



YBX3 系列高效率隔爆型三相异步电动机

(机座号 80 ~ 355)

YBX3 series high efficiency explosion proof motor (80~355)



大连达尔马电机有限公司
Dalian Dalmo Electric Motor Co.,Ltd.

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企业简介

大连达尔马电机有限公司(大连嘉隆电机有限公司)于1966年6月16日建厂,是国家机械工业部定点生产中小型电机的专业厂,为国家二级企业和中型企业,1993年跨入“中国500家最大电气器材制造企业”的行列中。

我司生产的D1系列三相异步电动机采用自主研发的电机端盖特殊设计,以降低噪音为目的,同时大大提升了产品的稳定性;D1CS系列消防排烟耐高温电机,采用耐高温结构设计,可满足在250℃高温环境下连续稳定运转超过2小时,是工程隧道、矿山、通风系统等理想的驱动首选;最新设计生产的YBX3防爆系列产品已经通过防爆产品安全质量认证,已经投入批量生产,填补了我公司防爆产品空白;我司所生产的YXT系列伺服永磁及直驱电机采用科学环保及高效结构设计,多项指标已达国内领先水平;我司具有多年生产各种系列变频调速三相异步电动机的历史,如:D1TP及YVP系列变频调速电动机、YGP、YG系列辊道用变频调速电动机等,变频调速范围广,制动精确,能适应频繁调速、运行的各种设备。

我公司还生产YE2(YX3)高效率、YE3超高效率及YE4超超高效率电动机,YKK系列中高压电动,YZR起重冶金电动机、Y系列、Y2系列三相异步电动机、YD变极多速电动机、及各种特殊系列电动机等。年生产能力达500万千瓦,出口创汇超过千万美元。顾客遍及国内多数省、市,并出口到东南亚、拉美、非洲、欧洲等几十个国家和地区。

我公司于1995年在东北电机行业中首家通过了ISO9001质量认证、国家CCC认证、CQC认证及欧盟CE认证,并成为大连市质量信得过企业和高新技术企业,并获得辽宁省名牌产品的殊荣。

Our company

Dalian Dalmo Electric Motor Co., Ltd. founded in June 1996, is one of the designated motor manufacturers for the Ministry of Mechanical Industry of PRC. As a national grade-two and medium-sized enterprise, the company lists on "TOP 500 Chinese Largest Electric Appliance Manufacturers" in 1993.

Our D1 series motor adopts special end-cover which is fully designed and manufactured by our self aimed at lower noise and super performance ability; D1CS series smoke exhaust high temperature motor can works for more than 2 hours in environment temperature over 250℃, this product suits for working in tunnel project、mine、ventilation system; we have gained the YBX3 anti-explosion production approval and safety certification; we can also produce YXT series permanent magnetic serve motor, most technical specifications and standards characterized as environment-friendly、high efficiency which is up the national standard. We have years of experience for producing frequency adjustable speed motor, such as D1TP and YVP series, YGP and YG series roller way frequency adjustable speed motor, all these motors can works with great ability of precise braking, wide range of frequency regulation, and is widely used in equipment with frequently starting and braking.

We also produce YE2 series high efficiency、YE3 ultra efficiency motor, YKK series medium&high voltage motor, YZR crane motor, Y&Y2 series electric motor, YD multi_pole_changing motor and other special motors.

Annual output of 5 million KWs, export revenue exceeds \$10million. The products are sold to over ten provinces and cities in China, the products exports to Southeast Asia, South America, Africa, and Europe, etc.

Our company gained certification ISO9001 in 1995, and then gained national CCC、CQC and CE certification. The company was ranked as “Quality Credible Enterprise” and “High and Updating Technology Enterprise” in Dalian, the products was also rewarded as the “Famous Products” in Liaoning province.



1. 防爆基础知识

1.1 电气设备分类

Ⅱ类除煤矿外的其他爆炸性气体环境用电气设备。Ⅱ类爆炸性气体的特性进一步分类为：Ⅱ A、Ⅱ B。Ⅱ类常见可燃性气体、蒸汽、温度组举例见表1：

1. Basic knowledge about explosion proof

1.1 Category according electro equipment

Class II :Electric equipment working under environment with explosion atmosphere except coal mine. Class II explosion atmosphere can be diversified into two classes according characters: class II A、II B. General class II explosion gas, vapour and temperature team are shown in table 1.

表1 Table 1

级别 Type	组别 Type			
	T1	T2	T3	T4
Ⅱ A	甲烷、醋酸乙烷、丙烷、苯乙烯、苯、二苯甲、甲苯、一氧化碳 methane,Ethyl acetate,propene,styrene,benzene,methyl benzene,carbon monoxide	丁醇、丁烷、乙醇、丙烯、乙苯、甲醇、丙醇 butanol,butane,ethyl alcohol,propylene,ethylbenzene,methyl alcohol,propyl alcohol,propylene,ethylbenzene,methyl alcohol,propyl alcohol	环己烷、戊烷、己烷、庚烷、辛烷、煤油、柴油、车用汽油、葵烷 cyclohexane,pentane,ethane,heptane,octane,kerosene,diesel,gasoline,	乙醛 acetic acid
Ⅱ B	丙炔、环丙烷、焦炉煤气 allylene,cyclopropene,gas	环氧乙烷、乙烯、1, 2 环氧丙烷 ethylene oxide, ethylene, ethylene epoxide propane	二甲醚、四氢糠醚、丁烯酸、丙烯酸、硫化氢 dimethyl ether, four hydrogen chaff ether, butenoic acid, acrylic acid,suffuretted hydrogen	乙基甲基醚、二乙醚、四氟乙烯 ethyl methyl ether, diethyl ether,

1.2 不同温度组别对应表面最高温度见表2：

Marx temperature value according different temperature team are shown in table 2:

表2 Table 2

爆炸性混合物组别 explosive mixture group	T1	T2	T3	T4
电机表面最高允许温度 (C) Marx.motor temperature	450	300	200	135

1.3 防爆原理

隔爆型“Ex d”电机是防爆电机的一种形式，其原理是将设备在正常运行时，将有可能产生火花、电弧或危险高温的部件置于隔爆外壳内，隔爆外壳能承受内部压力而不致损坏，并能保证内部的火焰气体通过间隙传播时，降低能量，不足以引爆壳外气体。

1.3 Principle of explosion proof

Anti-explosion “Ex d” motor is a mode of explosion proof motor. When equipment are working, it may cause electrical spark、arc, or there's too hot parts are placed inside anti-explosion motor frame which can support out pressure and keep the part from damage, and also guarantee flammable gases transit freely and then di-energized, not enough ignite outside atmosphere.

2. 产品概述

YBX3 系列高效率隔爆型三相异步电动机，是我公司自行研制开发的全封闭、自扇冷、鼠笼式、高效率隔爆型三相异步电动机的基本系列。效率符合 GB18613-2012 《中小型三相异步电动机能效限定值及性能等级》中的 2 级能效，具有性能优良，使用安全可靠，振动、噪音比同类产品低的特点，符合环保的要求。

本系列电动机防爆性能符合 GB3836.1-2010 和 GB3836.2-2010《爆炸性环境 第 2 部分：由隔爆外壳“d”保护的设备》的规定，制成隔爆型。防爆标志为 Ex db II B T4，适用于有爆炸性气体混合物存在的场所。

Ex db II B T4 适用于工厂用 II B 类，温度组别为 T1、T2、T3 和 T4 组爆炸性气体混合物存在的环境。

在 YBX3 基本系列电动机基础上，也可以制成 YBX3-W 户外型、YBX3-TH 湿热带型、YBX3-THW 户外湿热带型、YBX3-TA 干热带型、YBX3-TAW 户外干热带型、YBX3-T 热带型、YBX3-TW 户外热带型及 YBX3-WF1 户外中等防腐蚀型等气候环境条件。

3. 执行标准

YBX3 系列高效率隔爆型三相异步电动机主要执行标准如下：

GB755-2008 旋转电机 定额和性能

BG/T 1032-2012 三相异步电动机试验方法

GB 3836.1-2010 爆炸性环境 第 1 部分：设备 通用要求

GB 3836.2-2010 爆炸性环境 第 2 部分：由隔爆外壳“d”保护的设备

GB/T 4942.1-2006 旋转电机整体外壳结构的防护等级 (IP 代码) 分级

GB/T 10068-2008 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 10069.1-2006 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 18613-2012 中小型三相异步电动机能效限定值及能效等级。

2. Product remarks

YBX3 series explosion proof 3-phase electric motor is totally enclosed, self-fan cooling, squirrel caged, high efficiency and anti-explosion basic series product. The efficiency conforms to IE2 standard stipulated in GB18613-2012 «Limited efficiency value and rate for small and medium output electric motor». The motor characterized as good performance, working safety, low vibration and noise, free pollution.

The anti-explosion ability of this series motor conforms to articles stipulated in GB3836.2-2010 «Explosive environment, section 2: Equipment protected by anti-explosion frame “D”», produced as explosion proof type.

Ex db II B T4, suit for factory using II B, temperature team is T1,T2,T3 and T4,working in places where there is explosive gas mixture.

Based on the basic types, YBX3 series motor can be made as YBX3-W out-door type, YBX3-TH(tropical type),YBX3-THW out-door, tropical type,YBX3-TA dry-tropical type,YBX3-T tropical type,YBX3-TW out-door, tropical type and YBX3-WF1 out-door, medium-corrosive type, and other climate environment.

3. Applying standard

YBX3 series explosion proof high efficiency motor apply the following standards:

GB755-2008 rotation motor rated performance.

BG/T 1032-2012 3-phase electric motor testing method.

GB 3836.1-2010 explosive environment, section 1: Equipment General Requirement.

GB 3836.2-2010 explosive environment, section 2: Equipment protected by anti-explosion frame.

GB/T 4942.1-2006 rotation motor frame structure protection degree(IP)

GB/T 10068-2008 machinery vibration, machinery vibration testing, valuation and limited value.

GB/T 10069.1-2006 rotation motor noise testing method and limited value, section 1: Rotation motor noise testing method.

GB/T 18613-2012 limited efficiency value and degree of medium and small size electric motor.

型号及结构说明

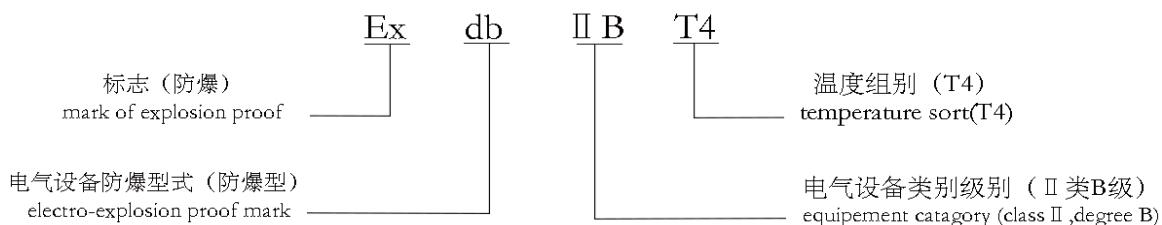
Type and structure

4, 型号说明

Motor type illustration

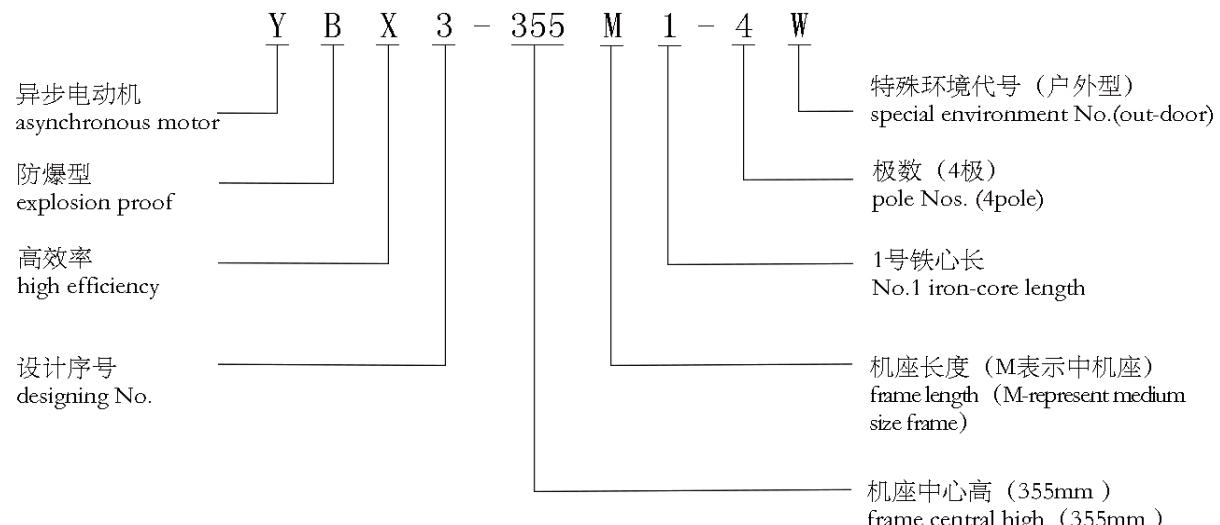
4.1 电动机防爆标志代表的意义：

4.1 symbol of explosion marks



4.2 电动机型号代表意义示例：

4.2 example of motor types symbol



5, 结构说明

5.1 电动机的隔爆结构具有：Ex db II B T4。

5.2 电动机主体外壳防护等级为：IP55。

5.3 电动机的冷却方式为：IC411。

5.4 电动机的绝缘等级为 155 (F) 级。

5.5 电动机有一个圆形轴伸，联轴器或正齿轮传动。

5.6 机座号 160 及以上可根据用户需要还可设置加热带或者 PTC 测温；机座号 112 及以上电机可根据用户需要设置防爆呼吸排水阀；机座号 250 及以上根据用户需要可设置定子及轴承测温装置。

5, Structure

5.1 Structure of anti-explosion includes: Ex db II B T4 Gb

5.2 Motor frame protection degree: IP55.

5.3 Cooling method: IC411.

5.4 Insulation class IP55(F degree).

5.5 There is one driving end, may using linker or gear wheel.

5.6 For motor frame size 160 and upward, belt heater, PTC thermo testing device are available, and for motors frames size 112 and downward anti-explosive valve are available on request, stator and bearings can also be fixed with thermostatic device for motor frame 250 and upwards.

接线盒结构、电机使用环境条件

Terminal box and motor working conditions

5.7 接线盒出线口可四个方向调整，但接线盒朝后（朝非轴伸端）时，由于吊环的影响，需用户在安装现场将电机吊装到位后，取下吊环进行出线口朝后调装。

5.8 电动机接线盒结构

电动机接线盒具有优良的隔爆结构性能和较高防护等级，且具有较大的空腔以便于接线，进线分为橡套电缆、钢管布线两种。按不同起动要求，可分别制成一个进线口（适用于电动机直接起动）和两个进线口（H250 及以上适用于电动机 Y-△ 起动）。接线盒进线口及适用范围见表 3。

5.7 Terminal-box can be adjusted in all directions. If the terminal-box must locate in the back (looking from the driving end), due to the ring's position, the ring must be taken off and let the cable entry to the back when the motor is ready for installation.

5.8 Terminal-box structure

The motor terminal-box has superior anti-explosive capability and higher degree of protection, there is sufficient fraction for connection, entry cable adopts rubber and steel-pipe distributing the cable. There is one entry(suit for direct starting) or two entries(suit for frame H250 and downwards Y-△ start). Terminal-box entry dimensions and types are shown in table 3.

表 3 table 3

接线盒规格 terminal-box size	适用机座号 frame type	进线口数 entry Nos.	进线电缆最大 外径 (φ) Marx entry diameter	钢管布线进线口螺纹 threaded entry size	正常供货范围 range available
M5 (小)	80 ~ 100	单	25	M30 × 2	正常
M5	112 ~ 132	单	25	M30 × 2	正常
M6	160 ~ 180	单	35	M36 × 2	正常
M8	200 ~ 225	单	42	M48 × 2	正常
M10	250 ~ 280	单	50	M64 × 2	正常
M10	250 ~ 280	双	42	M48 × 2	特殊
M16	315 ~ 355	单	64		正常
M16	315 ~ 355	双	50		特殊

6. 使用条件

6.1 电动机电气使用条件

6.1.1 额定电压：380、660、380/660、400、690、400/690V，（注：基本系列3kW及以下电压380V为Y接，3kW及以上电压380V为△接；也可以按特殊电压制造）。

6.1.2 额定频率：50HZ或者60HZ。

6.1.3 工作制：S1连续工作制。

6.2 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-15~40℃的户内环境。

YBX3 为基本型，适用于户内环境

YBX3-W 适用于户外型环境

YBX3-TH 适用于户内湿热带型环境

6. Working condition

6.1 Electrical working conditions

6.1.1 Rated voltage: 380、660、380/660、400、690、400/690V. Basic series 3.0kW and upwards adopts 380V, "Y" connection; 3.0kW and downwards adopts 380V, "△" connection, special voltage are available.

6.1.2 Rated frequency: 50Hz or 60Hz.

6.1.3 Working mode: S1 continuous working duty.

6.2 Working environment conditions

Not over 1000m sea level, surround temperature according seasons, in-door temperature -15 ~ 40℃ .

YBX3 is basic series motor which works in door

YBX3-W suits for working out-door

YBX3-TH suits for working in-door (tropical type)

使用环境条件及安装结构

Environment and structure

YBX3-THW 适用于户外湿热带型环境
YBX3-TA 适用于户内干热带型环境
YBX3-TAW 适用于户外干热带型环境
YBX3-T 适用于户内热带型环境
YBX3-TW 适用于户外热带型环境
YBX3-WF1 适用于户外中等腐蚀的环境

YBX3-THW suits for working out-door (tropical type)
YBX3-TA suits for working in-door dry-tropical
YBX3-TAW suits for working out-door dry-tropical
YBX3-T suits for working in-door tropical
YBX3-TW suits for working out-door tropical
YBX3-WF1 suit for out-door, medium-corrosive type

7, 技术数据

7.1 YBX3 电动机电气性能参数见表 7.1 ~ 7.3。效率符合 GB18613-2012 《中小型三相异步电动机能效限定值及性能等级》中的 2 级能效。
7.2 YB3 电动机电气性能参数见表 8.1 ~ 8.3。效率符合 GB18613-2012 《中小型三相异步电动机能效限定值及性能等级》中的 3 级能效。

8, 结构及安装和外形尺寸

8.1 本系列电动机的安装尺寸符合 GB997 《电机结构及安装型式代号》及 IEC34-7 的规定。本系列电动机有以下 5 种基本结构型式：

B3: 机座带底脚、端盖无凸缘的结构型式；
B5: 机座不带底脚、端盖有凸缘的结构型式；
B35: 机座带底脚、端盖有凸缘的结构型式；
B14: 机座不带底脚、端盖有小凸缘的结构型式；
B34: 机座带底脚、凸缘有小端盖的结构型式。

结构及安装型式示意图见表 4。

7, Technical data

7.1 Please check YBX3 series motor electric technical data in table 4. Efficiency conforms to GB18613-2012 <Limited efficiency value and performance degree>.
7.2 Please check YB3 series motor electric technical data in table 5. Efficiency conforms to GB18613-2012 <Limited efficiency value and performance degree>.

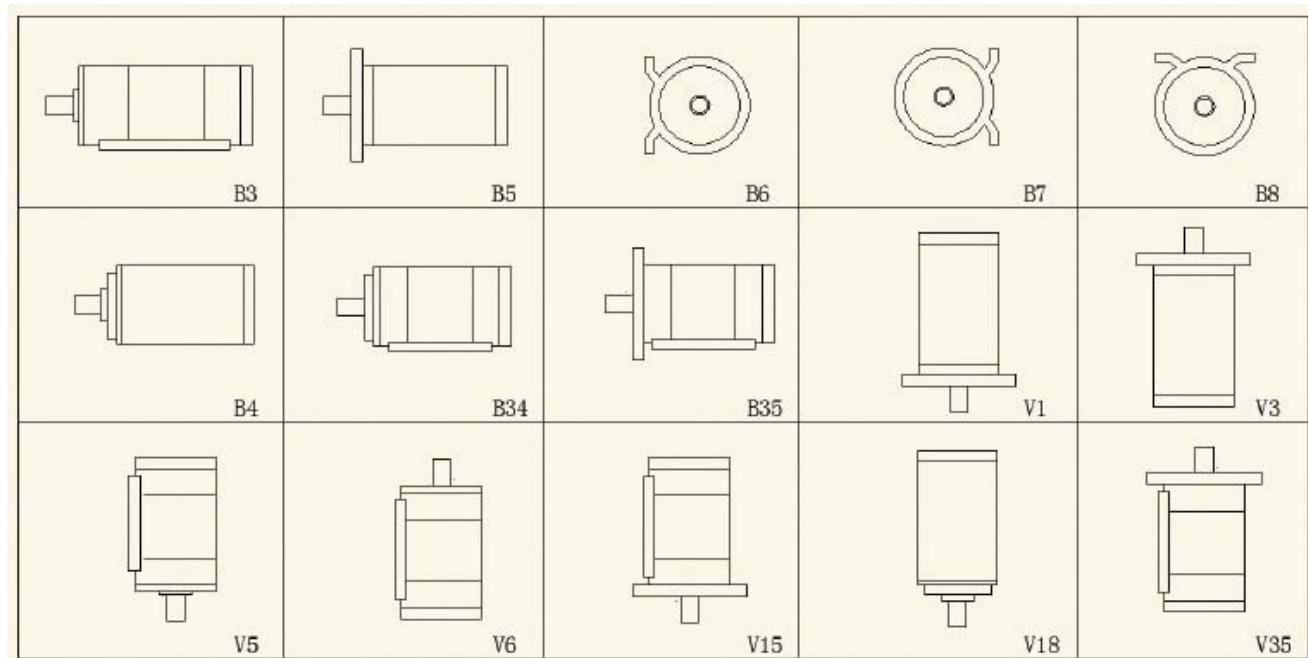
8, Structure, installation and overall dimensions

Dimensions and arrangement of YBX3 motor conforms to GB997 <Motor structure and installation symbol> and IEC34-7. There are 5 basic structure and installation mode:

B3: Motor with feet, end-cover without flange.
B5: Motor without feet, end-cover with flange.
B35: Motor with feet, end-cover with flange.
B14: Motor with feet, end-cover with flange whose diameter smaller than the end-cover.
B34: Motor with feet and flange with small cover.

Structure and installations are listed in table 4.

表 4 table 4



派生安装结构、轴承及润滑

Derived structure, bearing and lubricant

本系列派生的结构及安装型式，见表 5。

Derived structure and installations, see table 5.

表 5 table 5

机座号 frame size	结构及安装型式代号 (IM) Structure and installation symbol
80 ~ 112	B3、B5、B6、B7、B8、B14、B34、B35、V1、V3、V5、V6、V15、V18、V35
132 ~ 160	B3、B5、B6、B7、B8、B35、V1、V3、V5、V6、V15、V35
180 ~ 280	B3、B5、B35、V1
315 ~ 355	B3、B35、V1

8.2 常规电机轴承牌号及润滑时间见表 6。

润滑脂常用规格为：HTHS 长城高温高速润滑脂 (-40 °C ~ 180 °C)

注：

a, 在装配轴承时，2 极电机油脂用量为轴承室的一半，4 极及以上为 3/4, 这些数据只适用于 50HZ。

b, 对于 60HZ, 时间间隔需要乘以 0.8 (如对轴承或润滑脂有特殊要求, 请订货时说明)。

c, 对于 V5 及 V1 安装, 润滑间隔除以 2。

d, 如果工作温度高于 70 °C, 温度每升高 15 °C, 加油周期减半。

8.2 Bearing types and lubricant period are shown in table 6.
Lubricant type: HTSH Great Wall high temperature high speed grease (-40 °C ~ 180 °C).

Note:

a, Volume of bearing grease of 2 pole motor shall be half of the bearing house, and shall be 3/4 volume of the bearing house for motor of 4 poles and upwards when installing the bearing, frequency of these motors 50HZ.

b, Lubricant period should be 0.8 of the normal for motors frequency 60HZ(if there's a special request, please indicate when ordering).

c, Lubricant period should be half of the normal for motors with V5 and V1 structure.

d, If the motor surrounding temperature is above 70 °C, for every 15 °C rising, the lubricant period should decrease by half.

表 6 table 6

机座号 frame	极数 Pole	轴承牌号 (轴伸端) Bearing D.E	轴承牌号 (非轴伸端) Bearing N.D.E	油量 (g) Grease	润滑间隔 (h) lubricant period	
80	2 ~ 8	6204/2RZ	6204/2RZ	-		
90	2 ~ 8	6205/2RZ	6205/2RZ	-		
100	2 ~ 8	6206/2RZ	6206/2RZ	-		
112	2 ~ 8	6206/2RZ	6206/2RZ	-		
132	2 ~ 8	6208/2RZ	6208/2RZ	-		
160	2	6209/V2	6209/V2	25	2000	
	4 ~ 8	6309/V2			3000	
180	2	6211/V2	6211/V2		2000	
	4	6311/V2			3000	
200	2	6212/V2	6212/V2	30	2000	
	4 ~ 8	6312/V2			3000	
225	2	6312/V2	6312/V2		2000	
	4 ~ 8	6313/V2			3000	
250	2	6313/V2	6313/V2		2000	
	4 ~ 8	6314/V2			3000	
280	2	6314/C3	6314/C3	30	2000	
	4 ~ 8	6317/C3		35	3000	
315	2	6316/V2	6316/V2	35	2000	
	4 ~ 10	N319/C3	6319/C3	40	3000	
355	2	6319/Z2	6319/Z2	35	2000	
	4 ~ 10	NU322	6322/Z2	40	3000	

YBX3 系列防爆高效率电机技术数据 (表 7.1)

Technical data table 7.1

型号 type	功率 output kW	转速 speed r/min	效率 Eff.%	功率 因数 power factor $\cos \phi$	额定 电流 rated current	堵转电流 locked current	额定 转矩 rated torque	堵转转矩 locked torque	最大转矩 Max torque	转动 惯量 moment inertia kg.m ²	重量 weight kG
同步转速 3000r/min											
YBX380M1-2	0.75	2850	80.7	0.83	1.7	6.8	2.51	2.3	2.3	0.005	43
YBX380M2-2	1.1	2840	82.7	0.83	2.4	7.3	3.70	2.3	2.3	0.007	46
YBX390S-2	1.5	2850	84.2	0.84	3.2	7.6	5.03	2.3	2.3	0.009	52
YBX390L-2	2.2	2850	85.9	0.85	4.6	7.8	7.37	2.3	2.3	0.017	55
YBX3100L-2	3	2870	87.1	0.87	6.1	8.1	9.98	2.3	2.3	0.03	71
YBX3112M-2	4	2890	88.1	0.87	7.8	8.3	13.22	2.3	2.3	0.063	98
YBX3132S1-2	5.5	2900	89.2	0.88	10.7	8.0	18.11	2.2	2.3	0.073	115
YBX3132S2-2	7.5	2900	90.1	0.89	14.3	7.8	24.70	2.2	2.3	0.21	125
YBX3160M1-2	11	2940	91.2	0.89	20.6	7.9	35.73	2.2	2.3	0.25	177
YBX3160M2-2	15	2940	91.9	0.89	22.9	8.0	48.72	2.2	2.3	0.31	191
YBX3160L-2	18.5	2940	92.4	0.89	34.2	8.1	60.09	2.2	2.3	0.37	212
YBX3180M-2	22	2950	92.7	0.89	40.5	8.2	71.22	2.2	2.3	0.63	278
YBX3200L1-2	30	2950	93.3	0.89	54.9	7.5	97.12	2.2	2.3	0.73	366
YBX3200L2-2	37	2950	93.7	0.89	67.4	7.5	119.78	2.2	2.3	1.28	385
YBX3225M-2	45	2960	94	0.89	81.7	7.6	145.19	2.2	2.3	1.55	460
YBX3250M-2	55	2970	94.3	0.89	99.6	7.6	176.85	2.2	2.3	1.89	560
YBX3280S-2	75	2970	94.7	0.89	135.2	6.9	241.16	2.0	2.3	2.02	730
YBX3280M-2	90	2970	95	0.89	161.7	7.0	289.39	2.0	2.3	2.26	850
YBX3315S-2	110	2980	95.2	0.89	197.3	7.1	352.52	1.9	2.2	2.42	1265
YBX3315M-2	132	2980	95.4	0.89	236.2	7.1	423.02	1.9	2.2	2.726	1334
YBX3315L1-2	160	2980	95.6	0.89	285.7	7.1	512.75	1.9	2.2	3.22	1553
YBX3315L-2	185	2980	95.7	0.89	330.0	7.1	592.87	1.9	2.2	3.41	1725
YBX3315L2-2	200	2980	95.8	0.89	356.4	7.1	640.94	1.9	2.2	3.86	1840
YBX3355S1-2	185	2980	95.8	0.89	329.7	7.1	592.87	1.9	2.2	4.82	1944
YBX3355S2-2	200	2980	95.8	0.89	356.4	7.1	640.94	1.9	2.2	5.46	1944
YBX3355M1-2	220	2980	95.8	0.89	392.0	7.1	705.03	1.8	2.2	6.22	2116
YBX3355M2-2	250	2980	95.8	0.89	455.5	7.1	801.17	1.8	2.2	6.54	2415
YBX3355L1-2	280	2980	95.8	0.89	499.0	7.1	897.32	1.8	2.2	6.95	2599
YBX3355L2-2	315	2980	95.8	0.89	561.3	7.1	1009.40	1.8	2.2	7.06	3260
同步转速 1500r/min											
YBX380M1-4	0.55	1390	77.80	0.75	1.4	6.3	3.78	2.3	2.3	0.007	43
YBX380M2-4	0.75	1390	82.50	0.75	1.9	6.5	5.15	2.3	2.3	0.012	46
YBX390S-4	1.1	1390	84.10	0.75	2.7	6.6	7.56	2.3	2.3	0.015	51
YBX390L-4	1.5	1390	85.30	0.75	3.6	6.9	10.31	2.3	2.3	0.031	55
YBX3100L1-4	2.2	1420	86.70	0.81	4.8	7.5	14.8	2.3	2.3	0.039	71
YBX3100L2-4	3	1420	87.70	0.82	6.3	7.6	20.18	2.3	2.3	0.059	98
YBX3112M-4	4	1430	88.60	0.82	8.4	7.7	26.71	2.3	2.3	0.113	115
YBX3132S-4	5.5	1450	89.60	0.82	11.4	7.5	36.22	2.0	2.3	0.167	125
YBX3132M-4	7.5	1450	90.40	0.83	15.2	7.4	49.4	2.0	2.3	0.36	127
YBX3160M-4	11	1460	91.40	0.85	21.6	7.5	71.95	2.0	2.3	0.42	189
YBX3160L-4	15	1460	92.10	0.85	29.2	7.5	98.112	2.0	2.3	0.68	212
YBX3180M-4	18.5	1470	92.60	0.86	35.3	7.7	120.19	2.0	2.3	0.072	275
YBX3180L-4	22	1470	93.00	0.86	41.8	7.8	142.93	2.0	2.3	0.81	300
YBX3200L-4	30	1470	93.60	0.87	56.0	7.2	194.9	2.0	2.3	1.21	423
YBX3225S-4	37	1480	93.90	0.87	68.8	7.3	238.75	2.0	2.3	1.85	460
YBX3225M-4	45	1480	94.20	0.87	83.4	7.4	290.37	2.0	2.3	2.32	477
YBX3250M-4	55	1485	94.60	0.88	100.4	7.4	353.7	2.0	2.3	2.86	676

YBX3 系列高效率防爆电机技术数据 (表 7.2)

YBX3 series motor technical data, table 7.2

型号 type	功率 output kW	转速 speed r/min	效率 Eff.%	功率 因数 power factor $\cos \phi$	额定 电流 rated current	堵转电流 locked current	额定 转矩 rated torque	堵转转矩 locked torque	最大转矩 Max torque	转动 惯量 moment inertia kg.m ²	重量 weight kg
YBX3 280S-4	75	1485	95.00	0.88	136.3	6.7	482.32	2.0	2.3	3.34	782
YBX3 280M-4	90	1485	95.20	0.88	163.2	7.0	578.79	2.0	2.3	4.68	915
YBX3 315S-4	110	1485	95.4	0.89	196.9	7.0	707.41	2.0	2.2	4.96	1323
YBX3 315M-4	132	1485	95.6	0.89	235.7	7.0	848.89	2.0	2.2	5.22	1380
YBX3 315L1-4	160	1485	95.8	0.89	285.1	7.0	1028.96	2.0	2.2	5.43	1518
YBX3 315L-4	185	1485	95.9	0.89	329.3	7.0	1189.73	2.0	2.2	5.62	1633
YBX3 315L2-4	200	1485	96.0	0.89	355.7	7.0	1286.20	2.0	2.2	6.45	1725
YBX3 355S1-4	185	1488	96.0	0.89	329.0	7.0	1187.33	2.0	2.2	6.56	1955
YBX3 355S2-4	200	1488	96.0	0.89	355.7	7.0	1283.6	2.0	2.2	6.88	2070
YBX3 355M1-4	220	1488	96.0	0.89	391.2	7.0	1411.96	2.0	2.2	7.22	2231
YBX3 355M2-4	250	1488	96.0	0.89	444.6	7.0	1604.5	2.0	2.2	7.46	2392
YBX3 355L1-4	280	1488	96.0	0.89	498.0	7.0	1797.04	2.0	2.2	7.68	2599
YBX3 355L2-4	315	1488	96.0	0.89	560.2	7.0	2021.67	2.0	2.2	7.8	2990
同步转速 1000r/min											
YBX3 80M1-6	0.37	890	62	0.70	1.3	4.7	3.97	1.9	2.0	0.039	46
YBX3 80M2-6	0.55	890	73.6	0.72	1.6	4.7	5.9	1.9	2.1	0.059	51
YBX3 90S-6	0.75	910	78.9	0.72	2.1	5.8	7.87	2.1	2.1	0.113	69
YBX3 90L-6	1.1	910	81	0.73	2.8	5.9	11.54	2.1	2.1	0.167	71
YBX3 100L-6	1.5	930	82.5	0.74	3.7	6.0	15.4	2.1	2.1	0.36	89
YBX3 112M-6	2.2	940	84.3	0.74	5.4	6.0	22.35	2.1	2.1	0.42	115
YBX3 132S-6	3	970	85.6	0.74	7.2	6.2	29.54	2.0	2.1	0.68	122
YBX3 132M1-6	4	970	86.8	0.74	9.5	6.8	39.38	2.0	2.1	0.072	127
YBX3 132M2-6	5.5	970	88	0.75	12.7	7.1	54.15	2.0	2.1	0.81	130
YBX3 160M-6	7.5	970	89.1	0.78	16.4	6.7	73.84	2.1	2.1	1.21	185
YBX3 160L-6	11	970	90.3	0.78	23.7	6.9	108.3	2.1	2.1	1.32	222
YBX3 180L-6	15	980	91.2	0.81	30.9	7.2	146.17	2.0	2.1	1.62	280
YBX3 200L1-6	18.5	980	91.7	0.81	37.9	7.2	180.28	2.1	2.1	1.84	366
YBX3 200L2-6	22	980	92.2	0.82	44.2	7.3	214.39	2.1	2.1	2.43	385
YBX3 225M-6	30	980	92.9	0.81	60.6	7.1	292.35	2.0	2.1	2.68	471
YBX3 250M-6	37	980	93.3	0.84	71.7	7.1	360.56	2.1	2.1	3.46	633
YBX3 280S-6	45	985	93.7	0.86	84.9	7.2	436.29	2.1	2.0	3.97	750
YBX3 280M-6	55	985	84.1	0.86	103.3	7.2	533.25	2.1	2.0	4.57	859
YBX3 315S-6	75	985	94.6	0.85	141.7	7.0	727.16	2.0	2.0	4.83	1242
YBX3 315M-6	90	985	94.9	0.84	171.6	7.0	872.59	2.0	2.0	5.32	1311
YBX3 315L1-6	110	985	95.1	0.85	206.8	7.0	1066.5	2.0	2.0	5.95	1506
YBX3 315L2-6	132	985	95.4	0.86	244.5	7.0	1279.8	2.0	2.0	7.32	1610
YBX3 355S-6	160	985	95.6	0.87	292.3	7.0	1551.27	1.9	2.0	7.89	1897
YBX3 355M1-6	185	985	95.7	0.87	337.3	7.0	1793.65	1.9	2.0	8.17	2024
YBX3 355M2-6	200	985	95.8	0.87	364.6	7.0	1939.09	1.9	2.0	8.25	2265
YBX3 355L1-6	220	985	95.8	0.87	401.0	7.0	2132.99	1.9	2.0	8.36	2461
YBX3 355L2-6	250	985	95.8	0.87	455.7	7.0	2423.86	1.9	2.0	8.38	2587
同步转速 750r/min											
YBX3 80M1-8	0.18	650	51	0.61	0.88	3.3	2.64	1.8	1.9	0.16	43
YBX3 80M2-8	0.25	650	54	0.61	1.2	3.3	3.67	1.8	1.9	0.18	46
YBX3 90S-8	0.37	670	62	0.61	1.5	4.0	5.27	1.8	1.9	0.2	52
YBX3 90L-8	0.55	670	63	0.61	2.2	4.0	7.84	1.8	2.0	0.22	55
YBX3 100L1-8	0.75	690	68.7	0.67	2.5	4.0	10.38	1.8	2.0	0.24	72

YBX3 系列防爆高效率电机技术数据 (表 7.3)

Technical data table 7.3

型号 type	功率 output kW	转速 speed r/min	效率 Eff.%	功率 因数 power factor $\cos \phi$	额定 电流 rated current	堵转电流 locked current	额定 转矩 rated torque	堵转转矩 locked torque	最大转矩 Max torque	转动 惯量 moment inertia kg.m ²	重量 weight kG
YBX3 100L2-8	1.1	690	70.7	0.67	3.5	5	15.22	1.8	2.0	0.25	90
YBX3 112M-8	1.5	690	72.8	0.71	4.4	5	20.76	1.8	2.0	0.28	116
YBX3 132S-8	2.2	710	77.9	0.71	6.1	6	29.59	1.8	2.0	0.3	123
YBX3 132M-8	3	710	78.9	0.73	8.0	6	40.35	1.8	2.0	0.32	128
YBX3 160M1-8	4	720	79.9	0.73	10.4	6	53.06	1.9	2.0	0.46	162
YBX3 160M2-8	5.5	720	82	0.74	13.8	6	72.95	1.9	2.0	0.61	176
YBX3 160L-8	7.5	720	84	0.75	18.12	6	99.48	1.9	2.0	1.06	212
YBX3 180L-8	11	720	86.4	0.75	25.8	6.5	145.9	2.0	2.0	1.6	268
YBX3 200L-8	15	730	86.9	0.76	34.5	6.6	196.23	2.0	2.0	2.28	382
YBX3 225S-8	18.5	740	89.1	0.76	41.5	6.6	238.75	1.9	2.0	2.74	431
YBX3 225M-8	22	740	89.6	0.78	47.8	6.6	283.92	1.9	2.0	3.67	454
YBX3 250M-8	30	740	90.4	0.79	63.8	6.6	387.16	1.9	2.0	5.16	639
YBX3 280S-8	37	740	90.9	0.79	78.3	6.6	477.5	1.9	2.0	5.82	705
YBX3 280M-8	45	740	91.4	0.79	94.7	6.6	580.74	1.9	2.0	6.74	815
YBX3 315S-8	55	740	92.3	0.80	113.2	6.6	709.8	1.8	2.0	7.35	1058
YBX3 315M-8	75	740	93.2	0.80	152.8	6.4	967.91	1.8	2.0	8.79	1265
YBX3 315L1-8	90	740	93.5	0.80	182.8	6.4	1161.49	1.8	2.0	9.18	1288
YBX3 315L2-8	110	740	93.5	0.82	218.0	6.4	1419.59	1.8	2.0	10.19	1495
YBX3 355S-8	132	740	93.8	0.82	260.8	6.4	1703.51	1.8	2.0	11.24	1886
YBX3 355M-8	160	740	94	0.82	315.4	6.4	2064.86	1.8	2.0	2.48	2093
YBX3 355L1-8	185	740	94	0.82	364.7	6.4	2387.5	1.8	2.0	13.56	2415
YBX3 355L2-8	200	740	94.2	0.82	388.7	6.4	2581.08	1.8	2.0	13.84	2450
同步转速 600r/min											
YBX3 315S-10	45	592	91.2	0.75	100.0	6.2	725.93	1.3	2.0	9.35	920
YBX3 315M-10	55	592	91.8	0.75	121.4	6.2	887.25	1.3	2.0	10.79	1100
YBX3 315L1-10	75	592	92.3	0.76	162.5	6.2	1209.88	1.3	2.0	11.18	1120
YBX3 315L2-10	90	592	92.9	0.77	191.2	6.2	1451.86	1.3	2.0	11.67	1300
YBX3 355S-10	90	592	92.9	0.78	188.7	6.2	1451.86	1.3	2.0	12.24	1640
YBX3 355M1-10	110	592	93.1	0.78	230.2	6.0	1774.49	1.3	2.0	13.48	1820
YBX3 355M2-10	132	592	93.5	0.78	275.0	6.0	2129.39	1.3	2.0	14.28	2100
YBX3 355L1-10	160	592	93.5	0.78	333.3	6.0	2581.08	1.3	2.0	15.3	2200



YB3 系列防爆电机技术数据 (表 8.1)

YB3 series motor technical data, table 8.1

型号 type	功率 output kW	转速 speed r/min	效率 Eff.%	功率 因数 power factor $\cos \phi$	额定 电流 rated current	堵转电流 locked current	额定 转矩 rated torque	堵转转矩 locked torque	最大转矩 Max torque	转动 惯量 moment inertia kg.m ²	重量 weight kG
YB3 80M1-2	0.75	2872	77.4	0.855	1.7	6.5	2.49	2.5	3.1	0.00078	41
YB3 80M2-2	1.1	2874	79.6	0.863	2.4	7.0	3.66	2.8	3.1	0.00096	43
YB3 90S-2	1.5	2870	81.3	0.865	3.2	7.0	4.99	2.9	3.1	0.0013	47
YB3 90L-2	2.2	2871	83.2	0.880	4.6	7.5	7.32	2.9	3.3	0.0015	49
YB3 100L-2	3	2884	84.6	0.896	6.0	7.7	9.93	2.9	3.1	0.0030	62
YB3 112M-2	4	2897	85.8	0.898	7.9	7.0	13.19	2.3	3.3	0.0055	91
YB3 132S1-2	5.5	2925	87.0	0.912	10.5	7.9	17.96	2.3	3.5	0.0110	101
YB3 132S2-2	7.5	2925	88.1	0.922	14.0	7.6	24.49	2.2	3.2	0.0127	108
YB3 160M1-2	11	2940	89.4	0.900	20.8	7.1	35.73	2.1	3.2	0.0378	158
YB3 160M2-2	15	2940	90.3	0.907	27.8	7.0	48.72	2.1	3.0	0.0450	176
YB3 160L-2	18.5	2940	90.9	0.912	33.9	7.2	60.09	2.2	3.0	0.0555	197
YB3 180M-2	22	2945	91.3	0.902	40.6	6.7	71.34	2.0	3.4	0.0755	258
YB3 200L1-2	30	2957	92.0	0.905	54.7	6.5	96.89	2.0	3.3	0.1245	339
YB3 200L2-2	37	2960	92.5	0.905	67.2	7.2	119.38	2.4	3.6	0.1395	371
YB3 225M-2	45	2972	92.9	0.903	81.5	6.5	144.60	2.0	3.3	0.2334	452
YB3 250M-2	55	2972	93.2	0.897	100	6.2	176.73	2.0	3.1	0.3130	538
YB3 280S-2	75	2978	93.8	0.909	133.6	6.4	240.51	2.1	3.1	0.5980	700
YB3 280M-2	90	2978	94.1	0.912	159.3	6.6	288.62	2.3	3.2	0.6770	810
YB3 315S-2	110	2979	94.3	0.912	194.3	6.8	352.64	1.8	3.1	1.1860	1135
YB3 315M-2	132	2979	94.6	0.914	232	6.7	423.16	1.8	3.0	1.8230	1244
YB3 315L1-2	160	2978	94.8	0.919	279	6.6	513.10	1.8	2.9	2.0800	1473
YB3 315L2-2	(185)	2979	94.9	0.921	321	6.8	593.07	2.0	3.0	2.4000	1625
YB3 315L3-2	200	2979	95.0	0.926	345	7.3	641.15	2.5	3.1	2.4500	1725
YB3 355S2-2	(200)	2981	95.0	0.932	343	8.2	640.72	1.7	3.1	2.5700	1844
YB3 355M1-2	(220)	2980	95.0	0.933	377	7.6	705.03	1.6	2.9	3.1400	2016
YB3 355M2-2	250	2980	95.0	0.938	426	8.1	801.17	1.8	3.0	3.5800	2315
YB3 355L1-2	(280)	2983	95.0	0.939	477	9.5	896.41	2.3	3.4	3.6500	2500
YB3 355L2-2	315	2985	95.1	0.940	535	9.8	1007.79	2.8	3.8	4.2000	3160
YB3 80M1-4	(0.55)	1415	76.0	0.752	1.5	5.3	3.71	2.9	3.0	0.0020	41
YB3 80M2-4	0.75	1420	79.6	0.761	1.9	5.9	5.04	3.0	3.2	0.0021	42
YB3 90S-4	1.1	1420	81.4	0.767	2.7	6.3	7.40	2.8	3.8	0.0022	48
YB3 90L-4	1.5	1420	82.8	0.780	3.5	6.4	10.09	2.7	3.7	0.0030	50
YB3 100L1-4	2.2	1436	84.3	0.813	4.9	6.7	14.63	2.9	3.3	0.006	63
YB3 100L2-4	3	1437	85.5	0.817	6.5	7.2	19.94	3.2	3.6	0.007	90
YB3 112M-4	4	1450	86.6	0.816	8.6	7.8	26.34	3.5	3.7	0.010	98
YB3 132S-4	5.5	1455	87.7	0.833	11.4	7.2	36.10	2.6	3.2	0.022	105
YB3 132M-4	7.5	1458	88.7	0.847	15.2	7.9	49.13	2.9	3.3	0.030	107
YB3 160M-4	11	1462	89.8	0.842	22.1	6.4	71.85	2.1	2.6	0.075	178
YB3 160L-4	15	1463	90.6	0.847	29.7	6.6	97.92	2.3	2.6	0.092	204
YB3 180M-4	18.5	1473	91.2	0.850	36.3	7.4	119.94	2.5	3.6	0.139	268
YB3 180L-4	22	1473	91.6	0.852	42.8	7.4	142.63	2.5	3.6	0.158	293
YB3 200L-4	30	1477	92.3	0.868	56.9	7.1	193.97	2.3	3.4	0.263	398
YB3 225S-4	37	1482	92.7	0.878	69.1	7.0	238.43	2.2	3.2	0.407	413
YB3 225M-4	45	1482	93.1	0.886	82.9	6.8	289.98	2.2	3.1	0.470	429
YB3 250M-4	55	1482	93.5	0.886	100.9	7.3	354.42	2.5	3.1	0.662	658
YB3 280S-4	75	1485	94.0	0.894	135.6	6.9	482.32	2.4	2.7	1.123	708

YB3 系列防爆电机技术数据 (表 8.2)

Technical data table 8.2

型号 type	功率 output kW	转速 speed r/min	效率 Eff.%	功率 因数 power factor $\cos \phi$	额定 电流 rated current	堵转电流 locked current	额定 转矩 rated torque	堵转转矩 locked torque	最大转矩 Max torque	转动 惯量 moment inertia kg.m ²	重量 weight kg
YB3 315S-4	110	1486	94.5	0.896	197.4	7.0	706.93	2.1	2.9	3.110	1158
YB3 315M-4	132	1487	94.7	0.899	235.6	7.4	847.75	2.4	3.0	3.610	1278
YB3 315L1-4	160	1488	94.9	0.900	284.6	8.1	1026.88	2.8	3.2	4.280	1413
YB3 315L2-4	(185)	1488	95.0	0.903	327.7	7.8	1187.33	2.7	3.0	4.720	1543
YB3 315L3-4	200	1488	95.1	0.900	355	8.1	1283.60	2.9	3.1	5.060	1640
YB3 355S2-4	(200)	1487	95.1	0.926	345	6.8	1284.47	2.0	2.9	5.480	1990
YB3 355M1-4	(220)	1486	95.1	0.931	377	6.8	1413.86	2.0	2.9	5.760	2141
YB3 355M2-4	250	1488	95.1	0.927	431	7.1	1604.50	2.1	3.0	6.120	2327
YB3 355L1-4	(280)	1488	95.1	0.925	484	7.4	1797.04	2.3	3.2	7.240	2534
YB3 355L2-4	315	1488	95.1	0.928	542	7.5	2021.67	2.3	3.1	7.830	2830
YB3 90S-6	0.75	920	75.9	0.711	2.1	4.1	7.79	2.5	2.7	0.003	64
YB3 90L-6	1.1	925	78.1	0.720	3.0	4.4	11.36	2.7	2.9	0.004	66
YB3 100L-6	1.5	950	79.8	0.743	3.8	5.4	15.08	2.6	2.8	0.007	80
YB3 112M-6	2.2	946	81.8	0.744	5.5	5.2	22.21	2.6	2.8	0.015	99
YB3 132S-6	3	957	83.3	0.787	7.0	5.5	29.94	2.1	2.5	0.029	103
YB3 132M1-6	4	962	84.6	0.788	9.1	6.1	39.71	2.3	2.6	0.036	108
YB3 132M2-6	5.5	964	86.0	0.787	12.3	6.5	54.49	2.5	2.8	0.045	112
YB3 160M-6	7.5	969	87.2	0.791	16.5	5.6	73.92	2.1	2.4	0.087	175
YB3 160L-6	11	969	88.7	0.797	23.6	5.6	108.41	2.1	2.4	0.117	210
YB3 180L-6	15	975	89.7	0.831	30.6	6.0	146.92	2.3	2.8	0.207	275
YB3 200L1-6	18.5	981	90.4	0.818	38.0	7.1	180.10	2.7	3.1	0.315	346
YB3 200L2-6	22	981	90.9	0.829	44.4	7.0	214.17	2.6	3.0	0.361	365
YB3 225M-6	30	984	91.7	0.848	58.6	6.5	291.16	2.2	2.4	0.547	460
YB3 250M-6	37	984	92.2	0.851	71.6	7.9	359.10	2.8	3.5	0.834	620
YB3 280S-6	45	990	92.7	0.856	86.2	7.4	434.10	2.7	3.0	1.400	695
YB3 280M-6	55	990	93.1	0.869	103.3	7.2	530.56	2.6	2.8	1.660	804
YB3 315S-6	75	990	93.7	0.867	140.3	6.1	723.48	2.0	2.5	4.110	1117
YB3 315M-6	90	990	94.0	0.874	166.4	6.4	868.18	2.1	2.6	4.750	1186
YB3 315L1-6	110	991	94.3	0.867	204.4	7.5	1060.04	2.7	2.9	5.650	1380
YB3 315L2-6	132	990	94.6	0.872	243	6.9	1273.33	2.5	2.7	6.520	1485
YB3 355S-6	160	990	94.8	0.892	288	7.0	1543.43	2.0	3.0	9.110	1827
YB3 355M1-6	(185)	990	94.9	0.894	331	6.8	1784.60	2.0	2.9	9.570	1954
YB3 355M2-6	200	990	95.0	0.893	358	7.2	1929.29	2.2	3.0	9.850	2195
YB3 355L1-6	(220)	990	95.0	0.897	392	6.9	2122.22	2.1	2.9	10.280	2390
YB3 355L2-6	250	990	95.0	0.897	446	7.1	2411.62	2.2	2.9	10.930	2510
YB3 100L1-8	0.75	691	74.0	0.710	2.2	3.8	10.37	2.1	2.6	0.007	63
YB3 100L2-8	1.1	691	75.8	0.728	3.0	3.9	15.20	2.1	2.6	0.011	82
YB3 112M-8	1.5	688	76.0	0.720	4.2	3.5	20.82	1.9	2.5	0.015	100
YB3 132S-8	2.2	708	81.0	0.730	5.7	4.5	29.68	2.1	2.8	0.031	104
YB3 132M-8	3	709	82.0	0.730	7.6	4.7	40.41	2.3	2.8	0.040	109
YB3 160M1-8	4	715	84.5	0.737	9.8	5.0	53.43	2.1	2.7	0.075	152
YB3 160M2-8	5.5	718	86.0	0.745	13.0	5.3	73.15	2.2	2.8	0.093	166
YB3 160L-8	7.5	719	86.9	0.745	17.6	5.5	99.62	2.3	2.9	0.125	202
YB3 180L-8	11	725	88.0	0.760	25.0	5.6	144.90	2.0	2.7	0.203	263
YB3 200L-8	15	731	90.0	0.765	33.1	5.8	195.96	2.0	2.6	0.339	362
YB3 225S-8	18.5	734	91.0	0.777	35.2	6.9	240.70	2.1	2.7	0.498	420

YB3 系列防爆电机技术数据 (表 8.3)

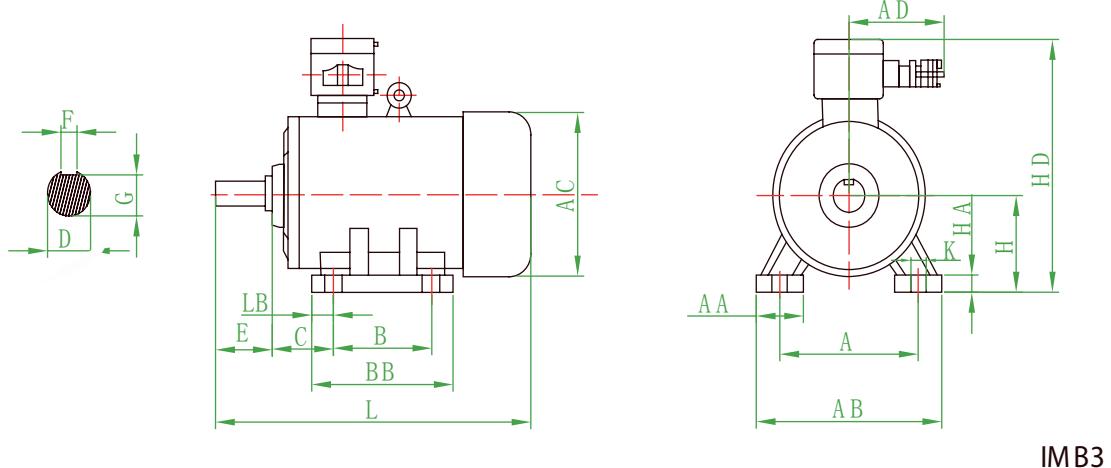
Technical data table 8.3

型号 type	功率 output kW	转速 speed r/min	效率 Eff.%	功率 因数 power factor $\cos \phi$	额定 电流 rated current	堵转电流 <u>locked current</u> 额定电流 rated current	额定 转矩 <u>locked torque</u> 额定转矩 rated torque	堵转转矩 <u>locked torque</u> 额定转矩 rated torque	最大转矩 <u>Max torque</u> 额定转矩 rated torque	转动 惯量 moment inertia kg.m ²	重量 weight kG
YB3 225M-8	22	733	91.0	0.795	46.2	6.4	286.63	1.9	2.5	0.547	443
YB3 250M-8	30	733	91.0	0.807	62.1	5.6	390.86	2.0	2.7	0.835	626
YB3 280S-8	37	737	92.0	0.815	75.0	5.4	479.44	1.9	2.4	1.40	650
YB3 280M-8	45	737	92.2	0.818	90.9	5.6	583.11	2.0	2.5	1.66	760
YB3 315S-8	55	740	92.5	0.815	111	5.6	709.80	1.9	2.4	3.79	1002
YB3 315M-8	75	740	93.1	0.826	148	5.2	967.91	1.8	2.2	5.59	1209
YB3 315L1-8	90	740	93.3	0.82	179	5.9	1161.49	2.0	2.4	6.38	1235
YB3 315L2-8	110	740	93.8	0.82	217	6.2	1419.59	2.2	2.5	7.42	1442
YB3 355S-8	132	743	94.4	0.856	248	6.1	1696.64	2.1	2.4	10.68	1816
YB3 355M-8	160	743	94.5	0.857	300	6.3	2056.53	2.2	2.5	12.76	2023
YB3 355L1-8	(185)	743	94.6	0.857	347	6.4	2377.86	2.3	2.5	14.28	2345
YB3 355L2-8	200	743	94.6	0.858	374	6.4	2570.66	2.3	2.5	16.8	2380
YB3 315S-10	45	592	92.0	0.767	97.0	4.4	725.93	1.7	2.2	4.64	864
YB3 315M-10	55	592	92.3	0.771	117	4.5	887.22	1.7	2.2	5.41	1044
YB3 315L1-10	75	593	92.6	0.773	159	4.7	1207.84	1.8	2.3	6.88	1070
YB3 315L2-10	90	593	92.8	0.771	191	4.9	1449.41	1.9	2.3	7.38	1248
YB3 355S-10	(90)	594	93.5	0.806	181	5.6	1446.97	1.6	2.3	12.14	1570
YB3 355M1-10	110	594	93.7	0.804	222	6.0	1768.52	1.7	2.4	12.55	1750
YB3 355M2-10	132	594	93.9	0.804	266	6.2	2122.22	1.8	2.5	14.56	2030
YB3 355L-10	160	595	94.0	0.803	322	6.6	2568.07	1.9	2.6	16.07	2130

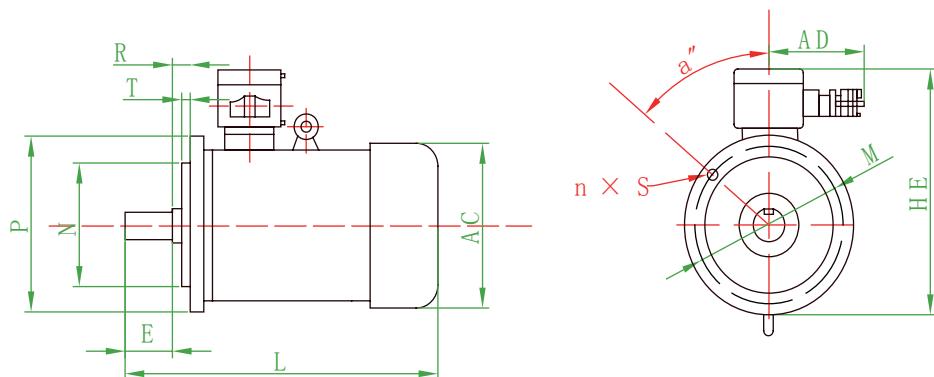


YBX3 系列高效率防爆电机结构图及安装尺寸

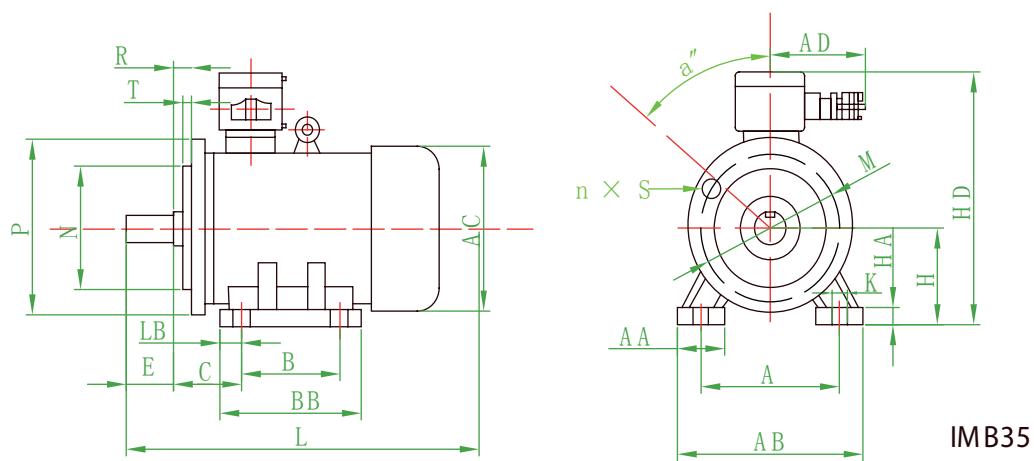
YBX3 series motor overall dimensions



IMB3



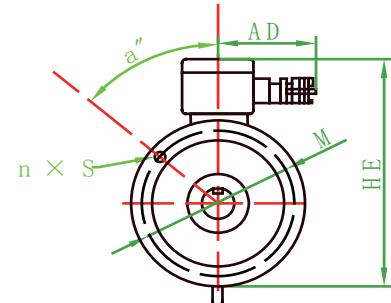
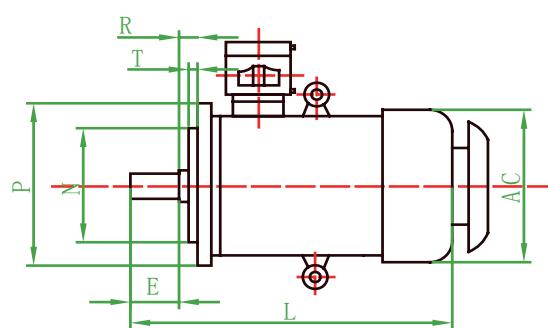
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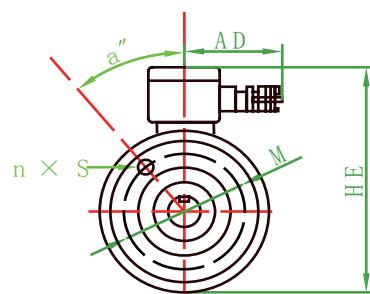
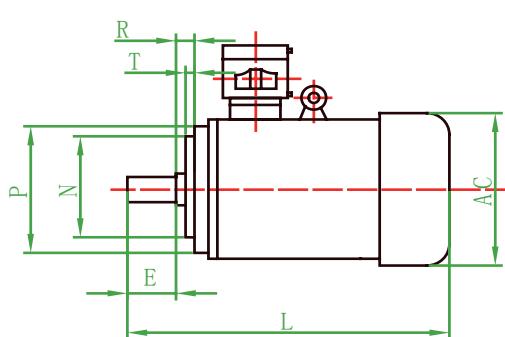
IMB35

YBX3 系列高效率防爆电机结构图及安装尺寸

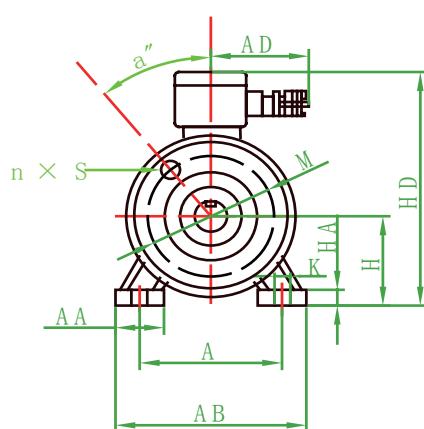
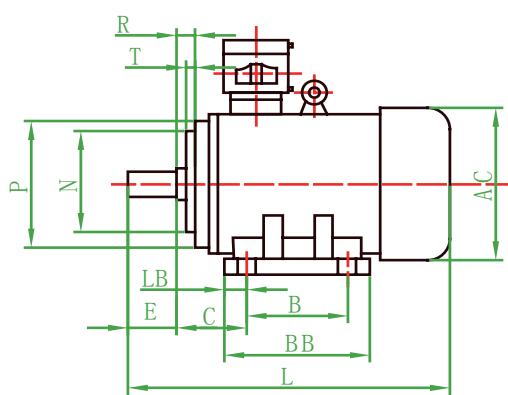
YBX3 series motor overall dimensions



IMV1



IMB14



YBX3 系列高效率防爆电机结构图及安装尺寸

YBX3 series high efficiency explosion proof motor dimension

机 座 号	凸缘号			安装尺寸																	
	IMB35 IMB5 IMV1	IMB14 IMB34	A	B	C	D		E		F		G		H	K	凸缘尺寸					
						极数		2P	≥ 4P	2P	≥ 4P	2P	≥ 4P	2P	≥ 4P	M	N	P	R	α"	n×S
80	FF165	FT100	125	100	50	19		40		5		15.5		80	10	165	130	200	0	45	4× ϕ 12
90S		FT115	140	100	56	24		50		8		20		90	10	165	130	200	0	45	4× ϕ 12
90L		FT115	140	125	56	24		50		8		20		90	10	165	130	200	0	45	4× ϕ 12
100L	FF215	FT130	160	140	63	28		60		8		24		100	12	215	180	250	0	45	4× ϕ 14.5
112M		FT130	190	140	70	28		60		8		24		112	12	215	180	250	0	45	4× ϕ 14.5
132S	FF265	-	216	140	89	38		80		10		33		132	12	265	230	300	0	45	4× ϕ 14.5
132M		-	216	178	89	38		80		10		33		132	12	265	230	300	0	45	4× ϕ 14.5
160M	FF300	-	254	210	108	42		110		12		37		160	14.5	300	250	350	0	45	4× ϕ 18.5
160L		-	254	254	108	42		110		12		37		160	14.5	300	250	350	0	45	4× ϕ 18.5
180M		-	279	241	121	48		110		14		42.5		180	14.5	300	250	350	0	45	4× ϕ 18.5
180L		-	279	279	121	48		110		14		42.5		180	14.5	300	250	350	0	45	4× ϕ 18.5
200L	FF350	-	318	305	133	55		110		16		49		200	18.5	350	300	400	0	45	4× ϕ 18.5
225S	FF400	-	356	286	149	55	60	110	140	16	18	49	53	225	18.5	400	350	450	0	22.5	4× ϕ 18.5
225M		-	356	311	149	55	60	110	140	16	18	49	53	225	18.5	400	350	450	0	22.5	4× ϕ 18.5
250M	FF500	-	406	349	168	60	65	140	140	18	18	53	58	250	24	500	450	550	0	22.5	4× ϕ 18.5
280S		-	457	368	190	65	75	140	140	18	20	58	67.5	280	24	500	450	550	0	22.5	4× ϕ 18.5
280M		-	457	419	190	65	75	140	140	18	20	58	67.5	280	24	500	450	550	0	22.5	4× ϕ 18.5
315S	FF600	-	508	406	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	22.5	8× ϕ 24
315M		-	508	457	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	22.5	8× ϕ 24
315L		-	508	508	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	22.5	8× ϕ 24
355S	FF740	-	610	500	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	0	22.5	8× ϕ 24
355M		-	610	560	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	0	22.5	8× ϕ 24
355L		-	610	630	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	0	22.5	8× ϕ 24

YBX3 系列高效率防爆电机结构图及安装尺寸

YBX3 series high efficiency explosion proof motor dimension

寸 (mm)								外形尺寸 (mm)												
寸								AA	AB	AC	AD	BB	HA	HD	HE	LB	L			
	IMB14、IMB34																2P	2P	≥ 4P	≥ 4P
T	M	N	P	R	α"	n×S	T										其它	V1	其它	V1
3.5	100	80	120	0	45	4×M6	3.0	34	165	180	200	135	10	320	320	14	330	375	330	375
3.5	115	95	140	0	45	4×M8	3.0	36	180	205	200	135	14	340	340	15	380	425	380	425
3.5	115	95	140	0	45	4×M8	3.0	36	180	205	200	160	14	340	340	15	405	450	405	450
4.0	130	110	160	0	45	4×M8	3.5	43	200	230	200	180	14	365	400	18	450	495	450	495
4.0	130	110	160	0	45	4×M8	3.5	50	245	245	225	185	16	400	420	20	520	580	520	580
4.0	-	-	-	-	-	-	-	60	280	270	225	190	18	470	490	28	550	610	550	620
4.0	-	-	-	-	-	-	-	60	280	270	225	230	18	470	490	28	600	660	600	660
5.0	-	-	-	-	-	-	-	70	330	325	240	270	20	530	530	24	720	795	720	795
5.0	-	-	-	-	-	-	-	70	330	325	240	314	20	530	530	24	750	820	750	820
5.0	-	-	-	-	-	-	-	70	355	360	240	318	22	565	565	35	770	840	770	840
5.0	-	-	-	-	-	-	-	70	355	360	240	355	22	565	565	35	790	860	790	860
5.0	-	-	-	-	-	-	-	70	390	420	290	370	25	645	645	32	850	925	850	925
5.0	-	-	-	-	-	-	-	75	435	450	290	355	28	690	690	35			890	970
5.0	-	-	-	-	-	-	-	75	435	450	290	380	28	690	690	35	890	970	920	1000
5.0	-	-	-	-	-	-	-	80	490	500	350	425	30	770	770	38	970	1065	970	1065
5.0	-	-	-	-	-	-	-	85	545	560	350	450	35	830	830	45	1010	1120	1010	1120
5.0	-	-	-	-	-	-	-	85	545	560	350	500	35	830	830	45	1075	1185	1075	1185
6.0	-	-	-	-	-	-	-	120	630	620	480	550	45	970	970	72	1200	1300	1300	1400
6.0	-	-	-	-	-	-	-	120	630	620	480	680	45	970	970	72	1320	1420	1400	1500
6.0	-	-	-	-	-	-	-	120	630	620	480	680	45	970	970	72	1320	1420	1400	1500
6.0	-	-	-	-	-	-	-	116	740	720	480	640	52	1100	1100	68	1420	1520	1490	1590
6.0	-	-	-	-	-	-	-	116	740	720	480	700	52	1100	1100	68	1500	1600	1570	1670
6.0	-	-	-	-	-	-	-	116	740	720	480	770	52	1100	1100	68	1650	1750	1680	1780

YBX3 系列防爆电机质量合格证

YBX3 series motor quality certification



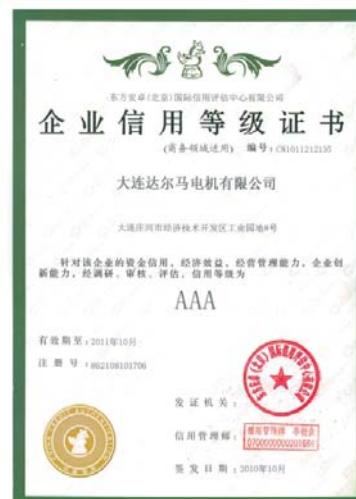


YBX3 系列防爆电机生产许可证

YBX3 series motor production licence

● Certificate

● 公司资质与证书





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