上力电机®
Shangli motor

强劲动力 源自上力
Strong power, comes from SHANGLI

SHANGHAI SHANGLI FLAMEPROOF MOTORS GROUP CO.,LTD.

上海上力防爆电机集团

产品选型目录

上力电机®
Shangli motor

上海上力防爆电机集团有限公司
SHANGHAI SHANGLI FLAMEPROOF MOTORS GROUP CO.,LTD.

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上力电机
Shangli motor







上海上力防爆电机集团有限公司

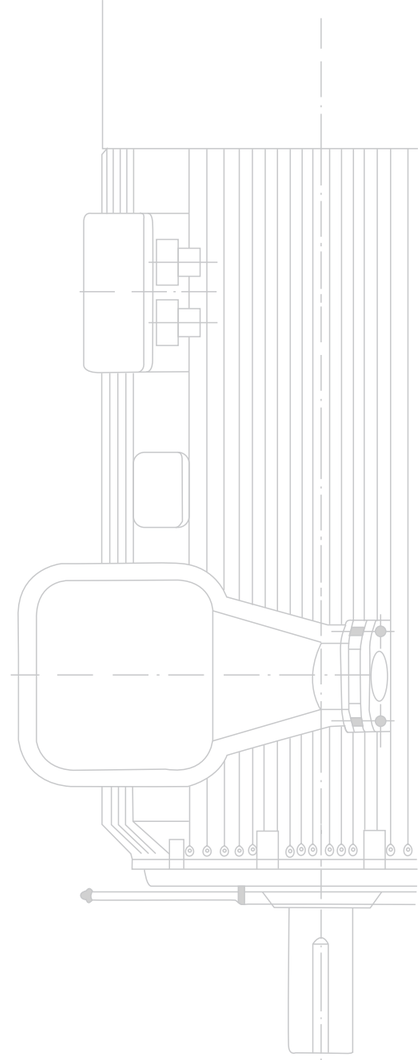
SHANGHAI
SHANGLI
Flameproof motors Group Co.,Ltd
Quality For Existence
Technology For Development

中国工业制造从诞生、学步、到迅速成长和渐趋成熟，国产品牌的崛起，不仅带来了电机生产企业的竞争压力，更在占据市场的同时，逐步展开了产品品质、技术等条件的重大变革。“上力”自然也以饱满的气势迎接着市场一轮又一轮的挑战。

The industrial manufacture of China has gone through a process from birth, toddling, rapid growth to gradual maturity. The rising of domestic brands has not only brought about competition pressure on motor producers but gradually unfolded a major reform of conditions, like product quality and technology, in occupying the market. Of course SHANGLI has been embracing rounds of market challenges with an imposing manner.

上力电机
Shangli motor

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集团简介 COMOANY BRIEF

上力电机
Shangli motor

上海上力防爆电机集团有限公司，注册资本1.0168亿元，旗下有三家全资子公司，是集设计、生产、销售一体的、生产隔爆型三相异步电动机、普通系列及特殊专用系列三相异步电动机的科技型企业，成立于2003年，有两个生产基地。集团一贯重视新技术研发，不断进行技术创新，提高产品科技含量，同时引进先进技术和生产管理经验。成功开发了具有高水准的上力品牌专利产品。集团目前已取得隔爆型电机工业产品生产许可证书、ISO9001质量管理体系认证书、CCC认证书、节能认证书、防爆合格证书、矿用产品认证书等多项证书，并被评为松江区先进企业、遵合同守信用单位。这是集团数十名管理及技术人员心血的凝聚、以及300多名员工的智慧结晶。

上力一号生产基地

上力集团一号生产基地位于上海松江富荣经济开发区，地处叶榭公路沿线，于2003年成立，并拥有研发、生产、销售与服务业务。集团公司拥有生产设备和综合检验装置、包括加工车间、数控车床、数控专机和完善的生产流水线。集团公司的电机型式试验车间已获得电机能效测试实验室资格，并在中国能效标识网上备案（公告号：7-7958）。

上力二号生产基地

上力集团二号生产基地位于浙江湖州太湖高新技术产业园区，总占地100余亩，2018年成立。拥有生产设备和综合检验装置、加工车间、各类数控车床、电动半自动化装配流水线，电机测试 车间等，年产超过12万台普通及隔爆型三相异步电动机的生产能力。

Shanghai force on explosion-proof motor group co., LTD., a registered capital of 101.68 million yuan, there are three of its wholly owned subsidiary, is a set design, production, sales, production of flameproof three-phase asynchronous motor, series of ordinary and special series three-phase asynchronous motor of science and technology enterprises, was founded in 2003, has two production bases. Group has always attached importance to new technology research and development, the ongoing technological innovation, improve product technology content, at the same time, the introduction of advanced technology and production management experience. Successfully developed with a high level of brand force on the patented product. Group has obtained the flameproof motor industrial products production license, ISO9001 quality management system certification, CCC certification, energy saving certification, explosion-proof certificate, mine product certification certificate, songjiang and was rated as advanced enterprises, contracts and keep promise unit. Dozens of it's group management and technical personnel's condensed wisdom crystallization, as well as more than 300 employees.

Shangli on one production base

Force group a number on the production base is located in Shanghai songjiang economic development zone, is located in the leaf pavilions along the road, was founded in 2003, and has a research and development, production, sales and services. Group company has production equipment and comprehensive testing devices, including machining, CNC lathe, CNC plane and complete production lines. The motor type test workshop group company has got the certificate of motor efficiency test lab and energy efficiency label online registration in China (announcement no. 7-7958).

No. 2 production base in shangli

Force on group ii production base is located in zhejiang huzhou taihu lake high-tech industrial park, covers an area of more than 100 acres, was founded in 2018. With production equipment and comprehensive testing device, processing workshop, all kinds of CNC lathe, electric semi automated assembly line, motor testing workshop, annual output of more than 120000 ordinary and flameproof three-phase asynchronous motor production capacity.

HONORARY CERTIFICATES
荣誉资质

上力电机
Shangli motor



高新技术企业证书
High and new tech enterprises



3A信用企业
3A Credit Enterprise



3C认证
3C certification



煤安证
Coal safety certificate



CQC
CQC Certification



节能认证
Energy saving certification





安全生产标准化认证
Safety production standardization certification



ISO：9001质量体系认证
ISO: 9001 Quality System Certification



科技企业证书
Science and technology enterprise certificate



发明专利证书
Invention patent certificate



实用新型专利
Patent for utility model



CVC认证
CVC certification



防爆认证
Explosion-proof certification



3A资信证书
3A credit certificate

HUMAN RESOURCES 我们的人才

核心竞争力决定企业的生存空间，我们的价值核心是认同、参与及共享倡导创造价值，培植使命感、责任感、荣誉感和成就感，把有能力、愿效力，并不断改进自己的员工视为人才，主张在实践中学习新的思考方式，适应不断变化的环境 坚定不移全面打造企业整体执行力。

我们将企业价值观、经营理念潜移默化的传递给员工，从而塑造出一支具有高度凝聚力和忠诚度的员工团队，正是每一个人所发挥出来的工作热情和创造力，为我们的发展提供了源源不断的动力。

Core competitiveness decides a living space of an enterprise. Our core value is to recognize, participate, share and encourage to create values, develop senses of mission, responsibility, honor and achievement, regard employees who are capable and devoted and improve themselves continually as talents, uphold learning new ways of thinking in practice, be adapted to changing environments and build overall execution of the enterprise unswervingly and comprehensively.

We convey our corporate value and operational concept to our employees by osmosis, thus having established a highly cohesive and loyal staff team. It is working passion and creativity of every member that have provided an inexhaustible power for our development.









人本理念
THE CONCEPT OF PEOPLE

坚持用愿景目标激励人，用发展事业的平台培育人，用情感和待遇留住人，鼓励人才不断自我超越，登上更广阔的舞台。

We adhere to encouraging people wilh vision objectives, incubaling people wilh a platform of career developmenl, retaining people wilh emotions and remuneration, and encouraging talents to go beyond themselves to play at a wider slage.

人力资源目标
HUMAN RESOURCES OBJECTIVES

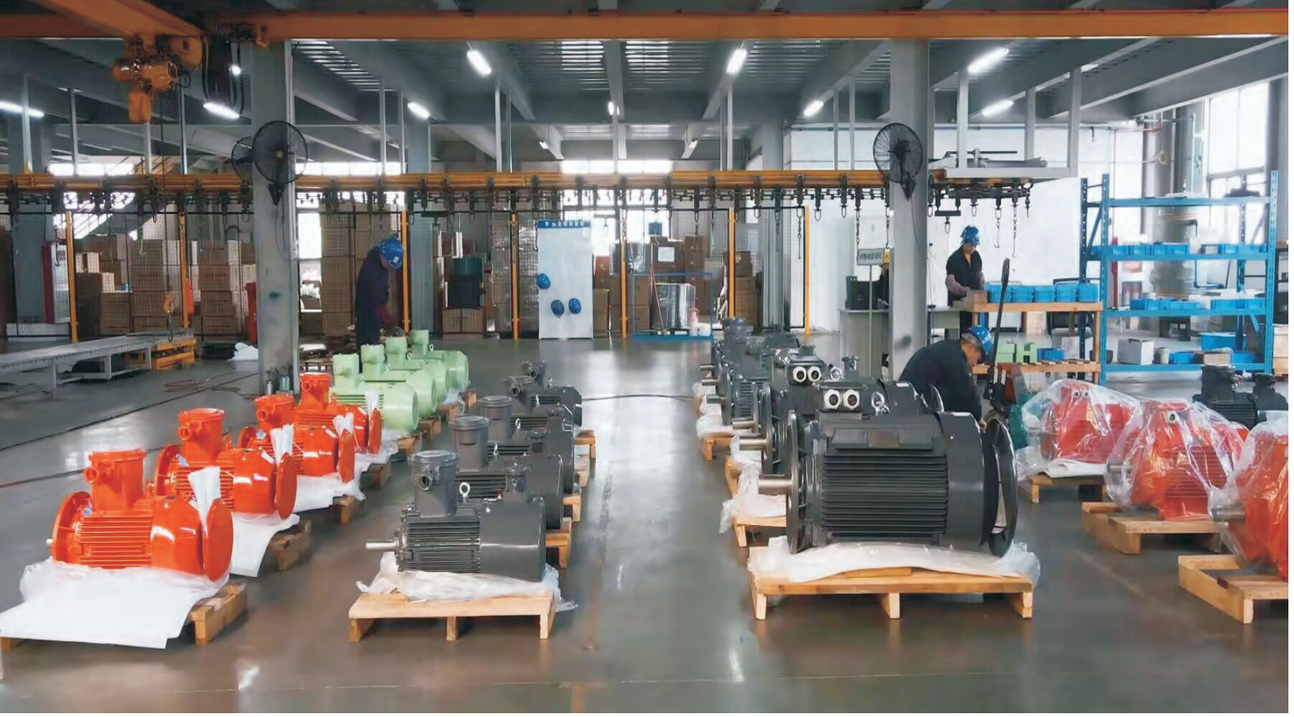
坚持围绕"以人为中心"的企业发展观，吸引、培养和留用与经营产业密切相关的高层次人才，打造配置合理、结构优化的精英人才团队；形成有效的宏观和微观人力资源开发和管理能力，形成对各层次员工的人性化高效管理；不断完善创新薪酬福利制度，与企业品牌、规模相适应，保护合理流动，为稳定骨干员工队伍提供坚实的保障；塑造房地产企业优秀雇主形象，构建“学习型组织”员工成长机制，有效促进员工与企业共同发展。

SHANGLI adheres to centering on this corporate development concept: center on people, to draw, culti vale and employ high-level talents closely relaled to operaling industries and build an elite team with reasonable configuration and structural optimization: eatablish effective capabilities for development and management of macroscoopic and microcosmic human resources, and people-friendly and high-efficiency management for all levels of employees; improve and innovate the pay and benefit system continually to be suitable for the ent erprise's brand and size, and protect reasonable flowing to provide a solid guarantee for the team of key employees; shape an excellent employer image as a real estate enterprise and establish a staff growth mechanism featuring“the leaming 0rganizalion”to promole common development of employees and the enlerprise effecti vely.

人本理念人力资源机制
PEOPLE THIS CONCEPT OF HUMAN RESOURCES MECHANISM

上力将人才视为企业最重要的财富和企业长期发展的原动力，通过建立梯队选拔的人才培育机制、公平科学的绩效评价机制、分门别类的系统培训机制、合理丰富的分配福利机制，构建企业与员工长期共赢的利益共同体，实现企业与员工的共同成长。

SHANGLI regards talents as its most important wealth and prime power for its sustainable development, and builds a long-term and win-win interest community between the enterprise and its employees by means of establishing mechanisms of talenl incubalion wilh echeloning selection, just and scientific perfrmance assess ment, classified and systematic training, and reasonable and abundant benefit distribution, to achieve common growth between the enlerprise and its employees.



嵌线车间
Molding workshop

生产环境 PRODUCTION ENVIRONMENT

上力电机
Shangli motor



电机能效实验室
Motor efficiency laboratory



出厂试验测试
Factory test



定子综合测试系统
Stator comprehensive test system



数字功率器
Digital power device



组装流水线
Assembly line



金工车间
Metalworking workshop



喷包流水线
Spray package line



冲压车间
Stamping workshop



电机型试试验检测系统
Electric machine test detection system



变频电源500KV/A
Frequency conversion power supply 500 kv/A



全自动定子冲床
Automatic stator punching machine



多孔转
Porous turn

生产环境 PRODUCTION ENVIRONMENT

上力电机 Shangli motor



浸漆设备
Dip coating equipment



立式升降铣床
Vertical milling machine



平衡机
Balancing machine



数控车床
Numerical control lathe



数控立床
CNC vertical bed



数控铣床
CNC milling machine



外圆磨床
Cylindrical grinding machine



摇臂钻床
Radial drilling machine



攻钻一体机床
Tapping drilling machine



攻钻组合自动机床
Automatic tapping drill combination machine tools



光转子数控车床
Light rotor nc lathe



① 成品仓库（部分）
Finished goods warehouse (part)



② 半成品仓库（部分）
Semi-finished products warehouse (part)



③ 备件仓库（部分）
Spare parts warehouse (part)



④ 毛坯仓库（部分）
Blank warehouse (part)

OUR CUSTOMERS 我们的客户





立足国内市场，创国际品牌

合作、共赢、责任 构成我们市场价值观

BASED ON THE DOMESTIC MARKET, CREATING INTERNATIONAL BRANDS

一份耕耘一份收获，上力人在建设企业美誉度与知名度的征程上，一步一个脚印地稳步前行。

成熟的工艺、严谨的作风和完善的质量体系，全面保障从原料采购、产品制造至销售发运各个环节得以高效而规范的运行，而与国际同行。无论我们的客户处在世界哪个城市，都会得到专业的技术咨询、广泛的最新产品资料及一流的售后服务。

As a man sows and so he shall reap. SHANGLI members are making steady steps one by one on the journey of building the enterprise's reputation and awareness.

Our well-developed process, strict style and complete quality system provides a total guarantee for efficient and regulatory operation of all links, from purchasing of raw materials, manufacturing of products to sale and shipping, so that we can keep pace with the world. Whichever city of the world our customers are, they can get our professional technical consultations, extensive data on the latest products and first-rate after service.







服务中心 SERVICE CENTER

保质期内，我们对设计、工艺材料的缺陷而发生的任何不足或故障负责，同时相应延长更换和修补零件的质量保证期。质保期外，我公司对所提供产品终身保修，只收取配件成本费。

During the guarantee period, we're responsible for any deficiency or failure caused by defects in design, process and materials, and meanwhile extend the guarantee period of parts replaced and repaired accordingly. If beyond the guarantee period,our company will provide lifetime guarantee for products supplied and only charge cost prices of accessories.











现场服务
ON-SITE SERVICE

设备安装、调试及质量保证期间，我们将派遣有丰富经验的工程师到现场为用户提供可靠技术服务。

具体为：

安装和调试期间：派遣工程师或技师到现场指导安装和提供技术服务；为用户提供必要的培训，使用户可以顺利地进行操作；指导设备运行试验和检查，如果试验发现因设备质量问题而使设备性能与原定技术要求有偏差，本公司负责解决，指导满足用户要求。

质量保质期间：派遣专业工程技术人员指导操作运行；

正常运行期间：根据客户要求，随时派遣有关人员到现场为用户服务。终身为用户提供维修服务，只收取配件成本费。

During the equipment's installation, debugging and quality guarantee period, we'll send experienced engineers to provide reliable field technical service for users.

During installation and commissioning: send our engineers or technicians to the field to give guidance on installation and provide technical service; offer required training for users so that they can operate smoothly; give guidance on the equipment's running tests and check, and if it's found through the test that its performance deviates from its designed technical requirements due to its quality problems, our company will be responsible for solving it until it meets requirements of users.

During the guarantee period: send professional engineers and technicians to give guidance on operation and running;

During the normal running period: send all concerned to provide field service for users at any time as required by customers. Provide lifetime maintenance service for users, with cost prices of accessories charged only.

技术服务和技术资料
TECHNICAL SERVICES AND TECHNICAL INFORMATION

为保证工程质量，提供现场安装、调试、维修等有关资料。保证及时交付标书规定的有关技术文件和图纸。为用户提供完整的设备安装手册、操作维修保养手册；为用户提供满意的合格的设备和一流的技术服务。随时向用户提供新产品详细技术信息。

Provide data related to field installation, commissioning, maintenance and so on to ensure engineering quality. Ensure to deliver relevant technical documents and drawings stipulated in tenders in time. Provide complete manuals for installation, operation and maintenance of equipment for users; and satisfactory and qualified equipment and first–rate technical service for them. Offer detailed technical information on new products for users at any time.

服务响应期限
SERVICE RESPONSE DEADLINE

顾客质量投诉，2小时内予以答复；质量事故处理，48小时之内到达现场。知道故障排除为止。

Reply to quality complaints of customers within 2 hours; and arrive at the scene within 48 hours for dealing with quality accidents until faults are removed.









YBX5 系列超高效率隔爆型三相异步电动机

YBX5 SERIES HIGH EFFICIENCY FLAMEPROOF THREE-PHASE ASYNCHRONOUS MOTOR

概述

YBX5 系列电机是我公司自主研发推出的全封闭、自扇冷、鼠笼式超超高效率隔爆型三相异步电动机，效率指标达到GB18613–2020《中小型三相异步电动机能效限定值及能效等级》中最高能效等级1级，且具有性能优良，使用安全可靠，振动、噪声比同类产品低的特点，符合环保要求，该产品处于国内领先、国际先进水平。

YBX5 系列隔爆型三相异步电动机，防爆性能符合GB3836.2《爆炸性环境 第2部分：由隔爆外壳“d”保护的设备》，适用于爆炸性气体混合物存在的场所、具有爆炸性环境的1区、2区危险区域。防爆标志：Ex d Ⅰ Mb、Ex d ⅡB T4 Gb，也可制成Ex d ⅡC T4 Gb。可应用在石油化工、煤矿、矿山、港口、电厂、机械工业等不同行业，用于驱动各种通用机械，如风机、压缩机、结水泵、破碎机、卷扬机、离心机、切削机床、运输机械，是理想的动力设备。

General Description

YBX5 series motor is totally enclosed carried out my company independent research and development, since the fan cooling, cage type flameproof three-phase asynchronous motor super ultra high efficiency, the efficiency indicators of GB18613-2020 "the small and medium sized three-phase asynchronous motor limited value of energy efficiency and energy efficiency level, the highest level of energy efficiency level 1, and has good performance, the use of safe and reliable, the characteristics of vibration and noise is lower than similar products conform to the requirements of environmental protection, the product is in the leading domestic, international advanced level.

YBX5 series flameproof three-phase asynchronous motor, explosion-proof performance meet GB3836.2 "explosive environment part 2: the flame-proof shell" d "protection device", is suitable for the sites with explosive air mixture, explosive environment 1 zone and 2 zone of the danger zone. Explosion-proof marks: Ex d Ⅰ Mb, Ex d ⅡB T4 Gb, also can be made into the Ex d ⅡC T4 Gb. Can be used in petrochemical, coal, mining, ports, power plants, industrial machinery, such as different industries, used to drive all kinds of general machinery, such as a fan, compressor, water pump, crusher, hoist, centrifuge, cutting machine, transport machinery, is the ideal power equipment.

型号说明 / Model Instruction

1、电动机防爆标志代表的意义：The significance of explosion-proof motor sign on behalf of:

Ex d ⅡB T4 Gb

- Ex：标志（防爆） Mark (explosion)
- d：电气设备防爆型式（隔爆型） Explosion-proof electrical equipment type (flameproof)
- ⅡB：电气设备类别级别（Ⅱ类B级） Level of electrical equipment category (Ⅱ class B)
- T4：温度组别(T4) Temperature group (T4)
- Gb：设备保护级别(Gb) Equipment protection level (Gb)

2、电动机型号代表意义示例：Motor model representative example:

YBX5 – 160 L–2 THWF1

- YBX5：YBX5 防爆系列，能效等级IE5，GB18613–2020 的1 级 YBX5 explosion-proof series, energy efficiency rating IE5, GB18613-2020 grade 1
- 160：Center (160 mm) 中心高（160mm）
- L：Frame length 机座长度（举例：S 表示短机座，L 表示长机座） (example: S short stand, L said lead block)
- 2：极数（2 极） The number of (2)
- THWF1：使用环境代号 Using the environment symbol（默认缺省时为户内，其余如下） (the default default for indoor, the rest below)
  - F1– 户内防中等腐蚀型 F1 – indoor medium corrosion prevention
  - F2– 户内防强腐蚀型 F2 – indoor strong corrosion prevention
  - WF1– 户外防中等腐蚀型 WF1 – outdoor medium corrosion prevention
  - WF2– 户外防强腐蚀型 WF2 – outdoor strong corrosion prevention
  - TH– 湿热带 TH – humid tropics
  - G– 高原 G – plateau

执行标准

GB 755旋转电机 定额和性能
GB 1971旋转电机 线端标志与旋转方向
GB 3836.1爆炸性环境第1部分：设备通用要求
GB 3836.2爆炸性环境第2部分: 由隔爆外壳“d”保护的设备
GB 3836.3爆炸性环境第3部分: 由增安型“e”保护的设备
GB 10068中心高为56mm及以上电机的机械振动振动的测量及限值
GB 14711中小型旋转电机安全要求
GB 18613中小型三相异步电动机能效限定值及能效等级
GB 50058爆炸和火灾危险环境电力装置设计规范
GB/T 997旋转电机结构型式、安装型式及接线盒位置的分类(IM 代号)
GB/T 1032三相异步电动机试验方法
GB/T 1993旋转电机冷却方法
GB/T 4772旋转电机尺寸和输出功率等级
GB/T 4942.1旋转电机整体结构的外壳防护等级（IP 代号）分级
GB/T 10069.1旋转电机噪声测定方法及限值第1部分：旋转电机噪声测定方法
GB/T 10069.3旋转电机噪声测定方法及限值第3部分：噪声限值
GB/T 22719.1交流低压电机散嵌绕组匝间绝缘 第1部分：试验方法

Xecution standard

GB 755 rotary motor and performance
GB 1971 rotary motor terminal marks and direction of rotation
GB 3836.1 explosive environment, part 1: general requirements for equipment
GB 3836.2 part 2: explosive environment by flame-proof enclosures "d" protection of the equipment
GB 3836.3 explosive environment part 3: by type "e" of increasing safety protection device
GB 10068 center for 56 mm and above mechanical vibration of motor vibration measurement and limit
GB 14711 small and medium-sized motor safety requirements
GB 18613 small and medium-sized three-phase asynchronous motor limited value of energy efficiency and energy efficiency rating
GB 50058 explosion and fire dangerous environment electrical device design specification
GB/T 997 rotary motor structure, installation type and the classification of the junction box location code (IM)
GB/T 1032 three-phase asynchronous motor test method
GB/T 1993 rotary motor cooling method
GB/T 4772 rotary motor size and output power level
GB/T 4942.1 rotary motor (IP) protection grade of the whole structure of grading
GB/T 10069.1 rotary motor noise measurement method and limit part 1: a rotary motor noise measurement method
GB/T 10069.3 rotary motor noise measurement method and limit part 3: noise limit
GB/T 22719.1 scattered embedded ac low voltage motor windings turn-to-turn insulation part 1: test methods

TECHNICAL DATA
技术数据

型号 Type	功率 Output (kW)	转速 Syncspeed (r/min)	效率Eff(%) 75%~100% 负载	功率因数 Power factor COS ϕ	额定电流 Rated current IN A	堵转电流 额定电流 Locket current / Rated current	额定转矩 Rated torque TN(Nm)	堵转转矩 额定转矩 Locket torque / Rated torque	最大转矩 额定转矩 Pullout torque / Rated torque	噪声 (Lp) Noise dB(A)	转动惯量 Inertia movement kg.m²	重量 Weight (kg)
同步转速 Synchronous speed 3000r/min												
YBX5-80M1-2	0.75	2825	86.3	0.83	1.59	10	2.54	2.3	2.3	56	0.0053	50
YBX5-80M2-2	1.1	2825	87.8	0.83	2.29	9	3.72	2.3	2.3	56	0.0074	53
YBX5-90S-2	1.5	2840	88.9	0.84	3.05	9	5.04	2.3	2.3	64	0.0095	60
YBX5-90L-2	2.2	2840	90.2	0.85	4.36	9.5	7.40	2.3	2.3	64	0.018	64
YBX5-100L-2	3	2880	91.1	0.87	5.75	9.5	9.95	2.3	2.3	68	0.032	82
YBX5-112M-2	4	2890	91.8	0.88	7.52	9.5	13.2	2.3	2.3	69	0.066	125
YBX5-132S1-2	5.5	2900	92.6	0.88	10.3	9.5	18.1	2.2	2.3	68	0.077	126
YBX5-132S2-2	7.5	2900	93.3	0.89	13.7	9.5	24.7	2.2	2.3	68	0.22	147
YBX5-160M1-2	11	2930	94	0.89	20.0	9.5	35.9	2.2	2.3	67	0.26	160
YBX5-160M2-2	15	2930	94.5	0.89	27.1	9.5	48.9	2.2	2.3	67	0.33	176
YBX5-160L-2	18.5	2930	94.9	0.89	33.3	9.5	60.3	2.2	2.3	67	0.39	242
YBX5-180M-2	22	2940	95.1	0.89	39.5	9.5	71.5	2.2	2.3	77	0.66	305
YBX5-200L1-2	30	2950	95.5	0.89	53.6	9	97.1	2.2	2.3	79	0.77	320
YBX5-200L2-2	37	2950	95.8	0.89	65.9	9	119.8	2.2	2.3	79	1.34	420
YBX5-225M-2	45	2970	96	0.89	80.0	9	144.7	2.2	2.3	82	1.63	441
YBX5-250M-2	55	2970	96.2	0.89	97.6	9	176.9	2.2	2.3	82	1.98	656
YBX5-280S-2	75	2970	96.5	0.89	132.7	8.5	241.2	2.0	2.3	83	2.12	945
YBX5-280M-2	90	2970	96.6	0.89	159.1	8.5	289.4	2.0	2.3	83	2.37	1155
YBX5-315S-2	110	2980	96.8	0.89	194.0	8.5	352.5	1.9	2.3	85	2.54	1218
YBX5-315M-2	132	2980	96.9	0.89	232.6	8.5	423.0	1.9	2.2	85	2.86	1418
YBX5-315L1-2	160	2980	97	0.9	278.5	8.5	512.8	1.9	2.2	85	3.38	1575
YBX5-315L-2	185	2980	97.2	0.9	321.3	8.5	592.9	1.9	2.2	85	3.58	1680
YBX5-315L2-2	200	2980	97.2	0.9	347.4	8.5	640.9	1.9	2.2	85	4.05	1775
YBX5-355S1-2	185	2980	97.2	0.9	321.3	8.5	592.9	1.9	2.2	85	5.06	1775
YBX5-355S2-2	200	2980	97.2	0.9	347.4	8.5	640.9	1.9	2.2	85	5.73	1932
YBX5-355M1-2	220	2980	97.2	0.9	382.1	8.5	705.0	1.8	2.2	85	6.53	2205
YBX5-355M2-2	250	2980	97.2	0.9	434.2	8.5	801.2	1.8	2.2	85	6.87	2373
YBX5-355L1-2	280	2980	97.2	0.87	503.1	8.5	897.3	1.8	2.2	85	7.30	2436
YBX5-355L2-2	315	2980	97.2	0.87	566.0	8.5	1009.5	1.8	2.2	85	7.41	2604
同步转速 Synchronous speed 1500r/min												
YBX5-80M1-4	0.55	1390	86.7	0.75	1.29	10	3.78	2.3	2.3	50	0.0074	45
YBX5-80M2-4	0.75	1390	88.2	0.75	1.72	8	5.15	2.3	2.3	50	0.013	48
YBX5-90S-4	1.1	1400	89.5	0.75	2.49	8.5	7.50	2.3	2.3	53	0.016	54
YBX5-90L-4	1.5	1400	90.4	0.75	3.36	8.5	10.2	2.3	2.3	53	0.033	58
YBX5-100L1-4	2.2	1420	91.4	0.8	4.57	9	14.8	2.3	2.3	56	0.041	75
YBX5-100L2-4	3	1420	92.1	0.81	6.11	9	20.2	2.3	2.3	56	0.062	103
YBX5-112M-4	4	1440	92.8	0.81	8.09	9	26.5	2.3	2.3	57	0.12	121
YBX5-132S-4	5.5	1440	93.4	0.81	11.0	9.5	36.5	2.0	2.3	57	0.18	126
YBX5-132M-4	7.5	1440	94	0.83	14.6	9.5	49.7	2.0	2.3	57	0.38	158
YBX5-160M-4	11	1460	94.6	0.83	21.3	9.5	72.0	2.0	2.3	66	0.44	176
YBX5-160L-4	15	1460	95.1	0.85	28.2	9.5	98.1	2.0	2.3	66	0.71	231
YBX5-180M-4	18.5	1470	95.3	0.85	34.7	9.5	120.2	2.0	2.3	68	0.76	305
YBX5-180L-4	22	1470	95.5	0.86	40.7	9.5	142.9	2.0	2.3	68	0.85	315
YBX5-200L-4	30	1470	95.9	0.86	55.3	9	194.9	2.0	2.3	71	1.27	420
YBX5-225S-4	37	1480	96.1	0.87	67.2	9	238.8	2.0	2.3	65	1.94	546
YBX5-225M-4	45	1480	96.3	0.87	81.6	9	290.4	2.0	2.3	65	2.44	588
YBX5-250M-4	55	1480	96.5	0.87	99.5	9	354.9	2.0	2.3	70	3.00	698
YBX5-280S-4	75	1480	96.7	0.88	133.9	8.5	484.0	2.0	2.3	77	3.51	819
YBX5-280M-4	90	1485	96.9	0.88	160.4	8.5	578.8	2.0	2.3	77	4.91	1208
YBX5-315S-4	110	1485	97	0.89	193.6	8.5	707.4	2.0	2.2	77	5.21	1260
YBX5-315M-4	132	1485	97.1	0.89	232.1	8.5	848.9	2.0	2.2	77	5.48	1386
YBX5-315L1-4	160	1485	97.2	0.89	281.0	8.5	1029.0	2.0	2.2	78	5.70	1491
YBX5-315L-4	185	1485	97.4	0.89	324.3	8.5	1189.7	2.0	2.2	78	5.90	1575
YBX5-315L2-4	200	1485	97.4	0.89	350.5	8.5	1286.2	2.0	2.2	78	6.77	1785
YBX5-355S1-4	185	1488	97.4	0.89	324.3	8.5	1187.3	2.0	2.2	82	6.89	1890
YBX5-355S2-4	200	1488	97.4	0.89	350.5	8.5	1283.6	2.0	2.2	82	7.22	1922
YBX5-355M1-4	220	1488	97.4	0.89	385.6	8.5	1412.0	2.0	2.2	82	7.58	2037
YBX5-355M2-4	250	1488	97.4	0.89	438.2	8.5	1604.5	2.0	2.2	82	7.83	2184
YBX5-355L1-4	280	1488	97.4	0.89	490.8	8.5	1797.0	2.0	2.2	82	8.06	2373
YBX5-355L2-4	315	1488	97.4	0.89	552.1	8.5	2021.7	2.0	2.2	82	8.19	2394

型号 Type	功率 Output (kW)	转速 Syncspeed (r/min)	效率Eff(%) 75%~100% 负载	功率因数 Power factor COS ϕ	额定电流 Rated current IN A	堵转电流 额定电流 Locket current / Rated current	额定转矩 Rated torque TN(Nm)	堵转转矩 额定转矩 Locket torque / Rated torque	最大转矩 额定转矩 Pullout torque / Rated torque	噪声 (Lp) Noise dB(A)	转动惯量 Inertia movement kg.m²	重量 Weight (kg)
同步转速 Synchronous speed 1000r/min												
YBX5-80M1-6	0.37	910	81.6	0.7	0.98	10	3.88	1.9	2.0	49	0.0074	48
YBX5-80M2-6	0.55	910	84.2	0.72	1.38	9	5.77	1.9	2.1	49	0.013	53
YBX5-90S-6	0.75	910	85.7	0.72	1.85	8.5	7.87	2.1	2.1	49	0.016	59
YBX5-90L-6	1.1	910	87.2	0.73	2.63	7.8	11.5	2.1	2.1	49	0.033	64
YBX5-100L-6	1.5	940	88.4	0.74	3.48	8	15.2	2.1	2.1	53	0.045	82
YBX5-112M-6	2.2	940	89.7	0.74	5.04	8	22.4	2.1	2.1	57	0.441	125
YBX5-132S-6	3	960	90.6	0.74	6.80	7.5	29.8	2.0	2.1	61	0.71	126
YBX5-132M1-6	4	960	91.4	0.74	8.99	8	39.8	2.0	2.1	61	0.08	137
YBX5-132M2-6	5.5	960	92.2	0.75	12.1	8	54.7	2.0	2.1	61	0.85	162
YBX5-160M-6	7.5	970	92.9	0.78	15.7	8	73.8	2.1	2.1	62	1.27	185
YBX5-160L-6	11	970	93.7	0.78	22.9	8.5	108.3	2.1	2.1	62	1.39	236
YBX5-180L-6	15	970	94.3	0.81	29.8	8.5	147.7	2.0	2.1	62	1.70	305
YBX5-200L1-6	18.5	970	94.6	0.81	36.7	8.5	182.1	2.1	2.1	68	1.93	331
YBX5-200L2-6	22	970	94.9	0.82	43.0	8.5	216.6	2.1	2.1	68	2.55	431
YBX5-225M-6	30	980	95.3	0.81	59.0	8.5	292.3	2.0	2.1	68	2.81	473
YBX5-250M-6	37	980	95.6	0.84	70.0	8.5	360.6	2.1	2.1	70	3.63	667
YBX5-280S-6	45	980	95.8	0.86	83.0	8.5	438.5	2.1	2.0	72	4.17	767
YBX5-280M-6	55	980	96	0.86	101.2	8.5	536.0	2.0	2.0	72	4.80	1134
YBX5-315S-6	75	985	96.3	0.85	139.2	8	727.2	2.0	2.0	73	5.07	1197
YBX5-315M-6	90	985	96.5	0.84	168.7	8	872.6	2.0	2.0	73	5.59	1376
YBX5-315L1-6	110	985	96.6	0.85	203.5	8	1066.5	2.0	2.0	73	6.25	1470
YBX5-315L2-6	132	985	96.8	0.86	240.9	8	1279.8	2.0	2.0	73	7.69	1733
YBX5-355S-6	160	985	96.9	0.86	291.7	8	1551.3	1.9	2.0	79	8.28	1848
YBX5-355M1-6	185	985	97	0.86	337.0	8	1793.7	1.9	2.0	79	8.58	2069
YBX5-355M2-6	200	985	97	0.86	364.3	8	1939.1	1.9	2.0	79	8.66	2247
YBX5-355L1-6	220	985	97	0.86	400.7	8	2133.0	1.9	2.0	79	8.78	2363
YBX5-355L2-6	250	985	97	0.86	455.3	8	2423.9	1.9	2.0	79	8.80	2394
同步转速 Synchronous speed 750r/min												
YBX5–80M1–8	0.18	710	71.9	0.61	0.62	7.5	2.42	1.8	1.9	49	0.0074	48
YBX5–80M2–8	0.25	710	75.2	0.61	0.83	7.9	3.36	1.8	2.0	49	0.013	53
YBX5–90S–8	0.37	710	78.4	0.61	1.18	8.3	4.98	1.8	2.0	49	0.016	59
YBX5–90L–8	0.55	710	80.6	0.61	1.70	7.4	7.40	1.8	2.0	49	0.033	64
YBX5–100L1–8	0.75	710	82	0.67	2.07	7.4	10.1	1.8	2.0	51	0.045	82
YBX5–100L2–8	1.1	710	84	0.68	2.93	7.1	14.8	1.8	2.0	51	0.047	125
YBX5–112M–8	1.5	710	85.5	0.7	3.81	7.2	20.2	1.8	2.0	53	0.29	116
YBX5–132S–8	2.2	710	87.2	0.7	5.48	7.4	29.6	1.9	2.0	56	0.32	126
YBX5–132M–8	3	710	88.4	0.73	7.06	7.8	40.4	1.9	2.0	56	0.34	139
YBX5–160M1–8	4	720	89.4	0.73	9.31	7.9	53.1	1.9	2.0	60	0.48	151
YBX5–160M2–8	5.5	720	90.4	0.74	12.5	8.1	73.0	2.0	2.0	60	0.64	184
YBX5–160L–8	7.5	720	91.3	0.74	16.9	7.8	99.5	2.0	2.0	60	1.11	236
YBX5–180L–8	11	730	92.2	0.74	24.5	7.9	143.9	1.9	2.0	62	1.68	315
YBX5–200L–8	15	730	92.9	0.75	32.7	8	196.2	1.9	2.0	65	2.39	394
YBX5–225S–8	18.5	730	93.3	0.75	40.2	8	242.0	1.9	2.0	65	2.88	452
YBX5–225M–8	22	730	93.6	0.76	47.0	8.3	287.8	1.9	2.0	65	3.85	473
YBX5–250M–8	30	730	94.1	0.77	62.9	7.8	392.5	1.9	2.0	67	5.42	635
YBX5–280S–8	37	740	94.4	0.78	76.3	7.9	477.5	1.8	2.0	67	6.11	735
YBX5–280M–8	45	740	94.7	0.78	92.6	7.9	580.7	1.8	2.0	67	7.08	966
YBX5–315S–8	55	740	94.9	0.8	110.1	8.1	709.8	1.8	2.0	70	7.72	1155
YBX5–315M–8	75	740	95.3	0.8	149.5	7.6	967.9	1.8	2.0	70	9.23	1176
YBX5–315L1–8	90	740	95.5	0.81	176.8	7.7	1161.5	1.8	2.0	70	9.64	1365
YBX5–315L2–8	110	740	95.7	0.81	215.6	7.7	1419.6	1.8	2.0	70	10.70	1722
YBX5–355S–8	132	740	95.9	0.81	258.2	7.7	1703.5	1.8	2.0	77	11.80	1911
YBX5–355M–8	160	740	96.1	0.82	308.5	7.8	2064.9	1.8	2.0	77	13.10	2205
YBX5–355L1–8	185	740	96.3	0.82	356.0	7.8	2387.5	1.8	2.0	77	14.24	2310
YBX5–355L2–8	200	740	96.3	0.82	384.8	7.8	2581.1	1.8	2.0	77	14.41	2415

注：1、当电压U 不为380V 时，电流I =IN*380/U，其余参数不变；2、 对额定频率为60Hz 的电动机，机座号200 ～355 的2 极电动机空载噪声数值为该表对应值加上6dB(A)，其它极数的电动机空载噪声数值为该表对应值加上5dB(A)。

Note: 1, when U not for 380 v voltage, electric current I = * 380 / U, IN the rest of the parameters are the same; 2, to the rated frequency is 60 hz motor, frame # 200 ~ 355 of the 2 pole motor no-load noise values for the table corresponding value plus 6 db (A), the number of other motor no-load noise values for the table of corresponding value plus 5 db (A).

MOTORS
SERIES PRODUCT

产品概述



YBFBX5 系列隔爆型兼粉尘防爆超高效率三相异步电动机

YBFBX5 SERIES FLAMEPROOF AND DUST EXPLOSION-PROOF HIGH EFFICIENCY THREE-PHASE ASYNCHRONOUS MOTOR

概述

YBFBX5系列隔爆型兼粉尘防爆超高效率三相异步电动机（机座号80～355）(以下简称电动机)电气性能执行Q/320804KSL07–2022《YBFBX5 系列隔爆型兼粉尘防爆超高效率三相异步电动机（机座号80～355）》的规定。

YBFBX5系列电动机防爆性能符合GB/T3836.1–2021《爆炸性环境1 部分:通用要求》及GB/T3836.2–2021《爆炸性环境第2部分：由隔爆外壳“d”保护的设备》的规定。GB/T 3836.31–2021《爆炸性环境第31 部分：由防粉尘点燃外壳“t”保护的设备》。

YBFBX5（机座号80～355）系列制成隔爆型Ex dbⅡCT4 Gb/Ex tb ⅢC T130℃ Db，适用于工厂爆炸性气体环境（乙炔、氢气、二硫化碳等）的危险场所使用的源动力设备及适用于具有可燃性粉尘混合物的场所使用的设备（粉尘、纤维、飞絮，金属加工（铝、镁、钛），农副产品（面粉、可可、棉尘、亚麻、纤维、烟草等）；林产品加工（纸粉、木粉、）；合成材料（塑料、树脂、染料等）；化学原料药品（乙酸钠脂、阿司匹林、硬脂酸锌等）。

以上电动机基础上能制成W–户外型;TH–户内湿热型;WTH–户外湿热型；WT–户外热带型及WF1–户外中等防腐蚀气候环境的电机。（顾客订货时根据使用环境选定）

General Description

YBFBX5 series flameproof and dust explosion-proof high efficiency three-phase asynchronous motor (frame # 80 ~ 355) (hereinafter referred to as the electricity motivation) electrical properties Q / 320804 ksl07-2022 "YBFBX5 series flameproof and dust explosion-proof high efficiency three-phase asynchronous motor (stand no. 80 ~ 355) "regulation.

YBFBX5 series explosion-proof motor performance in line with the GB /T3836.1-2021 "explosive environment, part 1: general requirements"GB/T 3836.2-2021 "explosive environment part 2: the flame-proof shell" d " protection equipment". GB/T 3836.31-2021 "explosive environment parts: 31 lit by preventing dust shell of protection of the" T "equipment"

YBFBX5 (frame # 80 ~ 355) series made flameproof Ex dbII CT4 Gb/Ex TB Ⅲ C T130 ℃ Db, comfortable used in explosive gas environment factory (acetylene, hydrogen, carbon disulfide, etc.) for the dangerous sites use the source of power equipment and applicable In places of combustible dust in mixture with equipment (dust, fiber, metal (aluminum, magnesium, titanium), agricultural and sideline products (dust flour, cocoa, cotton, linen, fiber, tobacco, etc.); forest products processing (paper powder, wood powder,); us as materials (plastic, resin, dye, etc.); Chemical raw material drugs (sodium acetate ester, aspirin, zinc stearate, etc.)

Based on the above motor can be made into W - outdoor; TH - indoor syndrome; WTH - outdoor syndrome; WT - outdoor tropical type and WF1 - outdoor medium corrosion resistant climate environment of the motor. according to use environment (customer orders selected)

型号说明 / Model Instruction

YBFBX5 – 132S2 – 4

- 极数 The number of
- 规格代号，132 表示中心高、S2 表示铁芯长° Specifications, 132 high said center, long S2 said core °
- 产品代号，Y 表示三相异步电动机、BFBX 表示隔爆型兼粉尘防爆超高效率、5 表示第5 次改型设计 Product code, Y three-phase asynchronous motor, said BFBX said Flame-proof and dust explosion-proof high efficiency, 5 said fifth retrofit design

上力电机 Shangli motor

技术数据

TECHNICAL DATA

型号 Type	功率 Output (kW)	转速 Syncspeed (r/min)	效率Eff(%) 75%~100% 负载	功率因数 Power factor COS ϕ	额定电流 Rated current IN A	堵转电流 额定电流 Locket current / Rated current	额定转矩 Rated torque TN(Nm)	堵转转矩 额定转矩 Locket torque / Rated torque	最大转矩 额定转矩 Pull out torque / Rated torque	噪声 (Lp) Noise dB(A)	转动惯量 Inertia movement kg.m²	重量 Weight (kg)
同步转速 Synchronous speed 3000r/min												
YBFBX5-80M1-2	0.75	2825	86.3	0.83	1.59	10	2.54	2.3	2.3	56	0.0053	50
YBFBX5-80M2-2	1.1	2825	87.8	0.83	2.29	9	3.72	2.3	2.3	56	0.0074	53
YBFBX5-90S-2	1.5	2840	88.9	0.84	3.05	9	5.04	2.3	2.3	64	0.0095	60
YBFBX5-90L-2	2.2	2840	90.2	0.85	4.36	9.5	7.40	2.3	2.3	64	0.018	64
YBFBX5-100L-2	3	2880	91.1	0.87	5.75	9.5	9.95	2.3	2.3	68	0.032	82
YBFBX5-112M-2	4	2890	91.8	0.88	7.52	9.5	13.2	2.3	2.3	69	0.066	125
YBFBX5-132S1-2	5.5	2900	92.6	0.88	10.3	9.5	18.1	2.2	2.3	68	0.077	126
YBFBX5-132S2-2	7.5	2900	93.3	0.89	13.7	9.5	24.7	2.2	2.3	68	0.22	147
YBFBX5-160M1-2	11	2930	94	0.89	20.0	9.5	35.9	2.2	2.3	67	0.26	160
YBFBX5-160M2-2	15	2930	94.5	0.89	27.1	9.5	48.9	2.2	2.3	67	0.33	176
YBFBX5-160L-2	18.5	2930	94.9	0.89	33.3	9.5	60.3	2.2	2.3	67	0.39	242
YBFBX5-180M-2	22	2940	95.1	0.89	39.5	9.5	71.5	2.2	2.3	77	0.66	305
YBFBX5-200L1-2	30	2950	95.5	0.89	53.6	9	97.1	2.2	2.3	79	0.77	320
YBFBX5-200L2-2	37	2950	95.8	0.89	65.9	9	119.8	2.2	2.3	79	1.34	420
YBFBX5-225M-2	45	2970	96	0.89	80.0	9	144.7	2.2	2.3	82	1.63	441
YBFBX5-250M-2	55	2970	96.2	0.89	97.6	9	176.9	2.2	2.3	82	1.98	656
YBFBX5-280S-2	75	2970	96.5	0.89	132.7	8.5	241.2	2.0	2.3	83	2.12	945
YBFBX5-280M-2	90	2970	96.6	0.89	159.1	8.5	289.4	2.0	2.3	83	2.37	1155
YBFBX5-315S-2	110	2980	96.8	0.89	194.0	8.5	352.5	1.9	2.3	85	2.54	1218
YBFBX5-315M-2	132	2980	96.9	0.89	232.6	8.5	423.0	1.9	2.2	85	2.86	1418
YBFBX5-315L1-2	160	2980	97	0.9	278.5	8.5	512.8	1.9	2.2	85	3.38	1575
YBFBX5-315L-2	185	2980	97.2	0.9	321.3	8.5	592.9	1.9	2.2	85	3.58	1680
YBFBX5-315L2-2	200	2980	97.2	0.9	347.4	8.5	640.9	1.9	2.2	85	4.05	1775
YBFBX5-355S1-2	185	2980	97.2	0.9	321.3	8.5	592.9	1.9	2.2	85	5.06	1775
YBFBX5-355S2-2	200	2980	97.2	0.9	347.4	8.5	640.9	1.9	2.2	85	5.73	1932
YBFBX5-355M1-2	220	2980	97.2	0.9	382.1	8.5	705.0	1.8	2.2	85	6.53	2205
YBFBX5-355M2-2	250	2980	97.2	0.9	434.2	8.5	801.2	1.8	2.2	85	6.87	2373
YBFBX5-355L1-2	280	2980	97.2	0.87	503.1	8.5	897.3	1.8	2.2	85	7.30	2436
YBFBX5-355L2-2	315	2980	97.2	0.87	566.0	8.5	1009.5	1.8	2.2	85	7.41	2604
同步转速 Synchronous speed 1500r/min												
YBFBX5-80M1-4	0.55	1390	86.7	0.75	1.29	10	3.78	2.3	2.3	50	0.0074	45
YBFBX5-80M2-4	0.75	1390	88.2	0.75	1.72	8	5.15	2.3	2.3	50	0.013	48
YBFBX5-90S-4	1.1	1400	89.5	0.75	2.49	8.5	7.50	2.3	2.3	53	0.016	54
YBFBX5-90L-4	1.5	1400	90.4	0.75	3.36	8.5	10.2	2.3	2.3	53	0.033	58
YBFBX5-100L1-4	2.2	1420	91.4	0.8	4.57	9	14.8	2.3	2.3	56	0.041	75
YBFBX5-100L2-4	3	1420	92.1	0.81	6.11	9	20.2	2.3	2.3	56	0.062	103
YBFBX5-112M-4	4	1440	92.8	0.81	8.09	9	26.5	2.3	2.3	57	0.12	121
YBFBX5-132S-4	5.5	1440	93.4	0.81	11.0	9.5	36.5	2.0	2.3	57	0.18	126
YBFBX5-132M-4	7.5	1440	94	0.83	14.6	9.5	49.7	2.0	2.3	57	0.38	158
YBFBX5-160M-4	11	1460	94.6	0.83	21.3	9.5	72.0	2.0	2.3	66	0.44	176
YBFBX5-80M1-4	0.55	1390	86.7	0.75	1.29	10	3.78	2.3	2.3	50	0.0074	45
YBFBX5-80M2-4	0.75	1390	88.2	0.75	1.72	8	5.15	2.3	2.3	50	0.013	48
YBFBX5-90S-4	1.1	1400	89.5	0.75	2.49	8.5	7.50	2.3	2.3	53	0.016	54
YBFBX5-90L-4	1.5	1400	90.4	0.75	3.36	8.5	10.2	2.3	2.3	53	0.033	58

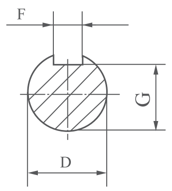
TECHNICAL DATA
技术数据

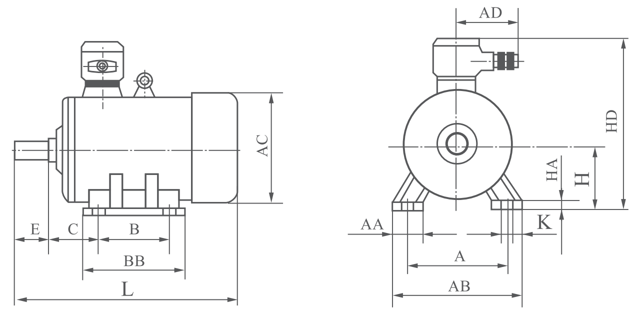
型号 Type	功率 Output (kW)	转速 Syncspeed (r/min)	效率Eff(%) 75%~100% 负载	功率因数 Power factor COS ϕ	额定电流 Rated current IN A	堵转电流 额定电流 Locket current / Rated current	额定转矩 Rated torque TN(Nm)	堵转转矩 额定转矩 Locket torque / Rated torque	最大转矩 额定转矩 Pull out torque / Rated torque	噪声 (Lp) Noise dB(A)	转动惯量 Inertia movement kg.m²	重量 Weight (kg)
同步转速 Synchronous speed 1500r/min												
YBFBX5-100L1-4	2.2	1420	91.4	0.8	4.57	9	14.8	2.3	2.3	56	0.041	75
YBFBX5-100L2-4	3	1420	92.1	0.81	6.11	9	20.2	2.3	2.3	56	0.062	103
YBFBX5-112M-4	4	1440	92.8	0.81	8.09	9	26.5	2.3	2.3	57	0.12	121
YBFBX5-132S-4	5.5	1440	93.4	0.81	11.0	9.5	36.5	2.0	2.3	57	0.18	126
YBFBX5-132M-4	7.5	1440	94	0.83	14.6	9.5	49.7	2.0	2.3	57	0.38	158
YBFBX5-160M-4	11	1460	94.6	0.83	21.3	9.5	72.0	2.0	2.3	66	0.44	176
YBFBX5-160L-4	15	1460	95.1	0.85	28.2	9.5	98.1	2.0	2.3	66	0.71	231
YBFBX5-180M-4	18.5	1470	95.3	0.85	34.7	9.5	120.2	2.0	2.3	68	0.76	305
YBFBX5-180L-4	22	1470	95.5	0.86	40.7	9.5	142.9	2.0	2.3	68	0.85	315
YBFBX5-200L-4	30	1470	95.9	0.86	55.3	9	194.9	2.0	2.3	71	1.27	420
YBFBX5-225S-4	37	1480	96.1	0.87	67.2	9	238.8	2.0	2.3	65	1.94	546
YBFBX5-225M-4	45	1480	96.3	0.87	81.6	9	290.4	2.0	2.3	65	2.44	588
YBFBX5-250M-4	55	1480	96.5	0.87	99.5	9	354.9	2.0	2.3	70	3.00	698
YBFBX5-280S-4	75	1480	96.7	0.88	133.9	8.5	484.0	2.0	2.3	77	3.51	819
YBFBX5-280M-4	90	1485	96.9	0.88	160.4	8.5	578.8	2.0	2.3	77	4.91	1208
YBFBX5-315S-4	110	1485	97	0.89	193.6	8.5	707.4	2.0	2.2	77	5.21	1260
YBFBX5-315M-4	132	1485	97.1	0.89	232.1	8.5	848.9	2.0	2.2	77	5.48	1386
YBFBX5-315L1-4	160	1485	97.2	0.89	281.0	8.5	1029.0	2.0	2.2	78	5.70	1491
YBFBX5-315L-4	185	1485	97.4	0.89	324.3	8.5	1189.7	2.0	2.2	78	5.90	1575
YBFBX5-315L2-4	200	1485	97.4	0.89	350.5	8.5	1286.2	2.0	2.2	78	6.77	1785
YBFBX5-355S1-4	185	1488	97.4	0.89	324.3	8.5	1187.3	2.0	2.2	82	6.89	1890
YBFBX5-355S2-4	200	1488	97.4	0.89	350.5	8.5	1283.6	2.0	2.2	82	7.22	1922
YBFBX5-355M1-4	220	1488	97.4	0.89	385.6	8.5	1412.0	2.0	2.2	82	7.58	2037
YBFBX5-355M2-4	250	1488	97.4	0.89	438.2	8.5	1604.5	2.0	2.2	82	7.83	2184
YBFBX5-355L1-4	280	1488	97.4	0.89	490.8	8.5	1797.0	2.0	2.2	82	8.06	2373
YBFBX5-355L2-4	315	1488	97.4	0.89	552.1	8.5	2021.7	2.0	2.2	82	8.19	2394
同步转速 Synchronous speed 1000r/min												
YBFBX5-80M1-6	0.37	910	81.6	0.7	0.98	10	3.88	1.9	2.0	49	0.0074	48
YBFBX5-80M2-6	0.55	910	84.2	0.72	1.38	9	5.77	1.9	2.1	49	0.013	53
YBFBX5-90S-6	0.75	910	85.7	0.72	1.85	8.5	7.87	2.1	2.1	49	0.016	59
YBFBX5-90L-6	1.1	910	87.2	0.73	2.63	7.8	11.5	2.1	2.1	49	0.033	64
YBFBX5-100L-6	1.5	940	88.4	0.74	3.48	8	15.2	2.1	2.1	53	0.045	82
YBFBX5-112M-6	2.2	940	89.7	0.74	5.04	8	22.4	2.1	2.1	57	0.441	125
YBFBX5-132S-6	3	960	90.6	0.74	6.80	7.5	29.8	2.0	2.1	61	0.71	126
YBFBX5-132M1-6	4	960	91.4	0.74	8.99	8	39.8	2.0	2.1	61	0.08	137
YBFBX5-132M2-6	5.5	960	92.2	0.75	12.1	8	54.7	2.0	2.1	61	0.85	162
YBFBX5-160M-6	7.5	970	92.9	0.78	15.7	8	73.8	2.1	2.1	62	1.27	185
YBFBX5-160L-6	11	970	93.7	0.78	22.9	8.5	108.3	2.1	2.1	62	1.39	236
YBFBX5-180L-6	15	970	94.3	0.81	29.8	8.5	147.7	2.0	2.1	62	1.70	305
YBFBX5-200L1-6	18.5	970	94.6	0.81	36.7	8.5	182.1	2.1	2.1	68	1.93	331
YBFBX5-200L2-6	22	970	94.9	0.82	43.0	8.5	216.6	2.1	2.1	68	2.55	431
YBFBX5-225M-6	30	980	95.3	0.81	59.0	8.5	292.3	2.0	2.1	68	2.81	473
YBFBX5-250M-6	37	980	95.6	0.84	70.0	8.5	360.6	2.1	2.1	70	3.63	667
YBFBX5-280S-6	45	980	95.8	0.86	83.0	8.5	438.5	2.1	2.0	72	4.17	767
YBFBX5-280M-6	55	980	96	0.86	101.2	8.5	536.0	2.0	2.0	72	4.80	1134
YBFBX5-315S-6	75	985	96.3	0.85	139.2	8	727.2	2.0	2.0	73	5.07	1197
YBFBX5-315M-6	90	985	96.5	0.84	168.7	8	872.6	2.0	2.0	73	5.59	1376
YBFBX5-315L1-6	110	985	96.6	0.85	203.5	8	1066.5	2.0	2.0	73	6.25	1470
YBFBX5-315L2-6	132	985	96.8	0.86	240.9	8	1279.8	2.0	2.0	73	7.69	1733
YBFBX5-355S-6	160	985	96.9	0.86	291.7	8	1551.3	1.9	2.0	79	8.28	1848
YBFBX5-355M1-6	185	985	97	0.86	337.0	8	1793.7	1.9	2.0	79	8.58	2069
YBFBX5-355M2-6	200	985	97	0.86	364.3	8	1939.1	1.9	2.0	79	8.66	2247
YBFBX5-355L1-6	220	985	97	0.86	400.7	8	2133.0	1.9	2.0	79	8.78	2363
YBFBX5-355L2-6	250	985	97	0.86	455.3	8	2423.9	1.9	2.0	79	8.80	2394
同步转速 Synchronous speed 750r/min												
YBFBX5–80M1–8	0.18	710	71.9	0.61	0.62	7.5	2.42	1.8	1.9	49	0.0074	48
YBFBX5–80M2–8	0.25	710	75.2	0.61	0.83	7.9	3.36	1.8	2.0	49	0.013	53
YBFBX5–90S–8	0.37	710	78.4	0.61	1.18	8.3	4.98	1.8	2.0	49	0.016	59
YBFBX5–90L–8	0.55	710	80.6	0.61	1.70	7.4	7.40	1.8	2.0	49	0.033	64
YBFBX5–100L1–8	0.75	710	82	0.67	2.07	7.4	10.1	1.8	2.0	51	0.045	82
YBFBX5–100L2–8	1.1	710	84	0.68	2.93	7.1	14.8	1.8	2.0	51	0.047	125
YBFBX5–112M–8	1.5	710	85.5	0.7	3.81	7.2	20.2	1.8	2.0	53	0.29	116
YBFBX5–132S–8	2.2	710	87.2	0.7	5.48	7.4	29.6	1.9	2.0	56	0.32	126
YBFBX5–132M–8	3	710	88.4	0.73	7.06	7.8	40.4	1.9	2.0	56	0.34	139
YBFBX5–160M1–8	4	720	89.4	0.73	9.31	7.9	53.1	1.9	2.0	60	0.48	151
YBFBX5–160M2–8	5.5	720	90.4	0.74	12.5	8.1	73.0	2.0	2.0	60	0.64	184
YBFBX5–160L–8	7.5	720	91.3	0.74	16.9	7.8	99.5	2.0	2.0	60	1.11	236
YBFBX5–180L–8	11	730	92.2	0.74	24.5	7.9	143.9	1.9	2.0	62	1.68	315
YBFBX5–200L–8	15	730	92.9	0.75	32.7	8	196.2	1.9	2.0	65	2.39	394
YBFBX5–225S–8	18.5	730	93.3	0.75	40.2	8	242.0	1.9	2.0	65	2.88	452
YBFBX5–225M–8	22	730	93.6	0.76	47.0	8.3	287.8	1.9	2.0	65	3.85	473
YBFBX5–250M–8	30	730	94.1	0.77	62.9	7.8	392.5	1.9	2.0	67	5.42	635
YBFBX5–280S–8	37	740	94.4	0.78	76.3	7.9	477.5	1.8	2.0	67	6.11	735
YBFBX5–280M–8	45	740	94.7	0.78	92.6	7.9	580.7	1.8	2.0	67	7.08	966
YBFBX5–315S–8	55	740	94.9	0.8	110.1	8.1	709.8	1.8	2.0	70	7.72	1155
YBFBX5–315M–8	75	740	95.3	0.8	149.5	7.6	967.9	1.8	2.0	70	9.23	1176
YBFBX5–315L1–8	90	740	95.5	0.81	176.8	7.7	1161.5	1.8	2.0	70	9.64	1365
YBFBX5–315L2–8	110	740	95.7	0.81	215.6	7.7	1419.6	1.8	2.0	70	10.70	1722
YBFBX5–355S–8	132	740	95.9	0.81	258.2	7.7	1703.5	1.8	2.0	77	11.80	1911
YBFBX5–355M–8	160	740	96.1	0.82	308.5	7.8	2064.9	1.8	2.0	77	13.10	2205
YBFBX5–355L1–8	185	740	96.3	0.82	356.0	7.8	2387.5	1.8	2.0	77	14.24	2310
YBFBX5–355L2–8	200	740	96.3	0.82	384.8	7.8	2581.1	1.8	2.0	77	14.41	2415

注：1、当电压U 不为380V 时，电流I =IN*380/U，其余参数不变；2、 对额定频率为60Hz 的电动机，机座号200 ～355 的2 极电动机空载噪声数值为该表对应值加上6dB(A)，其它极数的电动机空载噪声数值为该表对应值加上5dB(A)。

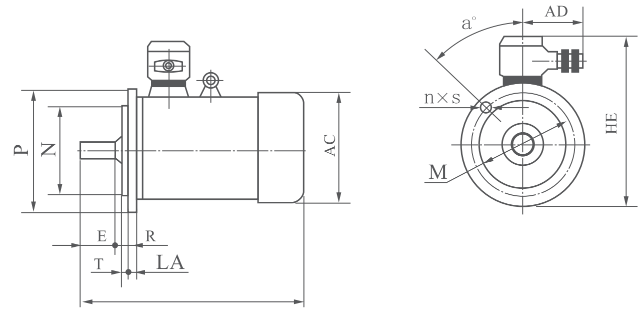
Note: 1, when U not for 380 v voltage, electric current I = * 380 / U, IN the rest of the parameters are the same; 2, to the rated frequency is 60 hz motor, frame # 200 ~ 355 of the 2 pole motor no-load noise values for the table corresponding value plus 6 db (A), the number of other motor no-load noise values for the table of corresponding value plus 5 db (A).

MOUNTING AND OVERALL DIMENSIONS
安装及外形尺寸

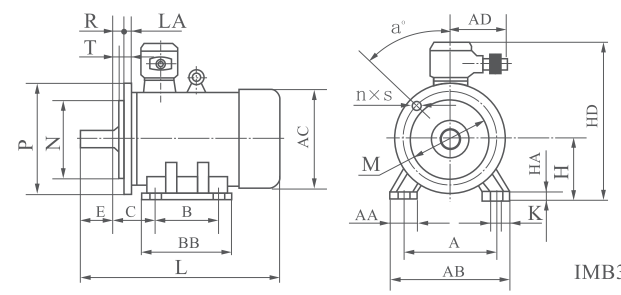




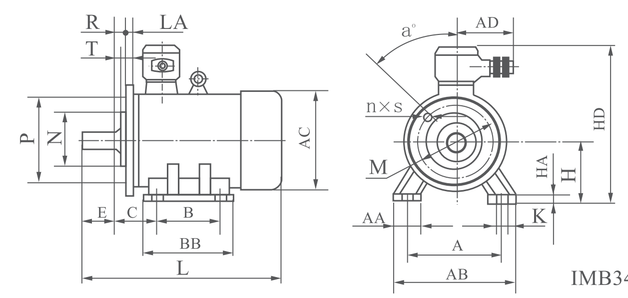
IMB3



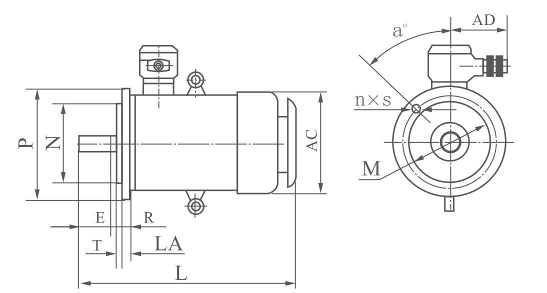
IMB5



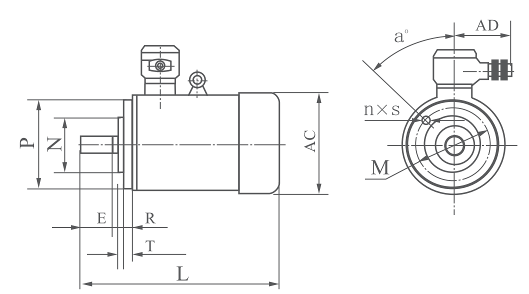
IMB35



IMB34



IMV1



IMB14

机座号 Frame size	凸缘号 Flanje number IMB35 IMB5 IMV1	凸缘号 Flanje number IMB14 IMB34	A	B	C	D 2P	D ≥4P	E 2P	E ≥4P	F 2P	F ≥4P	G 2P	G ≥4P	H	K	凸缘尺寸 Flange dimensions IMB35 IMB5 IMV1 M	N	P	R	α°	n×s	T	凸缘尺寸 Flange dimensions IMB14 IMB34 M	N	P	R	α°	n×s	T	进张管口螺纹 Thread of conduit entry 单口 One entry	双口 Two entries	AA	AB	AC	AD	BB	HA	HD	HE	LA	L 2P 其它 Other	L 2P V_1	L ≥4P 其它 Other	L ≥4P V_1
63	FF115	FF75	100	80	40	11		23		4		8.5		63	7	115	95	140	0	45	4×φ10	3.0	75	60	90	0	45	4×M5	2.5	M24×1.5		30	130	130	110	110	8	230	230	10	270	310	270	310
71	FF130	FF85	112	90	45	14		30		5		11		71	7	130	110	160	0	45	4×φ10	3.0	85	70	105	0	45	4×M6	2.5	M24×1.5		32	145	145	110	130	8	240	240	12	300	340	300	340
80	FF165	FF100	125	100	50	19		40		6		15.5		80	10	165	130	200	0	45	4×φ12	3.5	100	80	120	0	45	4×M6	3.0	M30×2		34	160	165	180	130	10	300	340	12	325	385	325	385
90S	FF165	FF115	140	100	56	24		50		8		20		90	10	165	130	200	0	45	4×φ12	3.5	115	95	140	0	45	4×M8	3.0	M30×2		36	175	180	180	130	14	320	355	14	370	430	370	430
90L	FF165	FF115	140	125	56	24		50		8		20		90	10	165	130	200	0	45	4×φ12	3.5	115	95	140	0	45	4×M8	3.0	M30×2		36	175	180	180	155	14	320	355	14	385	455	395	455
100L	FF215	FF130	160	140	63	28		60		8		24		100	12	215	180	250	0	45	4×φ14.5	4.0	130	110	160	0	45	4×M8	3.5	M30×2		43	200	205	180	176	14	345	400	14	445	505	445	505
112M	FF215	FF130	190	140	70	28		60		8		24		112	12	215	180	250	0	45	4×φ14.5	4.0	130	110	160	0	45	4×M8	3.5	M30×2		50	240	225	200	180	16	360	420	14	520	580	520	580
132S	FF265		216	140	89	38		80		10		33		132	12	265	230	300	0	45	4×φ14.5	4.0								M30×2		60	280	265	200	190	18	420	490	14	535	595	535	595
132M	FF265		216	178	89	38		80		10		33		132	12	265	230	300	0	45	4×φ14.5	4.0								M30×2		60	280	265	200	230	18	420	490	14	570	630	570	630
160M	FF300		254	210	108	42		110		12		37		160	14.5	300	250	350	0	45	4×φ18.5	5.0								M36×2		70	324	320	220	258	20	490	520	15	730	790	730	790
160L	FF300		254	254	108	42		110		12		37		160	14.5	300	250	350	0	45	4×φ18.5	5.0								M36×2		70	324	320	220	302	20	490	520	15	770	830	770	830
180M	FF300		279	241	121	48		110		14		42.5		180	14.5	300	250	350	0	45	4×φ18.5	5.0								M36×2		70	350	360	220	311	25	525	540	18	795	855	795	855
180L	FF300		279	279	121	48		110		14		42.5		180	14.5	300	250	350	0	45	4×φ18.5	5.0								M36×2		70	350	360	220	349	25	525	540	18	830	890	830	890
200L	FF350		318	305	133	55		110		16		49		200	18.5	350	300	400	0	45	4×φ18.5	5.0								M48×2		70	390	400	250	366	25	645	650	18	885	945	885	945
225S	FF400		356	286	149	55	60	110	140	16	18	49	53	225	18.5	400	350	450	0	22.5	8×φ18.5	5.0								M48×2		75	430	450	250	355	28	690	695	18	935	1005	935	1005
225M	FF400		356	311	149	55	60	110	140	16	18	49	53	225	18.5	400	350	450	0	22.5	8×φ18.5	5.0								M48×2		75	430	450	250	380	28	690	695	18	940	1010	970	1040
250M	FF500		406	349	168	60	65	140	140	18	18	53	58	250	24	500	450	550	0	22.5	8×φ18.5	5.0								M64×2	M48×2	80	485	500	275	420	30	720	755	20	1025	1095	1025	1095
280S	FF500		457	368	190	65	75	140	140	18	20	58	67.5	280	24	500	450	550	0	22.5	8×φ18.5	5.0								M64×2	M48×2	85	545	560	275	458	35	790	795	22	1060	1130	1060	1130
280M	FF500		457	419	190	65	75	140	140	18	20	58	67.5	280	24	500	450	550	0	22.5	8×φ18.5	5.0								M64×2	M48×2	85	545	560	275	509	35	790	795	22	1125	1195	1125	1195
315S	FF600		508	406	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	22.5	8×φ24	6.0									M64×2	120	630	630	350	550	45	920	975	25	1265	1335	1295	1365
315M	FF600		508	457	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	22.5	8×φ24	6.0									M64×2	120	630	630	350	680	45	920	975	25	1425	1495	1455	1525
315L	FF600		508	508	216	65	80	140	170	18	22	58	71	3115	28	600	550	660	0	22.5	8×φ24	6.0									M64×2	120	630	630	350	680	45	920	975	25	1425	1495	1455	1525
355S	FF740		610	500	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	0	22.5	8×φ24	6.0									M64×2	120	730	710	350	640	52	1080	1145	25	1450	1520	1480	1550
355M	FF740		610	560	254	75	95	140	170	20	25	67.8	86	355	28	740	680	800	0	22.5	8×φ24	6.0									M64×2	120	730	710	350	700	52	1080	1145	25	1545	1615	1575	1645
355L	FF740		610	630	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	0	22.5	8×φ24	6.0									M64×2	120	730	710	350	700	52	1080	1145	25	1615	1685	1645	1715

MOTORS
SERIES PRODUCT
产品概述









YBX4系列高效率隔爆型三相异步电动机
YBX4 SERIES HIGH EFFICIENCY FLAMEPROOF THREE-PHASE ASYNCHRONOUS MOTOR

概述

YBX4 系列电动机为我公司自主研发推出的全封闭、自扇冷、鼠笼式高效率隔爆型三相异步电动机。效率指标符合GB18613–2020《中小型三相异步电动机能效限定值及能效等级》中的能效等级2级，且具有性能优良，使用安全可靠，振动、噪声比同类产品低的特点，符合环保要求。

General Description

YBX4 series motor is my company independent research and development of closed, since the fan cooling, cage type flameproof three-phase asynchronous motor with high efficiency. Efficiency indicators meet GB18613-2020 "small and medium sized three-phase asynchronous motor limited value of energy efficiency and energy efficiency rating" of energy efficiency level 2 grade, and has good performance, the use of safe and reliable, the characteristics of the vibration and noise is lower than similar products, comply with environmental requirements.

用途

适用于石油、化工、矿业、冶金、电力、等行业有爆炸性气体混合物存在的场所。是理想的动力设备。

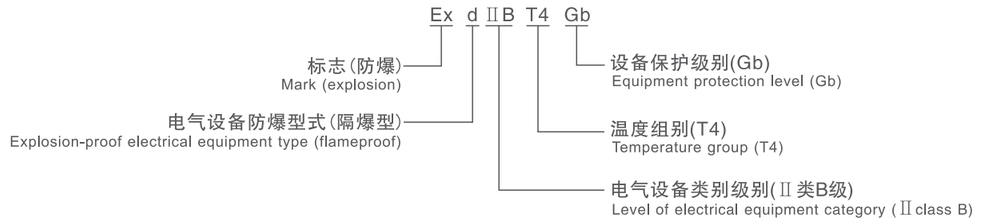
Purpose

Applicable to petroleum, chemical, mining, metallurgy, electric power, have the existence of the sites with explosive air mixture. Is the ideal power equipment.

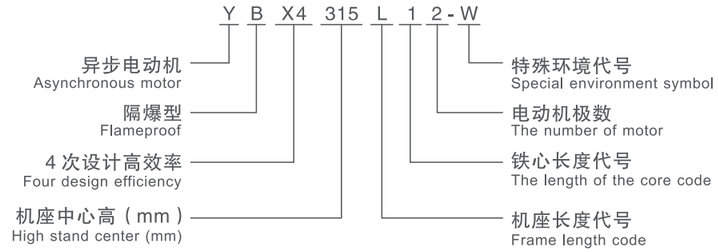
YBX4系列高效率隔爆型三相异步电动机
YBX4 SERIES HIGH EFFICIENCY FLAMEPROOF THREE-PHASE ASYNCHRONOUS MOTOR

型号说明 / Model Instruction

1、电动机防爆标志代表的意义：The significance of explosion-proof motor sign on behalf of:



2、电动机型号代表意义示例：Motor model representative example:



MOTORS
SERIES PRODUCT
产品概述

执行标准

YBX4 超高效率隔爆型三相异步电动机执行相关主要标准：

GB 755 旋转电机定额和性能

GB/T 1032 三相异步电动机试验方法

GB/T 1993 旋转电机冷却方法

GB 3836.1 爆炸性环境第 1 部分：设备通用要求

GB 3836.2 爆炸性环境第 2 部分：由隔爆外壳“d”保护的设备GB/T 4942.1旋转电机整体结构的防护等级（IP代码）分级

GB 10068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GB/T 10069.1旋转电机噪声测定方法及限值第 1 部分：旋转电机噪声测定方法

GB/T 10069.3 旋转电机噪声测定方法及限值第 3 部分：噪声限值

GB 18613中小型三相异步电动机能效限定值及能效等级

Xecution standard

YBX4 ultra high efficiency flameproof three-phase asynchronous motor to perform relevant main criteria: GB 755 rotary motor and performance

GB/T 1032 three-phase asynchronous motor test method

GB/T 1993 rotary motor cooling method

GB 3836.1 explosive environment, part 1: general requirements for equipment

GB 3836.2 part 2: explosive environment by flame-proof enclosures "d" protection equipment of GB/T 4942.1 protection grade of the whole structure of a rotary motor (IP code)

GB 10068 high shaft center for 56 mm and above mechanical vibration of motor vibration measurement, assessment and limit of GB/T 10069.1 rotary motor noise measurement method and limit part 1: a rotary motor noise measurement method

GB/T 10069.3 rotary motor noise measurement method and limit part 3: noise limit

GB 18613 small and medium-sized three-phase asynchronous motor limited value of energy efficiency and energy efficiency rating

基本特征

1. 机座号：80～355。
2. 额定功率范围：0.18～315KW
3. 极数：2～10 极
4. 额定电压：380、660、380/660V、400、690、400/690V。(注：基本系列 3kW 及以下电压 380V 为 Y 接，3kW 以上电压 380V 为△接；也可按特殊电压制造)
5. 额定频率：50Hz 或者 60Hz
6. 绝缘等级：155（F）级
7. 效率：GB18613–2020的2级
8. 冷却方式：IC411
9. 安装方式：IMB3(也可制造其它安装方式)。
10. 防护等级：IP55
11. 运行方式：S1
12. 防爆标志：Ex d ⅡB T4 Gb，Ex d ⅡC T4 Gb。
13. 户内（标准配置）。可选配置：户外（W）、户外防中等腐蚀（WF1）、户外防强腐蚀（WF2）、户内防中等腐蚀（F1）、户内防强腐蚀（F2）、湿热带（TH）、干热带（TA）、户外湿热带（THW）、户外干热带（TAW）。

Our identities

1. The stand no. : 80-355.
2. Rated power range: 0.18 ~ 315 kw
3. Number: 2 ~ 10
4. Rated voltage: 380, 660, 400, 690, 400/690, 380/660 v v. (note: basic series 3 kw and under voltage 380 V to Y, more than 3 kw for delta voltage 380 V; Can also be made according to the special voltage)
5. The rated frequency 50 HZ or 60 HZ
6. Insulation class: 155 (F)
7. Efficiency: GB18613-2020 grade 2
8. The cooling way: IC411
9. Installation: IMB3 (can also manufacture other installation).
10. Protection grade: IP55
11. operation mode: S1
12. Explosion-proof marks: Ex d Ⅱ B T4 Gb, Ex Ⅱ C d T4 Gb.
13. Indoor (standard). Optional configuration: outdoor (W), outdoor medium corrosion prevention (WF1), strong corrosion (WF2), outdoor medium corrosion prevention (F1), indoor strong corrosion prevention (F2), humid tropics (TH), dry (TA), outdoor hot and humid tropical belt (THW), outdoor dry tropical (TAW).

上力电机
Shangli motor

技术数据
TECHNICAL DATA

型号 Type	额定 Rated 功率 Output (kW)	电流 Current (380V) (A)	转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	堵转转矩 额定转矩 Locket torque Rated torque	堵转电流 额定电流 Locket current Rated current	最大转矩 额定转矩 Pull out torque Rated torque	噪声 Noise (Lw)	转动惯量 Inertia movement	重量 Weight (kg)
同步转速 Synchronous speed 3000r/min											
YBX4-80M1-2	0.75	1.6	2825	83.5	0.83	2.1	8.5	2.3	67	0.005	36
YBX4-80M2-2	1.1	2.4	2825	85.2	0.83	2.1	8.5	2.3	67	0.007	37
YBX4-90S-2	1.5	3.1	2840	86.5	0.85	2.1	9	2.3	72	0.009	44
YBX4-90L-2	2.2	4.4	2840	88	0.86	2	9	2.3	72	0.017	48
YBX4-100L-2	3	5.9	2880	89.1	0.87	1.9	9.5	2.3	76	0.030	60
YBX4-112M-2	4	7.7	2890	90	0.88	1.9	9.5	2.3	77	0.063	72
YBX4-132S1-2	5.5	10.4	2900	90.9	0.88	1.9	9.5	2.3	80	0.073	92
YBX4-132S2-2	7.5	14.0	2900	91.7	0.89	1.9	9.5	2.3	80	0.21	99
YBX4-160M1-2	11	20.2	2930	92.6	0.89	1.9	9.5	2.3	86	0.31	145
YBX4-160M2-2	15	27.4	2930	93.3	0.89	1.9	9.5	2.3	86	0.37	154
YBX4-160L-2	18.5	33.7	2930	93.7	0.89	1.9	9.5	2.3	86	0.63	165
YBX4-180M-2	22	40.0	2940	94	0.89	1.9	9.5	2.3	88	0.73	260
YBX4-200L1-2	30	54.2	2950	94.5	0.89	2.0	9	2.3	90	1.28	297
YBX4-200L2-2	37	66.6	2950	94.8	0.89	2.0	9	2.3	90	1.55	323
YBX4-225M-2	45	80.9	2970	95	0.89	2.0	9	2.3	92	1.89	457
YBX4-250M-2	55	98.5	2970	95.3	0.89	2.0	9	2.3	93	2.02	518
YBX4-280S-2	75	133.9	2970	95.6	0.89	1.8	8.5	2.3	94	2.26	693
YBX4-280M-2	90	160.4	2970	95.8	0.89	1.8	8.5	2.3	94	2.42	756
YBX4-315S-2	110	195.6	2980	96	0.89	1.8	8.5	2.2	96	2.726	1174
YBX4-315M-2	132	234.2	2980	96.2	0.89	1.8	8.5	2.2	96	3.22	1328
YBX4-315L1-2	160	283.6	2980	96.3	0.89	1.8	8.5	2.2	98	3.41	1371
YBX4-315L2-2	(200)	353.8	2980	96.5	0.89	1.8	8.5	2.2	98	3.86	1446
YBX4-355S1-2	(185)	327.3	2980	96.5	0.89	1.6	8.5	2.2	98	4.82	1619
YBX4-355S2-2	(200)	353.8	2980	96.5	0.89	1.6	8.5	2.2	98	5.46	1619
YBX4-355M1-2	(220)	389.2	2980	96.5	0.89	1.6	8.5	2.2	100	6.22	1705
YBX4-355M2-2	250	432.6	2980	96.5	0.91	1.6	8.5	2.2	100	6.54	1705
YBX4-355L1-2	(280)	484.5	2980	96.5	0.91	1.6	8.5	2.2	100	6.95	1915
YBX4-355L2-2	315	545.0	2980	96.5	0.91	1.6	8.5	2.2	100	7.06	2068
同步转速 Synchronous speed 1500r/min											
YBX4-80M1-4	0.55	1.3	1390	83.9	0.74	2.2	8.5	2.3	58	0.007	34
YBX4-80M2-4	0.75	1.8	1390	85.7	0.74	2.2	8.5	2.3	58	0.012	35
YBX4-90S-4	1.1	2.6	1400	87.2	0.75	2.2	8.5	2.3	61	0.015	37
YBX4-90L-4	1.5	3.4	1400	88.2	0.76	2.2	9	2.3	61	0.031	39
YBX4-100L1-4	2.2	4.7	1420	89.5	0.79	2.2	9	2.3	64	0.039	56
YBX4-100L2-4	3	6.3	1420	90.4	0.8	2.2	9.5	2.3	64	0.059	60
YBX4-112M-4	4	8.3	1440	91.1	0.8	2.2	9.5	2.3	65	0.113	78
YBX4-132S4	5.5	11.4	1440	91.9	0.8	2.0	9.5	2.3	71	0.167	99
YBX4-132M-4	7.5	15.2	1440	92.6	0.81	2.0	9.5	2.3	71	0.36	110
YBX4-160M-4	11	21.6	1460	93.3	0.83	2.2	9.5	2.3	75	0.42	150
YBX4-160L-4	15	28.9	1460	93.9	0.84	2.2	9.5	2.3	75	0.68	162
YBX4-180M-4	18.5	35.1	1470	94.2	0.85	2.2	9.5	2.3	76	0.72	253
YBX4-180L-4	22	41.6	1470	94.5	0.85	2.2	9.5	2.3	76	0.81	275
YBX4-200L-4	30	56.5	1470	94.9	0.85	2.2	9	2.3	79	1.21	309
YBX4-225S-4	37	69.5	1480	95.2	0.85	2.2	9	2.3	81	1.85	390
YBX4-225M-4	45	84.3	1480	95.4	0.85	2.2	9	2.3	81	2.32	422
YBX4-250M-4	55	101.5	1480	95.7	0.86	2.2	9	2.3	83	2.86	536
YBX4-280S-4	75	136.4	1480	96	0.87	2.2	8.5	2.3	86	3.34	777
YBX4-280M-4	90	161.7	1485	96.1	0.88	2.2	8.5	2.3	86	4.68	885
YBX4-315S-4	110	195.0	1485	96.3	0.89	2.2	8.5	2.2	93	4.96	1195
YBX4-315M-4	132	233.8	1485	96.4	0.89	2.2	8.5	2.2	93	5.22	1324
YBX4-315L1-4	160	279.6	1485	96.6	0.90	2.2	8.5	2.2	94	5.43	1397
YBX4-315L-4	185	323.0	1485	96.7	0.90	2.2	8.5	2.2	94	5.62	1507
YBX4-315L2-4	200	349.2	1485	96.7	0.90	2.2	8.5	2.2	94	6.45	1507
YBX4-355S1-4	(185)	323.0	1488	96.7	0.90	2.2	8.5	2.2	94	6.56	1672
YBX4-355S2-4	(200)	349.2	1488	96.7	0.90	2.2	8.5	2.2	94	6.88	1718
YBX4-355M1-4	(220)	384.1	1488	96.7	0.90	2.2	8.5	2.2	95	7.22	1804
YBX4-355M2-4	250	436.5	1488	96.7	0.90	2.2	8.5	2.2	95	7.46	1865
YBX4-355L1-4	(280)	488.8	1488	96.7	0.90	2.2	8.5	2.2	95	7.68	2061
YBX4-355L2-4	315	549.9	1488	96.7	0.90	2.2	8.5	2.2	95	7.8	2174

注：带（ ）为不推荐的规格 The specifications of the belt ( ) is not recommended

TECHNICAL DATA
技术数据

型号 Type	额定 Rated 功率 Output (kW)	电流 Current (380V) (A)	转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	堵转转矩 / 额定转矩 Locket torque / Rated torque	堵转电流 / 额定电流 Locket current / Rated current	最大转矩 / 额定转矩 Pull out torque / Rated torque	噪声 Noise (Lw)	转动惯量 Inertia movement	重量 Weight (kg)
同步转速 Synchronous speed 1000r/min											
YBX4-80M1-6	0.37	1.0	931	78	0.70	1.9	7.5	2	54	0.007	32
YBX4-80M2-6	0.55	1.5	933	80.9	0.70	1.9	7.5	2.1	54	0.012	35
YBX4-90S-6	0.75	2.0	938	82.7	0.70	2.1	7.5	2.1	57	0.015	35
YBX4-90L-6	1.1	2.8	938	84.5	0.70	2.1	7.5	2.1	57	0.031	37
YBX4-100L-6	1.5	3.7	941	85.9	0.71	2.1	7.5	2.1	61	0.043	55
YBX4-112M-6	2.2	5.4	964	87.4	0.71	2.1	7.5	2.1	65	0.42	67
YBX4-132S-6	3	7.2	979	88.6	0.71	2.0	7.5	2.1	69	0.68	88
YBX4-132M1-6	4	9.4	979	89.5	0.72	2.0	8	2.1	69	0.072	95
YBX4-132M2-6	5.5	12.8	979	90.5	0.72	2.0	8	2.1	69	0.81	104
YBX4-160M-6	7.5	16.4	983	91.3	0.76	2.1	8	2.1	73	1.21	140
YBX4-160L-6	11	23.5	984	92.3	0.77	2.1	8.5	2.1	73	1.32	165
YBX4-180L-6	15	30.7	988	92.9	0.80	2.0	8.5	2.1	73	1.62	236
YBX4-200L1-6	18.5	37.6	990	93.4	0.80	2.1	8.5	2.1	76	1.84	259
YBX4-200L2-6	22	44.0	990	93.7	0.81	2.1	8.5	2.1	76	2.43	302
YBX4-225M-6	30	59.0	991	94.2	0.82	2.0	8.3	2.1	76	2.68	390
YBX4-250M-6	37	71.7	993	94.5	0.83	2.1	8.3	2.1	78	3.46	510
YBX4-280S-6	45	86.9	994	94.8	0.83	2.1	8.5	2.0	80	3.97	709
YBX4-280M-6	55	104.6	995	95.1	0.84	2.1	8.5	2.0	80	4.57	786
YBX4-315S-6	75	142.2	995	95.4	0.84	2.0	8	2.0	85	4.83	1155
YBX4-315M-6	90	168.3	995	95.6	0.85	2.0	8	2.0	85	5.32	1277
YBX4-315L1-6	110	205.2	995	95.8	0.85	2.0	8	2.0	85	5.95	1375
YBX4-315L2-6	132	242.9	995	96.0	0.86	2.0	8	2.0	85	7.32	1467
YBX4-355S-6	160	293.8	995	96.2	0.86	2.0	8	2.0	92	7.89	1754
YBX4-355M1-6	(185)	335.9	995	96.2	0.86	2.0	8	2.0	92	8.17	1815
YBX4-355M2-6	200	366.9	996	96.3	0.86	2.0	8	2.0	92	8.25	1866
YBX4-355L1-6	(220)	399.0	996	96.3	0.86	2.0	8	2.0	92	8.36	2070
YBX4-355L2-6	250	457.7	996	96.5	0.86	2.0	8	2.0	92	8.38	2180
同步转速 Synchronous speed 750r/min											
YBX4-80M1-8	0.18	0.7	650	67.2	0.61	1.8	7	1.9	52	0.007	33
YBX4-80M2-8	0.25	0.9	650	70.8	0.61	1.8	7	1.9	52	0.012	34
YBX4-90S-8	0.37	1.2	670	74.3	0.61	1.8	7	1.9	56	0.015	41
YBX4-90L-8	0.55	1.8	670	77	0.61	1.8	7	2	56	0.031	44
YBX4-100L1-8	0.75	2.2	690	78.4	0.66	1.8	7	2	59	0.043	51
YBX4-100L2-8	1.1	3.1	690	80.8	0.67	1.8	7	2	59	0.045	54
YBX4-112M-8	1.5	4.0	690	82.6	0.69	1.8	7	2	61	0.28	62
YBX4-132S-8	2.2	5.7	710	84.5	0.70	1.8	7.5	2	64	0.3	89
YBX4-132M-8	3	7.6	710	85.9	0.70	1.8	7.8	2	64	0.32	95
YBX4-160M1-8	4	9.8	720	87.1	0.71	1.9	7.9	2	68	0.46	120
YBX4-160M2-8	5.5	13.1	720	88.3	0.72	1.9	8.1	2	68	0.61	132
YBX4-160L-8	7.5	17.2	730	89.3	0.74	1.9	7.8	2	68	1.06	155
YBX4-180L-8	11	25.0	730	90.4	0.74	2.0	7.9	2	70	1.6	221
YBX4-200L-8	15	33.3	730	91.2	0.75	2.0	8.0	2	73	2.28	280
YBX4-225S-8	18.5	40.9	740	91.7	0.75	1.9	8.1	2	73	2.74	330
YBX4-225M-8	22	47.8	740	92.1	0.76	1.9	8.3	2	73	3.67	350
YBX4-250M-8	30	63.9	740	92.7	0.77	1.9	7.9	2	75	5.16	472
YBX4-280S-8	37	77.4	740	93.1	0.78	1.9	7.9	2	76	5.82	580
YBX4-280M-8	45	93.9	740	93.4	0.78	1.9	7.9	2	76	6.74	630
YBX4-315S-8	55	111.5	740	93.7	0.80	1.8	8.2	2	82	7.35	884
YBX4-315M-8	75	151.2	740	94.2	0.80	1.8	7.6	2	82	8.79	1000
YBX4-315L1-8	90	178.8	740	94.4	0.81	1.8	7.7	2	82	9.18	1000
YBX4-315L2-8	110	217.9	740	94.7	0.81	1.8	7.7	2	82	10.19	1250
YBX4-355S-8	132	260.9	740	94.9	0.81	1.8	7.7	2	90	11.24	1630
YBX4-355M-8	160	311.7	742	95.1	0.82	1.8	7.7	2	90	12.48	1762
YBX4-355L1-8	(185)	360.5	742	95.1	0.82	1.8	7.7	2	90	13.56	1880
YBX4-355L2-8	200	388.5	742	95.4	0.82	1.8	7.8	2	90	13.72	2026
同步转速 Synchronous speed 600r/min											
YBX4-315S-10	45	100.8	590	91.2	0.75	1.5	6.2	2	82	3.8772	958
YBX4-315M-10	55	122.6	590	91.8	0.75	1.5	6.2	2	82	4.7846	1080
YBX4-315L1-10	75	163.9	590	92.3	0.76	1.5	5.8	2	82	6.187	1220
YBX4-315L2-10	90	192.8	590	92.8	0.77	1.5	5.9	2	82	7.2595	1405
YBX4-355S-10	(90)	192.8	593	92.8	0.77	1.5	5.9	2	90	9.354	1526
YBX4-355M1-10	110	232.1	593	93.0	0.78	1.3	6.0	2	90	12.1432	1570
YBX4-355M2-10	132	277.4	593	93.3	0.78	1.3	6.0	2	90	13.9612	1668
YBX4-355L1-10	160	336.2	593	93.3	0.78	1.3	6.0	2	90	17.2931	1964
YBX4-355L2-10	(185)	388.7	593	93.3	0.78	1.3	6.0	2	90	19.9645	2074

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MOTORS SERIES PRODUCT
产品概述

上力电机 Shangli motor







YBX3系列高效隔爆型三相异步电动机
YBX3 SERIES HIGH EFFICIENCY FLAMEPROOF OF THREE-PHASE ASYNCHRONOUS MOTORS

概述

YBX3系列高效率隔爆型三相异步电动机是我公司高效率隔爆型电动机基本系列，本系列电动机具有体积小、重量轻、外形美观、安本可靠运行、寿命长、性能优良、安装使用维修方便。

本系列电动机的功率等级、安装尺寸符合国际电工委员会（IEC）标准，其对应关系与德国DIN42673标准相同，有利于出口设备的配套和引进设备的备品备件。

本系列电动机隔爆性能符合GB3836.1–2010《爆炸性环境第1部分：设备通用要求》和GB3836.2–2010《爆炸性环境第2部：由隔爆外壳“d”保护的设备》的规定，也符合60079–1，BS4683和EN50018的规定制成隔爆型。防爆标志为Ex d Ⅰ Mb，Ex d ⅡA T4 Gb、Ex d ⅡB T4 Gb，适用于爆炸性环境的场所。

Ex d Ⅰ Mb安装在煤矿甲烷爆炸性环境中的设备，具有“高”的保护级别，该级别具有足够的安全性，使设备正常运行中或在气体突然出现和设备断电之间的时间内出现的预期入障条件下不可能成为点燃源，适合于非采掘工作面用电气设备。

Ex d ⅡA T4 Gb、Ex d ⅡB T4 Gb适用于除煤矿外爆炸性气体环境用设备,具有“高”的保护级别，在正常运行或预期故障条件下不是点燃源。

在YBX3基本系列电动机基础上，也可制成YBX3–W户外型、YBX3–TH户内湿热带型、YBX3–WTH户外湿热带型、YBX3–TA户内干热带型、YBX3–WTA户外干热带型、YBX3–T户内热带型、YBX3–WT户外热带型及YBX3–WF1户外中等防腐蚀型等气候环境条件。

该系列电动机效率指标符合GB18613–2012《中小型三相异步电动机能效限定值及能效等级》中规定的能效2级的效率值与IEC60034–30的IE3保持一致。

General Description

YBX3 series high efficiency flameproof of three-phase asynchronous motor is our upgraded explosion-proof motor basic series from YB2 series, the series motor has the advantages of small volume, light weight, beautiful appearance, reliable operation, long service life, excellent performance as well as convenient installation, operation and maintenance.

The series motor's power level, installation dimensions comply with IEC standare, with coincident corresponding relation ship with German standard DIN42673. It is conducive for the export equipment matching and introduction of spare parts for equipments.

The series motor's flameproof performance is in accordance with GB3836.1-2010 Explosive atmospheres-part 1: Equipment. General requirements & GB3836.2-2010 Explosive atmosphere-Part 2: equipment with flameproof enclosure "d "protection, it was also made into flameproof type in accordance with 60079-1, BS4683 & EN50018 provision. The flameproof mark is Ex d Ⅰ Md, Ex d ⅡA T4 Gb, Ex d ⅡB T4 Gb, which is applicable for explosive atmosphere.

For Ex d Ⅰ Md, equipment installed at coal mine methane explosive environment, has " high " protection level. This level has sufficient safe performance, it cause impossibility to be the ignition source during equipment normal running, or under expected failure conditions for the period between gas suddenly appeared and equipment power off, it is applicable for electrical equipment for non excavation working face.

Ex d ⅡA T4 Gb, Ex d ⅡB T4 Gb are applicable for equipments with explosive gas environment except coal mine, with " high " protection level, it is not a source of ignition during normal running or under expected fault conditions.

Based on YBX3 basic series motor, it can also be made into YBX3-W outdoor type, YBX3-TH indoor humid tropics type, YBX3-WTH outdoor humid tropics type, YBX3-TA indoor dry tropics type, YBX3-WTA outdoor dry tropics type, YBX3-T indoor tropics type, YBX3-WT outdoor tropics type & YBX3-WF1 outdoor medium corrosion type etc. climate conditions.

The series motor efficiency index reaches grade 3 efficiency rating specified in The minimum allowable values of energy efficiency and the energy efficiency grades for small and medium three-phase asynchronous motors, GB 19613-2012 standard, which is equivalent to the IE2 of IEC60034-30.

MOTORS
SERIES PRODUCT
产品概述

结构说明

1、电动机的隔爆结构具有Ex d Ⅰ Mb，Ex d ⅡA T4 Gb、Ex d ⅡB T4 Gb。1）Ex d Ⅰ Mb使用于甲烷或煤矿爆炸性混合物存在的煤矿井下采掘面环境；2）Ex d ⅡA T4 Gb、Ex d ⅡB T4 Gb适用于Ⅱ类A级和Ⅱ类B级，温度组别为T1、T2、T3和T4组爆炸性混合物存在的环境。

2、电动机主体外壳防护等级为IP55、IP56、IP66。

3、电动机的冷却方式为IC411。

4、电动机的热分级为155，定子绕组温升裕度大、寿命长。

5、电动机有一个圆柱形轴伸，借联轴器或齿轮转动。

6、电动机定子绕组采用高强度聚酯漆包圆铜线，并经VP1真空加压浸漆处理成为一个完整的整体，绕组及绝缘具有良好的电气、机械、防潮性能及热稳定性。

7、电机转子采用铸铝结构，转子经动平衡校验，电动机运转平稳、振动小、噪声低。

8、电动机定、转子冲片采用高导磁、低损耗优质电工硅钢片、电动机损耗低、效率高。

9、电动机轴承选用电动机专用低振动、低噪声轴承，机座号132及以下采用双面密封轴承，有轴伸端装有波形弹簧垫圈。以适度压力压靠轴承，有效抑制电动机运转时产生的振动和噪声，机座号160及以上采用内、外盖结构，并在轴承部位采用挡圈轴向固定，有效地防止电动机转子的轴向窜动。为使电动机安全可靠运行，机座号160及以上电动机轴承结构设置有注排油装置，机座号250及以上电动机，预留轴承温度监测传感元件位置。

10、电动机风扇、风罩：该系列电动机采用防静电塑料风扇，其转动惯量小、损耗低、全系列风扇与轴采用键联接，运行可靠。风罩为钢板结构，在防止一定大小的外物侵入的前提下得到最大的通风面积，使风路通畅。

Construction features

1. The flameproof construction for Ex d Ⅰ Md, Ex d ⅡA T4 Gb, Ex d ⅡB T4 Gb are available.1)Ex d Ⅰ Md is applicable for non-excavation area environment under coal mine well with methane or coal dust explosive mixture. 2)Ex d ⅡA T4 Gb, Ex d ⅡB T4 Gb is suitable for category Ⅱ, Class A & Category Ⅱ, Class B temperature category T1,T2, T3, T4 AT environment with explosive mixture existence.

2. The degree of protection is IP55, IP56, IP66 for motor main enclosures.

3. The cooling form is IC411.

4. The stator widings are of Class F insulation and ensiures a large margin of safety in temperature rise and long service life.

5. A cylindrical shaft extension is equipped on motors, which is driven by coupling spur gearing.

6. The stator windings are wound with pilyester enamel round wire of high strength and then treated with the progerss of vacuum-pressure impregnation (VPI), to make them become a solid integral. Therefore, the winding insulation is excellent in electrical and mechanical properties, moisture resistance and thermal stability.

7. The rotors are of cast-aluminum, and dynamically balanced t make the motor operate smoothly with small vibration and low noise.

8. The stator and rotor cores are laminated with high-class electrical steel sheet with high permeability and low loss, thus makes the motors possess low toss and high efficiency.

9. The motors are fitted with low vibration and low noise bearings special for motors. For the motors of frame size 132 and below, bilaterally shielded ball bearings are used and corrugated spring washers at the driving ends pressed on bearings with proper pressure to restrain effectively the vibration and noise rpoduced during motor's operation. For the motors of frame size 160 and above, the bearings with inner and outer covers are used and retaining rings at bearing position are equipped on shafts to prevent the rotor efficiently from moving axially. In order to operate safely and reliably, the bearings of the motors frame size 160 and above are provided with greasing attachments, which are of the use to drain or replenish the lubricating grease without stopping the motors. For the frame size 250 and above, the positions for mounting bearing temperature monitoring censers are preliminary left.

10.Motor fan, air hood: the series motor adopts anti static plastic fan, with small rotational inertia and low loss. The series fan is connected with shaft by key with reliable operation. Air hood is of steel plate structure. It achieves largest ventilation area under the premise of preventing certain size of foreign matter from invasion, which obtains smooth air path.

电动机使用条件

电动机使用电气条件

1、额定电压　　3、定额: 连续工作制

2、额定频率

电动机使用环境条件

海拔不超过1000m，环境空气温度随季节变化，为-20℃~+40℃的户内环境

YBX3为基本型，适用于户内环境

YBX3-W适用于户外环境

YBX3-TH适用于室内湿热带环境

YBX3-WTH适用于户外湿热带环境

YBX3-TA适用于户内干热带环境

YBX3-WTA适用于户外干热带环境

YBX3-T适用于户内热带型环境

YBX3-WT适用于户外热带型环境

YBX3-WF1适用于户外中等腐蚀的环境

Service conditions

Electrical conditions

1、Rated voltage:380、660、1140、380/660、660/1140V

2、Rated frequency: 50Hz

3、Duty type：S1 Continuous running duty-type S1

Circumstance conditions

The altitude is up to 1000m above seal level. The ambient temperature, which is subject to seasonal variation, belong to indoor circumstance of -20℃~+40℃.

YBX3 is the basic type, suitable for indoor circumstance

YBX3-W for outdoor circumstance

YBX3-TH for indoor tropical humidity circumstance

YBX3-WTH for outdoor tropical humidity circumstance

YBX3-TA for indoor tropical arid circumstance

YBX3-WTA for outdoor tropical arid circumstance

YBX3-T for indoor tropical arid circumstance

YBX3-WT for outdoor tropical circumstance

YBX3-WF1 for outdoor middle-class-chemical corrosion circumstance

MOTORS
SERIES PRODUCT
产品概述

上力电机
Shangli motor







YBX3系列(ExdIICT4 Gb)隔爆型高效三相异步电动机

YBX3 SERIES (ExdIICT4 Gb) FLAMEPROOF HIGH EFFICIENCY THREE-PHASE ASYNCHRONOUS MOTOR

概述

本系列电动机是在YB3系列隔爆型三相异步电动机基础上派生出来的系列产品，是目前隔爆级别最高的防爆电机。具有隔爆结构先进，可靠性高的特点。其能效等级符合GB 18613–2012《中小型三相异步电动机能效限定值及能效等级》中的2级能效值。

本系列电动机防爆性能符合GB 3836.2–2010《爆炸性环境第2部分：由隔爆外壳“d”保护的设备》的规定，制成ExdIICT4 Gb。适用于工厂内存在氢气或乙炔等爆炸性气体混合物的危险场所。

本系列电动机外观除接线盒与YB3系列存在差异外，其功率等级、安装方式、安装尺寸均同YB3系列。电动机防护等级为IP55，冷却方式为IC411。

General Description

This series motor is in the YB3 series flameproof three-phase asynchronous motor based on the derived series products, are of the highest rank of explosion-proof explosion-proof motor. With flame-proof structure is advanced, the characteristics of high reliability. Their level of energy efficiency in line with the GB 18613-18613 "small and medium sized three-phase asynchronous motor limited value of energy efficiency and energy efficiency grade level 2 of the value of energy efficiency.

This series motors explosion-proof performance in line with the GB 3836.2-2010 "explosive environment Part 2: by flame-proof enclosures "d" protection equipment "regulation, made ExdIICT4 Gb. Apply to factory there are hydrogen and acetylene in the dangerous sites with explosive air mixture.

This series motor appearance in addition to the junction box and YB3 series of differences, their level of power, installation and installation dimensions are the same YB3 series. Motor protection grade is IP55, cooling way for IC411.

电动机防爆标志代表的意义

Explanation of ex marking and designation

Ex d ⅡC T4 Gb

- Gb：设备保护级别 Equipment protecton level
- T4：温度组别(T4) Temperature group (T4)
- ⅡC：电气设备类别级别(Ⅱ类C级) Electrical apparatus class (Class ⅡC)
- d：电气设备防爆型式(隔爆型) Type of explosion protection (Flameproof of type)
- Ex：标志(防爆) Mark (explosion protection)

电动机型号代表的意义

Explanation of type designation

YB X 3 - 355 M 1 - 4 W

- W：特殊环境代号 Code of specical environment
- 4：电动机极数 Number of poles
- 1：铁心长度代号 Code of core length
- M：机座长度代号 Code of frame length (S–short, M–middle and L–long)
- 355：机座中心高 Shaft center height (mm0
- 3：第三次改进设计 Modified for the third time
- X：高效率 High efficiency
- YB：隔爆型 Flameproof

TECHNICAL DATA
技术数据

型号 Type	额定 Rated 功率 Output (kW)	电流 Current (380V) (A)	转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	堵转转矩 额定转矩 Locket torque Rated torque	堵转电流 额定电流 Locket current Rated current	最大转矩 额定转矩 Pull out torque Rated torque	噪声 Noise (Lw)	振动等级 Vibration class	转动惯量 Inertia movement	重量 Weight (kg)
同步转速 Synchronous speed 3000r/min												
YBX3-80M1-2	0.75	1.7	2885	80.7	0.83	2.3	6.8	2.3	67	1.3	0.0010	29
YBX3-80M2-2	1.1	2.4	2885	82.7	0.83	2.3	7.3	2.3	67	1.3	0.0013	31
YBX3-90S-2	1.5	3.2	2885	84.2	0.84	2.3	7.6	2.3	72	1.3	0.0020	36
YBX3-90L-2	2.2	4.6	2890	85.9	0.85	2.3	7.8	2.3	72	1.3	0.0026	40
YBX3-100L-2	3	6.0	2895	87.1	0.87	2.3	8.1	2.3	76	1.3	0.0044	50
YBX3-112M-2	4	7.8	2895	88.1	0.88	2.3	8.3	2.3	77	1.3	0.0060	67
YBX3-132S1-2	5.5	10.6	2920	89.2	0.88	2.2	8.0	2.3	80	1.3	0.0140	85
YBX3-132S2-2	7.5	14.2	2915	90.1	0.89	2.2	7.8	2.3	80	1.3	0.0162	89
YBX3-160M1-2	11	20.6	2945	91.2	0.89	2.2	7.9	2.3	86	1.8	0.0525	152
YBX3-160M2-2	15	27.9	2945	91.9	0.89	2.2	8.0	2.3	86	1.8	0.0608	164
YBX3-160L-2	18.5	34.2	2940	92.4	0.89	2.2	8.1	2.3	86	1.8	0.0696	177
YBX3-180M-2	22	40.5	2960	92.7	0.89	2.2	8.2	2.3	88	1.8	0.0864	240
YBX3-200L1-2	30	54.9	2965	93.3	0.89	2.2	7.5	2.3	90	1.8	0.163	289
YBX3-200L2-2	37	67.4	2965	93.7	0.89	2.2	7.5	2.3	90	1.8	0.172	307
YBX3-225M-2	45	81.7	2965	94.0	0.89	2.2	7.6	2.3	92	1.8	0.3562	378
YBX3-250M-2	55	99.6	2965	94.3	0.89	2.2	7.6	2.3	93	1.8	0.459	529
YBX3-280S-2	75	135.2	2980	94.7	0.89	2.0	6.9	2.3	94	1.8	1.0074	645
YBX3-280M-2	90	161.7	2970	95.0	0.89	2.0	7.0	2.3	94	1.8	1.0592	701
YBX3-315S-2	110	187.3	2980	95.2	0.89	1.9	7.1	2.3	96	2.3	1.3861	1075
YBX3-315M-2	132	236.2	2980	95.4	0.89	1.9	7.1	2.3	96	2.3	1.7088	1182
YBX3-315L1-2	160	285.7	2980	95.6	0.89	1.9	7.1	2.2	98	2.3	1.740	1303
YBX3-315L2-2	200	356.4	2980	95.8	0.89	1.9	7.1	2.2	98	2.3	2.141	1525
YBX3-355S1-2	(185)	330.0	2980	95.7	0.89	1.9	7.1	2.2	98	2.3	2.88	1680
YBX3-355S2-2	(200)	356.4	2980	95.8	0.89	1.9	7.1	2.2	98	2.3	3.05	1740
YBX3-355M1-2	(220)	392.0	2980	95.8	0.89	1.8	7.1	2.2	100	2.3	3.67	1790
YBX3-355M2-2	250	445.5	2980	95.8	0.89	1.8	7.1	2.2	100	2.3	4.02	1840
YBX3-355L1-2	(280)	499.0	2980	95.8	0.89	1.8	7.1	2.2	100	2.3	4.16	2040
YBX3-355L2-2	315	561.3	2980	95.8	0.89	1.8	7.1	2.2	100	2.3	4.86	2060
同步转速 Synchronous speed 1500r/min												
YBX3-80M1-4	0.55	1.4	1435	79.0	0.74	2.3	6.3	2.3	58	1.3	0.0016	29
YBX3-80M2-4	0.75	1.9	1435	82.5	0.74	2.3	6.5	2.3	58	1.3	0.0020	30
YBX3-90S-4	1.1	2.7	1435	84.1	0.74	2.3	6.6	2.3	61	1.3	0.0030	37
YBX3-90L-4	1.5	3.6	1440	85.3	0.74	2.3	6.9	2.3	61	1.3	0.0038	40
YBX3-100L1-4	2.2	4.8	1455	86.7	0.80	2.3	7.5	2.3	64	1.3	0.0077	51
YBX3-100L2-4	3	6.4	1455	87.7	0.81	2.3	7.6	2.3	64	1.3	0.0093	56
YBX3-112M-4	4	8.5	1455	88.6	0.81	2.3	7.7	2.3	65	1.3	0.128	72
YBX3-132S-4	5.5	11.4	1460	89.6	0.82	2.0	7.5	2.3	71	1.3	0.0295	90
YBX3-132M-4	7.5	15.2	1460	90.4	0.83	2.0	7.4	2.3	71	1.3	0.0366	102
YBX3-160M-4	11	21.5	1470	91.4	0.85	2.0	7.5	2.3	75	1.8	0.0795	148
YBX3-160L-4	15	29.1	1470	92.1	0.85	2.0	7.5	2.3	75	1.8	0.1034	168
YBX3-180M-4	18.5	35.3	1475	92.6	0.86	2.0	7.7	2.3	76	1.8	0.1596	221
YBX3-180L-4	22	41.8	1475	93.0	0.86	2.0	7.8	2.3	76	1.8	0.2025	296
YBX3-200L-4	30	56.6	1480	93.6	0.86	2.0	7.2	2.3	79	1.8	0.3283	379
YBX3-225S-4	37	69.6	1485	93.9	0.86	2.0	7.3	2.3	81	1.8	0.484	409
YBX3-225M-4	45	84.4	1485	94.2	0.86	2.0	7.4	2.3	81	1.8	0.5653	507
YBX3-250M-4	55	102.7	1480	94.6	0.86	2.0	7.4	2.3	83	1.8	0.8761	699
YBX3-280S-4	75	136.3	1490	95.0	0.88	2.0	6.7	2.3	86	1.8	1.9542	724
YBX3-280M-4	90	163.2	1490	95.2	0.88	2.0	7.1	2.3	86	1.8	2.3513	756
YBX3-315S-4	110	199.1	1490	95.4	0.88	2.0	7.1	2.2	93	2.3	2.3783	1098
YBX3-315M-4	132	238.4	1490	95.6	0.88	2.0	7.1	2.2	93	2.3	2.6558	1150
YBX3-315L1-4	160	285.1	1490	95.8	0.89	2.0	7.1	2.2	93	2.3	2.9974	1274
YBX3-315L2-4	200	356.0	1490	95.9	0.89	2.0	7.1	2.2	94	2.3	4.1225	1566
YBX3-355S1-4	(185)	329.0	1488	96.0	0.89	2.0	7.1	2.2	94	2.3	6.02	1867
YBX3-355S2-4	(200)	355.7	1488	96.0	0.89	2.0	7.1	2.2	94	2.3	6.30	1917
YBX3-355M1-4	(220)	391.2	1488	96.0	0.89	2.0	7.1	2.2	95	2.3	6.42	1941
YBX3-355M2-4	250	439.6	1488	96.0	0.90	2.0	7.1	2.2	95	2.3	7.92	2006
YBX3-355L1-4	(280)	492.4	1488	96.0	0.90	2.0	7.1	2.2	95	2.3	6.77	2173
YBX3-355L2-4	315	553.9	1488	96.0	0.90	2.0	7.1	2.2	95	2.3	7.8149	2203

注：重量为理论预算值。（参考） The weight is theoretic calculation (for reference)

型号 Type	额定 Rated 功率 Output (kW)	电流 Current (380V) (A)	转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	堵转转矩 额定转矩 Locket torque Rated torque	堵转电流 额定电流 Locket current Rated current	最大转矩 额定转矩 Pull out torque Rated torque	噪声 Noise (Lw)	振动等级 Vibration class	转动惯量 Inertia movement	重量 Weight (kg)
同步转速 Synchronous speed 1000r/min												
YBX3-80M1-6	0.37	1.3	890	62.6	0.69	1.9	4.7	2.0	54	1.3	0.0023	27.6
YBX3-80M2-6	0.55	1.6	890	73.6	0.71	1.9	4.7	2.1	54	1.3	0.0030	30
YBX3-90S-6	0.75	2.0	950	78.9	0.71	2.1	5.8	2.1	57	1.3	0.0038	35
YBX3-90L-6	1.1	2.9	950	81.0	0.72	2.1	5.9	2.1	57	1.3	0.0053	40
YBX3-100L-6	1.5	3.8	955	82.5	0.73	2.1	6.0	2.1	61	1.3	0.0107	48
YBX3-112M-6	2.2	5.4	955	84.3	0.73	2.1	6.0	2.1	65	1.3	0.0151	62
YBX3-132S-6	3	7.2	975	85.6	0.74	2.0	6.2	2.1	69	1.3	0.0318	87
YBX3-132M1-6	4	9.5	975	86.8	0.74	2.0	6.8	2.1	69	1.3	0.0394	95
YBX3-132M2-6	5.5	12.7	975	88.0	0.75	2.0	7.1	2.1	69	1.3	0.0404	103
YBX3-160M-6	7.5	16.4	980	89.1	0.78	2.1	6.9	2.1	73	1.8	0.0964	147
YBX3-160L-6	11	23.7	980	90.3	0.78	2.1	6.9	2.1	73	1.8	0.127	175
YBX3-180L-6	15	30.9	980	91.2	0.81	2.0	7.2	2.1	73	1.8	0.201	230
YBX3-200L1-6	18.5	37.8	980	91.7	0.81	2.1	7.2	2.1	76	1.8	0.325	281
YBX3-200L2-6	22	44.2	980	92.2	0.82	2.1	7.3	2.1	76	1.8	0.371	284
YBX3-225M-6	30	60.6	980	92.9	0.81	2.0	7.1	2.1	76	1.8	0.5470	360
YBX3-250M-6	37	71.7	990	93.3	0.84	2.1	7.1	2.1	78	1.8	0.9605	482
YBX3-280S-6	45	84.8	990	93.7	0.86	2.1	7.2	2.0	80	1.8	1.85	589
YBX3-280M-6	55	103.3	990	94.1	0.86	2.1	7.2	2.0	80	1.8	2.12	655
YBX3-315S-6	75	141.7	995	94.6	0.85	2.0	6.7	2.0	85	2.3	2.61	1074
YBX3-315M-6	90	171.5	995	94.9	0.84	2.0	6.7	2.0	85	2.3	3.04	1170
YBX3-315L1-6	110	206.8	995	95.1	0.85	2.0	6.7	2.0	85	2.3	3.71	1295
YBX3-315L2-6	132	244.4	995	95.4	0.86	2.0	6.7	2.0	85	2.3	4.24	1450
YBX3-355S-6	160	292.3	995	95.6	0.87	1.9	6.7	2.0	92	2.3	8.3585	1861
YBX3-355M1-6	185	336.9	995	95.9	0.87	1.9	6.7	2.0	92	2.3	7.7	1880
YBX3-355M2-6	200	364.6	995	95.8	0.87	1.9	6.7	2.0	92	2.3	9.464	1889
YBX3-355L1-6	220	404.4	995	95.0	0.87	1.9	6.7	2.0	92	2.3	9.8	2142
YBX3-355L2-6	250	459.6	995	95.8	0.87	1.9	6.7	2.0	92	2.3	11.215	2171
同步转速 Synchronous speed 750r/min												
YBX3-100L2-8	1.1	3.4	690	70.8	0.69	1.8	5.0	2.0	59	1.3	0.0102	49
YBX3-112M-8	1.5	4.5	690	72.9	0.70	1.8	5.0	2.0	61	1.3	0.0147	65
YBX3-132S-8	2.2	6.0	710	78.0	0.71	1.8	6.0	2.0	64	1.3	0.0307	83
YBX3-132M-8	3	7.9	710	79	0.73	1.8	6.0	2.0	64	1.3	0.0426	94
YBX3-160M1-8	4	10.4	720	80	0.73	1.9	6.0	2.0	68	1.8	0.0635	132
YBX3-160M2-8	5.5	13.8	720	82.1	0.74	1.9	6.0	2.0	68	1.8	0.0897	144
YBX3-160L-8	7.5	18.1	720	84.1	0.75	1.9	6.0	2.0	68	1.8	0.1270	166
YBX3-180L-8	11	25.8	720	86.5	0.75	2.0	6.5	2.0	70	1.8	0.2138	223
YBX3-200L-8	15	34.5	730	87	0.76	2.0	6.6	2.0	73	1.8	0.3588	279
YBX3-225S-8	18.5	41.5	740	89.2	0.76	1.9	6.6	2.0	73	1.8	0.5488	332
YBX3-225M-8	22	47.4	740	90.5	0.78	1.9	6.6	2.0	73	1.8	0.6454	363
YBX3-250M-8	30	63.4	740	91	0.79	1.9	6.5	2.0	75	1.8	0.9876	478
YBX3-280S-8	37	77.8	740	91.5	0.79	1.9	6.6	2.0	76	1.8	1.7092	585
YBX3-280M-8	45	93.7	740	92.4	0.79	1.9	6.6	2.0	76	1.8	1.9875	648
YBX3-315S-8	55	111.2	740	92.8	0.81	1.8	6.6	2.0	82	2.3	3.9597	972
YBX3-315M-8	75	1505	740	93.5	0.81	1.8	6.4	2.0	82	2.3	5.2790	1080
YBX3-315L1-8	90	178.7	740	93.3	0.82	1.8	6.4	2.0	82	2.3	6.2695	1450
YBX3-315L2-8	110	217.8	740	93.6	0.82	1.8	6.4	2.0	82	2.3	7.4245	1310
YBX3-355S-8	132	260.5	740	93.9	0.82	1.8	6.4	2.0	90	2.3	11.4275	1405
YBX3-355M-8	160	315.0	740	94.1	0.82	1.8	6.4	2.0	90	2.3	13.9360	1880
YBX3-355L1-8	185	364.3	740	94.1	0.82	1.8	6.4	2.0	90	2.3	16.1657	1978
YBX3-355L2-8	200	388.2	740	94.3	0.83	1.8	6.4	2.0	90	2.3	18.1168	2130
YBX3-315S-10	45	99.6	592	91.2	0.75	1.3	6.2	2.0	82	2.3	3.8772	972
YBX3-315M-10	55	121.1	592	91.8	0.75	1.3	6.2	2.0	82	2.3	4.7846	1080
YBX3-315L1-10	75	162.1	592	92.3	0.76	1.3	6.2	2.0	82	2.3	6.1870	1226
YBX3-315L2-10	90	191.0	592	92.9	0.77	1.3	6.2	2.0	82	2.3	7.2595	1310
YBX3-355S-10	90	191.0	585	92.9	0.77	1.3	6.0	2.0	82	2.3	9.3540	1405
YBX3-355M1-10	110	230.2	585	93.1	1.78	1.3	6.0	2.0	90	2.3	12.1432	1880
YBX3-355M2-10	132	275.0	585	93.5	0.78	1.3	6.0	2.0	90	2.3	13.9612	1960
YBX3-355L1-10	160	333.3	585	93.5	0.78	1.3	6.0	2.0	90	2.3	17.2931	2086
YBX3-355L2-10	185	385.4	585	93.5	0.78	1.3	6.0	2.0	90	2.3	19.9645	2130

注：重量为理论预算值。（参考） The weight is theoretic calculation (for reference)

TECHNICAL DATA
技术数据

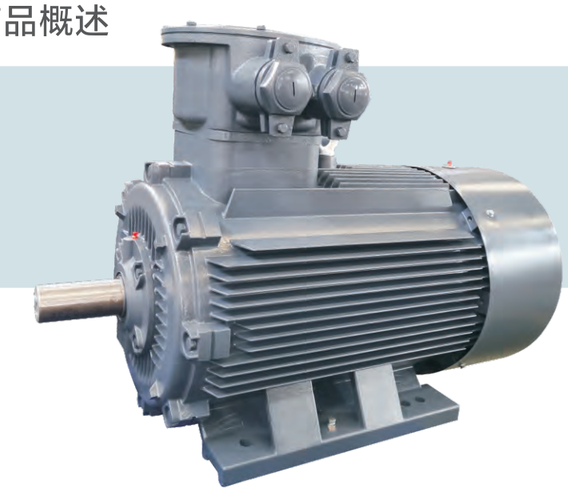
型号 Type	额定 Rated 功率 Output (kW)	电流 Current (380V) (A)	转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	堵转转矩 额定转矩 Locket torque / Rated torque	堵转电流 额定电流 Locket current / Rated current	最大转矩 额定转矩 Pull out torque / Rated torque	噪声 Noise (Lw)	振动等级 Vibration class	转动惯量 Inertia movement	重量 Weight (kg)
同步转速 Synchronous speed 3000r/min												
YBK3-80M1-2	0.75	1.7	2885	80.7	0.83	2.3	6.8	2.3	67	1.3	0.0010	29
YBK3-80M2-2	1.1	2.4	2885	82.7	0.83	2.3	7.3	2.3	67	1.3	0.0013	31
YBK3-90S-2	1.5	3.2	2885	84.2	0.84	2.3	7.6	2.3	72	1.3	0.0020	36
YBK3-90L-2	2.2	4.6	2890	85.9	0.85	2.3	7.8	2.3	72	1.3	0.0026	40
YBK3-100L-2	3	6.0	2895	87.1	0.87	2.3	8.1	2.3	76	1.3	0.0044	50
YBK3-112M-2	4	7.8	2895	88.1	0.88	2.3	8.3	2.3	77	1.3	0.0060	67
YBK3-132S1-2	5.5	10.6	2920	89.2	0.88	2.2	8.0	2.3	80	1.3	0.0140	85
YBK3-132S2-2	7.5	14.2	2915	90.1	0.89	2.2	7.8	2.3	80	1.3	0.0162	89
YBK3-160M1-2	11	20.6	2945	91.2	0.89	2.2	7.9	2.3	86	1.8	0.0525	152
YBK3-160M2-2	15	27.9	2945	91.9	0.89	2.2	8.0	2.3	86	1.8	0.0608	164
YBK3-160L-2	18.5	34.2	2940	92.4	0.89	2.2	8.1	2.3	86	1.8	0.0696	177
YBK3-180M-2	22	40.5	2960	92.7	0.89	2.2	8.2	2.3	88	1.8	0.0864	240
YBK3-200L1-2	30	54.9	2965	93.3	0.89	2.2	7.5	2.3	90	1.8	0.163	289
YBK3-200L2-2	37	67.4	2965	93.7	0.89	2.2	7.5	2.3	90	1.8	0.172	307
YBK3-225M-2	45	81.7	2965	94.0	0.89	2.2	7.6	2.3	92	1.8	0.3562	378
YBK3-250M-2	55	99.6	2965	94.3	0.89	2.2	7.6	2.3	93	1.8	0.459	529
YBK3-280S-2	75	135.2	2980	94.7	0.89	2.0	6.9	2.3	94	1.8	1.0074	645
YBK3-280M-2	90	161.7	2970	95.0	0.89	2.0	7.0	2.3	94	1.8	1.0592	701
YBK3-315S-2	110	187.3	2980	95.2	0.89	1.9	7.1	2.3	96	2.3	1.3861	1075
YBK3-315M-2	132	236.2	2980	95.4	0.89	1.9	7.1	2.3	96	2.3	1.7088	1182
YBK3-315L1-2	160	285.7	2980	95.6	0.89	1.9	7.1	2.2	98	2.3	1.740	1303
YBK3-315L2-2	200	356.4	2980	95.8	0.89	1.9	7.1	2.2	98	2.3	2.141	1525
YBK3-355S1-2	(185)	330.0	2980	95.7	0.89	1.9	7.1	2.2	98	2.3	2.88	1680
YBK3-355S2-2	(200)	356.4	2980	95.8	0.89	1.9	7.1	2.2	98	2.3	3.05	1740
YBK3-355M1-2	(220)	392.0	2980	95.8	0.89	1.8	7.1	2.2	100	2.3	3.67	1790
YBK3-355M2-2	250	445.5	2980	95.8	0.89	1.8	7.1	2.2	100	2.3	4.02	1840
YBK3-355L1-2	(280)	499.0	2980	95.8	0.89	1.8	7.1	2.2	100	2.3	4.16	2040
YBK3-355L2-2	315	561.3	2980	95.8	0.89	1.8	7.1	2.2	100	2.3	4.86	2060
同步转速 Synchronous speed 1500r/min												
YBK3-80M1-4	0.55	1.4	1435	79.0	0.74	2.3	6.3	2.3	58	1.3	0.0016	29
YBK3-80M2-4	0.75	1.9	1435	82.5	0.74	2.3	6.5	2.3	58	1.3	0.0020	30
YBK3-90S-4	1.1	2.7	1435	84.1	0.74	2.3	6.6	2.3	61	1.3	0.0030	37
YBK3-90L-4	1.5	3.6	1440	85.3	0.74	2.3	6.9	2.3	61	1.3	0.0038	40
YBK3-100L1-4	2.2	4.8	1455	86.7	0.80	2.3	7.5	2.3	64	1.3	0.0077	51
YBK3-100L2-4	3	6.4	1455	87.7	0.81	2.3	7.6	2.3	64	1.3	0.0093	56
YBK3-112M-4	4	8.5	1455	88.6	0.81	2.3	7.7	2.3	65	1.3	0.128	72
YBK3-132S-4	5.5	11.4	1460	89.6	0.82	2.0	7.5	2.3	71	1.3	0.0295	90
YBK3-132M-4	7.5	15.2	1460	90.4	0.83	2.0	7.4	2.3	71	1.3	0.0366	102
YBK3-160M-4	11	21.5	1470	91.4	0.85	2.0	7.5	2.3	75	1.8	0.0795	148
YBK3-160L-4	15	29.1	1470	92.1	0.85	2.0	7.5	2.3	75	1.8	0.1034	168
YBK3-180M-4	18.5	35.3	1475	92.6	0.86	2.0	7.7	2.3	76	1.8	0.1596	221
YBK3-180L-4	22	41.8	1475	93.0	0.86	2.0	7.8	2.3	76	1.8	0.2025	296
YBK3-200L-4	30	56.6	1480	93.6	0.86	2.0	7.2	2.3	79	1.8	0.3283	379
YBK3-225S-4	37	69.6	1485	93.9	0.86	2.0	7.3	2.3	81	1.8	0.484	409
YBK3-225M-4	45	84.4	1485	94.2	0.86	2.0	7.4	2.3	81	1.8	0.5653	507
YBK3-250M-4	55	102.7	1480	94.6	0.86	2.0	7.4	2.3	83	1.8	0.8761	699
YBK3-280S-4	75	136.3	1490	95.0	0.88	2.0	6.7	2.3	86	1.8	1.9542	724
YBK3-280M-4	90	163.2	1490	95.2	0.88	2.0	7.1	2.3	86	1.8	2.3513	756
YBK3-315S-4	110	199.1	1490	95.4	0.88	2.0	7.1	2.2	93	2.3	2.3783	1098
YBK3-315M-4	132	238.4	1490	95.6	0.88	2.0	7.1	2.2	93	2.3	2.6558	1150
YBK3-315L1-4	160	285.1	1490	95.8	0.89	2.0	7.1	2.2	93	2.3	2.9974	1274
YBK3-315L2-4	200	356.0	1490	95.9	0.89	2.0	7.1	2.2	94	2.3	4.1225	1566
YBK3-355S1-4	(185)	329.0	1488	96.0	0.89	2.0	7.1	2.2	94	2.3	6.02	1867
YBK3-355S2-4	(200)	355.7	1488	96.0	0.89	2.0	7.1	2.2	94	2.3	6.30	1917
YBK3-355M1-4	(220)	391.2	1488	96.0	0.89	2.0	7.1	2.2	95	2.3	6.42	1941
YBK3-355M2-4	250	439.6	1488	96.0	0.90	2.0	7.1	2.2	95	2.3	7.92	2006
YBK3-355L1-4	(280)	492.4	1488	96.0	0.90	2.0	7.1	2.2	95	2.3	6.77	2173
YBK3-355L2-4	315	553.9	1488	96.0	0.90	2.0	7.1	2.2	95	2.3	7.8149	2203

注：重量为理论预算值。（参考） The weight is theoretic calculation (for reference)

型号 Type	额定 Rated 功率 Output (kW)	电流 Current (380V) (A)	转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	堵转转矩 额定转矩 Locket torque / Rated torque	堵转电流 额定电流 Locket current / Rated current	最大转矩 额定转矩 Pull out torque / Rated torque	噪声 Noise (Lw)	振动等级 Vibration class	转动惯量 Inertia movement	重量 Weight (kg)
同步转速 Synchronous speed 1000r/min												
YBK3-80M1-6	0.37	1.3	890	62.6	0.69	1.9	4.7	2.0	54	1.3	0.0023	27.6
YBK3-80M2-6	0.55	1.6	890	73.6	0.71	1.9	4.7	2.1	54	1.3	0.0030	30
YBK3-90S-6	0.75	2.0	950	78.9	0.71	2.1	5.8	2.1	57	1.3	0.0038	35
YBK3-90L-6	1.1	2.9	950	81.0	0.72	2.1	5.9	2.1	57	1.3	0.0053	40
YBK3-100L-6	1.5	3.8	955	82.5	0.73	2.1	6.0	2.1	61	1.3	0.0107	48
YBK3-112M-6	2.2	5.4	955	84.3	0.73	2.1	6.0	2.1	65	1.3	0.0151	62
YBK3-132S-6	3	7.2	975	85.6	0.74	2.0	6.2	2.1	69	1.3	0.0318	87
YBK3-132M1-6	4	9.5	975	86.8	0.74	2.0	6.8	2.1	69	1.3	0.0394	95
YBK3-132M2-6	5.5	12.7	975	88.0	0.75	2.0	7.1	2.1	69	1.3	0.0404	103
YBK3-160M-6	7.5	16.4	980	89.1	0.78	2.1	6.9	2.1	73	1.8	0.0964	147
YBK3-160L-6	11	23.7	980	90.3	0.78	2.1	6.9	2.1	73	1.8	0.127	175
YBK3-180L-6	15	30.9	980	91.2	0.81	2.0	7.2	2.1	73	1.8	0.201	230
YBK3-200L1-6	18.5	37.8	980	91.7	0.81	2.1	7.2	2.1	76	1.8	0.325	281
YBK3-200L2-6	22	44.2	980	92.2	0.82	2.1	7.3	2.1	76	1.8	0.371	284
YBK3-225M-6	30	60.6	980	92.9	0.81	2.0	7.1	2.1	76	1.8	0.5470	360
YBK3-250M-6	37	71.7	990	93.3	0.84	2.1	7.1	2.1	78	1.8	0.9605	482
YBK3-280S-6	45	84.8	990	93.7	0.86	2.1	7.2	2.0	80	1.8	1.85	589
YBK3-280M-6	55	103.3	990	94.1	0.86	2.1	7.2	2.0	80	1.8	2.12	655
YBK3-315S-6	75	141.7	995	94.6	0.85	2.0	6.7	2.0	85	2.3	2.61	1074
YBK3-315M-6	90	171.5	995	94.9	0.84	2.0	6.7	2.0	85	2.3	3.04	1170
YBK3-315L1-6	110	206.8	995	95.1	0.85	2.0	6.7	2.0	85	2.3	3.71	1295
YBK3-315L2-6	132	244.4	995	95.4	0.86	2.0	6.7	2.0	85	2.3	4.24	1450
YBK3-355S-6	160	292.3	995	95.6	0.87	1.9	6.7	2.0	92	2.3	8.3585	1861
YBK3-355M1-6	185	336.9	995	95.9	0.87	1.9	6.7	2.0	92	2.3	7.7	1880
YBK3-355M2-6	200	364.6	995	95.8	0.87	1.9	6.7	2.0	92	2.3	9.464	1889
YBK3-355L1-6	220	404.4	995	95.0	0.87	1.9	6.7	2.0	92	2.3	9.8	2142
YBK3-355L2-6	250	459.6	995	95.8	0.87	1.9	6.7	2.0	92	2.3	11.215	2171
同步转速 Synchronous speed 750r/min												
YBK3-100L2-8	1.1	3.4	690	70.8	0.69	1.8	5.0	2.0	59	1.3	0.0102	49
YBK3-112M-8	1.5	4.5	690	72.9	0.70	1.8	5.0	2.0	61	1.3	0.0147	65
YBK3-132S-8	2.2	6.0	710	78.0	0.71	1.8	6.0	2.0	64	1.3	0.0307	83
YBK3-132M-8	3	7.9	710	79	0.73	1.8	6.0	2.0	64	1.3	0.0426	94
YBK3-160M1-8	4	10.4	720	80	0.73	1.9	6.0	2.0	68	1.8	0.0635	132
YBK3-160M2-8	5.5	13.8	720	82.1	0.74	1.9	6.0	2.0	68	1.8	0.0897	144
YBK3-160L-8	7.5	18.1	720	84.1	0.75	1.9	6.0	2.0	68	1.8	0.1270	166
YBK3-180L-8	11	25.8	720	86.5	0.75	2.0	6.5	2.0	70	1.8	0.2138	223
YBK3-200L-8	15	34.5	730	87	0.76	2.0	6.6	2.0	73	1.8	0.3588	279
YBK3-225S-8	18.5	41.5	740	89.2	0.76	1.9	6.6	2.0	73	1.8	0.5488	332
YBK3-225M-8	22	47.4	740	90.5	0.78	1.9	6.6	2.0	73	1.8	0.6454	363
YBK3-250M-8	30	63.4	740	91	0.79	1.9	6.5	2.0	75	1.8	0.9876	478
YBK3-280S-8	37	77.8	740	91.5	0.79	1.9	6.6	2.0	76	1.8	1.7092	585
YBK3-280M-8	45	93.7	740	92.4	0.79	1.9	6.6	2.0	76	1.8	1.9875	648
YBK3-315S-8	55	111.2	740	92.8	0.81	1.8	6.6	2.0	82	2.3	3.9597	972
YBK3-315M-8	75	1505	740	93.5	0.81	1.8	6.4	2.0	82	2.3	5.2790	1080
YBK3-315L1-8	90	178.7	740	93.3	0.82	1.8	6.4	2.0	82	2.3	6.2695	1450
YBK3-315L2-8	110	217.8	740	93.6	0.82	1.8	6.4	2.0	82	2.3	7.4245	1310
YBK3-355S-8	132	260.5	740	93.9	0.82	1.8	6.4	2.0	90	2.3	11.4275	1405
YBK3-355M-8	160	315.0	740	94.1	0.82	1.8	6.4	2.0	90	2.3	13.9360	1880
YBK3-355L1-8	185	364.3	740	94.1	0.82	1.8	6.4	2.0	90	2.3	16.1657	1978
YBK3-355L2-8	200	388.2	740	94.3	0.83	1.8	6.4	2.0	90	2.3	18.1168	2130
YBK3-315S-10	45	99.6	592	91.2	0.75	1.3	6.2	2.0	82	2.3	3.8772	972
YBK3-315M-10	55	121.1	592	91.8	0.75	1.3	6.2	2.0	82	2.3	4.7846	1080
YBK3-315L1-10	75	162.1	592	92.3	0.76	1.3	6.2	2.0	82	2.3	6.1870	1226
YBK3-315L2-10	90	191.0	592	92.9	0.77	1.3	6.2	2.0	82	2.3	7.2595	1310
YBK3-355S-10	90	191.0	585	92.9	0.77	1.3	6.0	2.0	82	2.3	9.3540	1405
YBK3-355M1-10	110	230.2	585	93.1	1.78	1.3	6.0	2.0	90	2.3	12.1432	1880
YBK3-355M2-10	132	275.0	585	93.5	0.78	1.3	6.0	2.0	90	2.3	13.9612	1960
YBK3-355L1-10	160	333.3	585	93.5	0.78	1.3	6.0	2.0	90	2.3	17.2931	2086
YBK3-355L2-10	185	385.4	585	93.5	0.78	1.3	6.0	2.0	90	2.3	19.9645	2130

注：重量为理论预算值。（参考） The weight is theoretic calculation (for reference)

MOTORS
SERIES PRODUCT
产品概述







YFBX3系列高效率粉尘防爆型三相异步电动机
YFBX3 DUST EXPLOSION-PROOF SERIES THREE-PHASE ASYNCHRONOUS MOTOR

概述

YFBX3系列粉尘防爆三相异步电动机为全封闭自扇冷式电动机，是在YB3系列隔爆型三相异步电动机基础上研发出的高效率防粉尘隔爆型三相异步电动机，其能效指标达到GB 18613–2012中的2级能效。

本系列电动机的防爆性能符合GB12476.1《可燃性粉尘环境用电气设备第1部分：用外壳和限制表面温度保护的电气设备 第1节电气设备的技术要求》的规定制成DIP A、B两种型式，分别为防尘型与尘密型。温度组别分别为T1、T2、T3、T4，适用于工厂爆炸性粉尘场所。

本系列电动机外观除接线盒与YB3系列存在差异外，其功率等级、安装方式、安装尺寸均同YB3系列。电动机防护等级为IP65，冷却方式为IC411。

General Description

YFBX3 dust explosion-proof series three phase asynchronous motor is totally enclosed fan cooled motor, are the YB3 series flameproof three-phase asynchronous motor based on the research and development of high efficiency dust proof flameproof three-phase asynchronous motor, the energy efficiency indexes of GB 18613-2012 in the 2nd level of energy efficiency.

This series motors explosion-proof performance accords with GB12476.1 the combustible dust environment with electrical equipment Part 1: use a shell and limit surface temperature protection of electrical equipment Section 1 the provisions of the technical requirements of electrical equipment made of DIP A, B two kinds of type, type dust and dust density respectively. Temperature classes T1, T2, T3, T4, respectively, applicable to factories with explosive dust places.

This series motor appearance in addition to the junction box and YB3 series of differences, their level of power, installation and installation dimensions are the same YB3 series. Motor protection grade reaches IP65, cooling way for IC411.

上力电机
Shangli motor

技术数据
TECHNICAL DATA

型号 Type	额定 Rated 功率 Output (kW)	额定 Rated 电流 Current (380V) (A)	额定 Rated 转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	堵转转矩 额定转矩 Locket torque Rated torque	堵转电流 额定电流 Locket current Rated current	最大转矩 额定转矩 Pullout torque Rated torque	噪声 Noise (Lw)	振动等级 Vibration class	转动惯量 Inertia movement	重量 Weight (kg)
同步转速 Synchronous speed 3000r/min												
YFBX3-80M1-2	0.75	1.7	2885	80.7	0.83	2.3	6.8	2.3	67	1.3	0.0010	29
YFBX3-80M2-2	1.1	2.4	2885	82.7	0.83	2.3	7.3	2.3	67	1.3	0.0013	31
YFBX3-90S-2	1.5	3.2	2885	84.2	0.84	2.3	7.6	2.3	72	1.3	0.0020	36
YFBX3-90L-2	2.2	4.6	2890	85.9	0.85	2.3	7.8	2.3	72	1.3	0.0026	40
YFBX3-100L-2	3	6.0	2895	87.1	0.87	2.3	8.1	2.3	76	1.3	0.0044	50
YFBX3-112M-2	4	7.8	2895	88.1	0.88	2.3	8.3	2.3	77	1.3	0.0060	67
YFBX3-132S1-2	5.5	10.6	2920	89.2	0.88	2.2	8.0	2.3	80	1.3	0.0140	85
YFBX3-132S2-2	7.5	14.2	2915	90.1	0.89	2.2	7.8	2.3	80	1.3	0.0162	89
YFBX3-160M1-2	11	20.6	2945	91.2	0.89	2.2	7.9	2.3	86	1.8	0.0525	152
YFBX3-160M2-2	15	27.9	2945	91.9	0.89	2.2	8.0	2.3	86	1.8	0.0608	164
YFBX3-160L-2	18.5	34.2	2940	92.4	0.89	2.2	8.1	2.3	86	1.8	0.0696	177
YFBX3-180M-2	22	40.5	2960	92.7	0.89	2.2	8.2	2.3	88	1.8	0.0864	240
YFBX3-200L1-2	30	54.9	2965	93.3	0.89	2.2	7.5	2.3	90	1.8	0.163	289
YFBX3-200L2-2	37	67.4	2965	93.7	0.89	2.2	7.5	2.3	90	1.8	0.172	307
YFBX3-225M-2	45	81.7	2965	94.0	0.89	2.2	7.6	2.3	92	1.8	0.3562	378
YFBX3-250M-2	55	99.6	2965	94.3	0.89	2.2	7.6	2.3	93	1.8	0.459	529
YFBX3-280S-2	75	135.2	2980	94.7	0.89	2.0	6.9	2.3	94	1.8	1.0074	645
YFBX3-280M-2	90	161.7	2970	95.0	0.89	2.0	7.0	2.3	94	1.8	1.0592	701
YFBX3-315S-2	110	187.3	2980	95.2	0.89	1.9	7.1	2.3	96	2.3	1.3861	1075
YFBX3-315M-2	132	236.2	2980	95.4	0.89	1.9	7.1	2.3	96	2.3	1.7088	1182
YFBX3-315L1-2	160	285.7	2980	95.6	0.89	1.9	7.1	2.2	98	2.3	1.740	1303
YFBX3-315L2-2	200	356.4	2980	95.8	0.89	1.9	7.1	2.2	98	2.3	2.141	1525
YFBX3-355S1-2	(185)	330.0	2980	95.7	0.89	1.9	7.1	2.2	98	2.3	2.88	1680
YFBX3-355S2-2	(200)	356.4	2980	95.8	0.89	1.9	7.1	2.2	98	2.3	3.05	1740
YFBX3-355M1-2	(220)	392.0	2980	95.8	0.89	1.8	7.1	2.2	100	2.3	3.67	1790
YFBX3-355M2-2	250	445.5	2980	95.8	0.89	1.8	7.1	2.2	100	2.3	4.02	1840
YFBX3-355L1-2	(280)	499.0	2980	95.8	0.89	1.8	7.1	2.2	100	2.3	4.16	2040
YFBX3-355L2-2	315	561.3	2980	95.8	0.89	1.8	7.1	2.2	100	2.3	4.86	2060
同步转速 Synchronous speed 1500r/min												
YFBX3-80M1-4	0.55	1.4	1435	79.0	0.74	2.3	6.3	2.3	58	1.3	0.0016	29
YFBX3-80M2-4	0.75	1.9	1435	82.5	0.74	2.3	6.5	2.3	58	1.3	0.0020	30
YFBX3-90S-4	1.1	2.7	1435	84.1	0.74	2.3	6.6	2.3	61	1.3	0.0030	37
YFBX3-90L-4	1.5	3.6	1440	85.3	0.74	2.3	6.9	2.3	61	1.3	0.0038	40
YFBX3-100L1-4	2.2	4.8	1455	86.7	0.80	2.3	7.5	2.3	64	1.3	0.0077	51
YFBX3-100L2-4	3	6.4	1455	87.7	0.81	2.3	7.6	2.3	64	1.3	0.0093	56
YFBX3-112M-4	4	8.5	1455	88.6	0.81	2.3	7.7	2.3	65	1.3	0.128	72
YFBX3-132S-4	5.5	11.4	1460	89.6	0.82	2.0	7.5	2.3	71	1.3	0.0295	90
YFBX3-132M-4	7.5	15.2	1460	90.4	0.83	2.0	7.4	2.3	71	1.3	0.0366	102
YFBX3-160M-4	11	21.5	1470	91.4	0.85	2.0	7.5	2.3	75	1.8	0.0795	148
YFBX3-160L-4	15	29.1	1470	92.1	0.85	2.0	7.5	2.3	75	1.8	0.1034	168
YFBX3-180M-4	18.5	35.3	1475	92.6	0.86	2.0	7.7	2.3	76	1.8	0.1596	221
YFBX3-180L-4	22	41.8	1475	93.0	0.86	2.0	7.8	2.3	76	1.8	0.2025	296
YFBX3-200L-4	30	56.6	1480	93.6	0.86	2.0	7.2	2.3	79	1.8	0.3283	379
YFBX3-225S-4	37	69.6	1485	93.9	0.86	2.0	7.3	2.3	81	1.8	0.484	409
YFBX3-225M-4	45	84.4	1485	94.2	0.86	2.0	7.4	2.3	81	1.8	0.5653	507
YFBX3-250M-4	55	102.7	1480	94.6	0.86	2.0	7.4	2.3	83	1.8	0.8761	699
YFBX3-280S-4	75	136.3	1490	95.0	0.88	2.0	6.7	2.3	86	1.8	1.9542	724
YFBX3-280M-4	90	163.2	1490	95.2	0.88	2.0	7.1	2.3	86	1.8	2.3513	756
YFBX3-315S-4	110	199.1	1490	95.4	0.88	2.0	7.1	2.2	93	2.3	2.3783	1098
YFBX3-315M-4	132	238.4	1490	95.6	0.88	2.0	7.1	2.2	93	2.3	2.6558	1150
YFBX3-315L1-4	160	285.1	1490	95.8	0.89	2.0	7.1	2.2	93	2.3	2.9974	1274
YFBX3-315L2-4	200	356.0	1490	95.9	0.89	2.0	7.1	2.2	94	2.3	4.1225	1566
YFBX3-355S1-4	(185)	329.0	1488	96.0	0.89	2.0	7.1	2.2	94	2.3	6.02	1867
YFBX3-355S2-4	(200)	355.7	1488	96.0	0.89	2.0	7.1	2.2	94	2.3	6.30	1917
YFBX3-355M1-4	(220)	391.2	1488	96.0	0.89	2.0	7.1	2.2	95	2.3	6.42	1941
YFBX3-355M2-4	250	439.6	1488	96.0	0.90	2.0	7.1	2.2	95	2.3	7.92	2006
YFBX3-355L1-4	(280)	492.4	1488	96.0	0.90	2.0	7.1	2.2	95	2.3	6.77	2173
YFBX3-355L2-4	315	553.9	1488	96.0	0.90	2.0	7.1	2.2	95	2.3	7.8149	2203

注：重量为理论预算值。（参考） The weight is theoretic calculation (for reference)

TECHNICAL DATA
技术数据

型号 Type	额定 Rated 功率 Output (kW)	电流 Current (380V) (A)	转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	堵转转矩 额定转矩 Locket torque Rated torque	堵转电流 额定电流 Locket current Rated current	最大转矩 额定转矩 Pull out torque Rated torque	噪声 Noise (Lw)	振动等级 Vibration class	转动惯量 Inertia movement	重量 Weight (kg)
同步转速 Synchronous speed 1000r/min												
YFBX3-80M1-6	0.37	1.3	890	62.6	0.69	1.9	4.7	2.0	54	1.3	0.0023	27.6
YFBX3-80M2-6	0.55	1.6	890	73.6	0.71	1.9	4.7	2.1	54	1.3	0.0030	30
YFBX3-90S-6	0.75	2.0	950	78.9	0.71	2.1	5.8	2.1	57	1.3	0.0038	35
YFBX3-90L-6	1.1	2.9	950	81.0	0.72	2.1	5.9	2.1	57	1.3	0.0053	40
YFBX3-100L-6	1.5	3.8	955	82.5	0.73	2.1	6.0	2.1	61	1.3	0.0107	48
YFBX3-112M-6	2.2	5.4	955	84.3	0.73	2.1	6.0	2.1	65	1.3	0.0151	62
YFBX3-132S-6	3	7.2	975	85.6	0.74	2.0	6.2	2.1	69	1.3	0.0318	87
YFBX3-132M1-6	4	9.5	975	86.8	0.74	2.0	6.8	2.1	69	1.3	0.0394	95
YFBX3-132M2-6	5.5	12.7	975	88.0	0.75	2.0	7.1	2.1	69	1.3	0.0404	103
YFBX3-160M-6	7.5	16.4	980	89.1	0.78	2.1	6.9	2.1	73	1.8	0.0964	147
YFBX3-160L-6	11	23.7	980	90.3	0.78	2.1	6.9	2.1	73	1.8	0.127	175
YFBX3-180L-6	15	30.9	980	91.2	0.81	2.0	7.2	2.1	73	1.8	0.201	230
YFBX3-200L1-6	18.5	37.8	980	91.7	0.81	2.1	7.2	2.1	76	1.8	0.325	281
YFBX3-200L2-6	22	44.2	980	92.2	0.82	2.1	7.3	2.1	76	1.8	0.371	284
YFBX3-225M-6	30	60.6	980	92.9	0.81	2.0	7.1	2.1	76	1.8	0.5470	360
YFBX3-250M-6	37	71.7	990	93.3	0.84	2.1	7.1	2.1	78	1.8	0.9605	482
YFBX3-280S-6	45	84.8	990	93.7	0.86	2.1	7.2	2.0	80	1.8	1.85	589
YFBX3-280M-6	55	103.3	990	94.1	0.86	2.1	7.2	2.0	80	1.8	2.12	655
YFBX3-315S-6	75	141.7	995	94.6	0.85	2.0	6.7	2.0	85	2.3	2.61	1074
YFBX3-315M-6	90	171.5	995	94.9	0.84	2.0	6.7	2.0	85	2.3	3.04	1170
YFBX3-315L1-6	110	206.8	995	95.1	0.85	2.0	6.7	2.0	85	2.3	3.71	1295
YFBX3-315L2-6	132	244.4	995	95.4	0.86	2.0	6.7	2.0	85	2.3	4.24	1450
YFBX3-355S-6	160	292.3	995	95.6	0.87	1.9	6.7	2.0	92	2.3	8.3585	1861
YFBX3-355M1-6	185	336.9	995	95.9	0.87	1.9	6.7	2.0	92	2.3	7.7	1880
YFBX3-355M2-6	200	364.6	995	95.8	0.87	1.9	6.7	2.0	92	2.3	9.464	1889
YFBX3-355L1-6	220	404.4	995	95.0	0.87	1.9	6.7	2.0	92	2.3	9.8	2142
YFBX3-355L2-6	250	459.6	995	95.8	0.87	1.9	6.7	2.0	92	2.3	11.215	2171
同步转速 Synchronous speed 750r/min												
YFBX3-100L2-8	1.1	3.4	690	70.8	0.69	1.8	5.0	2.0	59	1.3	0.0102	49
YFBX3-112M-8	1.5	4.5	690	72.9	0.70	1.8	5.0	2.0	61	1.3	0.0147	65
YFBX3-132S-8	2.2	6.0	710	78.0	0.71	1.8	6.0	2.0	64	1.3	0.0307	83
YFBX3-132M-8	3	7.9	710	79	0.73	1.8	6.0	2.0	64	1.3	0.0426	94
YFBX3-160M1-8	4	10.4	720	80	0.73	1.9	6.0	2.0	68	1.8	0.0635	132
YFBX3-160M2-8	5.5	13.8	720	82.1	0.74	1.9	6.0	2.0	68	1.8	0.0897	144
YFBX3-160L-8	7.5	18.1	720	84.1	0.75	1.9	6.0	2.0	68	1.8	0.1270	166
YFBX3-180L-8	11	25.8	720	86.5	0.75	2.0	6.5	2.0	70	1.8	0.2138	223
YFBX3-200L-8	15	34.5	730	87	0.76	2.0	6.6	2.0	73	1.8	0.3588	279
YFBX3-225S-8	18.5	41.5	740	89.2	0.76	1.9	6.6	2.0	73	1.8	0.5488	332
YFBX3-225M-8	22	47.4	740	90.5	0.78	1.9	6.6	2.0	73	1.8	0.6454	363
YFBX3-250M-8	30	63.4	740	91	0.79	1.9	6.5	2.0	75	1.8	0.9876	478
YFBX3-280S-8	37	77.8	740	91.5	0.79	1.9	6.6	2.0	76	1.8	1.7092	585
YFBX3-280M-8	45	93.7	740	92.4	0.79	1.9	6.6	2.0	76	1.8	1.9875	648
YFBX3-315S-8	55	111.2	740	92.8	0.81	1.8	6.6	2.0	82	2.3	3.9597	972
YFBX3-315M-8	75	1505	740	93.5	0.81	1.8	6.4	2.0	82	2.3	5.2790	1080
YFBX3-315L1-8	90	178.7	740	93.3	0.82	1.8	6.4	2.0	82	2.3	6.2695	1450
YFBX3-315L2-8	110	217.8	740	93.6	0.82	1.8	6.4	2.0	82	2.3	7.4245	1310
YFBX3-355S-8	132	260.5	740	93.9	0.82	1.8	6.4	2.0	90	2.3	11.4275	1405
YFBX3-355M-8	160	315.0	740	94.1	0.82	1.8	6.4	2.0	90	2.3	13.9360	1880
YFBX3-355L1-8	185	364.3	740	94.1	0.82	1.8	6.4	2.0	90	2.3	16.1657	1978
YFBX3-355L2-8	200	388.2	740	94.3	0.83	1.8	6.4	2.0	90	2.3	18.1168	2130
YFBX3-315S-10	45	99.6	592	91.2	0.75	1.3	6.2	2.0	82	2.3	3.8772	972
YFBX3-315M-10	55	121.1	592	91.8	0.75	1.3	6.2	2.0	82	2.3	4.7846	1080
YFBX3-315L1-10	75	162.1	592	92.3	0.76	1.3	6.2	2.0	82	2.3	6.1870	1226
YFBX3-315L2-10	90	191.0	592	92.9	0.77	1.3	6.2	2.0	82	2.3	7.2595	1310
YFBX3-355S-10	90	191.0	585	92.9	0.77	1.3	6.0	2.0	82	2.3	9.3540	1405
YFBX3-355M1-10	110	230.2	585	93.1	1.78	1.3	6.0	2.0	90	2.3	12.1432	1880
YFBX3-355M2-10	132	275.0	585	93.5	0.78	1.3	6.0	2.0	90	2.3	13.9612	1960
YFBX3-355L1-10	160	333.3	585	93.5	0.78	1.3	6.0	2.0	90	2.3	17.2931	2086
YFBX3-355L2-10	185	385.4	585	93.5	0.78	1.3	6.0	2.0	90	2.3	19.9645	2130

注：重量为理论预算值。（参考） The weight is theoretic calculation (for reference)

MOTORS SERIES PRODUCT
产品概述

上力电机
Shangli motor







YFBX4 系列高效粉尘防爆型三相异步电动机
YFBX4 SERIES HIGH EFFICIENCY DUST EXPLOSION-PROOF TYPE THREE-PHASE ASYNCHRONOUS MOTOR

概述

粉尘防爆型高效三相异步电动机（以下简称：电动机）是适用于工厂爆炸性粉尘场所，作为传动机用。

电动机的粉尘防爆性能按照国家标准GB/T 3836.1《爆炸性环境 第1部分： 设备 通用要求》和GB/T 3836.31《爆炸性环境 第31部分：由防粉尘点燃外壳“t”保护的设备》的规定制成粉尘防爆型高效三相异步电动机。

EX tb IIIC T135℃ Db
- EX：粉尘防爆代号 Dust explosion-proof code
- tb：外壳类型 The shell type
- IIIC：使用区域 Use area
- T135℃：温度组别 Temperature classes
- Db：设备保护级别 Equipment protection level

本粉尘系列电动机效率指标符合GB 18613–2020《中小型三相异步电动机能效限定值及能效等级》中的2级和3级效率等级。

General Description

Dust explosion-proof type high efficiency three-phase asynchronous motor (hereinafter referred to as: motor) is applicable to factories with explosive dust, as a drive motor.

Dust explosive performance of motor according to the national standard GB/T 3836.1" fried environment, part 1: general requirements for equipment "and GB/T 3836.31" lit by dust prevention Fried environment, 31 parts: shell of protection of the "t" equipment" the provisions of the made dust explosion-proof type high efficiency three-phase asynchronous motor.

This dust series motor efficiency indicators in line with the GB 18613-2020 " small and medium three-phase asynchronous motor of limited value of energy efficiency and energy efficiency grade 2 and 3 level of efficiency.

TECHNICAL DATA
技术数据

型号 Type	额定 Rated 功率 Output (kW)	电流 Current (380V) (A)	转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	堵转转矩 额定转矩 Locket torque Rated torque	堵转电流 额定电流 Locket current Rated current	最大转矩 额定转矩 Pull out torque Rated torque	噪声 Noise (Lw)	转动惯量 Inertia movement	重量 Weight (kg)
同步转速 Synchronous speed 3000r/min											
YFBX4-80M1-2	0.75	1.6	2825	83.5	0.83	2.1	8.5	2.3	67	0.005	36
YFBX4-80M2-2	1.1	2.4	2825	85.2	0.83	2.1	8.5	2.3	67	0.007	37
YFBX4-90S-2	1.5	3.1	2840	86.5	0.85	2.1	9	2.3	72	0.009	44
YFBX4-90L-2	2.2	4.4	2840	88	0.86	2	9	2.3	72	0.017	48
YFBX4-100L-2	3	5.9	2880	89.1	0.87	1.9	9.5	2.3	76	0.030	60
YFBX4-112M-2	4	7.7	2890	90	0.88	1.9	9.5	2.3	77	0.063	72
YFBX4-132S1-2	5.5	10.4	2900	90.9	0.88	1.9	9.5	2.3	80	0.073	92
YFBX4-132S2-2	7.5	14.0	2900	91.7	0.89	1.9	9.5	2.3	80	0.21	99
YFBX4-160M1-2	11	20.2	2930	92.6	0.89	1.9	9.5	2.3	86	0.31	145
YFBX4-160M2-2	15	27.4	2930	93.3	0.89	1.9	9.5	2.3	86	0.37	154
YFBX4-160L-2	18.5	33.7	2930	93.7	0.89	1.9	9.5	2.3	86	0.63	165
YFBX4-180M-2	22	40.0	2940	94	0.89	1.9	9.5	2.3	88	0.73	260
YFBX4-200L1-2	30	54.2	2950	94.5	0.89	2.0	9	2.3	90	1.28	297
YFBX4-200L2-2	37	66.6	2950	94.8	0.89	2.0	9	2.3	90	1.55	323
YFBX4-225M-2	45	80.9	2970	95	0.89	2.0	9	2.3	92	1.89	457
YFBX4-250M-2	55	98.5	2970	95.3	0.89	2.0	9	2.3	93	2.02	518
YFBX4-280S-2	75	133.9	2970	95.6	0.89	1.8	8.5	2.3	94	2.26	693
YFBX4-280M-2	90	160.4	2970	95.8	0.89	1.8	8.5	2.3	94	2.42	756
YFBX4-315S-2	110	195.6	2980	96	0.89	1.8	8.5	2.2	96	2.726	1174
YFBX4-315M-2	132	234.2	2980	96.2	0.89	1.8	8.5	2.2	96	3.22	1328
YFBX4-315L1-2	160	283.6	2980	96.3	0.89	1.8	8.5	2.2	98	3.41	1371
YFBX4-315L2-2	(200)	353.8	2980	96.5	0.89	1.8	8.5	2.2	98	3.86	1446
YFBX4-355S1-2	(185)	327.3	2980	96.5	0.89	1.6	8.5	2.2	98	4.82	1619
YFBX4-355S2-2	(200)	353.8	2980	96.5	0.89	1.6	8.5	2.2	98	5.46	1619
YFBX4-355M1-2	(220)	389.2	2980	96.5	0.89	1.6	8.5	2.2	100	6.22	1705
YFBX4-355M2-2	250	432.6	2980	96.5	0.91	1.6	8.5	2.2	100	6.54	1705
YFBX4-355L1-2	(280)	484.5	2980	96.5	0.91	1.6	8.5	2.2	100	6.95	1915
YFBX4-355L2-2	315	545.0	2980	96.5	0.91	1.6	8.5	2.2	100	7.06	2068
同步转速 Synchronous speed 1500r/min											
YFBX4-80M1-4	0.55	1.3	1390	83.9	0.74	2.2	8.5	2.3	58	0.007	34
YFBX4-80M2-4	0.75	1.8	1390	85.7	0.74	2.2	8.5	2.3	58	0.012	35
YFBX4-90S-4	1.1	2.6	1400	87.2	0.75	2.2	8.5	2.3	61	0.015	37
YFBX4-90L-4	1.5	3.4	1400	88.2	0.76	2.2	9	2.3	61	0.031	39
YFBX4-100L1-4	2.2	4.7	1420	89.5	0.79	2.2	9	2.3	64	0.039	56
YFBX4-100L2-4	3	6.3	1420	90.4	0.8	2.2	9.5	2.3	64	0.059	60
YFBX4-112M-4	4	8.3	1440	91.1	0.8	2.2	9.5	2.3	65	0.113	78
YFBX4-132S4	5.5	11.4	1440	91.9	0.8	2.0	9.5	2.3	71	0.167	99
YFBX4-132M-4	7.5	15.2	1440	92.6	0.81	2.0	9.5	2.3	71	0.36	110
YFBX4-160M-4	11	21.6	1460	93.3	0.83	2.2	9.5	2.3	75	0.42	150
YFBX4-160L-4	15	28.9	1460	93.9	0.84	2.2	9.5	2.3	75	0.68	162
YFBX4-180M-4	18.5	35.1	1470	94.2	0.85	2.2	9.5	2.3	76	0.72	253
YFBX4-180L-4	22	41.6	1470	94.5	0.85	2.2	9.5	2.3	76	0.81	275
YFBX4-200L-4	30	56.5	1470	94.9	0.85	2.2	9	2.3	79	1.21	309
YFBX4-225S-4	37	69.5	1480	95.2	0.85	2.2	9	2.3	81	1.85	390
YFBX4-225M-4	45	84.3	1480	95.4	0.85	2.2	9	2.3	81	2.32	422
YFBX4-250M-4	55	101.5	1480	95.7	0.86	2.2	9	2.3	83	2.86	536
YFBX4-280S-4	75	136.4	1480	96	0.87	2.2	8.5	2.3	86	3.34	777
YFBX4-280M-4	90	161.7	1485	96.1	0.88	2.2	8.5	2.3	86	4.68	885
YFBX4-315S-4	110	195.0	1485	96.3	0.89	2.2	8.5	2.2	93	4.96	1195
YFBX4-315M-4	132	233.8	1485	96.4	0.89	2.2	8.5	2.2	93	5.22	1324
YFBX4-315L1-4	160	279.6	1485	96.6	0.90	2.2	8.5	2.2	94	5.43	1397
YFBX4-315L-4	185	323.0	1485	96.7	0.90	2.2	8.5	2.2	94	5.62	1507
YFBX4-315L2-4	200	349.2	1485	96.7	0.90	2.2	8.5	2.2	94	6.45	1507
YFBX4-355S1-4	(185)	323.0	1488	96.7	0.90	2.2	8.5	2.2	94	6.56	1672
YFBX4-355S2-4	(200)	349.2	1488	96.7	0.90	2.2	8.5	2.2	94	6.88	1718
YFBX4-355M1-4	(220)	384.1	1488	96.7	0.90	2.2	8.5	2.2	95	7.22	1804
YFBX4-355M2-4	250	436.5	1488	96.7	0.90	2.2	8.5	2.2	95	7.46	1865
YFBX4-355L1-4	(280)	488.8	1488	96.7	0.90	2.2	8.5	2.2	95	7.68	2061
YFBX4-355L2-4	315	549.9	1488	96.7	0.90	2.2	8.5	2.2	95	7.8	2174

注：带（ ）为不推荐的规格 The specifications of the belt ( ) is not recommended

型号 Type	额定 Rated 功率 Output (kW)	电流 Current (380V) (A)	转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	堵转转矩 额定转矩 Locket torque Rated torque	堵转电流 额定电流 Locket current Rated current	最大转矩 额定转矩 Pull out torque Rated torque	噪声 Noise (Lw)	转动惯量 Inertia movement	重量 Weight (kg)
同步转速 Synchronous speed 1000r/min											
YFBX4-80M1-6	0.37	1.0	931	78	0.70	1.9	7.5	2	54	0.007	32
YFBX4-80M2-6	0.55	1.5	933	80.9	0.70	1.9	7.5	2.1	54	0.012	35
YFBX4-90S-6	0.75	2.0	938	82.7	0.70	2.1	7.5	2.1	57	0.015	35
YFBX4-90L-6	1.1	2.8	938	84.5	0.70	2.1	7.5	2.1	57	0.031	37
YFBX4-100L-6	1.5	3.7	941	85.9	0.71	2.1	7.5	2.1	61	0.043	55
YFBX4-112M-6	2.2	5.4	964	87.4	0.71	2.1	7.5	2.1	65	0.42	67
YFBX4-132S-6	3	7.2	979	88.6	0.71	2.0	7.5	2.1	69	0.68	88
YFBX4-132M1-6	4	9.4	979	89.5	0.72	2.0	8	2.1	69	0.072	95
YFBX4-132M2-6	5.5	12.8	979	90.5	0.72	2.0	8	2.1	69	0.81	104
YFBX4-160M-6	7.5	16.4	983	91.3	0.76	2.1	8	2.1	73	1.21	140
YFBX4-160L-6	11	23.5	984	92.3	0.77	2.1	8.5	2.1	73	1.32	165
YFBX4-180L-6	15	30.7	988	92.9	0.80	2.0	8.5	2.1	73	1.62	236
YFBX4-200L1-6	18.5	37.6	990	93.4	0.80	2.1	8.5	2.1	76	1.84	259
YFBX4-200L2-6	22	44.0	990	93.7	0.81	2.1	8.5	2.1	76	2.43	302
YFBX4-225M-6	30	59.0	991	94.2	0.82	2.0	8.3	2.1	76	2.68	390
YFBX4-250M-6	37	71.7	993	94.5	0.83	2.1	8.3	2.1	78	3.46	510
YFBX4-280S-6	45	86.9	994	94.8	0.83	2.1	8.5	2.0	80	3.97	709
YFBX4-280M-6	55	104.6	995	95.1	0.84	2.1	8.5	2.0	80	4.57	786
YFBX4-315S-6	75	142.2	995	95.4	0.84	2.0	8	2.0	85	4.83	1155
YFBX4-315M-6	90	168.3	995	95.6	0.85	2.0	8	2.0	85	5.32	1277
YFBX4-315L1-6	110	205.2	995	95.8	0.85	2.0	8	2.0	85	5.95	1375
YFBX4-315L2-6	132	242.9	995	96.0	0.86	2.0	8	2.0	85	7.32	1467
YFBX4-355S-6	160	293.8	995	96.2	0.86	2.0	8	2.0	92	7.89	1754
YFBX4-355M1-6	(185)	335.9	995	96.2	0.86	2.0	8	2.0	92	8.17	1815
YFBX4-355M2-6	200	366.9	996	96.3	0.86	2.0	8	2.0	92	8.25	1866
YFBX4-355L1-6	(220)	399.0	996	96.3	0.86	2.0	8	2.0	92	8.36	2070
YFBX4-355L2-6	250	457.7	996	96.5	0.86	2.0	8	2.0	92	8.38	2180
同步转速 Synchronous speed 750r/min											
YFBX4-80M1-8	0.18	0.7	650	67.2	0.61	1.8	7	1.9	52	0.007	33
YFBX4-80M2-8	0.25	0.9	650	70.8	0.61	1.8	7	1.9	52	0.012	34
YFBX4-90S-8	0.37	1.2	670	74.3	0.61	1.8	7	1.9	56	0.015	41
YFBX4-90L-8	0.55	1.8	670	77	0.61	1.8	7	2	56	0.031	44
YFBX4-100L1-8	0.75	2.2	690	78.4	0.66	1.8	7	2	59	0.043	51
YFBX4-100L2-8	1.1	3.1	690	80.8	0.67	1.8	7	2	59	0.045	54
YFBX4-112M-8	1.5	4.0	690	82.6	0.69	1.8	7	2	61	0.28	62
YFBX4-132S-8	2.2	5.7	710	84.5	0.70	1.8	7.5	2	64	0.3	89
YFBX4-132M-8	3	7.6	710	85.9	0.70	1.8	7.8	2	64	0.32	95
YFBX4-160M1-8	4	9.8	720	87.1	0.71	1.9	7.9	2	68	0.46	120
YFBX4-160M2-8	5.5	13.1	720	88.3	0.72	1.9	8.1	2	68	0.61	132
YFBX4-160L-8	7.5	17.2	730	89.3	0.74	1.9	7.8	2	68	1.06	155
YFBX4-180L-8	11	25.0	730	90.4	0.74	2.0	7.9	2	70	1.6	221
YFBX4-200L-8	15	33.3	730	91.2	0.75	2.0	8.0	2	73	2.28	280
YFBX4-225S-8	18.5	40.9	740	91.7	0.75	1.9	8.1	2	73	2.74	330
YFBX4-225M-8	22	47.8	740	92.1	0.76	1.9	8.3	2	73	3.67	350
YFBX4-250M-8	30	63.9	740	92.7	0.77	1.9	7.9	2	75	5.16	472
YFBX4-280S-8	37	77.4	740	93.1	0.78	1.9	7.9	2	76	5.82	580
YFBX4-280M-8	45	93.9	740	93.4	0.78	1.9	7.9	2	76	6.74	630
YFBX4-315S-8	55	111.5	740	93.7	0.80	1.8	8.2	2	82	7.35	884
YFBX4-315M-8	75	151.2	740	94.2	0.80	1.8	7.6	2	82	8.79	1000
YFBX4-315L1-8	90	178.8	740	94.4	0.81	1.8	7.7	2	82	9.18	1000
YFBX4-315L2-8	110	217.9	740	94.7	0.81	1.8	7.7	2	82	10.19	1250
YFBX4-355S-8	132	260.9	740	94.9	0.81	1.8	7.7	2	90	11.24	1630
YFBX4-355M-8	160	311.7	742	95.1	0.82	1.8	7.7	2	90	12.48	1762
YFBX4-355L1-8	(185)	360.5	742	95.1	0.82	1.8	7.7	2	90	13.56	1880
YFBX4-355L2-8	200	388.5	742	95.4	0.82	1.8	7.8	2	90	13.72	2026
同步转速 Synchronous speed 600r/min											
YFBX4-315S-10	45	100.8	590	91.2	0.75	1.5	6.2	2	82	3.8772	958
YFBX4-315M-10	55	122.6	590	91.8	0.75	1.5	6.2	2	82	4.7846	1080
YFBX4-315L1-10	75	163.9	590	92.3	0.76	1.5	5.8	2	82	6.187	1220
YFBX4-315L2-10	90	192.8	590	92.8	0.77	1.5	5.9	2	82	7.2595	1405
YFBX4-355S-10	(90)	192.8	593	92.8	0.77	1.5	5.9	2	90	9.354	1526
YFBX4-355M1-10	110	232.1	593	93.0	0.78	1.3	6.0	2	90	12.1432	1570
YFBX4-355M2-10	132	277.4	593	93.3	0.78	1.3	6.0	2	90	13.9612	1668
YFBX4-355L1-10	160	336.2	593	93.3	0.78	1.3	6.0	2	90	17.2931	1964
YFBX4-355L2-10	(185)	388.7	593	93.3	0.78	1.3	6.0	2	90	19.9645	2074

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MOTORS
SERIES PRODUCT
产品概述







YBBP系列隔爆型变频调速三相异步电动机
YBBP SERIES OF EXPLOSION-PROOFFREQUENCY CONTROL THREE-PHASE ASYNCHRONOUS MOTORS

概述

YBBP系列隔爆型变频调速三相异步电动机是我公司在YB3系列电动机基础上，结合当前国、内外电磁结构、工艺、材料等方面的新技术而开发研制成功的新产品。其特点是电机与变频器配合使用，可以实现较宽范围内平滑无级调速，其中频率范围5~50Hz为恒转矩变频，50~100Hz为恒功率变频调速，电动机单独装有轴流风机，保证在不同转速下均有较好的冷却效果，确保电机安全、正常运行。

本系列电动机的功率等级、安装尺寸符合国际电工委员会(IEC)标准，其对应关系与德国DIN4267标准相同，有利于出口设备的配套和引进设备的备品备件。

本系列电动机隔爆性能符合GB3836.1–2010《爆炸性环境第1部分：设备通用要求》和BG3836.2–2010《爆炸性环境第2部分：由隔爆外壳“d”保护的设备》的规定，也符合IEC79–1，BS4683和EN50018的规定制成隔爆型。防爆标志为Exd Ⅰ Mb、Exd Ⅱ AT4Gb、Exd Ⅱ BT4Gb、ExdⅡCT4 Gb，适用于爆炸性环境场所。

Exd Ⅰ Mb 安装在煤矿甲烷爆炸性环境中的设备，具有“高”的保护级别，该级别具有足够的安全性，使设备正常运行中或在气体突然出现和设备断电之间内出现的预期故障条件下不可能成为点燃源，适用于非采掘工作面用电气设备。

Exd Ⅱ AT4Gb、Exd Ⅱ BT4Gb适用于除煤矿外石油、化工等爆炸性气体环境用设备，具有“高”的保护级别，在正常运行或预期故障条件下不是点燃源。

ExdⅡCT4 Gb适用于工厂内存在氢气或乙炔等爆炸性气体混合物的危险场所。

本系列隔爆型变频调速三相异步电动机与变频装置构成调速系统与其它调速方式相比节能效果显著，调速性能好，调速范围广，具有噪声低、振动小，可与国内外各种变频器配套使用，有助于节能和实现自动控制。

General Description

YBBP series of explosion-prooffrequency control three-phase asynchronous motor is our company on the basis of YB3 series motors, combined with the current state, internal and external electromagnetic structIre, technology, materials and other aspects of the new technology and new product development. It is characterized by the use of motor and frequency converter, can achieve a wide range of smooth stepless speed regulation, in which the frequency range of 5~50Hz for constant torque converter, 50~100Hz for constant power frequency conversion, motor with axial flow fan, ensure that the cooling effect at different speeds, toensure motor safety, normal operation.

This series motor power rating, installation size to meet the standard of the International Electrotechnical Commission (IEC) and the corresponding relationship with Germany DIN4267 standard is the same, is conducive to supporting the export of equipment and the introduction of equipment spare parts.

This series of motors is in accordance with the GB3836.1-2010 “explosive environment first parts:General requirements for equipment” and BG3836.2-2010 “explosive environment: the provisions of the” d “protection equipment, also in line with the requirements of Bs4683, EN50018 and IEC79-1.Exd Ⅰ Mb, Exd Ⅱ AT4Gb, Exd Ⅱ BT4Gb, ExdⅡCT4 Gb , are used in explosive environment.

Exd Ⅰ Mb installed in the coal mine methane explosive environment equipment, with the“high” protection level, the level of security, so that the normal operation of the equipment or in the sudden emergence of gas and equipment failure conditions are not possible to become a light source, suitable for non working surface with electrical equipment

Exd Ⅱ AT4Gb、Exd Ⅱ BT4Gb is suitable for the equipment of explosive gas env ironmen, such as coal mine, chemical, chemical,etc.

ExdⅡCT4 Gb Apply to factory there are hydrogen and acetylene in the dangerous sites with explosive air mixture.

This series of explosion-proof freqency control three-phade asynchronous motor and frequency conversion device constitute the speed control system and other speed control mode compared with energysaving effect is remarkable,the speed performance is good, the speed range is wide, with low noise, vibration, can be used with all kinds of domestic and foreign inverter, help to achieve automatic control.

上力电机
Shangli motor

技术数据
TECHNICAL DATA

型号 Type	功率 Output (kW)	电流 Current (380V) (A)	转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	额定转矩 Rated torque	噪声 Noise (Lw)	恒转矩调频范围 Constant Torque Frequency Range Hz	恒功率调频范围 Constant Output Frequency Range Hz
同步转速 Synchronous speed 3000r/min									
YBBP80M1-2	0.75	1.83	2845	75.0	0.83	2.3	70	(3)5-50	50-100
YBBP80M2-2	1.1	2.55	2845	78.0	0.84	3.5	70		
YBBP90S-2	1.5	3.43	2840	79.0	0.84	4.7	74		
YBBP90L-2	2.2	4.85	2840	81.0	0.85	7	74		
YBBP100L-2	3	6.24	2860	83.0	0.88	9.5	78		
YBBP112M-2	4	8.13	2880	85.0	0.88	12.7	82		
YBBP132S1-2	5.5	11.0	2900	86.0	0.88	17.5	85		
YBBP132S2-2	7.5	14.9	2900	87.0	0.88	23.8	85		
YBBP160M1-2	11	21.5	2930	88.4	0.88	35	87		
YBBP160M2-2	15	28.6	2930	89.4	0.89	47.7	87		
YBBP160L-2	18.5	35.1	2930	90.0	0.89	58.8	87		
YBBP180M-2	22	41.0	2940	90.5	0.90	70.5	90		
YBBP200L1-2	30	55.4	2950	91.4	0.90	95.4	92		
YBBP200L2-2	37	67.9	2950	92.0	0.90	117.7	92		
YBBP225M-2	45	82.1	2960	92.5	0.90	143.2	94		
YBBP250M-2	55	99.8	2965	93.0	0.90	175	96		
YBBP280S-2	75	134	2970	93.6	0.91	238.7	98		50-60
YBBP280M-2	90	160	2970	93.9	0.91	286.4	98		
YBBP315S-2	110	195	2975	94.0	0.91	350.1	100		
YBBP315M-2	132	233	2975	94.5	0.91	420.1	100		
YBBP315L1-2	160	282	2975	94.6	0.91	509.2	100		
YBBP315L2-2	200	352	2975	94.8	0.91	636.6	100		
YBBP355S-2	200	352	2980	94.8	0.91	636.6	103		
YBBP355M-2	250	438	2980	95.2	0.91	795.7	103		
YBBP355L-2	315	551	2980	95.4	0.91	1002.6	103		
同步转速 Synchronous speed 1500r/min									
YBBP80M1-4	0.55	1.57	1390	71.0	0.75	3.5	62	(3)5-50	50-100
YBBP80M2-4	0.75	2.03	1390	73.0	0.77	4.7	62		
YBBP90S-4	1.1	2.85	1390	76.2	0.77	7.0	64		
YBBP90L-4	1.5	3.68	1390	78.5	0.79	9.5	64		
YBBP100L1-4	2.2	5.09	1410	81.0	0.81	14	68		
YBBP100L2-4	3	6.73	1410	82.6	0.82	19	68		
YBBP112M-4	4	8.80	1440	84.2	0.82	25.4	72		
YBBP132S-4	5.5	11.6	1440	86.0	0.84	35	76		
YBBP132M-4	7.5	15.4	1440	87.0	0.85	47.7	76		
YBBP160M-4	11	22.2	1460	88.4	0.85	70	79		
YBBP160L-4	15	30.0	1460	89.4	0.85	95.4	79		
YBBP180M-4	18.5	36.5	1470	90.5	0.85	117.7	83		
YBBP180L-4	22	43.1	1470	91.2	0.85	140	83		
YBBP200L-4	30	57.6	1470	92.0	0.86	190.9	85		
YBBP225S-4	37	69.9	1475	92.5	0.87	235.5	88		
YBBP225M-4	45	84.7	1475	92.8	0.87	286.4	88		
YBBP250M-4	55	103	1480	93.0	0.87	350.1	92		
YBBP280S-4	75	140	1480	93.8	0.87	477.7	94		
YBBP280M-4	90	167	1480	94.2	0.87	572.9	94		
YBBP315S-4	110	201	1480	94.5	0.88	700.2	96		
YBBP315M-4	132	240	1480	94.8	0.88	840.3	96		
YBBP315L1-4	160	288	1480	94.9	0.89	1018.5	96		
YBBP315L2-4	200	360	1480	94.9	0.89	1273.2	96		
YBBP355S-4	200	360	1490	94.9	0.89	1273.2	98		
YBBP355M-4	250	443	1490	95.2	0.90	1591.5	98		50-60
YBBP355L-4	315	559	1490	95.2	0.90	2005.2	98		

TECHNICAL DATA
技术数据

型号 Type	功率 Output (kW)	电流 Current (380V) (A)	转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	额定转矩 Rated torque	噪声 Noise (Lw)	恒转矩调频范围 Constant Torque Frequency Range Hz	恒功率调频范围 Constant Output Frequency Range Hz
同步转速 Synchronous speed 1000r/min									
YBBP80M1-6	0.37	1.27	885	63.0	0.70	3.5	61		
YBBP80M2-6	0.55	1.76	885	66.0	0.72	5.2	61		
YBBP90S-6	0.75	2.29	910	69.0	0.72	7.1	63		
YBBP90L-6	1.1	3.14	910	73.0	0.73	10.5	63		
YBBP100L-6	1.5	3.95	920	76.0	0.76	14.3	66		
YBBP112M-6	2.2	5.57	935	79.0	0.76	21	71		
YBBP132S-6	3	7.31	960	81.0	0.77	28.6	75		
YBBP132M1-6	4	9.39	960	83.0	0.78	38.1	75		
YBBP132M2-6	5.5	12.6	965	85.0	0.78	52.5	75		
YBBP160M-6	7.5	16.8	970	86.0	0.79	71.6	78		
YBBP160L-6	11	24.2	970	87.5	0.79	105	78		
YBBP180L-6	15	31.6	970	89.0	0.81	143.2	82		
YBBP200L1-6	18.5	37.6	980	90.0	0.83	176.6	84	(3)5-50	50-60
YBBP200L2-6	22	44.7	980	90.0	0.83	210	84		
YBBP225M-6	30	57.6	980	92.0	0.86	286.4	86		
YBBP250M-6	37	71.1	980	92.0	0.86	353.3	90		
YBBP280S-6	45	85.9	980	92.5	0.86	429.7	92		
YBBP280M-6	55	105	980	92.8	0.86	525.1	92		
YBBP315S-6	75	142	985	93.5	0.86	716.1	94		
YBBP315M-6	90	170	985	93.8	0.86	859.4	94		
YBBP315L1-6	110	207	985	94.0	0.86	1050.3	94		
YBBP315L2-6	132	245	985	94.2	0.87	1260.4	94		
YBBP355S-6	160	293	990	94.2	0.88	1527.8	96		
YBBP355M-6	200	365	990	94.5	0.88	1909.8	96		
YBBP355L-6	250	457	990	94.5	0.88	2387.2	96		
同步转速 Synchronous speed 750r/min									
YBBP80M1-8	0.18	0.86	645	52.0	0.61	2.2	61		
YBBP80M2-8	0.25	1.13	645	55.0	0.61	3.1	61		
YBBP90S-8	0.37	1.44	670	63.0	0.62	4.7	63		
YBBP90L-8	0.55	2.07	670	64.0	0.63	7	63		
YBBP100L1-8	0.75	2.36	680	71.0	0.68	9.5	66		
YBBP100L2-8	1.1	3.32	680	73.0	0.69	14	66		
YBBP112M-8	1.5	4.40	690	75.0	0.69	19.1	71		
YBBP132S-8	2.2	5.80	705	79.0	0.73	28	75		
YBBP132M-8	3	7.71	705	81.0	0.73	38.2	75		
YBBP160M1-8	4	10.3	720	81.0	0.73	50.1	78		
YBBP160M2-8	5.5	13.4	720	83.0	0.75	70	78		
YBBP160L-8	7.5	17.6	720	85.0	0.76	95.5	78		
YBBP180L-8	11	25.3	730	87.0	0.76	140.1	82	(3)5-50	50-60
YBBP200L-8	15	33.7	730	89.0	0.76	191.0	84		
YBBP225S-8	18.5	40.0	730	90.0	0.78	235.5	86		
YBBP225M-8	22	47.4	730	90.5	0.78	280.1	86		
YBBP250M-8	30	63.4	735	91.0	0.79	382	90		
YBBP280S-8	37	77.8	735	91.5	0.79	471.1	92		
YBBP280M-8	45	94.1	735	92.0	0.79	573	92		
YBBP315S-8	55	111	735	92.8	0.81	700.3	94		
YBBP315M-8	75	150	735	93.5	0.81	955	94		
YBBP315L1-8	90	180	735	93.8	0.81	1145.9	94		
YBBP315L2-8	110	217	735	94.0	0.82	1400.5	94		
YBBP355S-8	132	260	740	94.2	0.82	1680.6	96		
YBBP355M-8	160	315	740	94.2	0.82	2037.1	96		
YBBP355L-8	200	392	740	94.5	0.82	2546.4	96		
同步转速 Synchronous speed 600r/min									
YBBP315S-10	45	99.6	590	91.5	0.75	716.2	92		
YBBP315M-10	55	121	590	92.0	0.75	875.3	92		
YBBP315L1-10	75	162	590	92.5	0.76	1193.6	92		
YBBP315L2-10	90	191	590	93.0	0.77	1432.4	92	(3)5-50	50-60
YBBP355M1-10	110	230	590	93.2	0.78	1750.6	94		
YBBP355M2-10	132	275	590	93.5	0.78	2100.8	94		
YBBP355L-10	160	333	590	93.5	0.78	2546.4	94		

MOTORS SERIES PRODUCT
产品概述

上力电机 Shangli motor







YFBBP3系列粉尘防爆型变频调速三相异步电动机

YFBBP3 DUST EXPLOSION-PROOF SERIES THREE PHASE ASYNCHRONOUS MOTOR VARIABLE FREQUENCY DRIVE (VFD)

概述

YFBBP3系列粉尘防爆型变频调速三相异步电动机为全封闭强制风冷式三相异步电动机,具有调速性能好，节能高效，结构紧凑，温升裕度大，寿命长，性能好，振动小，噪声低，防爆结构先进，外形美观，可靠性高等优点，且设有不停机的注油装置，并可根据用户需要，增加轴承测温、定子测温、防潮加热器等功能。本系列电动机符合国家标准GB12476.1《可燃性粉尘环境用电气设备 第1部分：通用要求 》和GB12476.5–2013《可燃性粉尘环境用电气设备 第5部分：外壳保护型“tD” 》的规定。防爆标志为Ex tD A21 IP65 T135℃、Ex tD A22 IP55 T135℃，使用在有爆炸性粉尘混合物环境的场所做动力拖动之用。

General Description

YFBBP3 series dust explosion-proof type frequency control of motor speed three phase asynchronous motor is totally enclosed forced air-cooled type three-phase asynchronous motor, have a good speed regulating performance, energy conservation and high efficiency, compact structure, high temperature allowance is big, long life, good performance, little vibration, low noise, explosion-proof advanced structure, good appearance, high reliability, and is equipped with non-stop oiling device, and can according to user needs, increase the bearing temperature measurement, the stator temperature, space heater, etc. This series motor GB12476.1 conforms to the national standard "combustible dust environment with electrical equipment part 1: general requirements and GB12476.5-2013 the combustible dust environment part 5: with electrical equipment enclosure protection type" tD "". Explosion-proof marks for the Ex tD A21 IP65 T135 ℃, the Ex tD A22 IP55 T135 ℃, use in the environment of the sites with explosive dust mixture to do power drag.

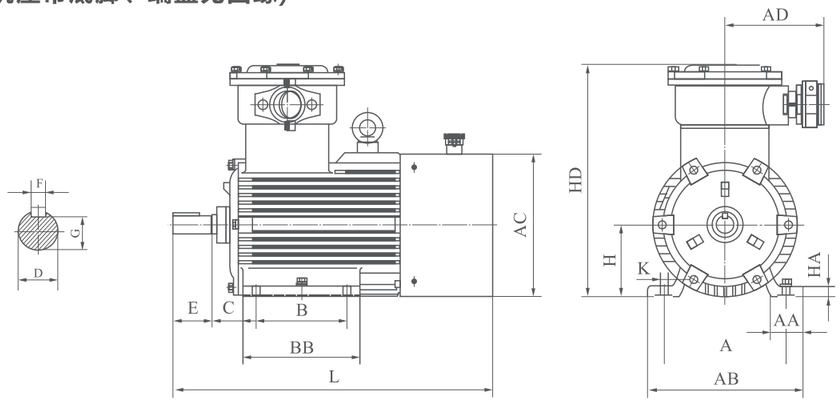
TECHNICAL DATA
技术数据

型号 Type	功率 Output (kW)	电流 Current (380V) (A)	转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	额定转矩 Rated torque	噪声 Noise (Lw)	恒转矩调频范围 Constant Torque Frequency Range Hz	恒功率调频范围 Constant Output Frequency Range Hz
同步转速 Synchronous speed 3000r/min									
YFBBP380M1-2	0.75	1.83	2845	75.0	0.83	2.3	70	(3)5-50	50-100
YFBBP380M2-2	1.1	2.55	2845	78.0	0.84	3.5	70		
YFBBP390S-2	1.5	3.43	2840	79.0	0.84	4.7	74		
YFBBP390L-2	2.2	4.85	2840	81.0	0.85	7	74		
YFBBP3100L-2	3	6.24	2860	83.0	0.88	9.5	78		
YFBBP3112M-2	4	8.13	2880	85.0	0.88	12.7	82		
YFBBP3132S1-2	5.5	11.0	2900	86.0	0.88	17.5	85		
YFBBP3132S2-2	7.5	14.9	2900	87.0	0.88	23.8	85		
YFBBP3160M1-2	11	21.5	2930	88.4	0.88	35	87		
YFBBP3160M2-2	15	28.6	2930	89.4	0.89	47.7	87		
YFBBP3160L-2	18.5	35.1	2930	90.0	0.89	58.8	87		
YFBBP3180M-2	22	41.0	2940	90.5	0.90	70.5	90		
YFBBP3200L1-2	30	55.4	2950	91.4	0.90	95.4	92		
YFBBP3200L2-2	37	67.9	2950	92.0	0.90	117.7	92		
YFBBP3225M-2	45	82.1	2960	92.5	0.90	143.2	94		50-60
YFBBP3250M-2	55	99.8	2965	93.0	0.90	175	96		
YFBBP3280S-2	75	134	2970	93.6	0.91	238.7	98		
YFBBP3280M-2	90	160	2970	93.9	0.91	286.4	98		
YFBBP3315S-2	110	195	2975	94.0	0.91	350.1	100		
YFBBP3315M-2	132	233	2975	94.5	0.91	420.1	100		
YFBBP3315L1-2	160	282	2975	94.6	0.91	509.2	100		
YFBBP3315L2-2	200	352	2975	94.8	0.91	636.6	100		
YFBBP3355S-2	200	352	2980	94.8	0.91	636.6	103		
YFBBP3355M-2	250	438	2980	95.2	0.91	795.7	103		
YFBBP3355L-2	315	551	2980	95.4	0.91	1002.6	103		
同步转速 Synchronous speed 1500r/min									
YFBBP380M1-4	0.55	1.57	1390	71.0	0.75	3.5	62	(3)5-50	50-100
YFBBP380M2-4	0.75	2.03	1390	73.0	0.77	4.7	62		
YFBBP390S-4	1.1	2.85	1390	76.2	0.77	7.0	64		
YFBBP390L-4	1.5	3.68	1390	78.5	0.79	9.5	64		
YFBBP3100L1-4	2.2	5.09	1410	81.0	0.81	14	68		
YFBBP3100L2-4	3	6.73	1410	82.6	0.82	19	68		
YFBBP3112M-4	4	8.80	1440	84.2	0.82	25.4	72		
YFBBP3132S-4	5.5	11.6	1440	86.0	0.84	35	76		
YFBBP3132M-4	7.5	15.4	1440	87.0	0.85	47.7	76		
YFBBP3160M-4	11	22.2	1460	88.4	0.85	70	79		
YFBBP3160L-4	15	30.0	1460	89.4	0.85	95.4	79		
YFBBP3180M-4	18.5	36.5	1470	90.5	0.85	117.7	83		
YFBBP3180L-4	22	43.1	1470	91.2	0.85	140	83		
YFBBP3200L-4	30	57.6	1470	92.0	0.86	190.9	85		
YFBBP3225S-4	37	69.9	1475	92.5	0.87	235.5	88		
YFBBP3225M-4	45	84.7	1475	92.8	0.87	286.4	88		
YFBBP3250M-4	55	103	1480	93.0	0.87	350.1	92		
YFBBP3280S-4	75	140	1480	93.8	0.87	477.7	94		
YFBBP3280M-4	90	167	1480	94.2	0.87	572.9	94		
YFBBP3315S-4	110	201	1480	94.5	0.88	700.2	96		
YFBBP3315M-4	132	240	1480	94.8	0.88	840.3	96		
YFBBP3315L1-4	160	288	1480	94.9	0.89	1018.5	96		
YFBBP3315L2-4	200	360	1480	94.9	0.89	1273.2	96		
YFBBP3355S-4	200	360	1490	94.9	0.89	1273.2	98		
YFBBP3355M-4	250	443	1490	95.2	0.90	1591.5	98		50-60
YFBBP3355L-4	315	559	1490	95.2	0.90	2005.2	98		
同步转速 Synchronous speed 1000r/min									
YFBBP380M1-6	0.37	1.27	885	63.0	0.70	3.5	61	(3)5-50	50-60
YFBBP380M2-6	0.55	1.76	885	66.0	0.72	5.2	61		
YFBBP390S-6	0.75	2.29	910	69.0	0.72	7.1	63		
YFBBP390L-6	1.1	3.14	910	73.0	0.73	10.5	63		

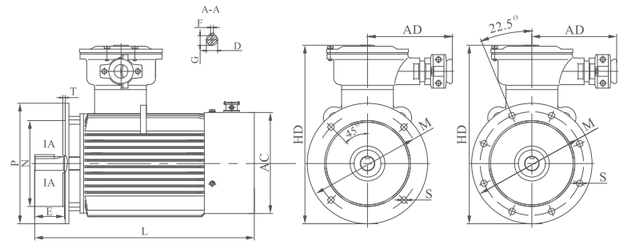
型号 Type	功率 Output (kW)	电流 Current (380V) (A)	转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	额定转矩 Rated torque	噪声 Noise (Lw)	恒转矩调频范围 Constant Torque Frequency Range Hz	恒功率调频范围 Constant Output Frequency Range Hz
同步转速 Synchronous speed 1000r/min									
YFBBP3100L-6	1.5	3.95	920	76.0	0.76	14.3	66	(3)5-50	50-60
YFBBP3112M-6	2.2	5.57	935	79.0	0.76	21	71		
YFBBP3132S-6	3	7.31	960	81.0	0.77	28.6	75		
YFBBP3132M1-6	4	9.39	960	83.0	0.78	38.1	75		
YFBBP3132M2-6	5.5	12.6	965	85.0	0.78	52.5	75		
YFBBP3160M-6	7.5	16.8	970	86.0	0.79	71.6	78		
YFBBP3160L-6	11	24.2	970	87.5	0.79	105	78		
YFBBP3180L-6	15	31.6	970	89.0	0.81	143.2	82		
YFBBP3200L1-6	18.5	37.6	980	90.0	0.83	176.6	84		
YFBBP3200L2-6	22	44.7	980	90.0	0.83	210	84		
YFBBP3225M-6	30	57.6	980	92.0	0.86	286.4	86		
YFBBP3250M-6	37	71.1	980	92.0	0.86	353.3	90		
YFBBP3280S-6	45	85.9	980	92.5	0.86	429.7	92		
YFBBP3280M-6	55	105	980	92.8	0.86	525.1	92		
YFBBP3315S-6	75	142	985	93.5	0.86	716.1	94		
YFBBP3315M-6	90	170	985	93.8	0.86	859.4	94		
YFBBP3315L1-6	110	207	985	94.0	0.86	1050.3	94		
YFBBP3315L2-6	132	245	985	94.2	0.87	1260.4	94		
YFBBP3355S-6	160	293	990	94.2	0.88	1527.8	96		
YFBBP3355M-6	200	365	990	94.5	0.88	1909.8	96		
YFBBP3355L-6	250	457	990	94,5	0.88	2387.2	96		
同步转速 Synchronous speed 750r/min									
YFBBP380M1-8	0.18	0.86	645	52.0	0.61	2.2	61	(3)5-50	50-60
YFBBP380M2-8	0.25	1.13	645	55.0	0.61	3.1	61		
YFBBP390S-8	0.37	1.44	670	63.0	0.62	4.7	63		
YFBBP390L-8	0.55	2.07	670	64.0	0.63	7	63		
YFBBP3100L1-8	0.75	2.36	680	71.0	0.68	9.5	66		
YFBBP3100L2-8	1.1	3.32	680	73.0	0.69	14	66		
YFBBP3112M-8	1.5	4.40	690	75.0	0.69	19.1	71		
YFBBP3132S-8	2.2	5.80	705	79.0	0.73	28	75		
YFBBP3132M-8	3	7.71	705	81.0	0.73	38.2	75		
YFBBP3160M1-8	4	10.3	720	81.0	0.73	50.1	78		
YFBBP3160M2-8	5.5	13.4	720	83.0	0.75	70	78		
YFBBP3160L-8	7.5	17.6	720	85.0	0.76	95.5	78		
YFBBP3180L-8	11	25.3	730	87.0	0.76	140.1	82		
YFBBP3200L-8	15	33.7	730	89.0	0.76	191.0	84		
YFBBP3225S-8	18.5	40.0	730	90.0	0.78	235.5	86		
YFBBP3225M-8	22	47.4	730	90.5	0.78	280.1	86		
YFBBP3250M-8	30	63.4	735	91.0	0.79	382	90		
YFBBP3280S-8	37	77.8	735	91.5	0.79	471.1	92		
YFBBP3280M-8	45	94.1	735	92.0	0.79	573	92		
YFBBP3315S-8	55	111	735	92.8	0.81	700.3	94		
YFBBP3315M-8	75	150	735	93.5	0.81	955	94		
YFBBP3315L1-8	90	180	735	93.8	0.81	1145.9	94		
YFBBP3315L2-8	110	217	735	94.0	0.82	1400.5	94		
YFBBP3355S-8	132	260	740	94.2	0.82	1680.6	96		
YFBBP3355M-8	160	315	740	94.2	0.82	2037.1	96		
YFBBP3355L-8	200	392	740	94.5	0.82	2546.4	96		
同步转速 Synchronous speed 600r/min									
YFBBP3315S-10	45	99.6	590	91.5	0.75	716.2	92	(3)5-50	50-60
YFBBP3315M-10	55	121	590	92.0	0.75	875.3	92		
YFBBP3315L1-10	75	162	590	92.5	0.76	1193.6	92		
YFBBP3315L2-10	90	191	590	93.0	0.77	1432.4	92		
YFBBP3355M1-10	110	230	590	93.2	0.78	1750.6	94		
YFBBP3355M2-10	132	275	590	93.5	0.78	2100.8	94		
YFBBP3355L-10	160	333	590	93.5	0.78	2546.4	94		

MOUNTING AND OVERALL DIMENSIONS
安装及外形尺寸

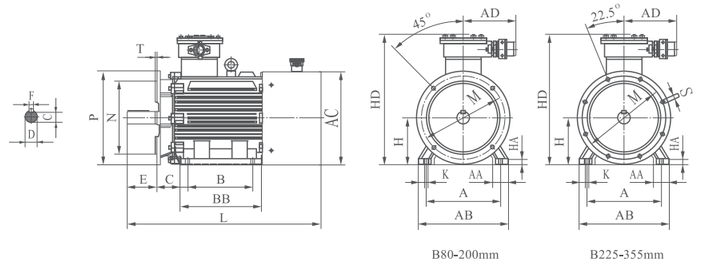
B3 (机座带底脚、端盖无凸缘)



B5 (机座不带底脚、端盖有凸缘)



B35 (机座带底脚、端盖有凸缘)



B80-200mm　　B225-355mm

机座 Frame	极数 Poles	安装尺寸 Mounting Dimension																外形尺寸 Overall Dimension							
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	凸缘孔数	AA	BB	HA	AB	AC	AD	HD	L
80M	2,4,6,8	125	100	50	19	40	6	15.5	80	10	165	130	200	0	12	35	4	34	130	10	160	165	175	300	410
90S	2,4,6,8	140	100	56	24	50	8	20	90	10	165	130	200	0	12	35	4	36	135	14	180	180	175	320	460
90L			125																155						485
100L	2,4,6,8	160	140	63	28	60	8	24	100	12	215	180	250	0	14.5	4	4	43	180	14	200	205	180	345	545
112M	2,4,6,8	190		70					112									50	180	16	245	230	195	360	600
132S	2,4,6,8	216	140	89	38	80	10	33	132	12	265	230	300	0	14.5	4	4	60	190	18	276	270	195	420	610
132M			178																230						650
160M	2,4,6,8	254	210	108	42	110	12	37	160	15	300	250	350	0	18.5	5	4	70	260	20	324	325	208	490	680
160L			254																310						765
180M	2,4,6,8	279	241	121	48	110	14	42.5	180	15	300	250	350	0	18.5	5	4	70	311	22	355	360	220	525	870
180L			279																349						890
200L	2,4,6,8	318	305	133	55	110	16	49	200	19	350	300	400	0	18.5	5	4	70	370	25	390	400	250	645	915
225S	4,8	356	286	149	60	140	18	53	225	19	400	350	450	0	18.5	5	8	75	355	28	431	450	250	690	955
225M	2		311		55	110	16	49											380						955
	4,6,8				60	140	18	53																	985
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	18.5	5	8	80	420	30	490	500	275	720	1025
	4,6,8				65			58																	
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	18.5	5	8	85	438	35	545	565	300	790	1215
	4,6,8				75		20	67.5																	
280M	2		419		65		18	58											489						1270
	4,6,8				75		20	67.5																	
315S	2	508	406	216	65	140	18	58	315	28	600	550	660	0	24	6	8	120	570	45	628	630	365	960	1280
	4,6,8,10				80	170	22	71																	1355
315M	2		457		65	140	18	58											680						1400
	4,6,8,10				80	170	22	71																	1475
315L	2		508		65	140	18	58																	1400
	4,6,8,10				80	170	22	71																	1475
355S	2	610	500	254	75	140	20	67.5	355	28	740	680	800	0	24	6	8	150	640	52	760	750	320	1080	1495
	4,6,8,10				95	170	25	86																	1565
355M	2		560		75	140	20	67.5											700						1575
	4,6,8,10				95	170	25	86																	1645
355L	2		630		75	140	20	67.5											770						1725
	4,6,8,10				95	170	25	86																	1755

MOTORS
SERIES PRODUCT
产品概述



YPT3变频调速三相异步电动机
YPT3 SERIES VARIABLE FREQUENCY CONTROL SPEED THREE-PHASE ASYNCHRONOUS INDUCTION MOTOR

概述

YPT3系列电机是可以采用变频器供电的三相异步电动机，是电机节能的一种典型应用，采用特殊的绝缘系统，使其能适用于变频器供电系统，一般额定电压380V，频率50Hz，5–50Hz为恒转矩，50–100Hz为恒功率，也可根据用户要求确定额定点的电压和频率，防护等级IP55、冷却方式IC416、安装方式符合IEC和DIN标准。

General Description

YPT3 series induction motor can be power supplied by transducer,it is a typical application in motor energy saving industry,using special insulation system,makes it applying to the power supply system by transducer. Generally rated voltage is 380V,frequency is 50Hz,delivering constant torque in 5-50Hz, delivering constant power in 50-100Hz, or also can be customized the rated voltage and frequency, protection grade is Ip55, cooling type: IC416,mounting type fits the standard of IEC and DIN.

型号说明 / Model description

YPT3 - 200L -- 4

- 极数：4极 Pole count: 4 poles
- 规格代号。表示中心高200mm，L机座
  Specification code: 200mm high,L stand
- 产品代号，表示异步电动机。变频系列
  Product code: represents asynchronous motor
  Variable frequency series

技术数据
TECHNICAL DATA

型号 Type	功率 Output (kW)	电压 Voltage (V)	电流 Current (A)	效率 Efficiency η(%)	额定转矩 Rated torque	调频范围 Hz	重量 Weight (kg)
YPT3-80M1-2	0.75	380	1.8	75.0	2.53	5~50Hz恒转矩调速，50~60Hz恒功率调速 Speed control for fixed torque output in 5~50Hz, Speed control for fixed power output in 50~60Hz	14
YPT3-80M2-2	1.1	380	2.6	76.2	3.71		16
YPT3-90S-2	1.5	380	3.4	78.5	5.04		19
YPT3-90L-2	2.2	380	4.7	81.0	7.40		24
YPT3-100L-2	3	380	6.3	82.6	10		29
YPT3-112M-2	4	380	8.2	84.2	13		43
YPT3-132S1-2	5.5	380	11.1	85.7	19		62
YPT3-132S2-2	7.5	380	14.7	87.0	25		67
YPT3-160M1-2	11	380	21.2	88.4	35.9		107
YPT3-160M2-2	15	380	28.3	89.4	48.9		115
YPT3-160L-2	18.5	380	34.7	90.0	60.3		132
YPT3-180M-2	22	380	41.0	90.5	71.5		172
YPT3-200L1-2	30	380	55.4	91.4	97		216
YPT3-200L2-2	37	380	67.9	92.0	120		235
YPT3-225M-2	45	380	82.1	92.5	145		284
YPT3-250M-2	55	380	99.8	93.0	177		362
YPT3-280S-2	75	380	133.8	93.6	241		485
YPT3-280M-2	90	380	160.0	93.9	289		524
YPT3-315S-2	110	380	195.4	94.0	353		900
YPT3-315M-2	132	380	230.7	94.5	423		1009
YPT3-315L1-2	160	380	279.3	94.6	513		1085
YPT3-315L2-2	200	380	348.4	94.8	641		1160
YPT3-355M-2	250	380	433.7	95.2	801		1832
YPT3-355L-2	315	380	545.0	95.4	1009		2500
YPT3-80M1-4	0.55	380	1.6	71.0	3.78	5~50Hz恒转矩调速，50~100Hz恒功率调速 Speed control for fixed torque output in 5~50Hz, Speed control for fixed power output in 50~100Hz	16
YPT3-80M2-4	0.75	380	2.1	73.0	5.15		17
YPT3-90S-4	1.1	380	2.8	76.2	7.50		20
YPT3-90L-4	1.5	380	3.7	78.5	10.2		25
YPT3-100L1-4	2.2	380	5.1	81.0	14.7		30
YPT3-100L2-4	3	380	6.7	82.6	20.0		34
YPT3-112M-4	4	380	8.8	84.2	26.5		43
YPT3-132S-4	5.5	380	11.7	85.7	36.5		63
YPT3-132M-4	7.5	380	15.6	87.0	49.7		74
YPT3-160M-4	11	380	22.5	88.4	72.0		115
YPT3-160L-4	15	380	30.0	89.4	98.1		130

TECHNICAL DATA
技术数据

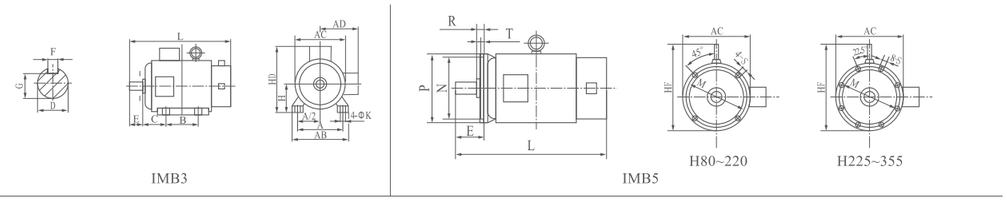
型号 Type	功率 Output (kW)	电压 Voltage (V)	电流 Current (A)	效率 Efficiency η(%)	额定转矩 Rated torque	调频范围 Hz	重量 Weight (kg)
YPT3-180M-4	18.5	380	36.3	90.0	120	5~50Hz恒转矩调速，50~100Hz恒功率调速 Speed control for fixed torque output in 5~50Hz, Speed control for fixed power output in 50~100Hz	180
YPT3-180L-4	22	380	42.9	90.5	143		182
YPT3-200L-4	30	380	58.0	91.4	195		268
YPT3-225S-4	37	380	70.2	92.0	239		276
YPT3-225M-4	45	380	85.0	92.5	290		311
YPT3-250M- 4	55	380	103.3	93.0	355		377
YPT3-280S-4	75	380	139.9	93.6	484		480
YPT3-280M-4	90	380	167.4	93.9	581		585
YPT3-315S-4	110	380	201.0	94.5	710		1000
YPT3-315M-4	132	380	240.4	94.8	846		1100
YPT3-315L1-4	160	380	287.8	94.9	1026		1120
YPT3-315L2-4	200	380	359.8	94.9	1282		1142
YPT3-355M1-4	220	380	394.5	95.2	1401		1520
YPT3-355M2-4	250	380	443.3	95.2	1602		1525
YPT3-355L-4	280	380	496.5	95.2	1783		1918
YPT3-355L1-4	315	380	558.6	95.2	2019		1775
YPT3-355L2-4	355	380	629.5	95.2	2260		2275
YPT3-400M1-4	400	380	723	95.5	2546		3000
YPT3-400M2-4	450	380	804	95.5	2884		3100
YPT3-400L1-4	500	380	893	95.5	3204		3200
YPT3-400L2-4	560	380	996	95.6	3589		3400
YPT3-400L3-4	630	380	1120	96.0	4038		3400
YPT3-90S-6	0.75	380	2.3	69.0	7.87		21
YPT3-90L-6	1.1	380	3.2	72.0	11.5		23
YPT3-100L-6	1.5	380	4.0	76.0	15.2		30
YPT3-112M-6	2.2	380	5.6	79.0	22.4		40
YPT3-132S-6	3	380	7.4	81.0	29.8		54
YPT3-132M1-6	4	380	9.8	82.0	39.8		62
YPT3-132M2-6	5.5	380	12.9	84.0	54.7		75
YPT3-160M-6	7.5	380	17.2	86.0	73.8		109
YPT3-160L-6	11	380	24.5	87.5	108		135
YPT3-180L-6	15	380	31.0	89.0	148		170
YPT3-200L1-6	18.5	380	38.6	90.0	182		207
YPT3-200L2-6	22	380	44.7	90.0	217		222
YPT3-225M-6	30	380	59.3	91.5	292		290

上力电机 Shangli motor

YPT3-80~355 50Hz 技术数据
TECHNICAL DATA

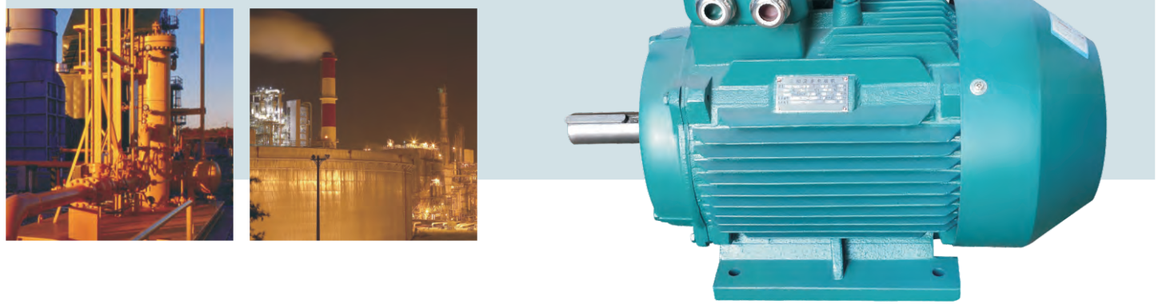
型号 Type	功率 Output (kW)	电压 Voltage (V)	电流 Current (A)	效率 Efficiency η(%)	额定转矩 Rated torque	调频范围 Hz	重量 Weight (kg)
YPT3-250M-6	37	380	71.1	92.0	361	5~50Hz恒转矩调速，50~100Hz恒功率调速 Speed control for fixed torque output in 5~50Hz, Speed control for fixed power output in 50~100Hz	355
YPT3-280S-6	45	380	85.9	92.5	439		460
YPT3-280M-6	55	380	104.7	92.8	536		511
YPT3-315S-6	75	380	141.7	93.5	723		870
YPT3-315M-6	90	380	169.5	93.8	868		900
YPT3-315L1-6	110	380	206.7	94.0	1061		1004
YPT3-315L2-6	132	380	244.7	94.2	1273		1024
YPT3-355M1-6	160	380	292.3	94.5	1543		1460
YPT3-355M2-6	185	380	338.0	94.5	1767		1360
YPT3-355M3-6	200	380	367.0	94.5	1929		1650
YPT3-355L1-6	220	380	402.7	94.5	2101		1700
YPT3-355L3-6	250	380	456.4	94.5	2412		1800
YPT3-400M 1-6	315	380	574	95.8	3008		3000
YPT3-400M2-6	355	380	647	95.8	3390		3100
YPT3-400L-6	400	380	719	96.0	3820		3200
YPT3-132S-8	2.2	380	6.0	78.0	30		63
YPT3-132M-8	3	380	7.9	79.0	40		79
YPT3-160M1-8	4	380	10.3	81.0	53		118
YPT3-160M2-8	5.5	380	13.6	83.0	73		119
YPT3-160L-8	7.5	380	17.8	85.5	100		138
YPT3-180L-8	11	380	25.1	87.5	146		185
YPT3-200L-8	15	380	34.1	88.0	196		215
YPT3-225S-8	18.5	380	41.1	90.0	242		264
YPT3-225M-8	22	380	47.4	90.5	288		285
YPT3-250M-8	30	380	63.4	91.0	392		372
YPT3- 280S-8	37	380	77.8	91.5	478		470
YPT3-280M-8	45	380	94.1	92.0	581		540
YPT3-315S-8	55	380	111.2	92.8	710		790
YPT3-315M-8	75	380	151.3	93.0	968		945
YPT3-315L1-8	90	380	177.8	93.8	1161		1025
YPT3-315L2-8	110	380	216.8	94.0	1420		1130
YPT3-355M2-8	132	380	261.0	93.7	1704		1550
YPT3-355M3-8	160	380	314.7	94.2	2065		1570
YPT3-355L2-8	185	380	363.1	94.4	2356		1600
YPT3-355L3-8	200	380	387.4	94.5	2581		1680

MOUNTING AND OVERALL DIMENSIONS
安装及外形尺寸



机座 Frame	极数 Poles	安装尺寸 Mounting Dimension															外形尺寸 Overall Dimension					
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	HF	L
80M		125	100	50	19	40	6	15.5	80	10	165	130	200	0	12	3.5	165	175	145	220	245	370
90S		140	100	56	24	50	8	20	90	10	165	130	200	0	12	3.5	180	195	165	260	265	430
90L		140	125	56	24	50	8	20	90	10	165	130	200	0	12	3.5	180	195	165	260	265	460
100L		160	140	63	28	60	8	24	100	12	215	180	250	0	14.5	4	205	215	180	270	305	500
112M		190	140	70	28	60	8	24	112	12	215	180	250	0	14.5	4	230	240	200	300	265	450
132S	2	216	140	89	38	80	10	33	132	12	265	230	300	0	14.5	4	270	275	230	345	315	515
132M	4	216	178	89	38	80	10	33	132	12	265	230	300	0	14.5	4	270	275	230	345	315	555
160M	6	254	210	108	42	110	12	37	160	14.5	300	250	350	0	18.5	5	320	330	260	420	385	665
160L		254	254	108	42	110	12	37	160	14.5	300	250	350	0	18.5	5	320	330	260	420	385	725
180M		279	241	121	48	110	14	42.5	180	14.5	300	250	350	0	18.5	5	355	380	285	455	430	715
180L		279	279	121	48	110	14	42.5	180	14.5	300	250	350	0	18.5	5	355	380	285	455	430	765
200L		318	305	133	55	110	16	49	200	18.5	350	300	400	0	18.5	5	395	420	320	505	480	790
225S	4	356	286	149	60	140	18	53	225	18.5	400	350	450	0	18.5	5	435	470	350	560	535	895
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	450	0	18.5	5	435	470	350	560	535	890
	4、6				60	140	18	53	225													920
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	18.5	5	490	510	390	615	595	980
	4、6				65	140	18	58	250													
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	18.5	5	550	580	435	680	650	1045
	4、6				75	140	20	67.5	280													
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0	18.5	5	550	580	435	680	650	1075
	4、6				75	140	20	67.5	280													
315S	2	508	406	216	60	140	18	58	315	28	600	550	660	0	24	6	635	645	530	845	–	1230
	4、6				80	170	22	71	315													1270
315M	2	508	457	216	65	140	18	58	315	28	600	550	660	0	24	6	635	645	530	845	–	1340
	4、6				80	170	22	71	315													1370
315L	2	508	508	216	65	140	18	58	315	28	600	550	660	0	24	6	635	645	530	845	–	1340
	4、6				80	170	22	71	315													1370
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	0	24	6	730	710	665	1010	–	1510
	4、6				95	170	25	86	355													1550
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	24	6	730	710	665	1010	–	1510
	4、6				95	170	25	86	355													1550
3551	2	630	800	224	80	170	22	71	355	35	840	780	900	0	24	6	760	770	760	1130	–	1920
3552	4、6				110	210	28	100	355													1970
400	4、6	685	630/710	280	110	210	28	100	400	35	940	880	1000	0	28	6	806	856	700	1100	–	2080

MOTORS SERIES PRODUCT
产品概述



YE3系列超高效率三相异步电动机
YE3 SERIES HIGH EFFICIENCY THREE PHASE ASYNCHRONOUS MOTOR

概述

YE3系列超高效率三相异步电动机是采用新材料、新工艺和优化设计而制造的全封闭、自扇冷鼠笼三相异步电动机。是新一代节能电动机。

YE3系列电动机中心高H80–355，功率从0.75–375 kW，极数为2、4、6极。

YE3系列电动机防护等级为IP55，冷却方式为IC411，安装尺寸符合IEC标准。额定电压为380V、400V，额定频率为50Hz。工作环境温度–15℃~40℃，海拔不超过1000米。工作方式：连续S1。

YE3系列超高效率三相异步电动机具有效率高，起动转矩大，噪声低，结构更加合理。冷却散热好，本系列电动机为一般用途的三相异步电动机，可用于驱动各种通用机械设备，如压缩机、风机、水泵等机械设备，也可在石油、化工、医药、矿山及其它(如环境使用条件特殊，请与设计人员联系)。

该系列电动机效率指标应不低于IEC60034–30标准中的IE3的数值及GB18613–2020中的能效3级数值。

General Description

YE3 series high efficiency three phase asynchronous motor is to use the new material, new process and optimize the design and manufacture of fully enclosed, since the fan cold squirrel-cage three-phase asynchronous motor. Is a new generation of energy-saving motor.

YE3 center high H80-355 series motor, power from 0.75-375 kw, the number of 2, 4, 6.

YE3 series motor protection grade is IP55, cooling way for IC411, installation dimensions conform to the IEC standard. Rated voltage of 380v, 400v, rated frequency 50 Hz. Working environment temperature 15 ℃ to 40 ℃, no more than 1000 meters above sea level. Work style: continuous S1.

YE3 series high efficiency three phase asynchronous motor has high efficiency, large starting torque, low noise, structure more reasonable. Cooling heat dissipation is good, this series motor is a general-purpose three-phase asynchronous motor, can be used to drive all kinds of general machinery equipment, mechanical equipment, such as compressor, fan, water pump, can also be used in petroleum, chemical, pharmaceutical, mining and other (such as special environmental conditions of use, please contact the designer).

This series of motor efficiency indicators shall be not less than the IE3 IEC60034-30 standard value and efficiency of GB18613-2020 grade 3 values.

型号说明 / Model description

YE3 315 L2 - 4 200kW IP55

- YE3 — 电动机系列 Series code
- 315 — 电动机中心高 Frame size
- L2 — 铁芯长 Core length code
- 4 — 电动机极数 Pole number
- 200kW — 电动机功率 Output (kW)
- IP55 — 防护等级 Protection level

TECHNICAL DATA

技术数据

型 号 Type	功率 Output		转速 Speed r/min	电流 Current A		频率 Frequenc (HZ)	效率 Eff. %	功率因数 P.F cosΦ	额定转矩 TN N.m	堵转转距 / 额定转距 Tst / TN	最大转距 / 额定转距 Tmax. / TN	堵转电流 / 额定电流 Tst / IN	惯量 Moment (J) kgm²	噪声 Noise dB(A)	重量 Weight kg
	kW	HP		380V	400V										
YE3-80M1-2P	0.75	1	2885	1.7	1.6	50	80.7	0.82	2.48	2.3	2.3	7.0	0.0010	62	15
YE3-80M2-2P	1.1	1.5	2885	2.4	2.3	50	82.7	0.83	3.64	2.2	2.3	7.3	0.0013	62	18
YE3-90S-2P	1.5	2	2895	3.2	3.0	50	84.2	0.84	4.95	2.2	2.3	7.6	0.0021	67	23
YE3-90L-2P	2.2	3	2900	4.6	4.4	50	85.9	0.85	7.24	2.2	2.3	7.6	0.0028	67	28
YE3-100L-2P	3	4	2890	6.0	5.7	50	87.1	0.87	9.91	2.2	2.3	7.8	0.0046	74	39
YE3-112M-2P	4	5.5	2900	7.8	7.4	50	88.1	0.88	13.17	2.2	2.3	8.3	0.0074	77	49
YE3-132S1-2P	5.5	7.5	2925	10.6	10.1	50	89.2	0.88	17.96	2.0	2.3	8.3	0.0145	79	68
YE3-132S2-2P	7.5	10	2925	14.4	13.7	50	90.1	0.88	24.49	2.0	2.3	7.9	0.0176	79	75
YE3-160M1-2P	11	15	2945	20.6	19.6	50	91.2	0.89	35.67	2.0	2.3	8.1	0.0513	81	130
YE3-160M2-2P	15	20	2950	27.9	26.5	50	91.9	0.89	48.56	2.0	2.3	8.1	0.0654	81	132
YE3-160L-2P	18.5	25	2945	34.2	32.5	50	92.4	0.89	59.99	2.0	2.3	8.2	0.0760	81	151
YE3-180M-2P	22	30	2955	40.5	38.5	50	92.7	0.89	71.1	2.0	2.3	8.2	0.1183	83	209.5
YE3-200L1-2P	30	40	2965	54.9	52.2	50	93.3	0.89	96.63	2.0	2.3	7.6	0.1649	84	246
YE3-200L2-2P	37	50	2965	67.4	64.0	50	93.7	0.89	119.17	2.0	2.3	7.6	0.1945	84	265
YE3-225M-2P	45	60	2965	80.8	76.8	50	94.0	0.90	144.94	2.0	2.3	7.7	0.3097	86	345
YE3-250M-2P	55	75	2970	98.5	93.6	50	94.3	0.90	176.85	2.0	2.3	7.7	0.4168	89	422
YE3-280S-2P	75	100	2975	133.7	127.0	50	94.7	0.90	240.76	1.8	2.3	7.1	0.6849	91	527
YE3-280M-2P	90	125	2975	159.9	151.9	50	95.0	0.90	288.91	1.8	2.3	7.1	0.8015	91	578
YE3-315S-2P	110	150	2980	195.1	185.3	50	95.2	0.90	352.52	1.8	2.3	7.1	1.5305	92	957
YE3-315M-2P	132	180	2975	233.6	221.9	50	95.4	0.90	423.73	1.8	2.3	7.1	1.7253	92	987
YE3-315L1-2P	160	220	2975	279.4	265.4	50	95.6	0.91	513.61	1.8	2.3	7.2	2.0592	92	1153
YE3-315L2-2P	200	270	2975	348.6	331.2	50	95.8	0.91	642.02	1.8	2.2	7.2	2.5045	92	1347
YE3-355M-2P	250	340	2980	435.7	413.9	50	95.8	0.91	801.17	1.6	2.2	7.2	3.1254	100	1655
YE3-355L-2P	315	430	2980	543.0	515.9	50	95.8	0.91	1009.48	1.6	2.2	7.2	3.7504	100	1838
YE3-3551-2P	355	425	2980	618.7	587.8	50	95.8	0.91	1130.1	1.6	2.2	7.2	4.1254	104	2164
YE3-3552-2P	375	500	2980	653.9	620.9	50	95.8	0.91	1193.8	1.6	2.2	7.2	4.50048	104	2235
YE3-80M2-4P	0.75	1	1435	1.8	1.7	50	82.5	0.75	4.99	2.3	2.3	6.6	0.0023	56	19
YE3-90S-4P	1.1	1.5	1435	2.6	2.5	50	84.1	0.76	7.32	2.3	2.3	6.8	0.0037	59	24
YE3-90L-4P	1.5	2	1435	3.5	3.3	50	85.3	0.77	9.98	2.3	2.3	7.0	0.0048	59	29
YE3-100L1-4P	2.2	3	1450	4.8	4.6	50	86.7	0.81	14.49	2.3	2.3	7.6	0.0090	64	37
YE3-100L2-4P	3	4	1450	6.3	6.0	50	87.7	0.82	19.76	2.3	2.3	7.6	0.0120	64	41
YE3-112M-4P	4	5.5	1455	8.4	8.0	50	88.6	0.82	26.25	2.2	2.3	7.8	0.0175	65	53
YE3-132S-4P	5.5	7.5	1460	11.2	10.6	50	89.6	0.83	35.98	2.0	2.3	7.9	0.0350	71	69
YE3-132M-4P	7.5	10	1460	15.0	14.3	50	90.4	0.84	49.06	2.0	2.3	7.5	0.0447	71	81
YE3-160M-4P	11	15	1470	21.5	20.4	50	91.4	0.85	71.46	2.2	2.3	7.7	0.0974	73	126
YE3-160L-4P	15	20	1470	28.8	27.4	50	92.1	0.86	97.12	2.2	2.3	7.8	0.1239	73	147
YE3-180M-4P	18.5	25	1475	35.3	33.5	50	92.6	0.86	119.78	2.0	2.3	7.8	0.1811	76	203
YE3-180L-4P	22	30	1475	41.8	39.7	50	93.0	0.86	142.44	2.0	2.3	7.8	0.2242	76	227

型 号 Type	功率 Output		转速 Speed r/min	电流 Current A		频率 Frequenc (HZ)	效率 Eff. %	功率因数 P.F cosΦ	额定转矩 TN N.m	堵转转距 / 额定转距 Tst / TN	最大转距 / 额定转距 Tmax. / TN	堵转电流 / 额定电流 Tst / IN	惯量 Moment (J) kgm²	噪声 Noise dB(A)	重量 Weight kg
	kW	HP		380V	400V										
YE3-200L-4P	30	40	1475	56.6	53.8	50	93.6	0.86	194.24	2.0	2.3	7.3	0.3631	76	290
YE3-225S-4P	37	50	1480	69.6	66.1	50	93.9	0.86	238.75	2.0	2.3	7.4	0.5589	78	332
YE3-225M-4P	45	60	1480	84.4	80.2	50	94.2	0.86	290.37	2.0	2.3	7.4	0.6351	78	353
YE3-250M-4P	55	75	1485	102.7	97.6	50	94.6	0.86	353.7	2.2	2.3	7.4	0.8994	79	476
YE3-280S-4P	75	100	1485	136.3	129.5	50	95.0	0.88	482.32	2.0	2.3	6.9	1.6251	80	615
YE3-280M-4P	90	125	1485	163.2	155.0	50	95.2	0.88	578.79	2.0	2.3	6.9	1.9672	80	675
YE3-315S-4P	110	150	1485	196.8	187.0	50	95.4	0.89	707.41	2.0	2.2	7.0	3.2735	88	1012
YE3-315M-4P	132	180	1485	235.7	223.9	50	95.6	0.89	848.89	2.0	2.2	7.0	3.6959	88	1061
YE3-315L1-4P	160	220	1485	285.1	270.8	50	95.8	0.89	1028.96	2.0	2.2	7.1	4.2239	88	1153
YE3-315L2-4P	200	270	1485	351.7	334.1	50	96.0	0.90	1286.2	2.0	2.2	7.1	5.9135	88	1603
YE3-355M-4P	250	340	1490	439.6	417.6	50	96.0	0.90	1602.35	2.0	2.2	7.1	9.6762	95	1933
YE3-355L-4P	315	430	1490	553.9	526.2	50	96.0	0.90	2018.96	2.0	2.2	7.1	10.5721	95	1933
YE3-3551-4P	355	475	1490	638.5	606.5	50	96.0	0.88	2260.2	1.7	2.2	7.0	11.6290	102	2214
YE3-3552-4P	375	500	1490	674.4	640.7	50	96.0	0.88	2387.5	1.7	2.2	7.0	12.4750	102	2285
YE3-90S-6P	0.75	1	955	2.0	1.9	50	78.9	0.71	7.50	2.0	2.1	6.0	0.0048	57	25
YE3-90L-6P	1.1	1.5	955	2.8	2.7	50	81.0	0.73	11.0	2.0	2.1	6.0	0.0071	57	30
YE3-100L-6P	1.5	2	955	3.8	3.6	50	82.5	0.73	15.0	2.0	2.1	6.5	0.0126	61	38
YE3-112M-6P	2.2	3	950	5.4	5.1	50	84.3	0.74	22.12	2.0	2.1	6.6	0.0191	65	48
YE3-132S-6P	3	4	970	7.2	6.8	50	85.6	0.74	29.54	2.0	2.1	6.8	0.0357	69	64
YE3-132M1-6P	4	5.5	970	9.5	9.0	50	86.8	0.74	39.38	2.0	2.1	6.8	0.0477	69	75
YE3-132M-6P	5.5	7.5	970	12.7	12.1	50	88.0	0.75	54.15	2.0	2.1	7.0	0.0630	69	85
YE3-160M-6P	7.5	10	975	16.2	15.4	50	89.1	0.79	73.46	2.0	2.1	7.0	0.1119	73	115
YE3-160L-6P	11	15	975	23.1	21.9	50	90.3	0.80	107.74	2.0	2.1	7.2	0.1492	73	135
YE3-180L-6P	15	20	980	30.9	29.4	50	91.2	0.81	146.17	2.0	2.1	7.3	0.2574	73	186
YE3-200L1-6P	18.5	25	980	37.8	35.9	50	91.7	0.81	180.28	2.0	2.1	7.3	0.3881	73	236
YE3-200L2-6P	22	30	980	44.8	42.6	50	92.2	0.81	214.39	2.0	2.1	7.4	0.4478	73	254
YE3-225M-6P	30	40	985	59.1	56.1	50	92.9	0.83	290.86	2.0	2.1	6.9	0.6342	74	297.5
YE3-250M-6P	37	50	985	71.7	68.1	50	93.3	0.84	358.73	2.0	2.1	7.1	1.0787	76	371
YE3-280S-6P	45	60	985	85.8	81.5	50	93.7	0.85	436.29	2.0	2.0	7.3	1.7050	78	518
YE3-280M-6P	55	75	985	103.3	98.1	50	94.1	0.86	533.25	2.0	2.0	7.3	2.0619	78	670
YE3-315S-6P	75	100	990	143.4	136.2	50	94.6	0.84	723.48	2.0	2.0	6.6	3.9210	83	877
YE3-315M-6P	90	125	990	169.5	161.0	50	94.9	0.85	868.18	2.0	2.0	6.7	4.2711	83	1008
YE3-315L1-6P	110	150	990	206.8	196.5	50	95.1	0.85	1061.11	2.0	2.0	6.7	5.4614	83	1057
YE3-315L2-6P	132	180	990	244.4	232.2	50	95.4	0.86	1273.33	2.0	2.0	6.8	6.5817	83	1161
YE3-355M1-6P	160	220	990	295.7	280.9	50	95.6	0.86	1543.43	1.8	2.0	6.8	10.3039	85	1798
YE3-355M2-6P	200	270	990	364.6	346.4	50	95.8	0.87	1929.29	1.8	2.0	6.8	11.7758	85	1854
YE3-355L-6P	250	340	990	455.7	432.9	50	95.8	0.87	2411.62	1.8	2.0	6.8	15.2860	85	2176
YE3-3552-6P	315	355	990	580.9	551.9	50	95.8	0.86	3008.25	1.8	2.0	6.8	16.7146	91	2425

MOTORS
SERIES PRODUCT
产品概述







YE4系列高效率三相异步电动机
YE4 SERIES HIGH EFFICIENCY THREE PHASE ASYNCHRONOUS MOTOR

概述

YE4系列超高效率三相异步电动机是我公司自行开发设计的全封闭自扇冷式三相异步电动机。效率指标符合GB18613–2020《中小型三相异步电动机能效限定值及能效等级》中的2级效率的规定，其效率指标与IEC60034–31的附录A中的推荐表(IE4)保持一致。

本系列电动机机座号范围为80~ 355，功率等级和安装尺寸符合GB/T4772.1/IEC60072–1和GB/T4772.2/IEC60072–2标准的规定。

General Description

YE4 series high efficiency three phase asynchronous motor is our self -developed design of totally enclosed fan cooled three-phase asynchronous motor. The efficiency of Index operator s GB18613-2020 "small and medium sized three-phase asynchronous motor limited value of energy efficiency and energy efficiency grade" the provisions of the I level of efficiency, the efficiency indicators and IEC60034 - in appendix A recommended list of 31 (Ie4).

This series motor frame number range of 80 ~ 355, power rating and installation size and in line with the GB/T4772.1 / IEC60072-1GB/T4772.2 I EC60072-2 the provisions of the standard.

产品特点

a) 电动机主接线盒位于机座的顶部，可以左右出线，满足用户不同出线方式的要求；
b) 机座号160 及以上电机，可以根据用户需要提供定子测温装置、轴承测温装置、加热器、不停机注排油装置；
c) 接线盒、机座、端盖和风罩的外形美观、样式新颖，并且有利于降噪和通风；
d) 电动机采用热分级为155（F ）级绝缘系统，从而延长电机的使用寿命；
e) 电动机工作制为SI，冷却方式为IC411，外壳防护等级为1P55 ；
f) 适用于各种应用场合，如:“W”、“TH”、“WTH”、“F1”、“F”、“WF1”及“WF2”，其中：W为户外防轻腐蚀；TH为湿热；WTH为户外湿热；F1为户内防中等防腐；F2为户内防强腐蚀；WF1为户外防中等腐蚀；WF2为户外防强腐蚀；
g) 为了方便连接负载，在电动机轴伸端面均预留有C型中心孔；
h) 优良的起动特性；
i) 电动机的高质量保证了很高的运行可靠性；
j) 高效、节能、安全、环保。

Product features

A) Eectric main junction box located at the top of the stand, can control line, to meet the requirements of the users to different ways of qualification;
B) The motor frame size 160 and above, can according to user needs to provide the stator temperature measuring device, bearing temperature measuring device, heater, constantly Machine note oil discharge device;
C) Junction box, frame, the beautiful appearance, novel style of end cover and wind cover, and is good for noise reduction and ventilation;
D) Motor adopts thermal class is 155 (F) insulation system, so as to prolong the service life of the motor;
E) Motor work week for SI, cooling way for IC411, 1 p55 protection grade;
F) Is suitable for various applications, such as: the "W", "TH", "WTH" and "F1", "f", "WF1" and "WF2",among them: W for outdoor light corrosion prevention; TH is hot and humid; WTH the outdoor hot and humid; F1 for indoor medium corrosion prevention; F2 for indoor strong corrosion prevention the corrosion; WF1 medium corrosion prevention for the outdoors; WF2 strong corrosion prevention for the outdoors;
G) For the convenience of connected load, the motor shaft extension end C center hole is reserved;
H) Excellent starting characteristic;
I) The high quality of the motor to ensure the high reliability;
J) High efficiency, energy saving, safety and environmental protection.

上力电机
Shangli motor

技术数据
TECHNICAL DATA

型号 Type	额定 Rated 功率 Output (kW)	电流 Current (380V) (A)	转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	堵转转矩 额定转矩 Locket torque / Rated torque	堵转电流 额定电流 Locket current / Rated current	最大转矩 额定转矩 Pull out torque / Rated torque	噪声 Noise (Lw)	转动惯量 Inertia movement	重量 Weight (kg)
同步转速 Synchronous speed 3000r/min											
YE4-80M1-2	0.75	1.6	2825	83.5	0.83	2.1	8.5	2.3	67	0.005	20
YE4-80M2-2	1.1	2.4	2825	85.2	0.83	2.1	8.5	2.3	67	0.007	23
YE4-90S-2	1.5	3.1	2840	86.5	0.85	2.1	9	2.3	72	0.009	29
YE4-90L-2	2.2	4.4	2840	88	0.86	2	9	2.3	72	0.017	35
YE4-100L-2	3	5.9	2880	89.1	0.87	1.9	9.5	2.3	76	0.030	45
YE4-112M-2	4	7.7	2890	90	0.88	1.9	9.5	2.3	77	0.063	55
YE4-132S1-2	5.5	10.4	2900	90.9	0.88	1.9	9.5	2.3	80	0.073	77
YE4-132S2-2	7.5	14.0	2900	91.7	0.89	1.9	9.5	2.3	80	0.21	85
YE4-160M1-2	11	20.2	2930	92.6	0.89	1.9	9.5	2.3	86	0.31	130
YE4-160M2-2	15	27.4	2930	93.3	0.89	1.9	9.5	2.3	86	0.37	140
YE4-160L-2	18.5	33.7	2930	93.7	0.89	1.9	9.5	2.3	86	0.63	150
YE4-180M-2	22	40.0	2940	94	0.89	1.9	9.5	2.3	88	0.73	222
YE4-200L1-2	30	54.2	2950	94.5	0.89	2.0	9	2.3	90	1.28	264
YE4-200L2-2	37	66.6	2950	94.8	0.89	2.0	9	2.3	90	1.55	280
YE4-225M-2	45	80.9	2970	95	0.89	2.0	9	2.3	92	1.89	335
YE4-250M-2	55	98.5	2970	95.3	0.89	2.0	9	2.3	93	2.02	415
YE4-280S-2	75	133.9	2970	95.6	0.89	1.8	8.5	2.3	94	2.26	575
YE4-280M-2	90	160.4	2970	95.8	0.89	1.8	8.5	2.3	94	2.42	615
YE4-315S-2	110	195.6	2980	96	0.89	1.8	8.5	2.2	96	2.726	940
YE4-315M-2	132	234.2	2980	96.2	0.89	1.8	8.5	2.2	96	3.22	1015
YE4-315L1-2	160	283.6	2980	96.3	0.89	1.8	8.5	2.2	98	3.41	1080
YE4-315L2-2	200	353.8	2980	96.5	0.89	1.8	8.5	2.2	98	3.86	1135
YE4-355S1-2	(185)	327.3	2980	96.5	0.89	1.6	8.5	2.2	98	4.82	1446
YE4-355S2-2	(200)	353.8	2980	96.5	0.89	1.6	8.5	2.2	98	5.46	1446
YE4-355M1-2	(220)	389.2	2980	96.5	0.89	1.6	8.5	2.2	100	6.22	1650
YE4-355M2-2	250	432.6	2980	96.5	0.91	1.6	8.5	2.2	100	6.54	1650
YE4-355L1-2	(280)	484.5	2980	96.5	0.91	1.6	8.5	2.2	100	6.95	1705
YE4-355L2-2	315	545.0	2980	96.5	0.91	1.6	8.5	2.2	100	7.06	1830
同步转速 Synchronous speed 1500r/min											
YE4-80M1-4	0.55	1.3	1390	83.9	0.74	2.2	8.5	2.3	58	0.007	23
YE4-80M2-4	0.75	1.8	1390	85.7	0.74	2.2	8.5	2.3	58	0.012	25
YE4-90S-4	1.1	2.6	1400	87.2	0.75	2.2	8.5	2.3	61	0.015	35
YE4-90L-4	1.5	3.4	1400	88.2	0.76	2.2	9	2.3	61	0.031	40
YE4-100L1-4	2.2	4.7	1420	89.5	0.79	2.2	9	2.3	64	0.039	49
YE4-100L2-4	3	6.3	1420	90.4	0.8	2.2	9.5	2.3	64	0.059	55
YE4-112M-4	4	8.3	1440	91.1	0.8	2.2	9.5	2.3	65	0.113	66
YE4-132S4	5.5	11.4	1440	91.9	0.8	2.0	9.5	2.3	71	0.167	88
YE4-132M-4	7.5	15.2	1440	92.6	0.81	2.0	9.5	2.3	71	0.36	108
YE4-160M-4	11	21.6	1460	93.3	0.83	2.2	9.5	2.3	75	0.42	145
YE4-160L-4	15	28.9	1460	93.9	0.84	2.2	9.5	2.3	75	0.68	166
YE4-180M-4	18.5	35.1	1470	94.2	0.85	2.2	9.5	2.3	76	0.72	220
YE4-180L-4	22	41.6	1470	94.5	0.85	2.2	9.5	2.3	76	0.81	240
YE4-200L-4	30	56.5	1470	94.9	0.85	2.2	9	2.3	79	1.21	260
YE4-225S-4	37	69.5	1480	95.2	0.85	2.2	9	2.3	81	1.85	335
YE4-225M-4	45	84.3	1480	95.4	0.85	2.2	9	2.3	81	2.32	360
YE4-250M-4	55	101.5	1480	95.7	0.86	2.2	9	2.3	83	2.86	465
YE4-280S-4	75	136.4	1480	96	0.87	2.2	8.5	2.3	86	3.34	630
YE4-280M-4	90	161.7	1485	96.1	0.88	2.2	8.5	2.3	86	4.68	710
YE4-315S-4	110	195.0	1485	96.3	0.89	2.2	8.5	2.2	93	4.96	985
YE4-315M-4	132	233.8	1485	96.4	0.89	2.2	8.5	2.2	93	5.22	1080
YE4-315L1-4	160	279.6	1485	96.6	0.90	2.2	8.5	2.2	94	5.43	1105
YE4-315L-4	(185)	323.0	1485	96.7	0.90	2.2	8.5	2.2	94	5.62	1205
YE4-315L2-4	200	349.2	1485	96.7	0.90	2.2	8.5	2.2	94	6.45	1205
YE4-355S1-4	(185)	323.0	1488	96.7	0.90	2.2	8.5	2.2	94	6.56	1324
YE4-355S2-4	(200)	349.2	1488	96.7	0.90	2.2	8.5	2.2	94	6.88	1397
YE4-355M1-4	(220)	384.1	1488	96.7	0.90	2.2	8.5	2.2	95	7.22	1507
YE4-355M2-4	250	436.5	1488	96.7	0.90	2.2	8.5	2.2	95	7.46	1685
YE4-355L1-4	(280)	488.8	1488	96.7	0.90	2.2	8.5	2.2	95	7.68	1718
YE4-355L2-4	315	549.9	1488	96.7	0.90	2.2	8.5	2.2	95	7.8	1780

注：带（ ）为不推荐的规格 The specifications of the belt ( ) is not recommended

TECHNICAL DATA
技术数据

型号 Type	额定 Rated 功率 Output (kW)	电流 Current (380V) (A)	转速 Syncspeed (r/min)	效率 Eff (%)	功率因数 Power factor COS ϕ	堵转转矩 额定转矩 Locket torque Rated torque	堵转电流 额定电流 Locket current Rated current	最大转矩 额定转矩 Pull out torque Rated torque	噪声 Noise (Lw)	转动惯量 Inertia movement	重量 Weight (kg)
同步转速 Synchronous speed 1000r/min											
YE4-80M1-6	0.37	1.0	931	78	0.7	1.9	7.5	2	54	0.007	23
YE4-80M2-6	0.55	1.4	933	80.9	0.72	1.9	7.5	2.1	54	0.012	25
YE4-90S-6	0.75	2.0	938	82.7	0.7	2.1	7.5	2.1	57	0.015	33
YE4-90L-6	1.1	2.8	938	84.5	0.7	2.1	7.5	2.1	57	0.031	39
YE4-100L-6	1.5	3.7	941	85.9	0.71	2.1	7.5	2.1	61	0.043	49
YE4-112M-6	2.2	5.4	964	87.4	0.71	2.1	7.5	2.1	65	0.42	58
YE4-132S-6	3	7.2	979	88.6	0.71	2.0	7.5	2.1	69	0.68	75
YE4-132M1-6	4	9.4	979	89.5	0.72	2.0	8	2.1	69	0.072	93
YE4-132M2-6	5.5	12.8	979	90.5	0.72	2.0	8	2.1	69	0.81	106
YE4-160M-6	7.5	16.4	983	91.3	0.76	2.1	8	2.1	73	1.21	127
YE4-160L-6	11	23.5	984	92.3	0.77	2.1	8.5	2.1	73	1.32	147
YE4-180L-6	15	30.7	988	92.9	0.80	2.0	8.5	2.1	73	1.62	215
YE4-200L1-6	18.5	37.6	990	93.4	0.80	2.1	8.5	2.1	76	1.84	248
YE4-200L2-6	22	44.0	990	93.7	0.81	2.1	8.5	2.1	76	2.43	278
YE4-225M-6	30	59.0	991	94.2	0.82	2.0	8.3	2.1	76	2.68	325
YE4-250M-6	37	71.7	993	94.5	0.83	2.1	8.3	2.1	78	3.46	440
YE4-280S-6	45	86.9	994	94.8	0.83	2.1	8.5	2.0	80	3.97	550
YE4-280M-6	55	104.6	995	95.1	0.84	2.1	8.5	2.0	80	4.57	690
YE4-315S-6	75	142.2	995	95.4	0.84	2.0	8	2.0	85	4.83	920
YE4-315M-6	90	168.3	995	95.6	0.85	2.0	8	2.0	85	5.32	1060
YE4-315L1-6	110	205.2	995	95.8	0.85	2.0	8	2.0	85	5.95	1172
YE4-315L2-6	132	242.9	995	96.0	0.86	2.0	8	2.0	85	7.32	1180
YE4-355S-6	160	293.8	995	96.2	0.86	2.0	8	2.0	92	7.89	1690
YE4-355M1-6	(185)	336.6	995	96.0	0.87	2.0	8	2.0	92	8.17	1754
YE4-355M2-6	200	366.9	996	96.3	0.86	2.0	8	2.0	92	8.25	1790
YE4-355L1-6	(220)	399.8	996	96.1	0.87	2.0	8	2.0	92	8.36	1866
YE4-355L2-6	250	457.7	996	96.5	0.86	2.0	8	2.0	92	8.38	2045
同步转速 Synchronous speed 750r/min											
YE4-80M1-8	0.18	0.7	650	67.2	0.61	1.8	7	1.9	52	0.007	25
YE4-80M2-8	0.25	0.9	650	70.8	0.61	1.8	7	1.9	52	0.012	29
YE4-90S-8	0.37	1.2	670	74.3	0.61	1.8	7	1.9	56	0.015	33
YE4-90L-8	0.55	1.8	670	77	0.61	1.8	7	2	56	0.031	34
YE4-100L1-8	0.75	2.1	690	78.4	0.7	1.8	7	2	59	0.043	44
YE4-100L2-8	1.1	3.0	690	80.8	0.7	1.8	7	2	59	0.045	51
YE4-112M-8	1.5	3.9	690	82.6	0.71	1.8	7	2	61	0.28	54
YE4-132S-8	2.2	5.6	710	84.5	0.71	1.8	7.5	2	64	0.3	62
YE4-132M-8	3	7.5	710	85.9	0.71	1.8	7.8	2	64	0.32	89
YE4-160M1-8	4	9.7	720	87.1	0.72	1.9	7.9	2	68	0.46	95
YE4-160M2-8	5.5	13.1	720	88.3	0.72	1.9	8.1	2	68	0.61	120
YE4-160L-8	7.5	16.8	730	89.3	0.76	1.9	7.8	2	68	1.06	132
YE4-180L-8	11	24.0	730	90.4	0.77	2.0	7.9	2	70	1.6	155
YE4-200L-8	15	31.2	730	91.2	0.80	2.0	8.0	2	73	2.28	221
YE4-225S-8	18.5	40.9	740	91.7	0.75	1.9	8.1	2	73	2.74	280
YE4-225M-8	22	47.8	740	92.1	0.76	1.9	8.3	2	73	3.67	330
YE4-250M-8	30	63.9	740	92.7	0.77	1.9	7.9	2	75	5.16	350
YE4-280S-8	37	77.4	740	93.1	0.78	1.9	7.9	2	76	5.82	472
YE4-280M-8	45	93.9	740	93.4	0.78	1.9	7.9	2	76	6.74	580
YE4-315S-8	55	111.5	740	93.7	0.80	1.8	8.2	2	82	7.35	630
YE4-315M-8	75	151.2	740	94.2	0.80	1.8	7.6	2	82	8.79	884
YE4-315L1-8	90	178.8	740	94.4	0.81	1.8	7.7	2	82	9.18	1000
YE4-315L2-8	110	217.9	740	94.7	0.81	1.8	7.7	2	82	10.19	1000
YE4-355S-8	132	260.9	740	94.9	0.81	1.8	7.7	2	90	11.24	1250
YE4-355M-8	160	311.7	742	95.1	0.82	1.8	7.7	2	90	12.48	1630
YE4-355L1-8	(185)	360.5	742	95.1	0.82	1.8	7.7	2	90	13.56	1762
YE4-355L2-8	200	388.5	742	95.4	0.82	1.8	7.8	2	90	13.72	1880
同步转速 Synchronous speed 600r/min											
YE4-315S-10	45	100.8	590	91.2	0.75	1.5	6.2	2	82	3.8772	876
YE4-315M-10	55	122.6	590	91.8	0.75	1.5	6.2	2	82	4.7846	958
YE4-315L1-10	75	163.9	590	92.3	0.76	1.5	5.8	2	82	6.187	1080
YE4-315L2-10	90	192.8	590	92.8	0.77	1.5	5.9	2	82	7.2595	1220
YE4-355S-10	(90)	192.8	593	92.8	0.77	1.5	5.9	2	90	9.354	1405
YE4-355M1-10	110	232.1	593	93.0	0.78	1.3	6.0	2	90	12.1432	1526
YE4-355M2-10	132	277.4	593	93.3	0.78	1.3	6.0	2	90	13.9612	1570
YE4-355L1-10	160	336.2	593	93.3	0.78	1.3	6.0	2	90	17.2931	1668
YE4-355L2-10	(185)	388.7	593	93.3	0.78	1.3	6.0	2	90	19.9645	1964

注：带（ ）为不推荐的规格 The specifications of the belt ( ) is not recommended

MOTORS SERIES PRODUCT
产品概述

上力电机 Shangli motor







YE5 系列超高效率三相异步电动机
YE5 SERIES HIGH EFFICIENCY THREE PHASE ASYNCHRONOUS MOTOR

概述

YE5 系列三相异步电动机是我公司自主研发推出的全封闭、自扇冷、鼠笼式IE5 效率三相异步电动机，效率指标达到GB18613–2020《中小型三相异步电动机能效限定值及能效等级》中最高能效等级1 级，且具有性能优良，使用安全可靠，振动、噪声比同类产品低的特点，符合环保要求。该产品处于国际领先水平。

General Description

YE5 series three phase asynchronous motor is totally enclosed carried out my company independent research and development, since the fan cooling, squirrel-cage IE5 three-phase asynchronous motor efficiency, the efficiency indicators of GB18613-2020 "the small and medium-sized three-phase asynchronous motor limited value of energy efficiency and energy efficiency grade in the highest level of energy efficiency level 1, and has good performance, the use of safe and reliable, the characteristics of vibration and noise is lower than similar products conform to the requirements of environmental protection. The products in the international leading level.

产品特点

YE5 系列三相异步电动机具有外形美观、高效率、低噪音、低振动、安全可靠、维护方便等特点，广泛应用于风机、水泵、空压机、机床、减速机、包装机械、洗涤机械、矿山机械、建筑机械等各类传动机械行业。

Product features

YE5 series three-phase asynchronous motor with good appearance, high efficiency, low noise, low vibration, safe and reliable, maintenance is convenient wait for a characteristic, is widely used in fan, water pump, air compressor, machine tools, deceleration machine, packaging machinery, washing machinery, mining machinery, construction machinery and other kinds of mechanical transmission industry.

型号说明 / Model description

YE5 – 160 L–2 THWF1

- YE5 系列，能效等级IE5，GB18613–2020 的1 级
  YE5 series, energy efficiency rating IE5, GB18613-2020 grade 1
- Center (160 mm) 中心高（160mm）
- Frame length 机座长度
  （举例：S 表示短机座，L 表示长机座）
  (example: S short stand, L said lead block)
- 极数（2 极）
  The number of (2)
- 使用环境代号 Using the environment symbol
  （默认缺省时为户内，其余如下）
  (the default default for indoor, the rest below)
  F1– 户内防中等腐蚀型
  F1 – indoor medium corrosion prevention
  F2– 户内防强腐蚀型
  F2 – indoor strong corrosion prevention
  WF1– 户外防中等腐蚀型
  WF1 – outdoor medium corrosion prevention
  WF2– 户外防强腐蚀型
  WF2 – outdoor strong corrosion prevention
  TH– 湿热带 TH – humid tropics
  G– 高原 G – plateau

TECHNICAL DATA
技术数据

型号 Type	功率 Output (kW)	转速 Syncspeed (r/min)	效率Eff(%) 75%~100% 负载	功率因数 Power factor COS ϕ	额定电流 Rated current IN A	堵转电流 额定电流 Locket current / Rated current	额定转矩 Rated torque TN(Nm)	堵转转矩 额定转矩 Locket torque / Rated torque	最大转矩 额定转矩 Pull out torque / Rated torque	噪声 (Lp) Noise dB(A)	转动惯量 Inertia movement kg.m²	重量 Weight (kg)
同步转速 Synchronous speed 3000r/min												
YE5-80M1-2	0.75	2825	86.3	0.83	1.59	10	2.54	2.3	2.3	56	0.0053	45
YE5-80M2-2	1.1	2825	87.8	0.83	2.29	9	3.72	2.3	2.3	56	0.0074	48
YE5-90S-2	1.5	2840	88.9	0.84	3.05	9	5.04	2.3	2.3	64	0.0095	54
YE5-90L-2	2.2	2840	90.2	0.85	4.36	9.5	7.40	2.3	2.3	64	0.018	58
YE5-100L-2	3	2880	91.1	0.87	5.75	9.5	9.95	2.3	2.3	68	0.032	74
YE5-112M-2	4	2890	91.8	0.88	7.52	9.5	13.2	2.3	2.3	69	0.066	113
YE5-132S1-2	5.5	2900	92.6	0.88	10.3	9.5	18.1	2.2	2.3	68	0.077	113
YE5-132S2-2	7.5	2900	93.3	0.89	13.7	9.5	24.7	2.2	2.3	68	0.22	132
YE5-160M1-2	11	2930	94	0.89	20.0	9.5	35.9	2.2	2.3	67	0.26	144
YE5-160M2-2	15	2930	94.5	0.89	27.1	9.5	48.9	2.2	2.3	67	0.33	158
YE5-160L-2	18.5	2930	94.9	0.89	33.3	9.5	60.3	2.2	2.3	67	0.39	218
YE5-180M-2	22	2940	95.1	0.89	39.5	9.5	71.5	2.2	2.3	77	0.66	275
YE5-200L1-2	30	2950	95.5	0.89	53.6	9	97.1	2.2	2.3	79	0.77	288
YE5-200L2-2	37	2950	95.8	0.89	65.9	9	119.8	2.2	2.3	79	1.34	378
YE5-225M-2	45	2970	96	0.89	80.0	9	144.7	2.2	2.3	82	1.63	397
YE5-250M-2	55	2970	96.2	0.89	97.6	9	176.9	2.2	2.3	82	1.98	590
YE5-280S-2	75	2970	96.5	0.89	132.7	8.5	241.2	2.0	2.3	83	2.12	851
YE5-280M-2	90	2970	96.6	0.89	159.1	8.5	289.4	2.0	2.3	83	2.37	1040
YE5-315S-2	110	2980	96.8	0.89	194.0	8.5	352.5	1.9	2.3	85	2.54	1096
YE5-315M-2	132	2980	96.9	0.89	232.6	8.5	423.0	1.9	2.2	85	2.86	1276
YE5-315L1-2	160	2980	97	0.9	278.5	8.5	512.8	1.9	2.2	85	3.38	1418
YE5-315L-2	185	2980	97.2	0.9	321.3	8.5	592.9	1.9	2.2	85	3.58	1512
YE5-315L2-2	200	2980	97.2	0.9	347.4	8.5	640.9	1.9	2.2	85	4.05	1598
YE5-355S1-2	185	2980	97.2	0.9	321.3	8.5	592.9	1.9	2.2	85	5.06	1598
YE5-355S2-2	200	2980	97.2	0.9	347.4	8.5	640.9	1.9	2.2	85	5.73	1739
YE5-355M1-2	220	2980	97.2	0.9	382.1	8.5	705.0	1.8	2.2	85	6.53	1985
YE5-355M2-2	250 2	980	97.2	0.9	434.2	8.5	801.2	1.8	2.2	85	6.87	2136
YE5-355L1-2	280	2980	97.2	0.87	503.1	8.5	897.3	1.8	2.2	85	7.30	2192
YE5-355L2-2	315	2980	97.2	0.87	566.0	8.5	1009.5	1.8	2.2	85	7.41	2344
同步转速 Synchronous speed 1500r/min												
YE5-80M1-4	0.55	1390	86.7	0.75	1.29	10	3.78	2.3	2.3	50	0.0074	41
YE5-80M2-4	0.75	1390	88.2	0.75	1.72	8	5.15	2.3	2.3	50	0.013	43
YE5-90S-4	1.1	1400	89.5	0.75	2.49	8.5	7.50	2.3	2.3	53	0.016	49
YE5-90L-4	1.5	1400	90.4	0.75	3.36	8.5	10.2	2.3	2.3	53	0.033	52
YE5-100L1-4	2.2	1420	91.4	0.8	4.57	9	14.8	2.3	2.3	56	0.041	68
YE5-100L2-4	3	1420	92.1	0.81	6.11	9	20.2	2.3	2.3	56	0.062	93
YE5-112M-4	4	1440	92.8	0.81	8.09	9	26.5	2.3	2.3	57	0.12	109
YE5-132S-4	5.5	1440	93.4	0.81	11.0	9.5	36.5	2.0	2.3	57	0.18	113
YE5-132M-4	7.5	1440	94	0.83	14.6	9.5	49.7	2.0	2.3	57	0.38	142
YE5-160M-4	11	1460	94.6	0.83	21.3	9.5	72.0	2.0	2.3	66	0.44	158
YE5-160L-4	15	1460	95.1	0.85	28.2	9.5	98.1	2.0	2.3	66	0.71	208
YE5-180M-4	18.5	1470	95.3	0.85	34.7	9.5	120.2	2.0	2.3	68	0.76	275
YE5-180L-4	22	1470	95.5	0.86	40.7	9.5	142.9	2.0	2.3	68	0.85	284
YE5-200L-4	30	1470	95.9	0.86	55.3	9	194.9	2.0	2.3	71	1.27	378
YE5-225S-4	37	1480	96.1	0.87	67.2	9	238.8	2.0	2.3	65	1.94	491
YE5-225M-4	45	1480	96.3	0.87	81.6	9	290.4	2.0	2.3	65	2.44	529
YE5-250M-4	55	1480	96.5	0.87	99.5	9	354.9	2.0	2.3	70	3.00	628
YE5-280S-4	75	1480	96.7	0.88	133.9	8.5	484.0	2.0	2.3	77	3.51	737
YE5-280M-4	90	1485	96.9	0.88	160.4	8.5	578.8	2.0	2.3	77	4.91	1087
YE5-315S-4	110	1485	97	0.89	193.6	8.5	707.4	2.0	2.2	77	5.21	1134
YE5-315M-4	132	1485	97.1	0.89	232.1	8.5	848.9	2.0	2.2	77	5.48	1247
YE5-315L1-4	160	1485	97.2	0.89	281.0	8.5	1029.0	2.0	2.2	78	5.70	1342
YE5-315L-4	185	1485	97.4	0.89	324.3	8.5	1189.7	2.0	2.2	78	5.90	1418
YE5-315L2-4	200	1485	97.4	0.89	350.5	8.5	1286.2	2.0	2.2	78	6.77	1607
YE5-355S1-4	185	1488	97.4	0.89	324.3	8.5	1187.3	2.0	2.2	82	6.89	1701
YE5-355S2-4	200	1488	97.4	0.89	350.5	8.5	1283.6	2.0	2.2	82	7.22	1730
YE5-355M1-4	220	1488	97.4	0.89	385.6	8.5	1412.0	2.0	2.2	82	7.58	1833
YE5-355M2-4	250	1488	97.4	0.89	438.2	8.5	1604.5	2.0	2.2	82	7.83	1966
YE5-355L1-4	280	1488	97.4	0.89	490.8	8.5	1797.0	2.0	2.2	82	8.06	2136
YE5-355L2-4	315	1488	97.4	0.89	552.1	8.5	2021.7	2.0	2.2	82	8.19	2155

型号 Type	功率 Output (kW)	转速 Syncspeed (r/min)	效率Eff(%) 75%~100% 负载	功率因数 Power factor COS ϕ	额定电流 Rated current IN A	堵转电流 额定电流 Locket current / Rated current	额定转矩 Rated torque TN(Nm)	堵转转矩 额定转矩 Locket torque / Rated torque	最大转矩 额定转矩 Pull out torque / Rated torque	噪声 (Lp) Noise dB(A)	转动惯量 Inertia movement kg.m²	重量 Weight (kg)
同步转速 Synchronous speed 1000r/min												
YE5-80M1-6	0.37	910	81.6	0.7	0.98	10	3.88	1.9	2.0	49	0.0074	43
YE5-80M2-6	0.55	910	84.2	0.72	1.38	9	5.77	1.9	2.1	49	0.013	48
YE5-90S-6	0.75	910	85.7	0.72	1.85	8.5	7.87	2.1	2.1	49	0.016	53
YE5-90L-6	1.1	910	87.2	0.73	2.63	7.8	11.5	2.1	2.1	49	0.033	58
YE5-100L-6	1.5	940	88.4	0.74	3.48	8	15.2	2.1	2.1	53	0.045	74
YE5-112M-6	2.2	940	89.7	0.74	5.04	8	22.4	2.1	2.1	57	0.441	113
YE5-132S-6	3	960	90.6	0.74	6.80	7.5	29.8	2.0	2.1	61	0.71	113
YE5-132M1-6	4	960	91.4	0.74	8.99	8	39.8	2.0	2.1	61	0.08	123
YE5-132M2-6	5.5	960	92.2	0.75	12.1	8	54.7	2.0	2.1	61	0.85	146
YE5-160M-6	7.5	970	92.9	0.78	15.7	8	73.8	2.1	2.1	62	1.27	167
YE5-160L-6	11	970	93.7	0.78	22.9	8.5	108.3	2.1	2.1	62	1.39	212
YE5-180L-6	15	970	94.3	0.81	29.8	8.5	147.7	2.0	2.1	62	1.70	275
YE5-200L1-6	18.5	970	94.6	0.81	36.7	8.5	182.1	2.1	2.1	68	1.93	298
YE5-200L2-6	22	970	94.9	0.82	43.0	8.5	216.6	2.1	2.1	68	2.55	388
YE5-225M-6	30	980	95.3	0.81	59.0	8.5	292.3	2.0	2.1	68	2.81	426
YE5-250M-6	37	980	95.6	0.84	70.0	8.5	360.6	2.1	2.1	70	3.63	600
YE5-280S-6	45	980	95.8	0.86	83.0	8.5	438.5	2.1	2.0	72	4.17	690
YE5-280M-6	55	980	96	0.86	101.2	8.5	536.0	2.0	2.0	72	4.80	1021
YE5-315S-6	75	985	96.3	0.85	139.2	8	727.2	2.0	2.0	73	5.07	1077
YE5-315M-6	90	985	96.5	0.84	168.7	8	872.6	2.0	2.0	73	5.59	1238
YE5-315L1-6	110	985	96.6	0.85	203.5	8	1066.5	2.0	2.0	73	6.25	1323
YE5-315L2-6	132	985	96.8	0.86	240.9	8	1279.8	2.0	2.0	73	7.69	1560
YE5-355S-6	160	985	96.9	0.86	291.7	8	1551.3	1.9	2.0	79	8.28	1663
YE5-355M1-6	185	985	97	0.86	337.0	8	1793.7	1.9	2.0	79	8.58	1862
YE5-355M2-6	200	985	97	0.86	364.3	8	1939.1	1.9	2.0	79	8.66	2022
YE5-355L1-6	220	985	97	0.86	400.7	8	2133.0	1.9	2.0	79	8.78	2127
YE5-355L2-6	250	985	97	0.86	455.3	8	2423.9	1.9	2.0	79	8.80	2155
同步转速 Synchronous speed 750r/min												
YE5-80M1-8	0.18	710	71.9	0.61	0.62	7.5	2.42	1.8	1.9	49	0.0074	43
YE5-80M2-8	0.25	710	75.2	0.61	0.83	7.9	3.36	1.8	2.0	49	0.013	48
YE5-90S-8	0.37	710	78.4	0.61	1.18	8.3	4.98	1.8	2.0	49	0.016	53
YE5-90L-8	0.55	710	80.6	0.61	1.70	7.4	7.40	1.8	2.0	49	0.033	58
YE5-100L1-8	0.75	710	82	0.67	2.07	7.4	10.1	1.8	2.0	51	0.045	74
YE5-100L2-8	1.1	710	84	0.68	2.93	7.1	14.8	1.8	2.0	51	0.047	113
YE5-112M-8	1.5	710	85.5	0.7	3.81	7.2	20.2	1.8	2.0	53	0.29	104
YE5-132S-8	2.2	710	87.2	0.7	5.48	7.4	29.6	1.9	2.0	56	0.32	113
YE5-132M-8	3	710	88.4	0.73	7.06	7.8	40.4	1.9	2.0	56	0.34	125
YE5-160M1-8	4	720	89.4	0.73	9.31	7.9	53.1	1.9	2.0	60	0.48	136
YE5-160M2-8	5.5	720	90.4	0.74	12.5	8.1	73.0	2.0	2.0	60	0.64	166
YE5-160L-8	7.5	720	91.3	0.74	16.9	7.8	99.5	2.0	2.0	60	1.11	212
YE5-180L-8	11	730	92.2	0.74	24.5	7.9	143.9	1.9	2.0	62	1.68	284
YE5-200L-8	15	730	92.9	0.75	32.7	8	196.2	1.9	2.0	65	2.39	355
YE5-225S-8	18.5	730	93.3	0.75	40.2	8	242.0	1.9	2.0	65	2.88	407
YE5-225M-8	22	730	93.6	0.76	47.0	8.3	287.8	1.9	2.0	65	3.85	426
YE5-250M-8	30	730	94.1	0.77	62.9	7.8	392.5	1.9	2.0	67	5.42	572
YE5-280S-8	37	740	94.4	0.78	76.3	7.9	477.5	1.8	2.0	67	6.11	662
YE5-280M-8	45	740	94.7	0.78	92.6	7.9	580.7	1.8	2.0	67	7.08	869
YE5-315S-8	55	740	94.9	0.8	110.1	8.1	709.8	1.8	2.0	70	7.72	1040
YE5-315M-8	75	740	95.3	0.8	149.5	7.6	967.9	1.8	2.0	70	9.23	1058
YE5-315L1-8	90	740	95.5	0.81	176.8	7.7	1161.5	1.8	2.0	70	9.64	1229
YE5-315L2-8	110	740	95.7	0.81	215.6	7.7	1419.6	1.8	2.0	70	10.70	1550
YE5-355S-8	132	740	95.9	0.81	258.2	7.7	1703.5	1.8	2.0	77	11.80	1720
YE5-355M-8	160	740	96.1	0.82	308.5	7.8	2064.9	1.8	2.0	77	13.10	1985
YE5-355L1-8	185	740	96.3	0.82	356.0	7.8	2387.5	1.8	2.0	77	14.24	2079
YE5-355L2-8	200	740	96.3	0.82	384.8	7.8	2581.1	1.8	2.0	77	14.41	2174

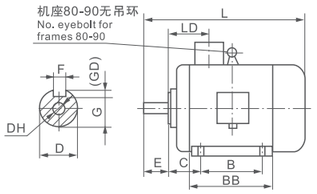
注：1、当电压U 不为380V 时，电流I =IN*380/U，其余参数不变；2、 对额定频率为60Hz 的电动机，机座号200 ～355 的2 极电动机空载噪声数值为该表对应值加上6dB(A)，其它极数的电动机空载噪声数值为该表对应值加上5dB(A)。

Note: 1, when U not for 380 v voltage, electric current I = * 380 / U, IN the rest of the parameters are the same; 2, to the rated frequency is 60 hz motor, frame # 200 ~ 355 of the 2 pole motor no-load noise values for the table corresponding value plus 6 db (A), the number of other motor no-load noise values for the table of corresponding value plus 5 db (A).

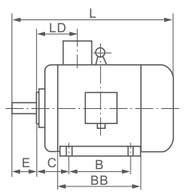
MOUNTING AND OVERALL DIMENSIONS
安装及外形尺寸

上力电机
Shangli motor

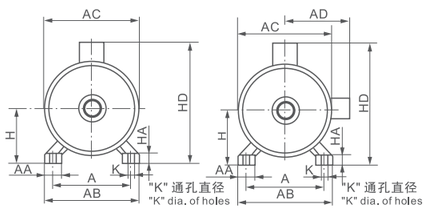
IM B3　H80-355



机座号 Frame size
80–132

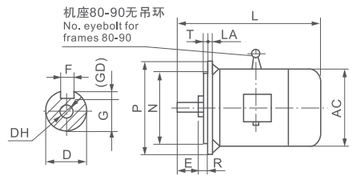


机座号 Frame size
160–355

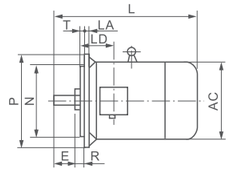


机座号 Frame size
80–355

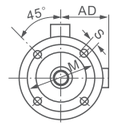
IM B5　H80-280



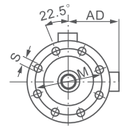
机座号 Frame size
80–132



机座号 Frame size
160–80

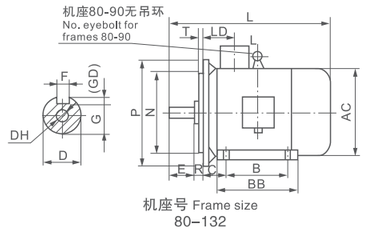


机座号 Frame size
80–200

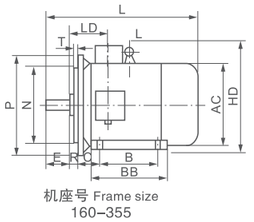


机座号 Frame size
225–280

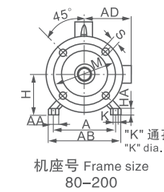
IM B35　H80-355



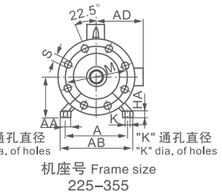
机座号 Frame size
80–132



机座号 Frame size
160–355



机座号 Frame size
80–200



机座号 Frame size
225–355

机座号 Frame	凸缘号 Flange Number	极数 Poles	尺　寸 Dimensions in mm											尺　寸 Dimensions in mm												
			A	AA	B	C	D*	E	F	G	H	K	AB	AC	AD	HD	L	BB	HA	LD	凸缘孔数	M	N*	P	R*	S	T	(DH)*
80	FF165	2.4.6	34	34	100	50	19	40	6	15.5	80	10	160	167	165	245	300	144	10	74	4	165	130	200	0	12	3.5	M6×16
90S	FF165	2.4.6	36	36	100	56	24	50	8	20	90	10	170	190	175	265	350	180	12	76	4	165	130	200	0	12	3.5	M8×19
	FF165	8	36	36	100	56	24	50	8	20	90	10	170	180	175	265	350	180	12	76	4	165	130	200	0	12	3.5	M8×19
90L	FF165	2.4.6	36	36	125	56	24	50	8	20	90	10	170	190	175	265	380	210	12	76	4	165	130	200	0	12	3.5	M8×19
100L	FF215	2.4.6	40	40	140	63	28	60	8	24	100	12	200	215	200	290	430	234	14	83	4	215	180	250	0	14.5	4	M10×22
112M	FF215	2.4.6	45	45	140	70	28	60	8	24	112	12	226	240	220	325	430	215	15	87	4	215	180	250	0	14.5	4	M10×22
132S	FF265	2.4.6	55	55	140	89	38	80	10	33	132	12	262	275	240	365	520	226	18	102	4	265	230	300	0	14.5	4	M12×28
132M	FF265	2.4.6	55	55	178	89	38	80	10	33	132	12	262	275	240	365	550	256	18	102	4	265	230	300	0	14.5	4	M12×28
160M	FF300	2.4.6	65	65	210	108	42	110	12	37	160	14.5	314	320	285	440	665	315	20	149	4	300	250	350	0	18.5	5	M16×36
160L	FF300	2.4.6	65	65	254	108	42	110	12	37	160	14.5	314	320	285	440	705	355	20	149	4	300	250	350	0	18.5	5	M16×36
180M	FF300	2.4.6	70	70	241	121	48	110	14	42.5	180	14.5	349	380	310	470	745	359	22	161	4	300	250	350	0	18.5	5	M16×36
180L	FF300	2.4.6	70	70	279	121	48	110	14	42.5	180	14.5	349	380	310	470	780	394	22	161	4	300	250	350	0	18.5	5	M16×36
200L	FF350	2.4.6	70	70	305	133	55	110	16	49	200	18.5	388	410	335	525	860	454	25	186	4	350	300	400	0	18.5	5	M20×42
225S	FF400	4.6	75	75	286	149	60	140	18	53	225	18.5	431	470	370	580	880	431	28	189	8	400	350	450	0	18.5	5	M20×42
225M	FF400	2	75	75	311	149	55	110	16	49	225	18.5	431	470	370	580	885	466	28	189	8	400	350	450	0	18.5	5	M20×42
	FF400	4.6	75	75	311	149	60	140	18	53	225	18.5	431	470	370	580	915	466	28	189	8	400	350	450	0	18.5	5	M20×42
250M	FF500	2	80	80	349	168	60	140	18	53	250	24	484	490	380	635	985	515	30	207	8	500	450	550	0	18.5	5	M20×42
	FF500	4.6	80	80	349	168	65	140	18	58	250	24	484	490	380	635	985	515	30	207	8	500	450	550	0	18.5	5	M20×42
280S	FF500	2	85	85	368	190	65	140	18	58	280	24	542	580	410	698	990	510	35	215	8	500	450	550	0	18.5	5	M20×42
	FF500	4.6	85	85	368	190	75	140	20	67.5	280	24	542	580	410	698	990	510	35	215	8	500	450	550	0	18.5	5	M20×42
280M	FF500	2	85	85	419	190	65	140	18	58	280	24	542	580	410	698	1030	550	35	215	8	500	450	550	0	18.5	5	M20×42
	FF500	4.6	85	85	419	190	75	140	20	67.5	280	24	542	580	410	698	1030	550	35	215	8	500	450	550	0	18.5	5	M20×42
315S	FF600	2	120	120	406	216	65	140	18	58	315	28	630	645	535	845	1300	680	45	257	8	600	550	660	0	24	6	M20×42
	FF600	4.6	120	120	406	216	80	170	22	71	315	28	630	645	535	845	1330	680	45	257	8	600	550	660	0	24	6	M20×42
315M	FF600	2	120	120	457	216	65	140	18	58	315	28	630	645	535	845	1365	745	45	257	8	600	550	660	0	24	6	M20×42
	FF600	4.6	120	120	457	216	80	170	22	71	315	28	630	645	535	845	1405	745	45	257	8	600	550	660	0	24	6	M20×42
315L1	FF600	2	120	120	508	216	65	140	18	58	315	28	630	645	535	845	1365	745	45	257	8	600	550	660	0	24	6	M20×42
	FF600	4.6	120	120	508	216	80	170	22	71	315	28	630	645	535	845	1405	745	45	257	8	600	550	660	0	24	6	M20×42
315L2	FF600	2	120	120	508	216	65	140	18	58	315	28	630	645	535	845	1365	745	45	257	8	600	550	660	0	24	6	M20×42
	FF600	4	120	120	508	216	80	170	22	71	315	28	630	645	535	845	1405	745	45	257	8	600	550	660	0	24	6	M20×42
355M	FF740	2	116	120	560	254	75	140	20	67.5	355	28	760	720	650	1010	1505	750	52	284	8	740	680	800	0	24	6	M20×42
	FF740	4.6	116	120	560	254	95	170	25	86	355	28	760	720	650	1010	1535	750	52	284	8	740	680	800	0	24	6	M24×47
355L	FF740	2	116	120	630	254	75	140	20	67.5	355	28	760	720	650	1010	1505	750	52	284	8	740	680	800	0	24	6	M20×42
	FF740	4.6	116	120	630	254	95	170	25	86	355	28	760	720	650	1010	1535	750	52	284	8	740	680	800	0	24	6	M24×47
3551	FF840	2	116	135	800	224	80	170	22	71	355	35	760	900	760	1010	1505	750	52	318	8	840	780	900	0	24	6	M20×42
3552	FF840	4.6	116	135	800	224	110	210	28	100	355	35	760	900	760	1010	1535	750	52	318	8	840	780	900	0	24	6	M24×47







Y.YKS.YKK系列高压电机

Y.YKS.YKK SERIES HIGH VOLTAGE MOTOR

概述

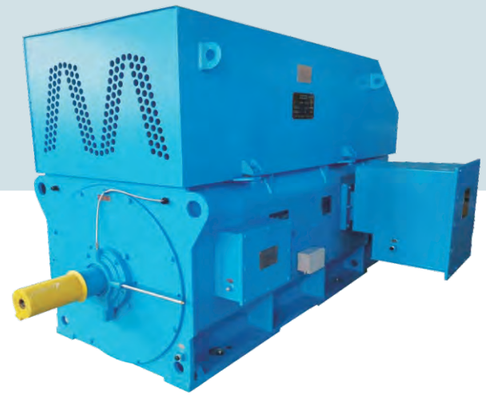
我公司生产的高压三相异步电动机，采用国内外先进技术，具有结构紧凑、高效、节能、噪音低、振动小、可靠性高、寿命长、重量轻，安装维护方便等优点。

本系列电机适用于驱动各种通风机、压缩机、水泵、切削机、运输机械等通用机械设备，在矿山、机械、石化、电厂、钢厂等企业中作为原动机被广泛使用。本系列电动机为卧式带底脚（IMB3）结构，转动部分用滚动轴承或滑动轴承二种型式，采用F级绝缘，温升按B级考核，机座号从355～630，额定功率从220KW~3150KW,额定电压为3KV、6KV、10KV，极数从2极~12极，频率为50Hz。同时根据不同的冷却方式和防护等级，以Y系列为基点派生出YKS、YKK二个系列产品，本公司也可按用户要求研发非标的新型中高端电机产品。

General Description

My company produces high-voltage three-phase asynchronous motor, using domestic and foreign advanced technology, has the advantages of compact structure, high efficiency, energy saving, low noise, small vibration, high reliability, long life, light weight, easy installation and maintenance advantages.

This series motors are used to drive a fan, compressor, water pump, cutting machine, transport machinery and other general machinery and equipment, mining, machinery, petrochemical, in power plants, steel mills and other enterprises as the prime mover is widely used. This series motor is horizontal with feet (IMB3) structure, the rotating part with rolling bearings or plain bearings of two types, using class F insulation, temperature at the B level examination, frame numbers from 355~630, rated power from 220KW~3150KW, rated voltage of 3KV, 6KV, 10KV, pole number from 2 ~ 12 pole, the frequency of 50Hz. At the same time according to the different cooling methods and protection grade, with Y series as the base derived from YKS, YKK two series of products, the company can also be customized development of non-standard new high-end motor products.





Y.YKS.YKK系列高压电机

Y.YKS.YKK SERIES HIGH VOLTAGE MOTOR

产品特征

一.Y系列：1.开放式，冷却方式为ICO1(自冷风扇装在轴上），防护等级IP23。
2.管道通风式，冷却方式为IC11(管道通风)，防护等级IP44。

二.YKS系列：封闭式，冷却方式为IC81W(空/水冷却,风扇装在轴上)，防护等级IP44或IP54。

三.YKK系列：封闭式，冷却方式IC611(空/水冷却,风扇装在轴上），防护等级IP44或IP54。

本系列电机符合IEC有关标准及GB755《旋转电机定额和性能》的规定。建议在订货时必须提供相关技术资料，如有特殊要求的应签订技术协议，以此为依据确保电机满足用户要求。

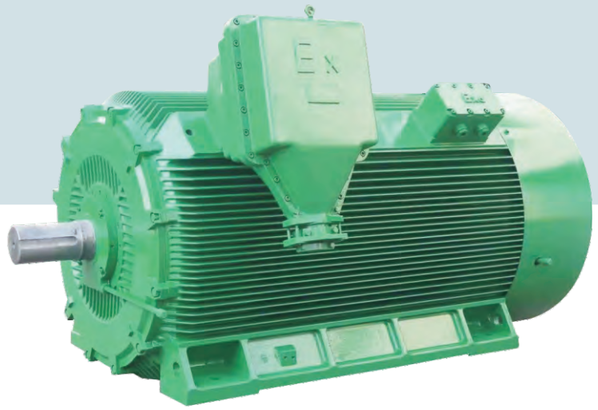
Product Characteristics

一. Y series: 1 .opening, the cooling method for ICO1 (automatic cooling fan mounted on the shaft), protection grade Ip23.
2. pipe ventilation, cooling for IC11 (ventilated), protection grade Ip44.

二. YKS series: closed, cooling for IC81W (air / water cooling, fan mounted on the shaft), protection grade IP44 or IP54.

三. YKK series: closed, cooling mode IC611 (air / water cooling, fan mounted on the shaft), protection grade IP44 or IP54.

This series motor with relevant standards of IEC and GB755 " rotary motor rating and performance " provisions. In order to provide relevant technical information, if there are special requirements should be signed a technical agreement, on the basis of ensuring the motor to meet user requirements.










YB3系列高压隔爆型三相异步电动机

YB3 SERIES HIGH-VOLTAGE THREE-PHASE FLAMEPROOF INDUCTION ELECTIRC MOTORS

概述

YB3系列紧凑型高压隔爆型三相异步电动机是我公司在消化吸收国外高压电动机制造技术的基础上，结合我公司长期稳定生产高压隔爆型三相异步电动机的设计制造经验而研制的最新产品。本系列电动机采用新技术、新材料、新工艺、选材考究、制造精良、具有体积小、重量轻、功率大、效率高、噪声低、振动小、运行安全可靠、使用维护方便等特点。

本系列电动机的外壳防护等级一般为IP54，冷却方式为IC411，安装方式为IMB3，也可根据用户要求制成不同的防护类型、冷却方式、安装方式。

本系列电动机符合GB755《旋转电机定额和性能》、GB3836.1《爆炸性环境第一部分：通用要求》和GB3836.2《爆炸性环境第二部分：由隔爆外壳“d”保护的设备》的规定，制成隔爆型电动机、防爆标志为Exd I Mb、Exd IIA T4 Gb、Exd IIB T4 Gb、Exd IIC T4 Gb适用于具有爆炸性气体环境的1区、2区危险场所。可广泛应用于驱动各种通用机械：如压缩机、水泵、破碎机、切削机床、运输机械及其它机械设备、在矿山、机械工业、石油化工工业、发电厂等工矿企业中作为原动机使用。

Exd I Mb适用于有甲烷或煤尘的煤矿井下非采掘工作面爆炸性气体环境。

Exd IIA T4 Gb适用于工厂用II类A级，温度组别为T1、T2、T3和T4组的爆炸性气体环境。

Exd IIB T4 Gb适用于工厂用II类B级，温度组别为T1、T2、T3和T4组的爆炸性气体环境。

Exd IIC T4 Gb适用于工厂用II类C级，温度组别为T1、T2、T3和T4组的爆炸性气体环境。

电动机主体外壳及接线盒防护等级为IP54，也可制成IP55。电动机还可制成YB3–W户外型、YB3–TH户内湿热带型、YB3–THW户外湿热带型、YB3–TA户内干热带型、YB3–TAW户外干热带型、YB3–T户内热带型、YB3–TW户外热带型及YB3–WFI户外防中等腐蚀型等气候环境条件用电动机。主要安装外形尺寸与基本系列电动机相同。

YB3系列高压隔爆型三相异步电动机

YB3 SERIES HIGH-VOLTAGE THREE-PHASE FLAMEPROOF INDUCTION ELECTIRC MOTORS

General Description

YB3 Series compact high voltage flameproof three-phase asynchronous motor is my company in the digestion and absorption of foreign high voltage motor manufacturing technology foundation, combined with my company's long-term stable production high voltage flameproof three-phase asynchronous motor design and manufacture and development of new products. This series motor using new technology, new material, new technology, and fine material, fine workmanship, has small volume, light weight, big power, high efficiency, low noise, little vibration, reliable operation, easy operation and maintenance, and etc.

This series motor shell protection level is commonly IP54, cooling mode for IC411, installation for IMB3, also can according to user requirements into different protection type, cooling mode, method of installation.

This series motor GB755 accord with the rotating machine quota and performance ", GB3836.1 the explosive environment the first part: the general requirements "and GB3836.2 the explosive environment the second part: the flame-proof shell" d "protection equipment" regulation, make flameproof motor, flameproof mark for Ex d I Mb, Ex d IIA T4 Gb, Ex d IIB T4 Gb, Ex d IIC T4 Gb are suited for explosive gas environment 1 zone and 2 zone dangerous places. Can be widely applied to drive all kinds of general machinery, such as compressors, pumps, crusher, cutting machine, transportation machinery and other mechanical equipment, mining, machinery industry, petrochemical industry, power plants and industrial and mining enterprises as a prime mover in use.

Ex d I Mb suitable for methane and coal dust in coal mine underground non mining working face explosive gas environment.

Ex d IIA T4 Gb is suitable for factory use II class A level, temperature group for T1, T2, T3, and T4 group of explosive gas environment.

Ex d IIB T4 Gb is suitable for factory use II class B level, temperature group for T1, T2, T3, and T4 group of explosive gas environment.

Ex d IIC T4 Gb is suitable for factory use II class C level, temperature group for T1, T2, T3, and T4 group of explosive gas environment.

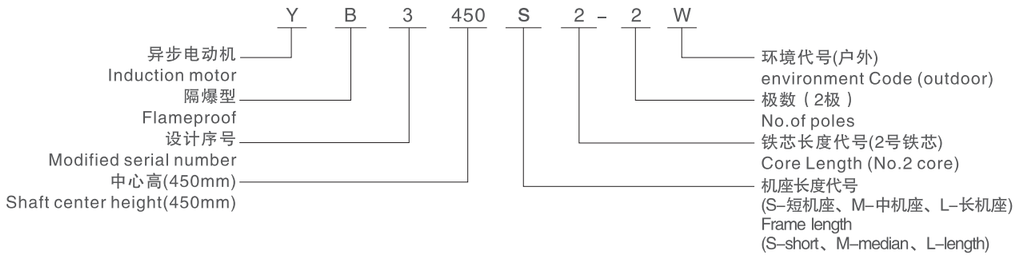
Motor body shell and junction box protection level for IP54, also can be made into IP55. Motor also can be made into YB3 - W outdoor, YB3 - TH indoor damp and hot zone type, YB3 - THW outdoor damp and hot zone type, YB3 - TA indoor dry tropical type, YB3 - TAW outdoor dry tropical type, YB3 - T indoor tropical type, YB3 - TW outdoor tropical type and YB3 - WF1 outdoor prevent medium corrosion type and climate conditions motor. The main installation size and shape of the same basic series motor.



YB3系列高压隔爆型三相异步电动机
YB3 SERIES HIGH-VOLTAGE THREE-PHASE FLAMEPROOF INDUCTION ELECTIRC MOTORS

型号说明/Model Instruction

电动机型号代表的意义：(The indication meaning of motor model:)



结构说明

该系列电动机采用国际流行的紧凑型结构，机座、端盖的内外表面均分布有散热筋，体积小巧，外形美观。

定子采用外装压结构，绝缘等级为F级，定子线圈采用带绝缘铜扁线绕制成型线圈，经绕包主绝缘并VPI整体浸漆后具有较高的电气强度、机械强度、绝缘性能、防潮性和热稳定性。

转子采用鼠笼结构，经高精度校验动平衡，电动机运转平衡、振动小。

高压接线盒为密封结构，接线空腔大，留有电缆接头位置。接线盒位置一般在电机右侧。（从轴伸端看）

根据不同的功率和转速轴承结构选型：H355~560–4、6、8P采用滚动轴承 H500~560–2P采用滑动轴承。滚动轴承的电机两端轴承设不停机注排油装置，可定期补充润滑脂，滑动轴承为端盖式球面滑动轴承，采用压力供油润滑、油环自润滑或复合式润滑方式（由用户自由选择，如用户无特殊要求则为压力供油润滑），同时采取了防止轴电流产生的措施。

根据用户需要，电动机可安装轴承测温元件或仪表，监测轴承温度，也可根据用户需要设置定子测温元件、仪表及冷凝加热装置。电动机的隔爆结构采用圆铜型、平面型以及轴向曲路等隔爆型式。

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Construction Features

This series motors employ compact structure popurlar in the world with compact construction and attracive appearance.Cooling ribs shall be distributed on the inner and outer surface of the frame and end shield.

The stators adopt external pressure assembly constructions and are of Class F insulation,Stators coils are would with insulating flat copper wire,The whole windings are vacuum-pressure-impregnated to make them possess highest electrical performance,mechanical strength,insultion property,moisture resistance and thermo-stability.

The rotors are of squirrel cage structure.After high precision balancing verification,the motors can run smoothly with small vibration.

High-voltage terminal boxes are seal structure with a large terminal compartment within which position of cable heads are left.Theterminal boxes generally locate on the right side of the motors.

The bearing structure shall be selected according to different output and speed.For frame size H355~560 and 4,6,8p motors,rolling bearing shall be provided.For frame size H500~560 and 2p motors,sleeve bearing shall be provided.For rolling bearing,attachments having the use to replenish the lubricating grease without stopping the motor are set up at both ends of the bearing,attachments having the use to replenish grease periodically.Sleeve bearing.Which is end shield sphere sleeve bearing.is pressure fed lubrication form,oil ring self-lubrication and combined type lubrication (The lubrication form shall be selected by user.Pressure feed lubrication form shall be provided if the user has no special requirment.),The measures to prevent shaft current from generating are taken at the same time.

Motors can be equipped with a bearing temperature detector to detect bearing temperature and also with a stator temperature detector and an anti-condensation heating device on customers request.

The flameproof structures are adopted with the barrel configuration,plain and axial labyrinth etc.

作用条件/Srvice conditions

环境温度：随季节变化，但最低环境空气温度不低于–15℃，最高环境空气温度不超过40℃。
海拔：不超过1000m。
额定电压：6kV、10kV。
额定频率：50Hz。
工作制：连续工作制（S1）

Amblent temperature subject to seasonal variation with the highest and the lower temperatures do not separately exceed 40℃ and -15℃.
Altitude up to 1000m above sea level.
Rated voltage:6kV、10kV.
Rated frequency:50Hz
Duty type:continuous S1