6	0.89	53.6	50.9	49.1	96.5	2.0	2.3	9.0
KE5-200L2-2	37	50	2970	95.8	95.8	93.9	0.89	65.9	62.6	60.4	119	2.0	2.3	9.0
KE5-225M-2	45	60	2975	96.0	96.0	94.1	0.9	79.1	75.2	72.5	144.5	2.0	2.3	9.0
KE5-250M-2	55	75	2975	96.2	96.2	94.3	0.9	96.5	91.7	88.4	176.6	2.0	2.3	9.0
KE5-280S-2	75	100	2980	96.5	96.5	94.6	0.9	131	125	120	240.4	1.8	2.3	3.5
KE5-280M-2	90	125	2982	96.6	96.6	94.7	0.9	157	149	144	288.2	1.8	2.3	8.5
KE5-315S-2	110	150	2980	96.8	96.8	94.9	0.9	192	182	176	352.5	1.8	2.3	8.5
KE5-315M-2	132	180	2980	96.9	96.9	95.0	0.9	230	218	211	423	1.8	2.3	8.5
KE5-315L1-2	160	220	2980	97.0	97.0	95.1	0.91	275	262	252	512.8	1.8	2.3	8.5
KE5-315L2-2	200	270	2980	97.2	97.2	95.3	0.91	344	326	315	640.9	1.8	2.2	8.5
KE5-355M-2	250	340	2985	97.2	97.2	95.3	0.91	429	408	393	799.8	1.6	2.2	8.5
KE5-355L-2	315	430	2982	97.2	97.2	95.3	0.91	541	514	495	1009	1.6	2.2	8.5
SPEED 1500RPM 4-POLE														
KE5-631-4	0.12	0.18	1340	74.3	74.3	72.8	0.72	0.34	0.32	0.31	0.86	2.1	2.2	4.4
KE5-632-4	0.18	0.25	1340	78.7	78.7	77.1	0.73	0.48	0.45	0.44	1.28	2.1	2.2	4.4
KE5-711-4	0.25	0.37	1355	81.5	81.5	79.9	0.74	0.63	0.6	0.58	1.76	2.1	2.2	5.2
KE5-712-4	0.37	0.5	1355	84.3	84.3	82.6	0.75	0.89	0.84	0.81	2.61	2.1	2.2	5.2
KE5-801-4	0.55	0.75	1420	86.7	86.7	85.0	0.75	1.29	1.22	1.18	3.7	2.4	2.3	5.2
KE5-802-4	0.75	1	1430	88.2	88.2	86.4	0.75	1.72	1.64	1.58	5.01	2.3	2.3	8.5
KE5-90S-4	1.1	1.5	1445	89.5	89.5	87.7	0.76	2.46	2.33	2.25	7.27	2.3	2.3	8.5
KE5-90L-4	1.5	2	1450	90.4	90.4	88.6	0.77	3.27	3.11	3	9.88	2.3	2.3	9.0
KE5-100L1-4	2.2	3	1455	91.4	91.4	89.6	0.81	4.51	4.29	4.13	14.4	2.3	2.3	9.0
KE5-100L2-4	3	4	1455	92.1	92.1	90.3	0.82	6.04	5.73	5.53	19.7	2.3	2.3	9.5
KE5-112M-4	4	5.5	1460	92.8	92.8	90.9	0.82	7.99	7.59	7.31	26.2	2.2	2.3	9.5
KE5-132S-4	5.5	7.5	1470	93.4	93.4	91.5	0.83	10.8	10.2	9.87	35.7	2.0	2.3	9.5
KE5-132M-4	7.5	10	1470	94.0	94.0	92.1	0.84	14.4	13.7	13.2	48.7	2.0	2.3	9.5
KE5-160M-4	11	15												



高效电动机
HIGH EFFICIENCY MOTOR

KE5 (IE5) 技术参数 TECHNICAL DATA

型号 Type No.	额定功率 Rated output		额定转速 Rated speed (r/min)	效率 Efficiency η% (IE5)	效率 75% 负载 Efficiency at 75% load		效率 50% 负载 Efficiency at 50% load		功率因数 Power factor cosΦ	额定电流 Rated current(A)		额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn	最大转矩 额定转矩 Tmax/Tn	堵转电流 额定电流 Is/In	50HZ					
	kW	HP			380V	400V	415V	额定电流 Rated current(A)		额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn		最大转矩 额定转矩 Tmax/Tn		堵转电流 额定电流 Is/In	额定电流 Rated current(A)	额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn	最大转矩 额定转矩 Tmax/Tn	堵转电流 额定电流 Is/In	
	SPEED 1000RPM 6-POLE																				
KE5-632-6	0.12	0.18	860	69.8	69.8	68.4	0.6	0.44	0.41	0.4	1.33	1.8	1.9	3.5							
KE5-711-6	0.18	0.25	860	74.6	74.6	73.1	0.66	0.56	0.53	0.51	2.0	1.9	2.0	4.0							
KE5-712-6	0.25	0.37	860	78.1	78.1	76.5	0.68	0.72	0.68	0.65	2.78	1.9	2.0	4.0							
KE5-801-6	0.37	0.5	895	81.6	81.6	80.0	0.7	0.98	0.93	0.9	3.95	1.9	2.0	4.7							
KE5-802-6	0.55	0.75	895	84.2	84.2	82.5	0.72	1.38	1.31	1.26	5.87	1.9	2.1	4.7							
KE5-90S-6	0.75	1	950	85.7	85.7	84.0	0.71	1.87	1.78	1.71	7.54	2.0	2.1	7.5							
KE5-90L-6	1.1	1.5	955	87.2	87.2	85.5	0.73	2.63	2.49	2.4	11.0	2.0	2.1	7.5							
KE5-100L-6	1.5	2	960	88.4	88.4	86.6	0.73	3.53	3.36	3.23	14.9	2.0	2.1	7.5							
KE5-112M-6	2.2	3	965	89.7	89.7	87.9	0.74	5.04	4.78	4.61	21.8	2.0	2.1	7.5							
KE5-132S-6	3	4	970	90.6	90.6	88.8	0.74	6.8	6.46	6.23	29.5	2.0	2.1	7.5							
KE5-132M1-6	4	5.5	975	91.4	91.4	89.6	0.74	8.99	8.54	8.23	39.2	2.0	2.1	8.0							
KE5-132M2-6	5.5	7.5	975	92.2	92.2	90.4	0.75	12.1	11.5	11.1	53.9	2.0	2.1	8.0							
KE5-160M-6	7.5	10	980	92.9	92.9	91.0	0.79	15.5	14.8	14.2	73.1	2.0	2.1	8.0							
KE5-160L-6	11	15	980	93.7	93.7	91.8	0.8	22.3	21.2	20.4	107.2	2.0	2.1	8.5							
KE5-180L-6	15	20	985	94.3	94.3	92.4	0.81	29.8	28.3	27.3	145.4	2.0	2.1	8.5							
KE5-200L1-6	18.5	25	985	94.6	94.6	92.7	0.81	36.7	34.8	33.6	179.4	2.0	2.1	8.5							
KE5-200L2-6	22	30	985	94.9	94.9	93.0	0.81	43.5	41.3	39.8	2133	2.0	2.1	8.5							
KE5-225M-6	30	40	990	95.3	95.3	93.4	0.83	57.6	54.7	52.8	289.4	2.0	2.1	8.3							
KE5-250M-6	37	50	990	95.6	95.6	93.7	0.84	70	66.5	64.1	356.9	2.0	2.1	8.3							
KE5-280S-6	45	60	990	95.8	95.8	93.9	0.85	84	79.8	76.9	434.1	2.0	2.0	8.5							
KE5-280M-6	55	75	990	96.0	96.0	94.1	0.86	101	96.2	92.7	530.6	2.0	2.0	8.5							
KE5-315S-6	75	100	990	96.3	96.3	94.4	0.84	141	134	129	723.5	2.0	2.0	8.0							
KE5-315M-6	90	125	990	96.5	96.5	94.6	0.85	167	158	153	868.2	2.0	2.0	8.0							
KE5-315L1-6	110	150	990	96.6	96.6	94.7	0.85	204	193	186	1061	2.0	2.0	8.0							
KE5-315L2-6	132	180	990	96.8	96.8	94.9	0.86	241	229	221	1273	2.0	2.0	8.0							
KE5-355M1-6	160	220	990	96.9	96.9	95.0	0.86	292	277	267	1543	1.8	2.0	8.0							
KE5-355M2-6	200	270	990	97.0	97.0	95.1	0.87	360	342	330	1929	1.8	2.0	8.0							
KE5-355L-6	250	340	990	97.0	97.0	95.1	0.87	450	428	412	2412	1.8	2.0	8.0							

高效电动机
HIGH EFFICIENCY MOTOR

KE5 (IE5) 技术参数 TECHNICAL DATA

型号 Type No.	额定功率 Rated output		额定转速 Rated speed (r/min)	效率 Efficiency η% (IE5)	效率 75% 负载 Efficiency at 75% load		效率 50% 负载 Efficiency at 50% load		功率因数 Power factor cosΦ	额定电流 Rated current(A)		额定转矩 Rated Torque (N.m)	堵转转矩 额定转矩 Ts/Tn	最大转矩 额定转矩 Tmax/Tn	堵转电流 额定电流 Is/In	50HZ					
	kW	HP			380V	400V	415V</th														

АИР | GOST 标准 СТАНДАРТ ГОСТ

系列三相异步电动机
Трехфазные асинхронные
электродвигатели



总体描述 ОБЩЕЕ ОПИСАНИЕ

АИР电机，是我司针对东欧市场推出的标准电机。АИР电机(GOST 标准)系列基本为1000V以下，50Hz 或 60Hz，采用 S1 工作制，机座号从 H71-H355，极数为 2P, 4P, 6P, 8P 电机，功率范围 0.75KW-375KW。

АИР电机是采用优质材料进行最新式整体设计，具有性能好，噪音低，振动小，运行安全可靠等优点。电机可广泛应用于水泵，风机，机床，减速机，包装机械，矿山机械，建筑机械等各类传动机械专业。

Двигатели АИР - это наши стандартные двигатели для восточноевропейского рынка. Двигатели серии АИР являются стандартными двигателями для восточноевропейского рынка. Двигатели серии АИР (GOST стандарт) основное требование ниже 1000В, 50Hz или 60Hz, принимая S1 рабочей системы, с количеством шасси от H71-H355, количество ступеней 2P, 4P, 6P, 8P двигателей, диапазон мощности 0.75KW-375KW. Двигатели АИР изготовлены из высококачественных материалов с новейшей общей конструкцией,

которые имеют преимущества хорошей производительности, низкого шума, низкой вибрации, безопасной и надежной работы. Новейший дизайн, хорошая производительность, низкий уровень шума, низкая вибрация, безопасная и надежная работа и другие преимущества. Двигатели могут широко использоваться в насосах, вентиляторах, станках, редукторах, упаковочном оборудовании, горном оборудовании, строительной технике и других типах передаточных механизмов.

GOST 标准电动机 СТАНДАРТ ГОСТ ЭЛЕКТРОДВИГАТЕЛИ

GOST 标准电动机 СТАНДАРТ ГОСТ ЭЛЕКТРОДВИГАТЕЛИ

型号说明 КОДИРОВКА НАИМЕНОВАНИЯ

АИР - 200 M - 4

极数 (2,4,6,8,10)
ЧИСЛО ПОЛКСОВ (2,4,6,8,10)

铁芯长度
УСТАНОВОЧНЫЙ РАЗМЕР ПО ДЛИНЕ СТАНИНЫ

机座中心高 (mm)
ВЫСОТА ОСИ ВРАЩЕНИЯ,(mm)

电机代号
ОБОЗНАЧЕНИЕ СЕРИИ

轴承规格

Model подшипника

机座号范围 Габарит двигателя	极数 Количество полюсов	轴伸端 На нагруженной цапфе вала		非轴伸端 На ненагруженной цапфе вала
		IMB3/IM1081/IM1001	IMB5/IM3081/IM3001	
71	2, 4, 6	6204 ZZ-C3	6204 ZZ-C3	6202 ZZ-C3
80	2, 4, 6, 8	6205 ZZ-C3	6205 ZZ-C3	6204 ZZ-C3
90	2, 4, 6, 8	6205 ZZ-C3	6205 ZZ-C3	6205 ZZ-C3
100	2, 4, 6, 8	6206 ZZ-C3	6206 ZZ-C3	6206 ZZ-C3
112	2, 4, 6, 8	6208 ZZ-C3	6208 ZZ-C3	6208 ZZ-C3
132	2, 4, 6, 8	6308 ZZ-C3	6308 ZZ-C3	6208 ZZ-C3
160	2 4, 6, 8	6309-C3 6310-C3	6309-C3 6310-C3	6309-C3 6309-C3
180	2 4, 6, 8	6311-C3 6312-C3	6311-C3 6312-C3	6311-C3 6311-C3
200	2 4, 6, 8	6312-C3 6313-C3	6312-C3 6313-C3	6312-C3 6312/6313-C3
225	2 4, 6, 8	6313-C3 6314-C3	6313-C3 6314-C3	6313-C3 6313-C3
250	2 4, 6, 8	6314-C3 6316-C3	6314-C3 6316-C3	6314-C3 6314-C3
280	2 4, 6, 8	NU217-C3 NU317-C3	NU217-C3 NU317-C3	6314-C3 6317-C3
315	2 4, 6, 8	NU217-C3 NU319-C3	NU217-C3 NU319-C3	6317-C3 6319-C3
335	2 4, 6, 8	NU219-C3 NU322-C3	NU219-C3 NU322-C3	6319-C3 6322-C3

接线盒出线孔

Параметры отверстия для силового кабеля

接线盒分档 № п/п	电机规格 Габарит двигателя	最大满载电流 Max. ток под нагрузкой	出线孔尺寸 Размер отверстия для кабельного ввода
1	H71-80	2.6	1×PG16 1×M20×1.5
2	H90-100	6.8	1×PG16 1×M20×1.5
3	H112-132	15.4	2×PG21 2×M32×1.5
4	H160-180	42.5	2×PG29 2×M40×1.5
5	H200-225	84.2	2×PG36 2×M50×1.5
6	H250-280	166.6	2×PG42 2×M63×1.5
7	H315	358	2×PG48 2×M63×1.5
8	H355	546	2×PG48 2×M63×1.5



GOST 标准电动机
СТАНДАРТ ГОСТ ЭЛЕКТРОДВИГАТЕЛИ

АИР

技术参数 ТЕХНИЧЕСКИЕ ПАРАМЕТРЫ

50Гц

型号 тип	额定功率 输出功率, кВт		额定转速 转速, об/мин (r/min)	额定电流 Номинальный ток, A		效率 КПД%	功率因数 Коэффициент мощности	堵转转矩 额定转矩 Mпуск/ Mном Ts	最大转矩 额定转矩 Mмакс/ Mном Tmax	堵转电流 额定电流 Ipуск/ Inом Is	转动惯量 Dинамический момент инерции ротора	噪音 уровень шума, дБ	净重 Massа kg	
	kW	HP		220V	380V									
Синхронная скорость вращения 3000 об/мин, 2 полса,														
АИР-56A-2	0.18	0.25	2720	0.91	0.53	0.3	65.0	0.80	2.2	2.2	5.3	0.00031	56	4.9
АИР-56B-2	0.25	0.37	2720	1.19	0.69	0.4	68.0	0.81	2.2	2.2	5.3	0.0006	56	5.2
АИР-63A-2	0.37	0.5	2740	1.71	0.99	0.57	70.0	0.81	2.2	2.2	5.8	0.00075	57	6
АИР-63B-2	0.55	0.75	2740	2.41	1.4	0.8	73.0	0.82	2.2	2.3	5.8	0.0009	57	6.5
АИР-71A-2	0.75	1	2840	3.16	1.83	1.05	75.1	0.83	2.2	2.3	6.1	0.0008	61	11
АИР-71B-2	1.1	1.5	2840	4.46	2.58	1.49	77.0	0.84	2.2	2.3	6.7	0.0009	61	12.5
АИР-80A-2	1.5	2	2840	6.01	3.48	2	78.0	0.84	2.2	2.3	6.7	0.0018	62	15.5
АИР-80B-2	2.2	3	2840	8.39	4.85	2.8	81.0	0.85	2.2	2.3	7.0	0.0021	62	19.5
АИР-90L-2	3	4	2830	11	6.39	3.68	83.0	0.86	2.2	2.3	7.0	0.0029	64	23
АИР-100S-2	4	5.5	2880	14	8.12	4.68	85.0	0.88	2.2	2.3	7.5	0.0055	66	32
АИР-100L-2	5.5	7.5	2880	19.1	11	6.36	86.0	0.88	2.2	2.3	7.5	0.0109	66	36
АИР-112M-2	7.5	10	2885	25.7	14.9	8.57	88.0	0.87	2.2	2.3	7.0	0.0126	69	50
АИР-132M-2	11	15	2920	38.1	22.1	12.7	88.0	0.86	2.2	2.3	7.5	0.024	74	89
АИР-160S-2	15	20	2930	49.4	28.6	16.5	89.5	0.89	2.2	2.3	7.5	0.039	74	120
АИР-160M-2	18.5	25	2935	59.9	34.7	20	90.0	0.90	2.2	2.3	7.5	0.045	78	140
АИР-180S-2	22	30	2945	70.9	41	23.6	90.5	0.90	2.0	2.3	7.5	0.063	78	170
АИР-180M-2	30	40	2945	96.7	56	32.2	90.5	0.90	2.0	2.3	7.5	0.076	82	203
АИР-200M-2	37	50	2950	119	69.1	39.8	92.5	0.88	2.0	2.3	7.0	0.13	82	248
АИР-200L-2	45	60	2955	145	84	48.4	92.5	0.88	2.0	2.3	7.0	0.15	84	255
АИР-225M-2	55	75	2960	172	99.8	57.5	93.0	0.90	2.2	2.3	7.5	0.21	84	328
АИР-250S-2	75	100	2970	238	138	79.3	93.0	0.89	2.0	2.4	7.0	0.47	84	480
АИР-250M-2	90	125	2970	282	163	94.1	93.0	0.90	2.0	2.4	7.0	0.52	86	525
АИР-280S-2	110	150	2980	347	201	116	93.5	0.89	2.0	2.2	7.0	0.85	86	610
АИР-280M-2	132	180	2980	414	240	138	94.0	0.89	1.8	2.2	7.0	1.02	86	695
АИР-315S-2	160	220	2975	481	279	160	94.8	0.92	1.8	2.2	7.1	2.08	87	1055
АИР-315M-2	200	270	2975	601	348	200	95.0	0.92	1.8	2.2	7.1	2.38	87	1110
АИР-355S-2	250	340	2980	748	433	249	95.4	0.92	1.8	2.2	7.1	3	103	1900
АИР-355M-2	315	430	2980	941	545	314	95.5	0.92	1.8	2.2	7.0	3.5	103	2300
Синхронная скорость вращения 1500 об/мин, 4 полса														
АИР-56A-4	0.12	0.17	1310	0.77	0.44	0.26	57.0	0.72	2.1	2.2	4.6	0.0005	48	4.9
АИР-56B-4	0.18	0.25	1310	1.08	0.62	0.36	60.0	0.73	2.1	2.2	5.0	0.0006	48	5.2
АИР-63A-4	0.25	0.37	1330	1.36	0.79	0.45	65.0	0.74	2.1	2.2	5.2	0.0008	52	6.1
АИР-63B-4	0.37	0.5	1330	1.93	1.12	0.64	67.0	0.75	2.1	2.2	5.2	0.0013	52	6.4
АИР-71A-4	0.55	0.75	1390	2.71	1.57	0.9	71.1	0.75	2.2	2.3	5.7	0.0018	55	11
АИР-71B-4	0.75	1	1390	4.18	2.42	1.39	62.0	0.76	2.2	2.3	5.7	0.0021	55	13
АИР-80A-4	1.1	1.5	1390	4.93	2.86	1.64	76.0	0.77	2.3	2.3	6.2	0.0034	57	16
АИР-80B-4	1.5	2	1390	6.39	3.7	2.13	78.0	0.79	2.3	2.3	6.5	0.0036	57	19.5
АИР-90L-4	2.2	3	1410	8.8	5.1	2.93	80.0	0.82	2.3	2.3	7.0	0.0055	58	25
АИР-100S-4	3	4	1430	11.7	6.78	3.9	82.0	0.82	2.2	2.3	7.0	0.0068	60	35
АИР-100L-4	4	5.5	1430	15.2	8.82	5.08	84.0	0.82	2.2	2.3	7.0	0.0096	60	37
АИР-112M-4	5.5	7.5	1435	20.5	11.8	6.82	86.0	0.82	2.3	2.3	7.0	0.02	59	55
АИР-132S-4	7.5	10	1435	27.3	15.8	9.09	87.0	0.83	2.3	2.3	7.0	0.32	59	79

GOST 标准电动机
СТАНДАРТ ГОСТ ЭЛЕКТРОДВИГАТЕЛИ

技术参数 ТЕХНИЧЕСКИЕ ПАРАМЕТРЫ



50Гц

型号 тип	额定功率 输出功率, кВт		额定转速 转速, об/мин (r/min)	额定电流 Номинальный ток, A		效率 КПД%	功率因数 Коэффициент мощности	堵转转矩 额定转矩 Mпуск/ Mном Ts	最大转矩 额定转矩 Mмакс/ Mном Tmax	堵转电流 额定电流 Ipуск/ Inом Is	转动惯量 Dинамический момент инерции ротора	噪音 уровень шума, дБ	净重 Massа kg
kW	HP	2											



GOST 标准电动机
СТАНДАРТ ГОСТ ЭЛЕКТРОДВИГАТЕЛИ

АИР

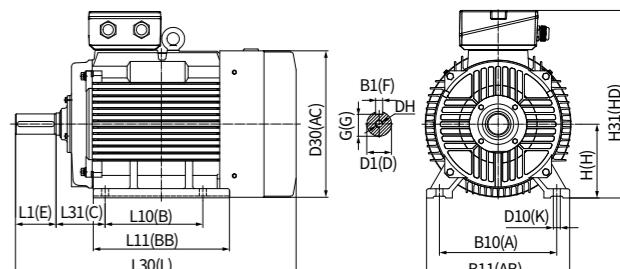
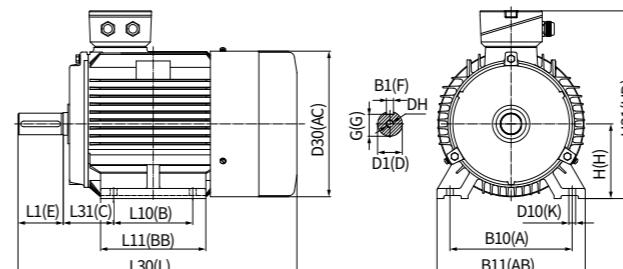
技术参数 ТЕХНИЧЕСКИЕ ПАРАМЕТРЫ

型号 Typ	额定功率 Выходная мощность, кВт		额定转速 Частота вращения вала двигателя, об/мин (r/min)	额定电流 Номинальный ток, A			效率 КПД%	功率因数 Коэффициент мощности	堵转转矩 额定转矩 Mпуск/ Mном Ts	最大转矩 额定转矩 Mмакс/ Mном Tmax	堵转电流 额定电流 Ипуск/ Iном Is	转动惯量 Динамический момент инерции ротора	噪音 уровень щума, дБ	净重 Massa kg
	kW	HP		220V	380V	660V								
Синхронная скорость вращения 750 об/мин, 8 полса														
АИР-71B-8	0.25	0.37	645	1.99	1.15	0.66	54.0	0.61	1.8	1.9	4.0	0.003	43	10.5
АИР-80A-8	0.37	0.5	670	2.57	1.49	0.86	62.0	0.61	1.8	1.9	4.3	0.0053	45	17
АИР-80B-8	0.55	0.75	670	3.76	2.17	1.25	63.0	0.61	1.8	2.0	4.0	0.0066	45	19
АИР-90LA-8	0.75	1	685	4.02	2.33	1.34	72.0	0.68	1.8	2.0	4.0	0.0094	50	25
АИР-90LB-8	1.1	1.5	690	5.9	3.41	1.97	72.0	0.68	1.8	2.0	4.0	0.01	50	28
АИР-100L-8	1.5	2	700	7.5	4.34	2.5	75.0	0.70	1.8	2.0	5.0	0.025	53	39
АИР-112MA-8	2.2	3	700	10.4	6.04	3.48	78.0	0.71	1.8	2.0	4.0	0.031	55	47
АИР-112MB-8	3	4	700	14	8.13	4.68	79.0	0.71	1.8	2.0	4.0	0.037	55	53
АИР-132S-8	4	5.5	720	18.3	10.6	6.1	82.0	0.70	2.0	2.0	6.0	0.052	59	81
АИР-132M-8	5.5	7.5	720	24.2	14	8.05	83.0	0.72	2.0	2.0	6.0	0.074	59	92
АИР-160S-8	7.5	10	720	30.7	17.8	10.2	85.5	0.75	2.0	2.0	6.0	0.1	62	138
АИР-160M-8	11	15	720	43.9	25.4	14.6	86.5	0.76	2.0	2.0	5.5	0.16	62	150
АИР-180M-8	15	20	725	59.5	34.5	19.8	87.0	0.76	2.0	2.0	6.5	0.28	65	205
АИР-200M-8	18.5	25	730	71.8	41.6	23.9	89.0	0.76	1.8	2.0	6.6	0.42	65	248
АИР-200L-8	22	30	730	85.4	49.4	28.5	89.0	0.76	2.0	2.3	6.6	0.45	65	262
АИР-225M-8	30	40	730	112	65	37.5	91.0	0.77	1.9	2.0	6.6	0.69	68	335
АИР-250S-8	37	50	735	142	82.4	47.4	91.0	0.75	1.8	2.0	6.5	1.21	69	490
АИР-250M-8	45	60	735	171	99.1	57.1	92.0	0.75	1.9	2.0	7.0	1.42	69	535
АИР-280S-8	55	75	740	209	121	69.7	92.0	0.75	1.8	2.0	6.6	3.28	70	615
АИР-280M-8	75	100	740	266	154	88.7	92.5	0.80	1.8	2.0	6.6	4.02	70	695
АИР-315S-8	90	125	735	307	178	102	93.8	0.82	1.8	2.0	6.6	6.37	73	1055
АИР-315M-8	110	150	735	375	217	125	94.0	0.82	1.8	2.0	6.4	7.23	73	1118
АИР-355S-8	132	180	740	451	261	150	93.7	0.82	1.8	2.0	6.4	7.9	75	2000
АИР-355M-8	160	220	740	544	315	181	94.2	0.82	1.8	2.0	6.4	10.3	80	2150
АИР-355MB-8	200	270	740	669	387	223	94.5	0.83	1.8	2.0	6.4	12.3	83	2250
Синхронная скорость вращения 600 об/мин, 10 полса														
АИР-250S-10	22	30	585	95.9	55.5	32	86.0	0.70	1.6	2.0	6.0	1.21	68	495
АИР-250M-10	30	40	585	124	73.6	42.4	88.5	0.70	1.6	2.0	6.0	1.35	68	535
АИР-280S-10	37	50	590	156	90.2	52	89.0	0.70	1.6	2.0	6.0	3.14	70	618
АИР-280M-10	45	60	590	180	104	60.1	91.0	0.72	1.6	2.0	6.0	4.07	70	700
АИР-315S-10	55	75	590	209	121	69.7	92.0	0.75	1.5	2.0	6.2	6.05	78	928
АИР-315M-10	75	100	590	280	162	93.3	92.5	0.76	1.5	2.0	6.2	6.98	78	1080
АИР-355S-10	90	125	590	330	191	110	93.0	0.77	1.5	2.0	6.2	7.21	82	1200
АИР-355MA-10	110	150	590	397	230	132	93.2	0.78	1.3	2.0	6.0	13.8	72	1800
АИР-355MB-10	132	180	590	475	275	158	93.5	0.78	1.3	2.0	6.0	15	88	2500
АИР-355M-10	160	220	590	576	333	192	93.5	0.78	1.3	2.0	6.0	16.64	88	2500

GOST 标准电动机
СТАНДАРТ ГОСТ ЭЛЕКТРОДВИГАТЕЛИ

АИР

安装及外形尺寸 МОНТАЖНЫЕ РАЗМЕРЫ И ГАБАРИТЫ

IM B3/IM1081/IM1001 H71~355

机座号 Размер	极数 Количество полюсов	安装尺寸 При соединительные размеры (mm)										外形尺寸 Габаритные размеры (mm)			
		L10 B	L11 BB	L31 C	D1 D	G G	K F	B10 A	B11 AB	H H	DH	L L	HD HD	AC AC	E E
71	2, 4, 6	90	120	45	19	15.5	7	6	112	150	71	300	195	145	40
80A	2, 4,														

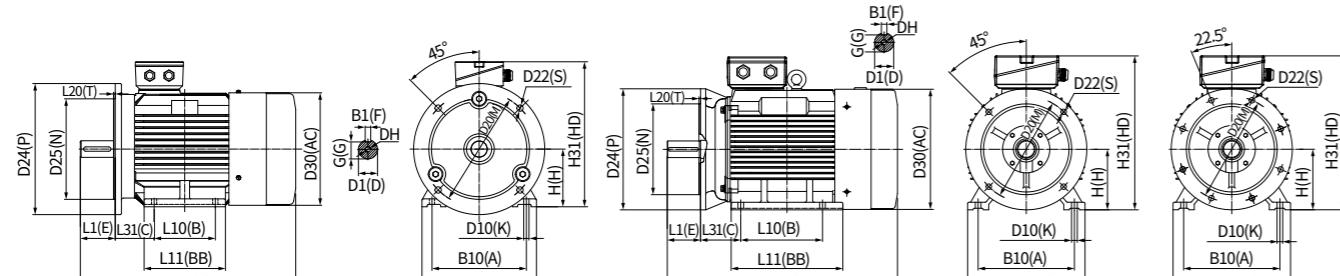


GOST 标准电动机
СТАНДАРТ ГОСТ ЭЛЕКТРОДВИГАТЕЛИ

АИР

安装及外形尺寸 МОНТАЖНЫЕ РАЗМЕРЫ И ГАБАРИТЫ

IM B35/IM2081/IM2001 H71~355



H71~132

H160~200

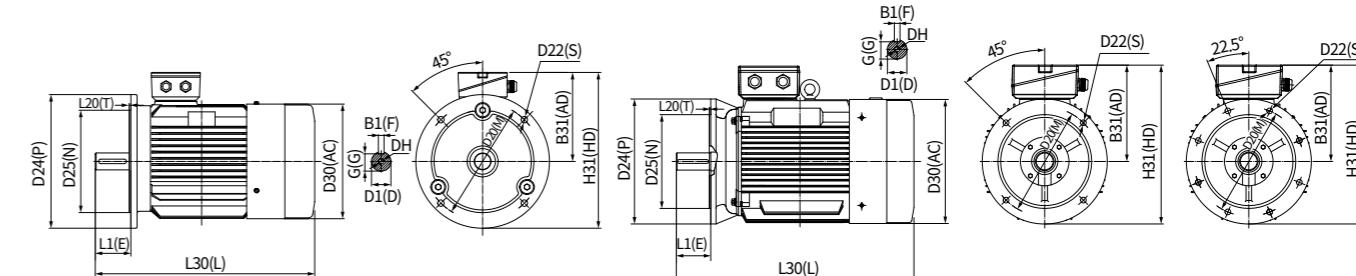
H225~355

GOST 标准电动机
СТАНДАРТ ГОСТ ЭЛЕКТРОДВИГАТЕЛИ

АИР

安装及外形尺寸 МОНТАЖНЫЕ РАЗМЕРЫ И ГАБАРИТЫ

IM B5/IM3081/IM3001 H71~355



H71~132

H160~200

H225~355

机座号 尺寸	极数 数量	安装尺寸 Присоединительные размеры (mm)												外形尺寸 Габаритные размеры (mm)							
		L10	L11	L20	L31	D1	G	D10	D20	D22	D25	B1	B10	B11	H	DH	L30	H31	D30	D24	L1
		B	BB	T	C	D	G	K	M	S	N	F	A	AB	H	L	HD	AC	P	E	
71	2, 4, 6	90	120	3.5	45	19	15.5	7	165	4×12	130	6	112	150	71	M6×1×20	300	195	145	200	40
80A	2, 4, 6, 8	100	130	3.5	50	22	18.5	10	165	4×12	130	6	125	165	80	M6×1×25	310	214	175	200	50
80B	2, 4, 6, 8	100	130	3.5	50	22	18.5	10	165	4×12	130	6	125	165	80	M6×1×25	340	214	175	200	50
90L	2, 4, 6, 8	125	155	4	56	24	20	10	215	4×15	180	8	140	180	90	M8×1.25×25	360	250	195	250	50
100S	2, 4	112	148	4	63	28	24	12	215	4×15	180	8	160	205	100	M8×1.25×35	400	270	215	250	60
100L	2, 4, 6, 8	140	176	4	63	28	24	12	215	4×15	180	8	160	205	100	M8×1.25×35	430	270	215	250	60
112MA	6, 8	140	180	4	70	32	27	12	265	4×15	230	10	190	230	112	M10×1.5×35	420	300	240	300	80
112MB	2, 4, 6, 8	140	180	4	70	32	27	12	265	4×19	230	10	190	230	112	M10×1.5×35	460	300	240	300	80
132S	4, 6, 8	140	200	5	89	38	33	12	300	4×19	250	10	216	270	132	M12×1.75×40	510	345	275	350	80
132M	2, 4, 6, 8	178	238	5	89	38	33	12	300	4×19	250	10	216	270	132	M12×1.75×40	520	345	275	350	80
160S	2	178	260	5	108	42	37	15	300	4×19	250	12	254	320	160	M16×2×40	615	420	330	350	110
160S	4, 6, 8	178	260	5	108	48	42.5	15	300	4×19	250	14	254	320	160	M16×2×40	660	420	330	350	110
160M	2	210	304	5	108	42	37	15	300	4×19	250	12	254	320	160	M16×2×40	660	420	330	350	110
160M	4, 6, 8	210	304	5	108	48	42.5	15	300	4×19	250	14	254	320	160	M16×2×40	660	420	330	350	110
180S	2	203	311	5	121	48	42.5	15	350	4×19	300	16	279	355	180	M16×2×45	700	455	380	400	110
180M	4, 6, 8	203	311	5	121	55	49	15	350	4×19	300	16	279	355	180	M16×2×45	740	455	380	400	110
180M	2	241	349	5	121	48	42.5	15	350	4×19	300	14	279	355	180	M16×2×45	740	455	380	400	110
180M	4, 6, 8	241	349	5	121	55	49	15	350	8×19	300	16	279	355	180	M16×2×45	740	455	380	400	110
200M	2	267	369	5	133	55	49	19	400	8×19	350	16	318	395	200	M16×2×45	780	505	420	450	110
200M	4, 6, 8	267	369	5	133	60	53	19	400	8×19	350	18	318	395	200	M16×2×45	800	505	420	450	140
200L	2	305	369	5	133	55	49	19	400	8×19	350	16	318	395	200	M16×2×45	780	505	420	450	110
200L	4, 6, 8	305	369	5	133	60	53	19	400	8×19	350	18	318	395	200	M16×2×45	800	505	420	450	140
225M	2	311	393	5	149	55	49	19	500	8×19	450	16	356	435	225	M16×2×45	810	560	435	550	110
225M	4, 6, 8	311	393	5	149	65	58	19	500	8×19	450	18	356	435	225	M16×2×45	850	560	435	550	140
250S	2	311	445	5	168	65	58	24	500	8×19	450	18	406	490	250	M20×2.5×60	910	615	490	550	140
250S	4, 6, 8	311	445	5	168	75	67.5	24	500	8×19	450	20	406	490	250	M20×2.5×60	925	615	490	550	140
250M	2	349	445	5	168	65	58	24	500	8×19	450	18	406	490	250	M20×2.5×60	910	615	490	550	140
250M	4, 6, 8	349	445	5	168	75	67.5	24	500	8×19	450	20	406	490	250	M20×2.5×60	924	615	490	550	140
280S	2	368	485	6	190	70	62.5	24	600	8×24	550	20	457	550	280	M20×2.5×60	960	680	560	660	140
280S	4, 6, 8	368	485	6	190	80	71	24	600	8×24	550	22	457	550	280	M20×2.5×60	1060	680	560	660	170
280M	2	419	536	6	190	70	62.5	24	600	8×24	550	20	457	550	280	M20×2.5×60	1010	680	580	6	

YC

系列大马力单相电容起动异步电动机
Series Heavy-duty Single-phase Capacitor Start Induction Motor



总体描述 GENERAL DESCRIPTION

YC 系列大马力单相电动机适用于驱动小型车床、水泵，对只有单相电源的家庭、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、运行可靠的特点，符合 IEC 标准的有关规定。

YC 系列电动机为全封闭扇冷式，输出功率 3HP 及以下采用电容起动，在额定电压下 50Hz 时起动力矩大于 3 倍，60Hz 时大于 2.75 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、噪声小、过载能力强等优点。YCL 工业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庭作坊尤为适用。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。

YCL 系列电机的外形与 YC 电机相同，与 YC 系列电机同点功率相比，YCL 系列电机的温升平均降低 8.74K，效率增加 4.21%，功率因数增加 0.16。

YC series heavy-duty single-phase motors are suitable for small size machine tools and water pumps, especially suitable for family workshops where only single-phase power be supplied. This series motors are designed with the latest technology, manufactured with the quality materials, have following features: good performance, safe and reliable operation, nice appearance, convenient maintenance, meet the IEC standards.

YC series motors are of IP44 totally enclosed fan-cooled(TEFC) type, capacitor starting for rated output up to 3HP, on rated voltage and 50Hz, the starting torque is three times more than the rated torque while 60Hz is 2.75 times more. Capacitors start and run type.

YCL series motors are similar to YC series in appearance. Comparing with the same output of YC series motors, YCL series temperature rise be reduced 8.74k on average, efficiency be increased 4.21%, power factor be increased 0.16.

overload performance.
YCL series heavy-duty capacitor start and run, single phase induction motors are suitable for driving small-size tuning machine, especially suitable for household and workshop where only need single-phase power be supplied. This series motors are designed with advanced technique and made of quality materials. It also has following features: low noise, low temperature rise, small starting current, high starting torque, reliable operation, easy maintenance and nice appearance, they also meet the relative standards of IEC.

YCL series motors are similar to YC series in appearance. Comparing with the same output of YC series motors, YCL series temperature rise be reduced 8.74k on average, efficiency be increased 4.21%, power factor be increased 0.16.

YCL

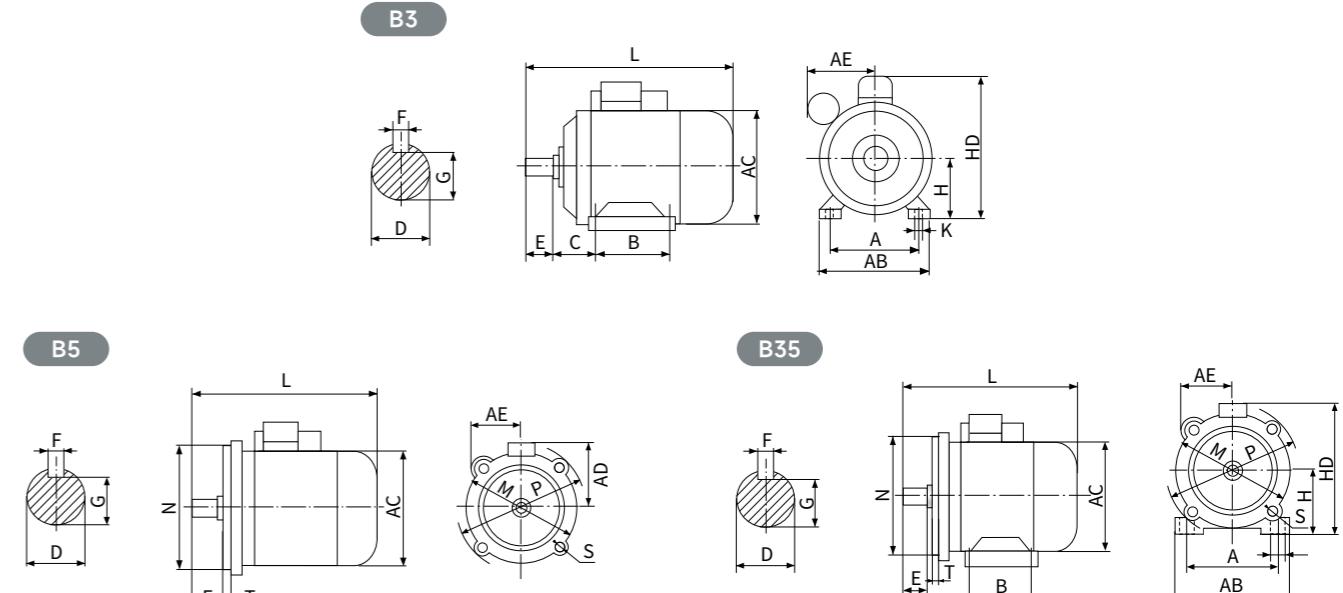
系列大马力单相电容起动运转异步电动机
Series Heavy-duty Single-phase Capacitor Start and Run Induction Motor

使用条件

- 环境空气温度: $-15^{\circ}\text{C} \leq \theta \leq 40^{\circ}\text{C}$
- 海拔: 不超过 1000 米
- 额定电压: 110V/115V/120V/220V/230V/240V
- 额定频率: 50HZ 或 60HZ
- 工作方法: 连续 (S1)
- 绝缘等级: B 级 /F 级 /H 级
- 防护等级: IP44、IP54
- 冷却方式: IC411
- Ambient Temperature: $-15^{\circ}\text{C} \leq \theta \leq 40^{\circ}\text{C}$
- Altitude: up to 1000m above sea level
- Rated Voltage: 110V/115V/120V/220V/230V/240V
- Rated Frequency: 50HZ or 60HZ
- Duty Type: Continuous (S1)
- Insulation Class: B/F/H
- Protection Degree: IP44 or IP54
- Cooling Method: IC411

OPERATING CONDITIONS

YC/YCL 安装及外形尺寸 MOUNTING AND OVERALL DIMENSIONS



机座号 Frame	安装尺寸 Mounting Dimensions (mm)													外形尺寸 Overall Dimensions (mm)						
	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	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	90	10	165	130	200	0	12	3.5	180	185	160	240	370
90L	140	125	56	24	50	8	20	90	10	165	130	200	0	12	3.5	180	185	160	240	400
100L	160	140	63	28	60	8	24	100	12	205	180	250	0	15	4	205	220	180	260	460
112M	190	140	70	28	60	8	24	112	12	205	180	250	0	15	4	245	250	190	300	455
132S	216	140	89	38	80	10	33	132	12	265	230	300	0	15	4	280	290	210	350	525
132M	216	178	89	38	80	10	33	132	12	265	230	300	0	15	4	280	290	210	350	553



电容起动电动机
CAPACITOR START MOTOR

YC 技术参数 TECHNICAL DATA

型号 Type No.	功率 Output		电流 current (A)	功率因数 Power Factor	效率 Efficiency (%)	转速 Speed (r/min)	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
	kW	HP							
YC711-2	0.18	1/4	1.9	0.70	63.0	2800	3.0	6.5	2.0
YC712-2	0.25	1/3	2.4	0.72	65.0	2800	3.0	6.5	2.0
YC80A-2	0.37	1/2	3.5	0.74	66.0	2840	3.0	6.5	2.0
YC80B-2	0.55	3/4	5.04	0.74	67.0	2850	3.0	6.5	2.0
YC80C-2	0.75	1	6.68	0.75	68.0	2850	3.0	6.5	2.0
YC90S-2	1.1	1.5	8.93	0.80	70.0	2850	2.8	7.0	2.0
YC90L-2	1.5	2	11.4	0.82	73.0	2870	2.8	7.0	2.0
YC100L-2	2.2	3	16.5	0.82	74.0	2900	2.5	7.0	2.0
YC112M1-2	3	A	21.4	0.84	76.0	2900	2.2	7.0	2.0
YC112M2-2	3.7	5	24.8	0.86	79.0	2900	2.2	7.0	2.0
YC711-4	0.12	1/6	1.9	0.58	48.0	1400	3.0	6.0	2.0
YC712-4	0.18	1/4	2.7	0.60	50.0	1400	3.0	6.0	2.0
YC80A-4	0.25	1/3	3.52	0.62	52.0	1400	3.0	6.0	2.0
YC80B-4	0.37	1/2	4.69	0.64	56.0	1400	3.0	6.0	2.0
YC80C-4	0.55	3/4	6.0	0.65	60.0	1400	3.0	6.0	2.0
YC90S-4	0.75	1	7.5	0.72	63.0	1400	2.8	6.5	2.0
YC90L-4	1.1	1.5	10.4	0.72	67.0	1420	2.8	6.5	2.0
YC100L-4	1.5	2	13.0	0.73	72.0	1440	2.8	6.5	2.0
YC112M-4	2.2	3	18.5	0.74	73.0	1450	2.5	6.5	2.0
YC132S1-4	3	4	22.4	0.80	76.0	1450	2.2	6.5	2.0
YC132S2-4	3.7	5	26.0	0.82	79.0	1450	2.2	6.5	2.0

YCL 技术参数 TECHNICAL DATA

型号 Type No.	功率 Output		电流 current (A)	功率因数 Power Factor	效率 Efficiency (%)	转速 Speed (r/min)	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
	kW	HP							
YCL90S-2	1.1	1.5	7.2	0.95	73.2	2880	2.8	6.0	1.8
YCL90L-2	1.5	2	8.9	0.97	76.0	2900	2.8	7.0	1.8
YCL100L-2	2.2	3	13.2	0.96	78.8	2900	3.0	6.5	1.8
YCL90S-4	0.75	1	5.0	0.93	73.3	1450	2.8	6.5	1.8
YCL90L-4	1.1	1.5	7.8	0.90	75.0	1450	2.5	6.0	1.8
YCL100L-4	1.5	2	9.3	0.92	79.4	1450	2.8	7.0	1.8
YCL112M-4	2.2	3	13.6	0.90	81.6	1450	2.3	6.5	1.8
YCL132S1-4	3.2	4	18.2	0.90	83.5	1450	2.1	6.5	1.8
YCL132S2-4	3.7	5	22.0	0.90	84.9	1450	2.1	6.5	1.8
YCL132M1-4	5.5	7.5	32.5	0.90	85.0	1460	2.0	6.5	1.8
YCL132M2-4	7.5	10	40.0	0.90	85.5	1460	2.0	6.0	1.8

因为各个国家的电压不同，技术数据将有所改变。

Because the different voltage of each country, the technical data will be changed.

双值电容铝壳电动机
DUAL CAPACITOR ALUMINUM HOUSING MOTOR

ML

系列单相双值电容铝壳异步电动机
Series Single-phase Asynchronous Aluminium Housing Motor With Dual Capacitors



总体描述
GENERAL DESCRIPTION

ML系列电动机适用于起动转矩大，高过载要求的场合。例如空气压缩机、泵、风扇、医疗仪器及小型机械等。

ML series motors concentrate the advantages of high starting torque and great overload performance. They are suitable for powering the equipment such as water pumps, air compressors, fan, medical devices and other small machines.

使用条件

- 配启动和运转双电容
- 外壳材料：铸铝 (接线盒为塑料)
- 环境空气温度 : $-15^{\circ}\text{C} \leq \theta \leq 40^{\circ}\text{C}$
- 海拔 : 不超过 1000 米
- 额定电压 : 220V±5%，50Hz(按要求也可以生产 60Hz)
- 防护等级 : IP54/IP55
- 绝缘等级 : B/F 级
- 冷却方式 : IC411
- 工作制 : 连续 (S1)

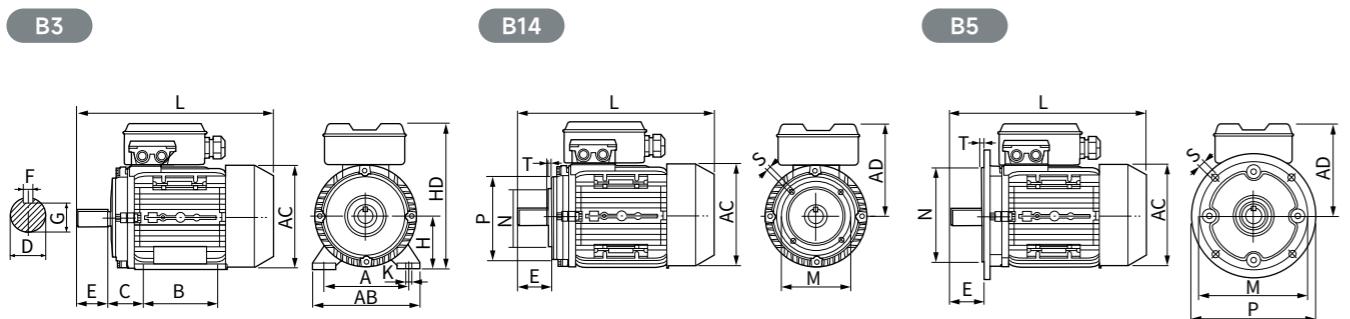
OPERATING CONDITIONS

- With starting and running dual capacitors
- Housing Material: Aluminium (plastic terminal box)
- Ambient Temperature: $-15^{\circ}\text{C} \leq \theta \leq 40^{\circ}\text{C}$
- Altitude: up to 1000m above sea level
- Rated Voltage: 220V±5% , 50Hz(60Hz is available on request)
- Protection Degree: IP54 or IP55
- Insulation Class: B/F
- Cooling Method: IC411
- Duty Type: Continuous (S1)



双值电容铝壳电动机
DUAL CAPACITOR ALUMINUM HOUSING MOTOR

ML 安装及外形尺寸 MOUNTING AND OVERALL DIMENSIONS



机座号 Frame	安装尺寸 Mounting Dimensions (mm)								安装尺寸 Mounting Dimensions (mm) IMB14						安装尺寸 Mounting Dimensions (mm) IMB5						外形尺寸 Overall Dimensions					
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	125	210	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	165	130	200	0	12	3.5	160	165	135	240	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	270	335
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	270	360
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	205	215	170	280	380
112M	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	245	240	180	310	400
132S	216	140	89	38	80	10	33	132	12	165	110	200	0	M10	3.5	265	230	300	0	15	4	280	275	195	325	475
132M	216	178	89	38	80	10	33	132	12	165	110	200	0	M10	3.5	265	230	300	0	15	4	280	275	195	325	515

ML 技术参数 TECHNICAL DATA

220V / 50HZ

型号 Type No.	功率 Output (kW)	电压 Voltage (V)	电流 current (A)	功率因数 Power Factor	效率 Efficiency (%)	堵转转矩 额定转矩 (倍数) Tstart/Tn (Times)	最大转矩 额定转矩 (倍数) Tmax/Tn (Times)	起动电流 Starting Current (A)	
ML711-2	0.37	220	2.73	0.92	67	2800	2.3	1.8	16
ML712-2	0.55	220	3.88	0.92	70	2800	2.5	1.8	21
ML801-2	0.75	220	5.15	0.92	72	2800	2.5	1.8	30
ML802-2	1.10	220	7.02	0.95	75	2800	2.5	1.8	40
ML90S-2	1.50	220	9.44	0.95	76	2800	2.5	1.8	55
ML90L-2	2.20	220	13.67	0.95	77	2800	2.5	1.8	80
ML100L-2	3.00	220	18.2	0.95	79	2800	2.5	1.8	110
ML711-4	0.25	220	1.99	0.92	62	1400	2.5	1.8	12
ML712-4	0.37	220	2.81	0.92	65	1400	2.5	1.8	16
ML801-4	0.55	220	4.0	0.92	68	1400	2.5	1.8	21
ML802-4	0.75	220	5.22	0.92	71	1400	2.5	1.8	30
ML90S-4	1.10	220	7.2	0.95	73	1400	2.5	1.8	40
ML90L-4	1.50	220	9.57	0.95	75	1400	2.5	1.8	55
ML100L1-4	2.20	220	13.9	0.95	76	1400	2.5	1.8	80
ML100L2-4	3.00	220	18.6	0.95	77	1400	2.5	1.8	110
ML112M1-4	2.20	220	13.5	0.95	78	1450	2.2	1.8	81
ML112M2-4	3.00	220	18.2	0.95	79	1450	2.2	1.8	90.5
ML132S1-4	3.00	220	17.7	0.95	81	1460	2.1	1.8	94
ML132S2-4	3.70	220	21.9	0.95	81	1460	2.1	1.8	120
ML132M1-4	5.50	220	31.7	0.95	83	1460	2.1	1.8	175
ML132M2-4	7.50	220	43.2	0.95	83	1460	2.1	1.8	238

也可供应 110V/220V, 60Hz 电机。110V/220V, 60Hz models are available on request.

电容运转铝壳电动机
RUNNING CAPACITOR ALUMINUM HOUSING MOTOR

MY

系列电容运转单相铝壳异步电动机
Series Single-phase Asynchronous Aluminium Housing Motor With Running Capacitor



总体描述
GENERAL DESCRIPTION

MY 系列电动机启动转矩低, 可长时间连续工作需求的场所, 适用于家用电器, 泵, 风扇, 及记录式仪表等设备上。

MY series motors are suitable for the occasion requiring low starting torque and long-term continuous working, such as home electric appliances, pumps, fans and recording meters, etc.

使用条件

- 配运转电容
- 外壳材料: 铸铝 (接线盒为塑料)
- 环境空气温度: $-15^{\circ}\text{C} \leq \theta \leq 40^{\circ}\text{C}$
- 海拔: 不超过 1000 米
- 额定电压: 220V±5%, 50Hz(按要求也可以生产 60Hz)
- 防护等级: IP54/IP55
- 绝缘等级: B/F 级
- 冷却方式: IC411
- 工作制: 连续 (S1)

OPERATING CONDITIONS

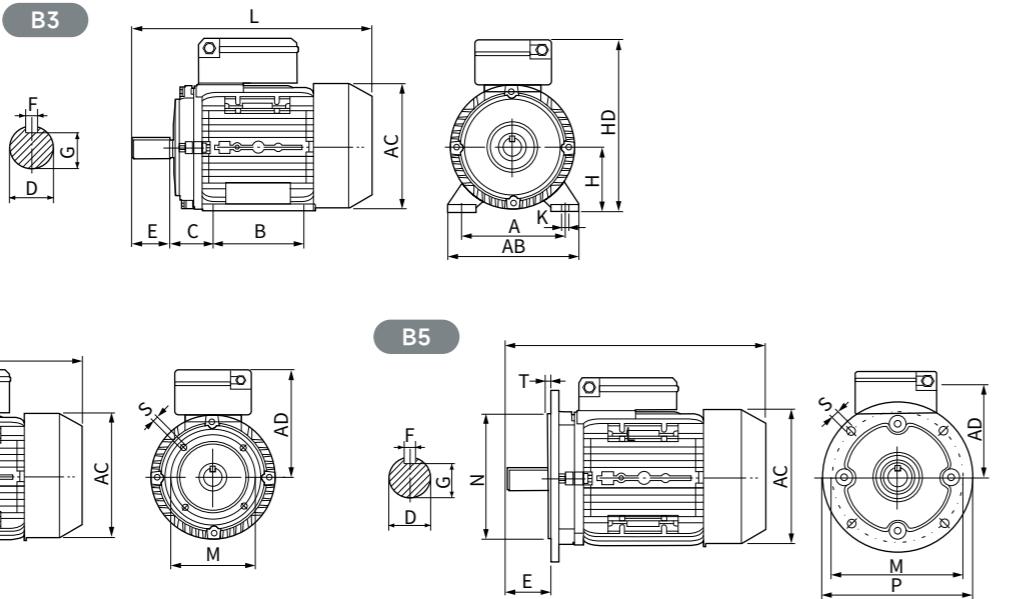
- With running dual capacitors
- Housing Material: Aluminium (plastic terminal box)
- Ambient Temperature: $-15^{\circ}\text{C} \leq \theta \leq 40^{\circ}\text{C}$
- Altitude: up to 1000m above sea level
- Rated Voltage: 220V±5% , 50Hz(60Hz is available on request)
- Protection Degree: IP54 or IP55
- Insulation Class: B/F
- Cooling Method: IC411
- Duty Type: Continuous (S1)



电容运转铝壳电动机
RUNNING CAPACITOR ALUMINUM HOUSING MOTOR

MY

安装及外形尺寸 MOUNTING AND OVERALL DIMENSIONS



机座号 Frame	安装尺寸 Mounting Dimensions (mm)								安装尺寸 Mounting Dimensions (mm) IMB14						安装尺寸 Mounting Dimensions (mm) IMB5						外形尺寸 Overall Dimensions					
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L
60	100	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	2.5	115	95	140	0	10	3	130	130	115	185	230
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	125	205	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	165	130	200	0	12	3.5	160	165	135	235	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	265	335
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	265	360
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	205	215	170	280	380

MY 技术参数 TECHNICAL DATA

型号 Type No.	功率 Output (kW)	电压 Voltage (V)	电流 current (A)	功率因数 Power Factor	效率 Efficiency (%)	堵转转矩 额定转矩 (倍数) Tstart/Tn (Times)	最大转矩 额定转矩 (倍数) Tmax/Tn (Times)	起动电流 Starting Current (A)	
MY631-2	0.18	220	1.48	0.92	60	2800	0.4	1.7	5
MY632-2	0.25	220	1.96	0.92	63	2800	0.4	1.7	7
MY711-2	0.37	220	2.73	0.92	67	2800	0.35	1.7	10
MY712-2	0.55	220	3.88	0.92	70	2800	0.35	1.7	15
MY801-2	0.75	220	5.15	0.92	72	2800	0.33	1.7	20
MY802-2	1.1	220	7.02	0.95	75	2800	0.33	1.7	30
MY90S-2	1.5	220	9.44	0.95	76	2800	0.3	1.7	45
MY90L-2	2.2	220	13.67	0.95	77	2800	0.3	1.7	65
MY631-4	0.12	220	1.1	0.90	55	1400	0.4	1.7	3.5
MY632-4	0.18	220	1.62	0.90	56	1400	0.4	1.7	5
MY711-4	0.25	220	2.02	0.92	61	1400	0.35	1.7	7
MY712-4	0.37	220	2.95	0.92	62	1400	0.35	1.7	10
MY801-4	0.55	220	4.25	0.92	64	1400	0.35	1.7	15
MY802-4	0.75	220	5.45	0.92	68	1400	0.32	1.7	20
MY90S-4	1.1	220	7.41	0.95	71	1400	0.32	1.7	30
MY90L-4	1.5	220	9.83	0.95	73	1400	0.3	1.7	45
MY100L-4	2.2	220	13.8	0.95	76	1430	0.3	1.7	64

* 也可供应 110V/220V, 60Hz 电机。

*110V/220V, 60Hz models are available on request.