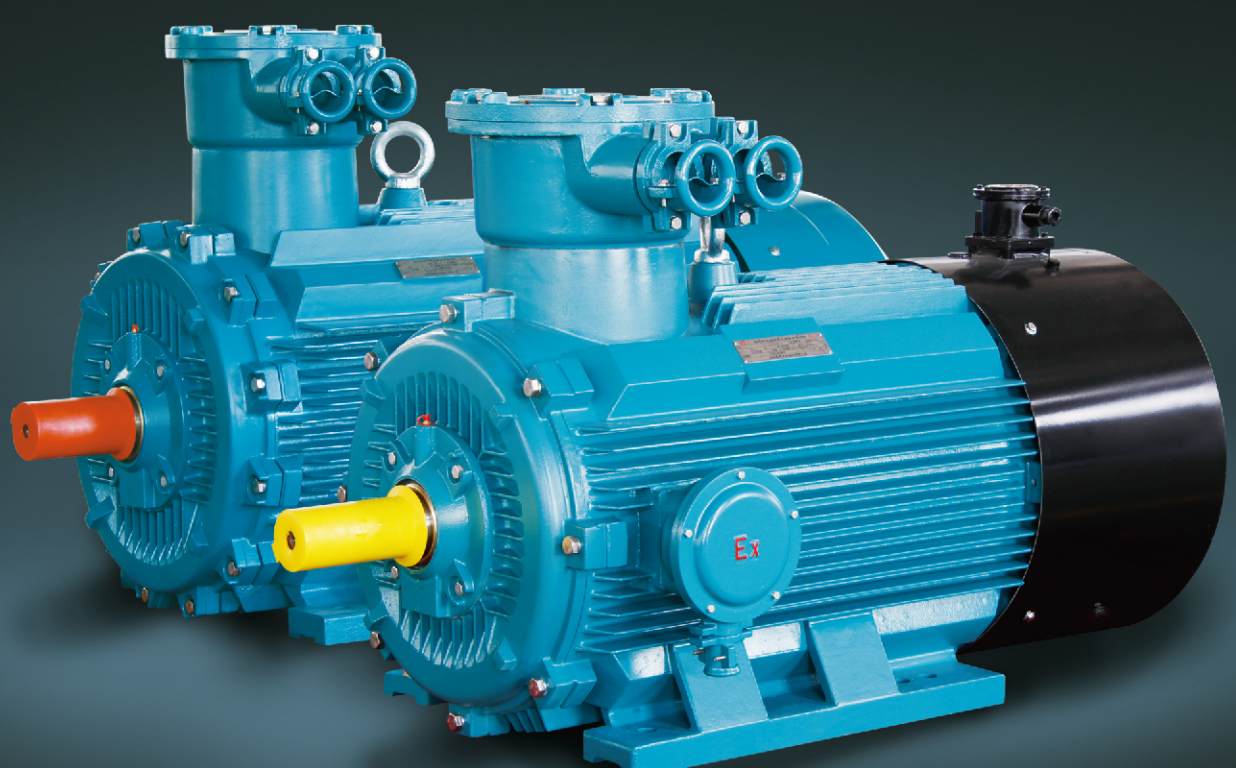
日兴® 富智大兴 FUZHIDAXING

隔爆型三相异步电动机
FLAMEPROOF Three Phase Induction Motor



山东富智大兴电机有限公司
Shandong Fuzhidaxing Motor Co.,Ltd.
EMAIL: daisywang@rcdx.cn

目 录 CONNECT

006 YBX3系列隔爆型三相异步电动机
YBX3 Series Flameproof Three-phase Asynchronous Motor

020 YBX4系列隔爆型三相异步电动机
YBX4 Series Flameproof Three-phase Asynchronous Motor

034 YBK3系列煤矿井下用隔爆型三相异步电动机
YBK3 Series Flameproof Three-phase Asynchronous Motor For Coal Mines

048 YBBP系列隔爆型变频调速三相异步电动机
YBBP Series Flameproof Variable-Frequency Adjustable-Speed Three-phase Asynchronous Motors

YBX3系列隔爆型三相异步电动机

YBX3 Series Flameproof Three-phase Asynchronous Motor

山东富智大兴电机有限公司（原荣成市大兴电机厂）位于胶东半岛东端——山东威海荣成。2015年，荣成市被划为中韩自贸区，与日本、韩国隔海相望，边贸往来十分密切。

山东富智大兴电机有限公司始建于2003年，是集科研开发、生产制造，销售服务于一体的现代化电机专业生产企业，现有职工300余人，公司占地面积8万平方米，总资产近2亿元，年产值可达3亿元，是山东省私营电机行业的佼佼者。

公司秉承“诚信为本，质量兴业”的理念，经过多年的市场磨炼，确立了以三相电动机为主导的生产体系，先后取得ISO9001认证、CCC认证、CE认证、职业健康安全管理体系认证、环境管理体系认证和出口认证等资质。主要产品有YE3超高效系列；YX3，YE2高效系列，YVF2变频调速系列电机；YT轴流风机系列；YD变极多速系列；低压大功率Y3系列；低压防爆；YKK高压电机；MS系列铝壳三相异步电动机，共300多个品种规格，产品广泛用于电力、矿山、化工、冶金、建筑、纺织等多个行业领域畅销全国各地并远销亚洲、非洲、南美洲等国家，深受用户好评。

山东富智大兴电机有限公司愿为您的成功提供不竭的动力，全体大兴人热诚欢迎各界朋友前来洽谈合作。

Shandong Fuzhidaxing Motor Co., Ltd (Former name :Rongcheng Daxing Motor Factory) is located in the east end of the Jiaodong Peninsula– Rongcheng city, Shandong Province. Rongcheng is classified as China–Japan–Korea Free Trade Area in 2015 and face the two countries across the sea.Trade business is very closely.

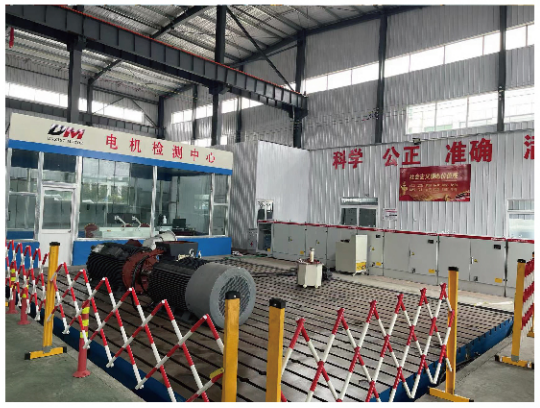
Shandong Fuzhidaxing Motor Co., Ltd was founded in 2003 and it is a colletion of Reserch & development, production, sales for the integration of modern professional motor manufacture. There are over 300 staffs working here, factory area more than 80,000 square meters. It has fixed assets over two hundred million Yuan and production value over three hundred million Yuan. It’s one of the best manufacture of motor fields in Shandong province.

Our compsny always insists on the idea of INTERGRITY–BASE,QUALITY FLOURISHING. After many years marketing experience company’s mainly focus on the three phase electric motor system and have awarded with certificates such as ISO9001、CCC、CE、Occupational health and safety management system certification、Environmental management system certification and Export Approval. Our products include 300 varieties types such as YE3 high efficiency series; YX3, YE2 efficiency Series; YVF2 frequency–variable & speed series; YT axial–ventilating series; YD multi–speed series; Low voltage high power Y3 series; Low pressure explosion proof; YKK high voltage motor;MS aluminum body series ect. Products have been widely used in Power、Mine、Chemical industry、Metal、Building & Textile field and well sold in Chinese domestic market, also become available in Asia、South America and Africa market. Our products are highly praised wherever they are sold.

Shandong Fuzhidaxing Motor Co., Ltd will provide the sustainable power for your success and warmly welcome you to visit our company.






电 机 检 测 中 心
科学 公正 准确






SHENG DA
ELECTRIC



企业精神
Entrepreneurial spirit

求实创新　用心服务
勇争一流　诚信高效
质量,立足之本;
管理，强业之路;
效益，兴业之路。
以质量求生存,
以质量求发展,
向质量要效益。

企业宗旨
Corporate purposes

诚信 创新 服务 共赢
强化竞争意识 营造团队精神




职业健康安全管理体系认证证书

山东富智大兴电机有限公司


环境管理体系认证证书

山东富智大兴电机有限公司


质量管理体系认证证书

山东富智大兴电机有限公司


中国国家强制性产品认证证书

主任：

中国质量认证中心


中国国家强制性产品认证证书

主任：

中国质量认证中心


中国国家强制性产品认证证书

主任：

中国质量认证中心


商标注册证

日兴


celab

CERTIFICATE

www.celab.com

YBX3系列隔爆型三相异步电动机

YBX3 Series Flameproof Three-phase Asynchronous Motor



产品概述 Product Introduction

YBX3 系列隔爆型高效率三相异步电动机符合 GB18613-2012《中小型三相异步电动机能效限定值及能效等级》中规定的二级效率标准，电动机按照 GB3836.2 的规定制成隔爆型，其防爆标志为 Exd Ⅱ BT4Gb、Exd Ⅱ CT4Gb。适用于Ⅱ类 A、B 级 T1 ~ T4 组可燃性气体或蒸汽与空气形成的爆炸性混合物的场所内的设备上，作为一般动力设备使用。

YBX3 series flameproof three-phase asynchronous motor is in line with the third efficiency standard in the provisions of GB18613-2012 "Minimum allowable values of energy efficiency and energy efficiency grades for small and medium three-phase asynchronous motors"., According to GB3836.2, the motor are made into a flameproof type. The explosion protection marks are Exd Ⅱ BT4Gb and Exd Ⅱ CT4Gb. It is applicable to the equipment in the places where the inflammable gas or explosive mixture of steam and air in class A and B groups T1 ~ T4, Used as general power equipment.

详细说明 Specification

◆现场条件

YBX3 系列电动机标准工作条件为海拔不超过 1000m，环境温度最低为 -15℃，环境温度最高为 40℃

◆温升和绝缘

电动机按 F 级绝缘设计（155℃），按 B 级绝缘考核（80K），电动机的使用寿命和可靠性得到保证。

◆冷却和通风

标准冷却方式为全封闭自扇冷。标准电机装有辅流式塑料风扇。符合 IEC60034-6 中 IC411 的规定。

◆防护等级 protection class

电动机的防护等级为 IP55，可用于含尘或潮湿环境。

◆电压、频率

机座号 80-100 电压为 380V

机座号 112-355 电压为 380V、660V、380/660V T

◆额定频率为 50HZ

在供电电压偏离额定电压 ±5% 的情况下，仍能良好运行。

◆接线盒位置

接线盒在机座上方可以四个方向进线，进线分为橡套电缆和钢管布线两种。

◆质量保证

从产品设计到产品出厂，遵循 ISO9001 质量认证体系，严格遵守质量程序。

◆ site conditions

The standard working condition of YBX3 series motor is no more than 1000m above sea level, the lowest ambient temperature is -15 ℃ , and the highest ambient temperature is 40℃ .

◆ Temperature rise and insulation

F class (155 ℃) insulation system and temperature rise class B (80K) are adopted to the motor.The service life and reliability of the motor are guaranteed.

◆ cooling and ventilation

The standard cooling method is fully enclosed self-fan cooling standard motor equipped with auxiliary flow plastic fan in accordance with the provisions of IC411 in iec60034-6.

◆ protection class

The standard protection class of motor is IP55,can be used in dusty or humid environment

◆ voltage 、 frequency

Frame size 80-100 ,the voltage is 380V

Frame size112-355, the voltage is 380V 660V 380/660v

◆ Rated frequency is 50HZ

Under the condition that the supply voltage deviates from the rated voltage by 5%, it can still run well.

◆ Terminal box position

Terminal box in the upper part of the frame can be four directions into the line, the line is divided into rubber cable and steel pipe wiring two kinds

◆ quality guarantee

From the product design to the delivery of products, follow the ISO9001 quality certification system, strict compliance with quality procedures.

技术数据 Technical Data

2 极 – 同步转速 3000r/min 380V/50HZ
2pole–3000rpm synchronous speed 380V 50HZ

型号 Motor Type	额定功率 Rated Power (KW)	额定转速 Rated speed (r/min)	额定电流 Rated Current (A)	效率 EFF η (%)	功率因数 Power factor cosφ	堵转转矩 额定转矩 Locked Torque Rated Torque	堵转电流 额定电流 Locked Current Rated Current	最大转矩 额定转矩 Maximum Torque Rated Torque	噪声 (dB)	重量 Weight (kg)
YBX3-80M1-2	0.75	2855	1.8	77.4	0.82	2.4	6.5	2.5	67	25
YBX3-80M2-2	1.1	2855	2.5	79.6	0.83	2.4	6.7	2.5	67	27
YBX3-90S-2	1.5	2875	3.3	81.3	0.84	2.4	7.3	2.6	72	31
YBX3-90L-2	2.2	2875	4.7	83.2	0.85	2.4	7.4	2.6	72	33
YBX3-100L-2	3	2880	6.1	84.6	0.87	2.5	7.8	2.5	76	46
YBX3-112M-2	4	2900	7.9	85.8	0.88	2.3	8.1	2.6	77	58
YBX3-132S1-2	5.5	2900	10.8	87	0.88	2.3	7.9	2.5	80	84
YBX3-132S2-2	7.5	2900	14.5	88.1	0.89	2.3	7.8	2.5	80	90
YBX3-160M1-2	11	2940	21	89.4	0.89	2.3	7.5	2.5	86	140
YBX3-160M2-2	15	2940	28	90.3	0.89	2.2	7.2	2.5	86	153
YBX3-160L-2	18.5	2940	34.7	90.9	0.89	2.3	7.5	2.4	86	164
YBX3-180M-2	22	2955	41.1	91.3	0.89	2.4	8.1	2.4	88	198
YBX3-200L1-2	30	2965	55.5	92	0.89	2.2	7.5	2.5	90	265
YBX3-200L2-2	37	2965	68.2	92.5	0.89	2.1	7.5	2.6	90	275
YBX3-225M-2	45	2970	82.6	92.9	0.89	2.2	7.5	2.5	92	360
YBX3-250M-2	55	2975	100.6	93.2	0.89	2.2	7.6	2.5	93	465
YBX3-280S-2	75	2975	136.4	93.8	0.89	1.9	6.9	2.6	94	600
YBX3-280M-2	90	2975	163.1	94.1	0.89	2	6.9	2.6	94	655
YBX3-315S-2	110	2980	196.7	94.3	0.9	1.9	7	2.5	96	1040
YBX3-315M-2	132	2980	235.3	94.6	0.9	1.9	7	2.4	96	1120
YBX3-315L1-2	160	2980	281.5	94.8	0.91	1.9	7.1	2.4	98	1200
YBX3-315L2-2	200	2980	351.5	95	0.91	1.8	7.1	2.2	98	1292
YBX3-355M1-2	220	2980	386.7	95	0.91	1.6	7.1	2.2	100	1560
YBX3-355M2-2	250	2980	439.4	95	0.91	1.6	7.1	2.2	100	1720
YBX3-355L1-2	280	2980	492.1	95	0.91	1.6	7.2	2.2	100	1820
YBX3-355L2-2	315	2980	553.6	95	0.91	1.6	7.2	2.2	100	1960

技术数据 Technical Data

4 极 – 同步转速 1500r/min 380V/50HZ
4pole–1500rpm synchronous speed 380V 50HZ

型号 Motor Type	额定功率 Rated Power (KW)	额定转速 Rated speed (r/min)	额定电流 Rated Current (A)	效率 EFF η (%)	功率因数 Power factor cosφ	堵转转矩 额定转矩 Locked Torque Rated Torque	堵转电流 额定电流 Locked Current Rated Current	最大转矩 额定转矩 Maximum Torque Rated Torque	噪声 (dB)	重量 Weight (kg)
YBX3-80M1-4	0.55	1400	1.38	80.7	0.75	2.3	6.3	2.3	58	29.5
YBX3-80M2-4	0.75	1400	1.9	79.6	0.76	2.4	6.2	2.5	58	30
YBX3-90S-4	1.1	1425	2.6	81.4	0.77	2.4	6.4	2.5	61	38
YBX3-90L-4	1.5	1425	3.5	82.8	0.78	2.3	6.5	2.4	61	41
YBX3-100L1-4	2.2	1440	4.9	84.3	0.8	2.4	7.2	2.5	64	50
YBX3-100L2-4	3	1440	6.5	85.5	0.81	2.4	7.1	2.5	64	54.5
YBX3-112M-4	4	1450	8.7	86.6	0.81	2.3	7.3	2.5	65	76
YBX3-132S-4	5.5	1455	11.6	87.7	0.82	2	7.3	2.4	71	93
YBX3-132M-4	7.5	1455	15.5	88.7	0.83	2	7.1	2.5	71	106
YBX3-160M-4	11	1465	22.4	89.8	0.83	2.2	7.4	2.4	75	148
YBX3-160L-4	15	1465	29.9	90.6	0.84	2.2	7.5	2.6	75	172
YBX3-180M-4	18.5	1470	35.8	91.2	0.85	2.1	7.6	2.6	76	199
YBX3-180L-4	22	1475	42.4	91.6	0.85	2.1	7.7	2.6	76	240
YBX3-200L-4	30	1475	58	92.3	0.85	2.1	6.9	2.5	79	285
YBX3-225S-4	37	1480	70.5	92.7	0.86	2.1	6.8	2.4	81	320
YBX3-225M-4	45	1480	85.4	93.1	0.86	2.2	7.2	2.5	81	378
YBX3-250M-4	55	1480	103.9	93.5	0.86	2.2	7	2.5	83	478
YBX3-280S-4	75	1485	139.3	94	0.87	2.3	6.7	2.6	86	660
YBX3-280M-4	90	1485	164.8	94.2	0.88	2.2	6.9	2.6	86	722
YBX3-315S-4	110	1485	198.7	94.5	0.89	2.1	6.9	2.6	93	920
YBX3-315M-4	132	1485	238	94.7	0.89	2.1	6.9	2.6	93	1100
YBX3-315L1-4	160	1485	284.6	94.9	0.9	2.1	6.9	2.5	94	1180
YBX3-315L2-4	200	1485	355	95.1	0.9	2.1	6.9	2.6	94	1340
YBX3-355M1-4	220	1490	390.5	95.1	0.9	2	6.9	2.2	95	1654
YBX3-355M2-4	250	1490	448.5	95.1	0.9	2	6.9	2.2	95	1700
YBX3-355L1-4	280	1490	502.6	95.1	0.9	2	6.9	2.2	95	1860
YBX3-355L2-4	315	1490	565.5	95.1	0.9	2	6.9	2.2	95	1960

技术数据 Technical Data

6 极 – 同步转速 1000r/min 380V/50HZ
6pole–1000rpm synchronous speed 380V/50HZ

型号 Motor Type	额定功率 Rated Power (KW)	额定转速 Rated speed (r/min)	额定电流 Rated Current (A)	效率 EFF η (%)	功率因数 Power factor cosφ	堵转转矩 额定转矩 Locked Torque Rated Torque	堵转电流 额定电流 Locked Current Rated Current	最大转矩 额定转矩 Maximum Torque Rated Torque	噪声 (dB)	重量 Weight (kg)
YBX3-80M1-6	0.37	890	1.27	62	0.7	1.9	4.7	2	54	30
YBX3-80M2-6	0.55	890	1.54	75.4	0.72	1.9	4.7	2.1	54	31
YBX3-90S-6	0.75	935	2.1	75.9	0.71	2.1	5.8	2.1	57	35
YBX3-90L-6	1.1	940	2.9	78.1	0.72	2.1	5.9	2.1	57	41
YBX3-100L-6	1.5	945	3.9	79.8	0.72	2.1	6	2.1	61	48
YBX3-112M-6	2.2	950	5.6	81.8	0.72	2.1	6	2.1	65	64
YBX3-132S-6	3	960	7.6	83.3	0.72	2	6.2	2.1	69	89
YBX3-132M1-6	4	960	9.7	84.6	0.74	2	6.8	2.1	69	94
YBX3-132M2-6	5.5	960	12.8	86	0.75	2	7.1	2.1	69	102
YBX3-160M-6	7.5	970	16.7	87.2	0.78	2.1	6.7	2.1	73	149
YBX3-160L-6	11	970	23.8	88.7	0.79	2.1	6.9	2.1	73	171
YBX3-180L-6	15	975	30.6	89.7	0.82	2.2	7.2	2.1	73	200
YBX3-200L1-6	18.5	975	38.3	90.4	0.8	2.1	7.2	2.1	76	280
YBX3-200L2-6	22	975	44.7	90.9	0.81	2.1	7.3	2.1	76	300
YBX3-225M-6	30	985	60.6	91.7	0.82	2	7.1	2.1	76	360
YBX3-250M-6	37	985	73.3	92.2	0.83	2.1	7.1	2.1	78	450
YBX3-280S-6	45	985	86.8	92.7	0.85	2.1	7.2	2	80	610
YBX3-280M-6	55	985	104.4	93.1	0.86	2.1	7.2	2	80	660
YBX3-315S-6	75	990	144.6	93.7	0.84	2	6.7	2	85	880
YBX3-315M-6	90	990	171	94	0.85	2	6.7	2	85	1060
YBX3-315L1-6	110	990	208.3	94.3	0.85	2	6.7	2	85	1120
YBX3-315L2-6	132	990	246.5	94.6	0.86	2	6.7	2	85	1220
YBX3-355S-6	160	990	298.2	94.8	0.86	2	6.7	2	92	1600
YBX3-355M1-6	185	990	344.8	95	0.86	2	6.7	2	92	1685
YBX3-355M2-6	200	990	367.6	95	0.86	2	6.7	2	92	1780
YBX3-355L1-6	220	990	409.1	95	0.86	2	6.7	2	92	1909
YBX3-355L2-6	250	990	464.9	95	0.86	2	6.7	2	92	1973

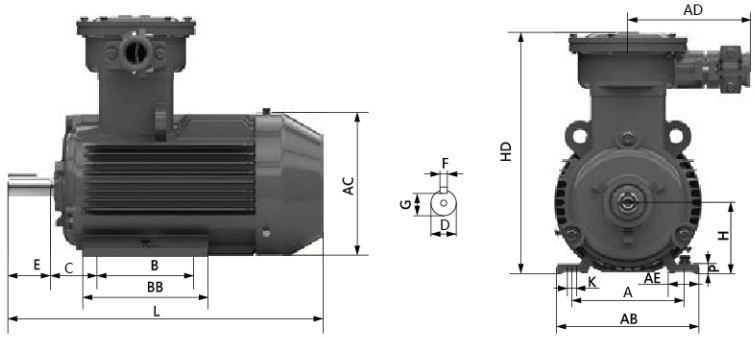
技术数据 Technical Data

8 极 – 同步转速 750r/min 380V/50HZ
8pole–750rpm synchronous speed 380V/50HZ

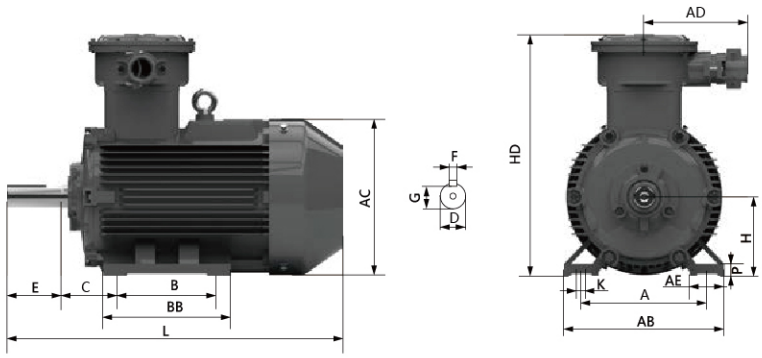
型号 Motor Type	额定功率 Rated Power (KW)	额定转速 Rated speed (r/min)	额定电流 Rated Current (A)	效率 EFF η (%)	功率因数 Power factor cosφ	堵转转矩 额定转矩 Locked Torque Rated Torque	堵转电流 额定电流 Locked Current Rated Current	最大转矩 额定转矩 Maximum Torque Rated Torque	噪声 (dB)	重量 Weight (kg)
YBX3-80M1-8	0.18	650	0.86	51	0.61	1.8	3.3	1.9	52	27
YBX3-80M2-8	0.25	650	1.13	54	0.61	1.8	3.3	1.9	52	28
YBX3-90S-8	0.37	670	1.5	62	0.61	1.8	4	1.9	56	36.5
YBX3-90L-8	0.55	670	2.2	63	0.61	1.8	4	2	56	40.5
YBX3-100L1-8	0.75	690	2.35	70	0.67	1.8	4	2	59	54
YBX3-100L2-8	1.1	690	3.31	72	0.69	1.8	5	2	59	53
YBX3-112M-8	1.5	690	4	74	0.7	1.8	5	2	61	69
YBX3-132S-8	2.2	710	5.78	79	0.71	1.8	6	2	64	84
YBX3-132M-8	3	710	7.69	80	0.73	1.8	6	2	64	91
YBX3-160M1-8	4	720	9.7	81	0.73	1.9	6	2	68	134
YBX3-160M2-8	5.5	720	13	83	0.74	1.9	6	2	68	144
YBX3-160L-8	7.5	720	16.9	85.5	0.75	1.9	6	2	68	170
YBX3-180L-8	11	720	24.8	87.5	0.75	2	6.5	2	70	220
YBX3-200L-8	15	730	33.6	88	0.76	2	6.6	2	73	280
YBX3-225S-8	18.5	740	41.1	90	0.76	1.9	6.6	2	73	320
YBX3-225M-8	22	740	47.4	90.5	0.78	1.9	6.6	2	73	340
YBX3-250M-8	30	740	64	91	0.79	1.9	6.5	2	75	480
YBX3-280S-8	37	740	78	91.5	0.79	1.9	6.6	2	76	580
YBX3-280M-8	45	740	95	92	0.79	1.9	6.6	2	76	600
YBX3-315S-8	55	740	110.7	92.8	0.81	1.8	6.6	2	82	930
YBX3-315M-8	75	740	151	93.5	0.81	1.8	6.2	2	82	1095
YBX3-315L1-8	90	740	179.9	93.8	0.82	1.8	6.4	2	82	1280
YBX3-315L2-8	110	740	217.2	94	0.82	1.8	6.4	2	82	1320
YBX3-355S-8	132	740	261	93.7	0.82	1.8	6.4	2	90	1600
YBX3-355M-8	160	740	314.7	94.2	0.82	1.8	6.4	2	90	1780
YBX3-355L1-8	185	740	363.9	94.2	0.82	1.8	6.4	2	90	1890
YBX3-355L2-8	200	740	387.4	94.5	0.83	1.8	6.4	2	90	1980

B3外形及安装尺寸 Dimensions Foot Mount B3

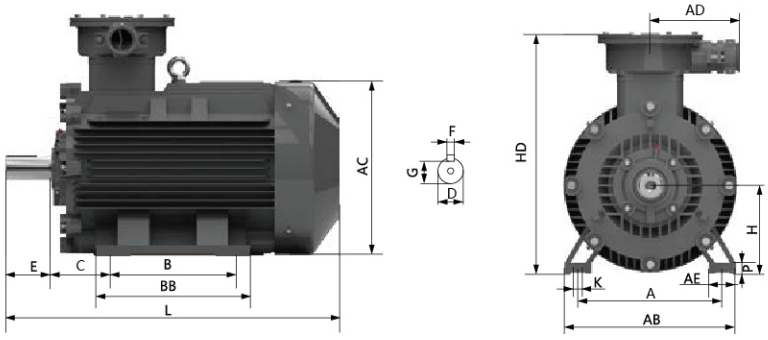
YBX3-80~132



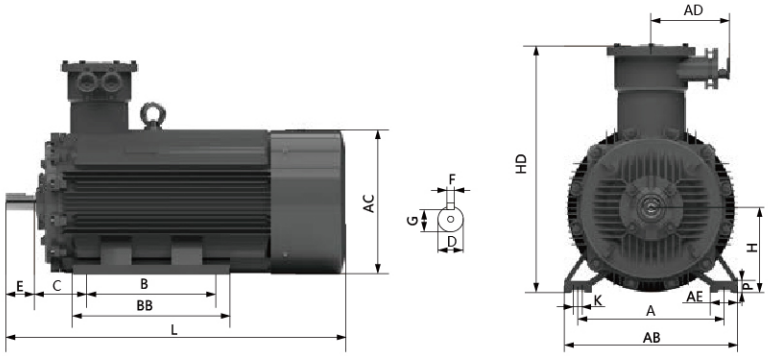
YBX3-160~200



YBX3-225~280



YBX3-315~355



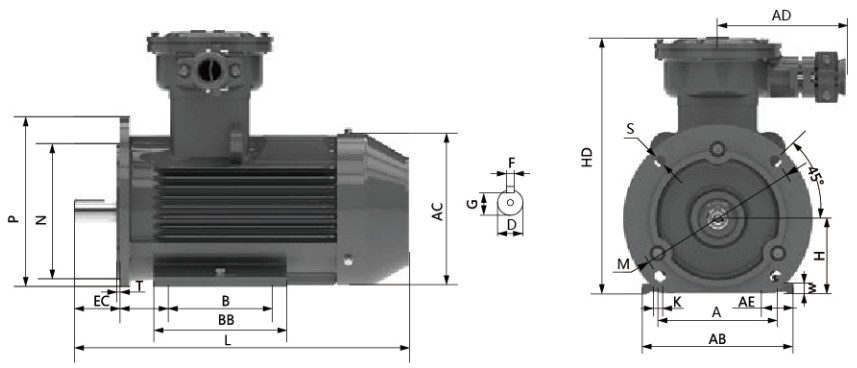
B3外形及安装尺寸 Dimensions Foot Mount B3

机座号	极数	A	B	C	D	E	F	G	H	P	K	AB	BB	AC	AE	AD	HD	L
80	2-8	125	100	50	19	40	6	15.5	80	10	10	160	130	167	34	178	310	340
90S	2-8	140	100	56	24	50	8	20	90	14	10	176	130	184	36	178	335	390
90L	2-8	140	125	56	24	50	8	20	90	14	10	176	155	184	36	178	335	420
100L	2-8	160	140	63	28	60	8	24	100	14	12	200	176	207	43	178	360	470
112M	2-8	190	140	70	28	60	8	24	112	16	12	240	180	221	50	193	375	520
132S	2-8	216	140	89	38	80	10	33	132	18	12	276	190	260	60	193	420	530
132M	2-8	216	178	89	38	80	10	33	132	18	12	276	230	260	60	193	420	570
160M	2-8	254	210	108	42	110	12	37	160	25	14.5	324	258	315	70	210	500	700
160L	2-8	254	254	108	42	110	12	37	160	25	14.5	324	302	315	70	210	500	730
180M	2-8	279	241	121	48	110	14	42.5	180	22	S	349	311	356	70	210	535	790
180L	2-8	279	279	121	48	110	14	42.5	180	22	S	349	349	356	70	210	535	810
200L	2-8	318	305	133	55	110	16	49	200	25	18.5	388	366	398	70	240	612	850
225S	4、8	356	286	149	60	140	18	53	225	28	18.5	431	355	446	75	240	665	900
225M	2	356	311	149	55	110	16	49	225	28	18.5	431	380	446	75	240	665	900
225M	4-8	356	311	149	60	140	18	53	225	28	18.5	431	380	446	75	240	665	930
250M	2	406	349	168	60	140	18	53	250	30	24	486	420	495	80	279	730	990
250M	4-8	406	349	168	65	140	18	58	250	30	24	486	420	495	80	279	730	990
280S	2	457	368	190	65	140	18	58	280	35	24	542	438	547	85	279	790	1020
280S	4-8	457	368	190	75	140	20	67.5	280	35	24	542	438	547	85	279	790	1030
280M	2	457	419	190	65	140	18	58	280	35	24	542	489	547	85	279	790	1070
280M	4-8	457	419	190	75	140	20	67.5	280	35	24	542	489	547	85	279	790	1080
315S	2	508	406	216	65	140	18	58	315	45	28	628	550	620	120	330	980	1210
315S	4-10	508	406	216	80	170	22	71	315	45	28	628	550	620	120	330	980	1290
315M	2	508	457	216	65	140	18	58	315	45	28	628	680	620	120	330	980	1330
315M	4-10	508	457	216	80	170	22	71	315	45	28	628	680	620	120	330	980	1410
315L	2	508	508	216	65	140	18	58	315	45	28	628	680	620	120	330	980	1330
315L	4-10	508	508	216	80	170	22	71	315	45	28	628	680	620	120	330	980	1410
355S	2	610	500	254	75	140	20	67.5	355	52	28	726	636	700	116	330	1120	1490
355S	4-10	610	500	254	95	170	25	86	355	52	28	726	636	700	116	330	1120	1520
355M	2	610	560	254	75	140	20	67.5	355	52	28	726	696	700	116	330	1120	1570
355M	4-10	610	560	254	95	170	25	86	355	52	28	726	696	700	116	330	1120	1600
355L	2	610	630	254	75	140	20	67.5	355	52	28	726	766	700	116	330	1120	1680
355L	4-10	610	630	254	95	170	25	86	355	52	28	726	766	700	116	330	1120	1710

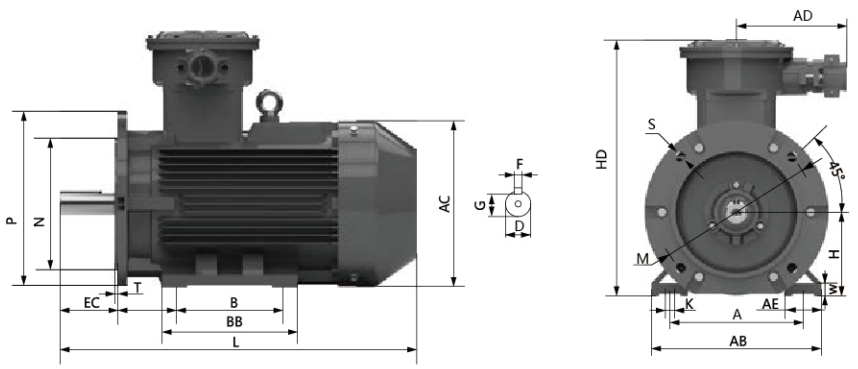
(此外形图用于 YB3 防爆等级为 Exd Ⅰ Mb、Exd Ⅱ BT4Gb,YBX3 防爆等级为 Exd Ⅱ BT4Gb,YBK3 防爆等级为 Exd Ⅰ Mb)

B35外形及安装尺寸 Dimensions Foot-Flange Mount B35

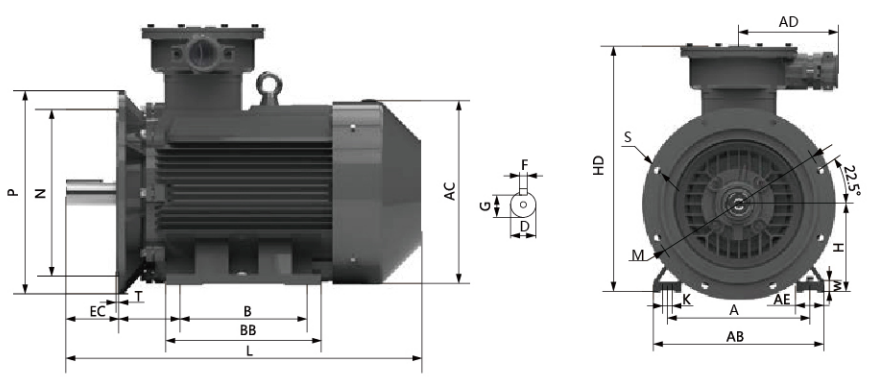
YBX3-80~132



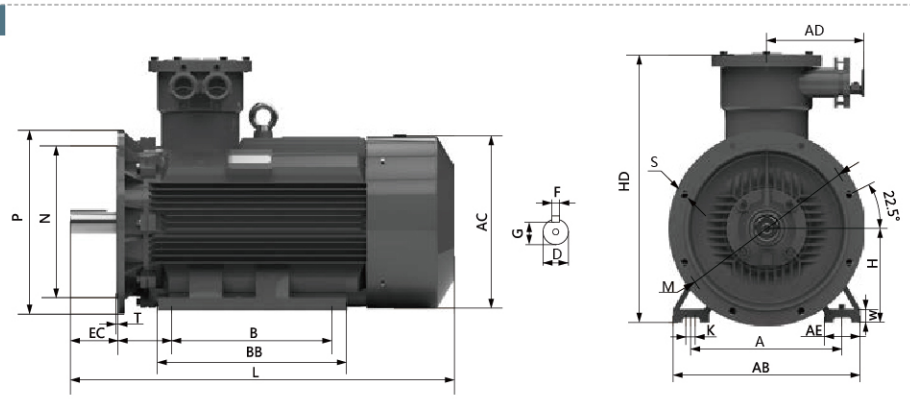
YBX3-160~200



YBX3-225~280



YBX3-315~355



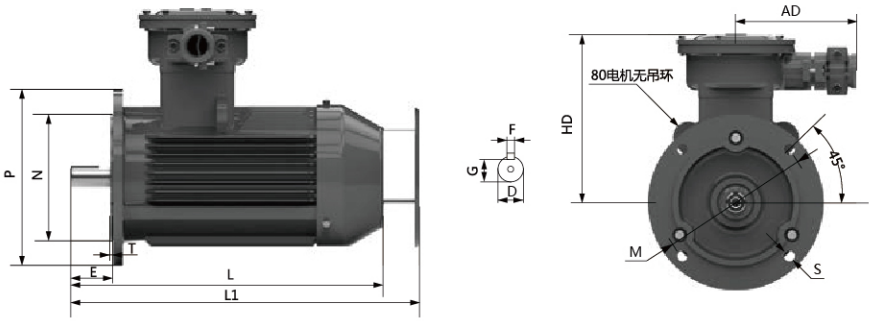
B35外形及安装尺寸 Dimensions Foot-Flange Mount B35

机座号	极数	A	B	C	D	E	F	G	H	K	M	N	S	T	P	W	AB	BB	AC	AD	AE	HD	L
80	2-8	125	100	50	19	40	6	15.5	80	10	165	130	12	3.5	200	10	160	130	167	178	34	305	340
90S	2-8	140	100	56	24	50	8	20	90	10	165	130	12	3.5	200	14	176	130	184	178	36	330	390
90L	2-8	140	125	56	24	50	8	20	90	10	165	130	12	3.5	200	14	176	155	184	178	36	330	420
100L	2-8	160	140	63	28	60	8	24	100	12	215	180	15	4	250	14	200	176	207	178	43	360	470
112M	2-8	190	140	70	28	60	8	24	112	12	215	180	15	4	250	16	240	180	221	193	50	390	520
132S	2-8	216	140	89	38	80	10	33	132	12	265	230	15	4	300	18	276	190	260	193	60	440	530
132M	2-8	216	178	89	38	80	10	33	132	12	265	230	15	4	300	18	276	230	260	193	60	440	570
160M	2-8	254	210	108	42	110	12	37	160	14.5	300	250	19	5	350	25	324	258	315	210	70	510	700
160L	2-8	254	254	108	42	110	12	37	160	14.5	300	250	19	5	350	25	324	302	315	210	70	510	730
180M	2-8	279	241	121	48	110	14	42.5	180	15	300	250	19	5	350	22	349	311	356	210	70	550	790
180L	2-8	279	279	121	48	110	14	42.5	180	15	300	250	19	5	350	22	349	349	356	210	70	550	810
200L	2-8	318	305	133	55	110	16	49	200	19	350	300	19	5	400	25	388	366	398	240	70	600	850
225S	4、8	356	286	149	60	140	18	53	225	18.5	400	350	19	5	450	28	431	355	446	240	75	640	900
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	19	5	450	28	431	380	446	240	75	640	900
225M	4-8	356	311	149	60	140	18	53	225	18.5	400	350	19	5	450	28	431	380	446	240	75	640	930
250M	2	406	349	168	60	140	18	53	250	24	500	450	19	5	550	30	486	420	495	279	80	720	990
250M	4-8	406	349	168	65	140	18	58	250	24	500	450	19	5	550	30	486	420	495	279	80	720	990
280S	2	457	368	190	65	140	18	58	280	24	500	450	19	5	550	35	542	438	547	279	85	780	1020
280S	4-8	457	368	190	75	140	20	67.5	280	24	500	450	19	5	550	35	542	438	547	279	85	780	1030
280M	2	457	419	190	65	140	18	58	280	24	500	450	19	5	550	35	542	489	547	279	85	780	1070
280M	4-8	457	419	190	75	140	20	67.5	280	24	500	450	19	5	550	35	542	489	547	279	85	780	1080
315S	2	508	406	216	65	140	18	58	315	28	600	550	24	6	660	45	628	550	620	330	120	980	1210
315S	4-10	508	406	216	80	170	22	71	315	28	600	550	24	6	660	45	628	550	620	330	120	980	1290
315M	2	508	457	216	65	140	18	58	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1330
315M	4-10	508	457	216	80	170	22	71	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1410
315L	2	508	508	216	65	140	18	58	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1330
315L	4-10	508	508	216	80	170	22	71	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1410
355S	2	610	500	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	636	700	330	116	1120	1490
355S	4-10	610	500	254	95	170	25	86	355	28	740	680	24	6	800	52	726	636	700	330	116	1120	1520
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	696	700	330	116	1120	1570
355M	4-10	610	560	254	95	170	25	86	355	28	740	680	24	6	800	52	726	696	700	330	116	1120	1600
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	766	700	330	116	1120	1680
355L	4-10	610	630	254	95	170	25	86	355	28	740	680	24	6	800	52	726	766	700	330	116	1120	1710

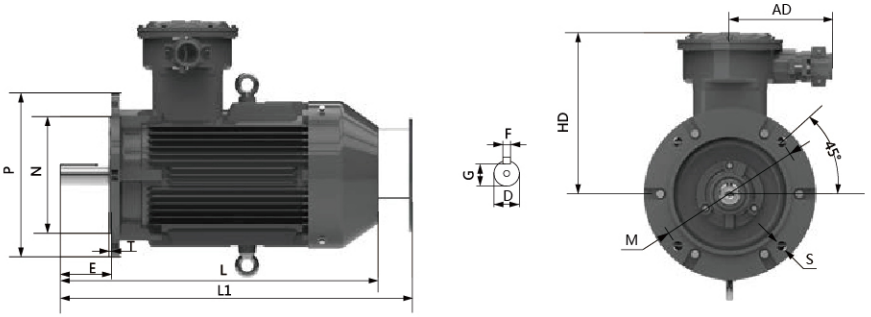
(此外形图用于 YB3 防爆等级为 Exd Ⅰ Mb、Exd Ⅱ BT4Gb,YBX3 防爆等级为 Exd Ⅱ BT4Gb,YBK3 防爆等级为 Exd Ⅰ Mb)

B5&V1外形及安装尺寸 Dimensions Flange Mount B5&V1

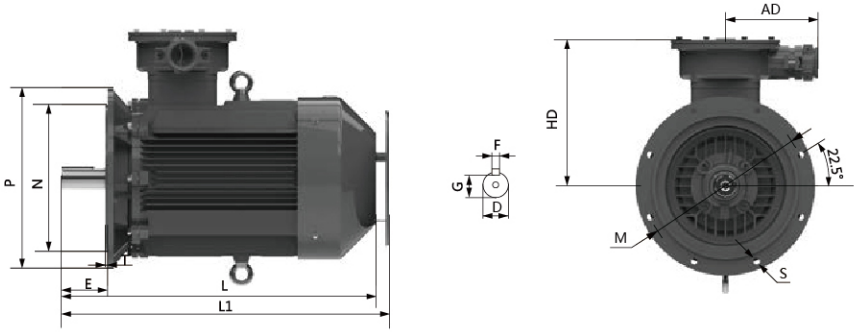
YBX3-80~132



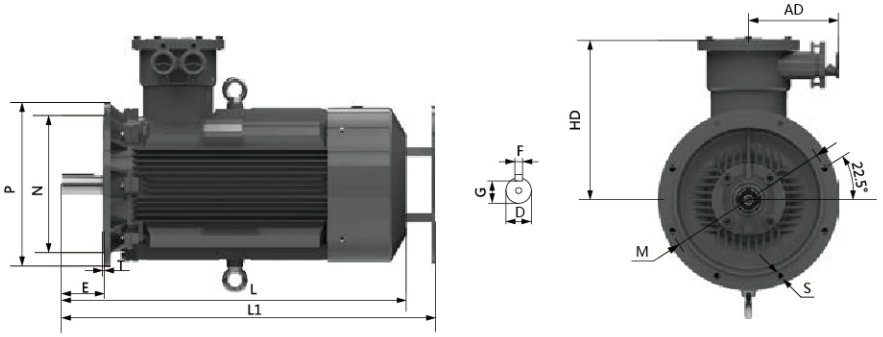
YBX3-160~200



YBX3-225~280



YBX3-315~355



B5&V1外形及安装尺寸 Dimensions Flange Mount B5&V1

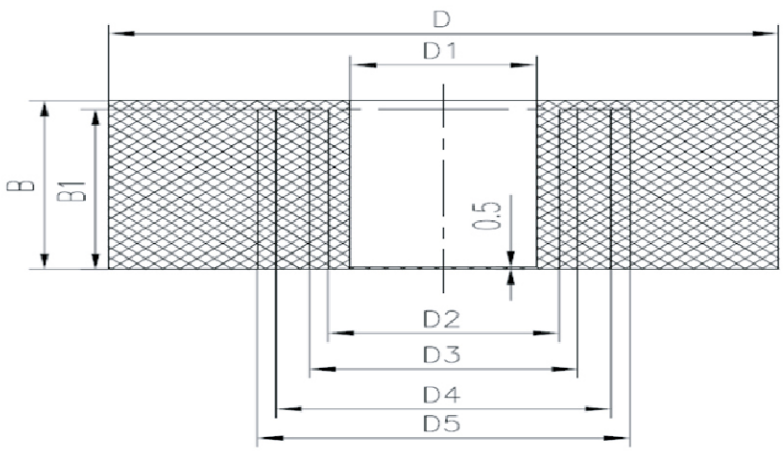
机座号	极数	D	E	F	G	M	N	S	T	P	AD	HD	L(B5)	L1(V1)
80	2-8	19	40	6	15.5	165	130	12	3.5	200	178	230	340	440
90S	2-8	24	50	8	20	165	130	12	3.5	200	178	245	390	490
90L	2-8	24	50	8	20	165	130	12	3.5	200	178	245	420	520
100L	2-8	28	60	8	24	215	180	15	4	250	178	260	470	570
112M	2-8	28	60	8	24	215	180	15	4	250	193	245	520	620
132S	2-8	38	80	10	33	265	230	15	4	300	193	288	530	630
132M	2-8	38	80	10	33	265	230	15	4	300	193	288	570	670
160M	2-8	42	110	12	37	300	250	19	5	350	210	340	700	800
160L	2-8	42	110	12	37	300	250	19	5	350	210	340	730	830
180M	2-8	48	110	14	42.5	300	250	19	5	350	210	355	790	890
180L	2-8	48	110	14	42.5	300	250	19	5	350	210	355	810	910
200L	2-8	55	110	16	49	350	300	19	5	400	240	412	850	950
225S	4、8	60	140	18	53	400	350	19	5	450	240	440	900	1000
225M	2	55	110	16	49	400	350	19	5	450	240	440	900	1000
225M	4-8	60	140	18	53	400	350	19	5	450	240	440	930	1030
250M	2	60	140	18	53	500	450	19	5	550	279	480	990	1090
250M	4-8	65	140	18	58	500	450	19	5	550	279	480	990	1090
280S	2	65	140	18	58	500	450	19	5	550	279	510	1020	1120
280S	4-8	75	140	20	67.5	500	450	19	5	550	279	510	1030	1130
280M	2	65	140	18	58	500	450	19	5	550	279	510	1070	1170
280M	4-8	75	140	20	67.5	500	450	19	5	550	279	510	1080	1180
315S	2	65	140	18	58	600	550	24	6	660	330	665	-	1310
315S	4-10	80	170	22	71	600	550	24	6	660	330	665	-	1390
315M	2	65	140	18	58	600	550	24	6	660	330	665	-	1430
315M	4-10	80	170	22	71	600	550	24	6	660	330	665	-	1510
315L	2	65	140	18	58	600	550	24	6	660	330	665	-	1430
315L	4-10	80	170	22	71	600	550	24	6	660	330	665	-	1510
355S	2	75	140	20	67.5	740	680	24	6	800	330	765	-	1590
355S	4-10	95	170	25	86	740	680	24	6	800	330	765	-	1620
355M	2	75	140	20	67.5	740	680	24	6	800	330	765	-	1670
355M	4-10	95	170	25	86	740	680	24	6	800	330	765	-	1700
355L	2	75	140	20	67.5	740	680	24	6	800	330	765	-	1780
355L	4-10	95	170	25	86	740	680	24	6	800	330	765	-	1810

(此外形图用于 YB3 防爆等级为 Exd Ⅰ Mb、Exd Ⅱ BT4Gb,YBX3 防爆等级为 Exd Ⅱ BT4Gb,YBK3 防爆等级为 Exd Ⅰ Mb)

钢管布线的尺寸 （适用于隔爆型电动机 YB3、YBX3、YBBP）

机座号	钢管布线尺寸
80-132	M30X2
160-180	M36X2
200-225	M48X2
250-280	M64X2
315-355	2XM64X2

密封圈尺寸 （适用于隔爆型电动机 YB3、YBX3、YBBP、YBK3）



机座号	尺寸							
	D1	D2	D3	D4	D5	D	B1	B
80-132	φ14	φ20	φ25			φ42	24	26
160-180	φ14	φ20	φ26	φ31	φ35	φ58	24	26
200-225	φ20	φ26	φ32	φ38	φ42	φ72	30	32
250-355	φ25	φ31	φ36	φ45	φ50	φ90	36	38

说明：机座号为 315、355 电机有两个出线口

轴承型号 Bearing Type

机座号	极 数	轴伸端	非轴伸端
80	全 部	6204-2Z	6204-2Z
90	全 部	6205-2Z	6205-2Z
100	全 部	6206-2Z	6206-2Z
112	全 部	6206-2Z	6206-2Z
132	全 部	6208-2Z	6208-2Z
160	2P	6209-2Z	6209-2Z
160	4 ~ 8P	6309-2Z	6209-2Z
180	2P	6211	6211
180	4 ~ 8P	6311	6211
200	2P	6212	6212
200	4 ~ 8P	6312	6212
225	2P	6312	6312
225	4 ~ 8P	6313	6312
250	2P	6313	6313
250	4 ~ 8P	6314	6313
280	2P	6314	6314
280	4 ~ 8P	6317	6314
315	2P	6316	6316
315	4 ~ 10P	6319	6319
355	2P	6319	6319
355	4 ~ 10P	6322	6322



产品概述 Product Introduction

YBX4 系列隔爆型高效率三相异步电动机符合 GB18613-2012《中小型三相异步电动机能效限定值及能效等级》中规定的二级效率标准，电动机按照 GB3836.2 的规定制成隔爆型，其防爆标志为 Exd Ⅱ BT4Gb、Exd Ⅱ CT4Gb。适用于Ⅱ类 A、B 级 T1 ~ T4 组可燃性气体或蒸汽与空气形成的爆炸性混合物的场所内的设备上，作为一般动力设备使用。

YBX4 series flameproof three-phase asynchronous motor is in line with the third efficiency standard in the provisions of GB18613-2012 "Minimum allowable values of energy efficiency and energy efficiency grades for small and medium three-phase asynchronous motors"., According to GB3836.2, the motor are made into a flameproof type. The explosion protection marks are Exd Ⅱ BT4Gb and Exd Ⅱ CT4Gb. It is applicable to the equipment in the places where the inflammable gas or explosive mixture of steam and air in class A and B groups T1 ~ T4, Used as general power equipment.

详细说明 Specification

◆现场条件

YBX4 系列电动机标准工作条件为海拔不超过 1000m，环境温度最低为 -15℃，环境温度最高为 40℃

◆温升和绝缘

电动机按 F 级绝缘设计（155℃），按 B 级绝缘考核（80K），电动机的使用寿命和可靠性得到保证。

◆冷却和通风

标准冷却方式为全封闭自扇冷。标准电机装有辅流式塑料风扇。符合 IEC60034-6 中 IC411 的规定。

◆防护等级 protection class

电动机的防护等级为 IP55，可用于含尘或潮湿环境。

◆电压、频率

机座号 80-100 电压为 380V

机座号 112-355 电压为 380V、660V、380/660V T

◆额定频率为 50HZ

在供电电压偏离额定电压 ±5% 的情况下，仍能良好运行。

◆接线盒位置

接线盒在机座上方可以四个方向进线，进线分为橡套电缆和钢管布线两种。

◆质量保证

从产品设计到产品出厂，遵循 ISO9001 质量认证体系，严格遵守质量程序。

◆ site conditions

The standard working condition of YBX4 series motor is no more than 1000m above sea level, the lowest ambient temperature is -15 ℃ , and the highest ambient temperature is 40℃ .

◆ Temperature rise and insulation

F class (155 ℃) insulation system and temperature rise class B (80K) are adopted to the motor.The service life and reliability of the motor are guaranteed.

◆ cooling and ventilation

The standard cooling method is fully enclosed self-fan cooling standard motor equipped with auxiliary flow plastic fan in accordance with the provisions of IC411 in iec60034-6.

◆ protection class

The standard protection class of motor is IP55,can be used in dusty or humid environment

◆ voltage 、 frequency

Frame size 80-100 ,the voltage is 380V

Frame size112-355, the voltage is 380V 660V 380/660v

◆ Rated frequency is 50HZ

Under the condition that the supply voltage deviates from the rated voltage by 5%, it can still run well.

◆ Terminal box position

Terminal box in the upper part of the frame can be four directions into the line, the line is divided into rubber cable and steel pipe wiring two kinds

◆ quality guarantee

From the product design to the delivery of products, follow the ISO9001 quality certification system, strict compliance with quality procedures.

技术数据 Technical Data

2 极 – 同步转速 3000r/min 50HZ
2pole–3000rpm synchronous speed 50HZ

型号 motor type	额定功率 rated output KW	额定转速 rated speed rpm	额定电流 IFL 380V A	效率 EFF %	功率因数 power factor cosφ	堵转转矩 额定转矩 TST/TFL	最大转矩 额定转矩 TM/TFL	堵转电流 额定电流 IST/IFL	噪音 noise level LW dB (A)	重量 net weight kg
YBX4-80M1-2	0.75	2855	1.7	80.7%	0.82	2.3	2.3	7	62	27
YBX4-80M2-2	1.1	2855	2.4	82.7%	0.83	2.2	2.3	7.3	62	28
YBX4-90S-2	1.5	2875	3.2	84.2%	0.84	2.2	2.3	7.6	67	34
YBX4-90L-2	2.2	2875	4.6	85.9%	0.85	2.2	2.3	7.6	67	40
YBX4-100L-2	3	2880	6.0	87.1%	0.87	2.2	2.3	7.8	74	56
YBX4-112M-2	4	2900	7.8	88.1%	0.88	2.2	2.3	8.3	77	68
YBX4-132S1-2	5.5	2900	10.6	89.2%	0.88	2	2.3	8.3	79	90
YBX4-132S2-2	7.5	2900	14.4	90.1%	0.88	2	2.3	7..9	79	100
YBX4-160M1-2	11	2940	20.6	91.2%	0.89	2	2.3	8.1	81	145
YBX4-160M2-2	15	2940	27.9	91.9%	0.89	2	2.3	8.1	81	158
YBX4-160L-2	18.5	2940	34.2	92.4%	0.89	2	2.3	8.2	81	177
YBX4-180M-2	22	2955	40.5	92.7%	0.89	2	2.3	8.2	83	220
YBX4-200L1-2	30	2965	54.9	93.3%	0.89	2	2.3	7.6	84	280
YBX4-200L2-2	37	2965	67.4	93.7%	0.89	2	2.3	7.6	84	300
YBX4-225M-2	45	2970	80.8	94.0%	0.9	2	2.3	7.7	86	380
YBX4-250M-2	55	2975	98.5	94.3%	0.9	2	2.3	7.7	89	500
YBX4-280S-2	75	2975	133.7	94.7%	0.9	1.8	2.3	7.1	91	640
YBX4-280M-2	90	2975	159.9	95.0%	0.9	1.8	2.3	7.1	91	680
YBX4-315S-2	110	2980	195.1	95.2%	0.9	1.8	2.3	7.1	92	1080
YBX4-315M-2	132	2980	222.8	95.4%	0.9	1.8	2.3	7.1	92	1150
YBX4-315L1-2	160	2980	279.4	95.6%	0.91	1.8	2.3	7.2	92	1250
YBX4-315L2-2	200	2980	348.6	95.8%	0.91	1.8	2.2	7.2	92	1342
YBX4-355M1-2	220	2980	383.4	95.8%	0.91	1.6	2.2	7.2	100	1560
YBX4-355M2-2	250	2980	435.7	95.8%	0.91	1.6	2.2	7.2	100	1720
YBX4-355L1-2	280	2980	488.0	95.8%	0.91	1.6	2.2	7.2	100	1820
YBX4-355L2-2	315	2980	549.0	95.8%	0.91	1.6	2.2	7.2	100	1960

技术数据 Technical Data

4 极 – 同步转速 1500r/min 50HZ
4pole–1500rpm synchronous speed 50HZ

型号 motor type	额定功率 rated output KW	额定转速 rated speed rpm	额定电流 IFL 380V A	效率 EFF %	功率因数 power factor cosφ	堵转转矩 额定转矩 TST/TFL	最大转矩 额定转矩 TM/TFL	堵转电流 额定电流 IST/IFL	噪音 noise level LW dB (A)	重量 net weight kg
YBX4-80M2-4	0.75	1400	1.8	82.5%	0.75	2.3	2.3	6.6	56	32
YBX4-90S-4	1.1	1425	2.6	84.1%	0.76	2.3	2.3	6.8	59	37
YBX4-90L-4	1.5	1425	3.5	85.3%	0.77	2.3	2.3	7	59	41
YBX4-100L1-4	2.2	1440	4.8	86.7%	0.81	2.3	2.3	7.6	64	52
YBX4-100L2-4	3	1440	6.3	87.7%	0.82	2.3	2.3	7.6	64	57
YBX4-112M-4	4	1450	8.4	88.6%	0.82	2.2	2.3	7.8	65	74
YBX4-132S-4	5.5	1455	11.2	89.6%	0.83	2	2.3	7.9	71	94
YBX4-132M-4	7.5	1455	15.0	90.4%	0.84	2	2.3	7.5	71	110
YBX4-160M-4	11	1465	21.5	91.4%	0.85	2.2	2.3	7.7	73	156
YBX4-160L-4	15	1465	28.8	92.1%	0.86	2.2	2.3	7.8	73	185
YBX4-180M-4	18.5	1470	35.3	92.6%	0.86	2	2.3	7.8	76	200
YBX4-180L-4	22	1475	41.8	93.0%	0.86	2	2.3	7.8	76	240
YBX4-200L-4	30	1475	56.6	93.6%	0.86	2	2.3	7.3	76	300
YBX4-225S-4	37	1480	69.6	93.9%	0.86	2	2.3	7.4	78	380
YBX4-225M-4	45	1480	84.4	94.2%	0.86	2	2.3	7.4	78	400
YBX4-250M-4	55	1480	102.7	94.6%	0.86	2.2	2.3	7.4	79	520
YBX4-280S-4	75	1485	136.3	95.0%	0.88	2	2.3	6.9	80	705
YBX4-280M-4	90	1485	163.2	95.2%	0.88	2	2.3	6.9	80	740
YBX4-315S-4	110	1485	196.8	95.4%	0.89	2	2.2	7	88	1025
YBX4-315M-4	132	1485	235.7	95.6%	0.89	2	2.2	7	88	1154
YBX4-315L1-4	160	1485	285.1	95.8%	0.89	2	2.2	7.1	88	1220
YBX4-315L2-4	200	1485	351.7	96.0%	0.9	2	2.2	7.1	88	1315
YBX4-355M1-4	220	1490	386.9	96.0%	0.9	2.0	2.2	6.9	95	1714
YBX4-355M2-4	250	1490	439.6	96.0%	0.9	2.0	2.2	6.9	95	1790
YBX4-355L1-4	280	1490	492.4	96.0%	0.9	2.0	2.2	6.9	95	1970
YBX4-355L2-4	315	1490	553.9	96.0%	0.9	2.0	2.2	6.9	95	2020

技术数据 Technical Data

6 极 – 同步转速 1000r/min 50HZ
6pole–1000rpm synchronous speed 50HZ

型号 motor type	额定功率 rated output KW	额定转速 rated speed rpm	额定电流 IFL 380V A	效率 EFF %	功率因数 power factor cosφ	堵转转矩 额定转矩 TST/TFL	最大转矩 额定转矩 TM/TFL	堵转电流 额定电流 IST/IFL	噪音 noise level LW dB (A)	重量 net weight kg
YBX4-90S-6	0.75	935	2.0	78.9%	0.71	2.0	2.1	6	57	39
YBX4-90L-6	1.1	940	2.8	81.0%	0.73	2.0	2.1	6	57	47
YBX4-100L-6	1.5	945	3.8	82.5%	0.73	2.0	2.1	6.5	61	52
YBX4-112M-6	2.2	950	5.4	84.3%	0.74	2.0	2.1	6.6	65	68
YBX4-132S-6	3	960	7.2	85.6%	0.74	2.0	2.1	6.8	69	93
YBX4-132M1-6	4	960	9.5	86.8%	0.74	2.0	2.1	6.8	69	96
YBX4-132M2-6	5.5	960	12.7	88.0%	0.75	2.0	2.1	7	69	104
YBX4-160M-6	7.5	970	16.2	89.1%	0.79	2.0	2.1	7	73	158
YBX4-160L-6	11	970	23.1	90.3%	0.80	2.0	2.1	7.2	73	168
YBX4-180L-6	15	975	30.9	91.2%	0.81	2.0	2.1	7.3	73	214
YBX4-200L1-6	18.5	975	37.8	91.7%	0.81	2.0	2.1	7.3	73	260
YBX4-200L2-6	22	975	44.8	92.2%	0.81	2.0	2.1	7.4	73	293
YBX4-225M-6	30	985	59.1	92.9%	0.83	2.0	2.1	6.9	74	360
YBX4-250M-6	37	985	71.7	93.3%	0.84	2.0	2.1	7.1	76	520
YBX4-280S-6	45	985	85.8	93.7%	0.85	2.0	2.0	7.3	78	594
YBX4-280M-6	55	985	103.3	94.1%	0.86	2.0	2.0	7.3	78	658
YBX4-315S-6	75	990	143.4	94.6%	0.84	2.0	2.0	6.6	83	960
YBX4-315M-6	90	990	169.5	94.9%	0.85	2.0	2.0	6.7	83	1090
YBX4-315L1-6	110	990	206.8	95.1%	0.85	2.0	2.0	6.7	83	1130
YBX4-315L2-6	132	990	244.5	95.4%	0.86	2.0	2.0	6.8	83	1250
YBX4-355S-6	160	990	295.7	95.6%	0.86	1.8	2.0	6.7	85	1640
YBX4-355M1-6	185	990	341.5	95.7%	0.86	1.8	2.0	6.8	85	1765
YBX4-355M2-6	200	990	364.6	95.8%	0.87	1.8	2.0	6.8	85	1830
YBX4-355L1-6	220	990	401.0	95.8%	0.87	1.8	2.0	6.8	85	1989
YBX4-355L2-6	250	990	455.7	95.8%	0.87	1.8	2.0	6.8	85	2123

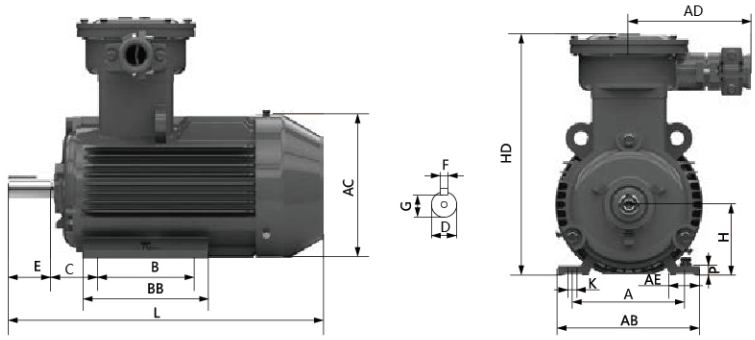
技术数据 Technical Data

8 极 – 同步转速 750r/min 50HZ
8pole–750rpm synchronous speed 50HZ

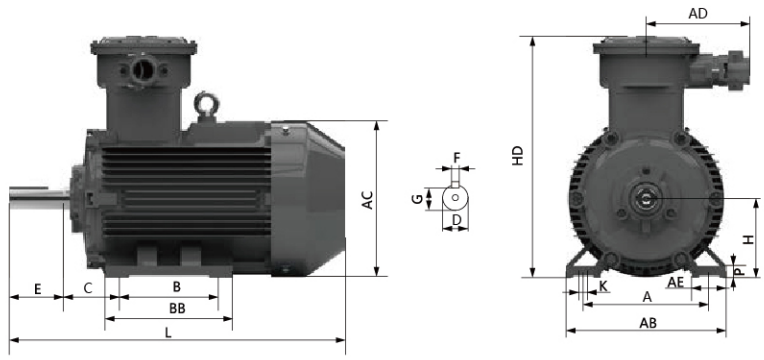
型号 motor type	额定功率 rated output KW	额定转速 rated speed rpm	额定电流 IFL 380V A	效率 EFF %	功率因数 power factor cosφ	堵转转矩 / 额定转矩 TST/TFL	最大转矩 / 额定转矩 TM/TFL	堵转电流 / 额定电流 IST/IFL	噪音 noise level LW dB (A)	重量 net weight kg
YBX4-100L1-8	0.75	690	2.3	75.0%	0.67	2	2.2	3.5	59	64
YBX4-100L2-8	1.1	690	3.1	77.7%	0.69	2.2	2.4	3.6	59	66
YBX4-112M-8	1.5	690	4.1	79.7%	0.70	2.4	2.6	3.9	61	74
YBX4-132S-8	2.2	710	5.7	81.9%	0.71	2.3	2.5	4.3	64	89
YBX4-132M-8	3	710	7.5	83.5%	0.73	2.2	2.4	4.4	64	94
YBX4-160M1-8	4	720	9.8	84.8%	0.73	2.2	2.5	4.4	68	139
YBX4-160M2-8	5.5	720	13.1	86.2%	0.74	2.2	2.4	5	68	148
YBX4-160L-8	7.5	720	17.4	87.3%	0.75	2.1	2.3	5.7	68	175
YBX4-180L-8	11	730	25.2	88.6%	0.75	2.3	2.5	5.6	70	230
YBX4-200L-8	15	730	33.5	89.6%	0.76	2.1	2.4	5.5	73	290
YBX4-225S-8	18.5	730	41.0	90.1%	0.76	2.2	2.6	5.6	73	330
YBX4-225M-8	22	740	47.3	90.6%	0.78	2.1	2.4	5.4	73	350
YBX4-250M-8	30	740	63.2	91.3%	0.79	2.2	2.5	5.3	75	500
YBX4-280S-8	37	740	77.5	91.8%	0.79	2.3	2.7	5.6	76	600
YBX4-280M-8	45	740	93.9	92.2%	0.79	2.1	2.8	5.2	76	630
YBX4-315S-8	55	740	111.5	92.5%	0.81	1.9	2.5	5.7	82	930
YBX4-315M-8	75	740	151.1	93.1%	0.81	2.1	2.8	5.9	82	1195
YBX4-315L1-8	90	740	178.5	93.4%	0.82	2.3	2.9	6.2	82	1300
YBX4-315L2-8	110	740	217.5	93.7%	0.82	2.2	2.8	6	82	1320
YBX4-355S-8	132	740	263.4	94.0%	0.81	1.6	2.0	5.4	90	1724
YBX4-355M-8	160	740	318.3	94.3%	0.81	1.6	2.0	5.4	90	1860
YBX4-355L1-8	185	740	368.0	94.3%	0.81	1.6	2.0	5.4	90	1980
YBX4-355L2-8	200	740	396.6	94.6%	0.81	1.6	2.0	5.4	90	2120

B3外形及安装尺寸 Dimensions Foot Mount B3

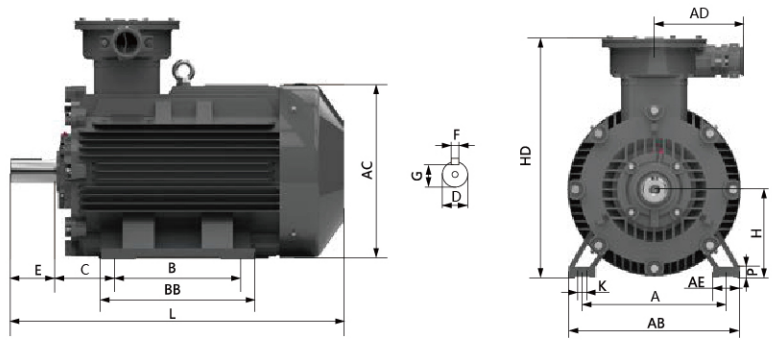
YBX4-80~132



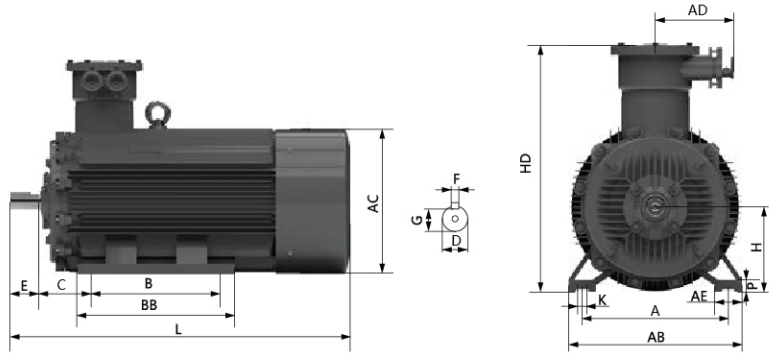
YBX4-160~200



YBX4-225~280



YBX4-315~355



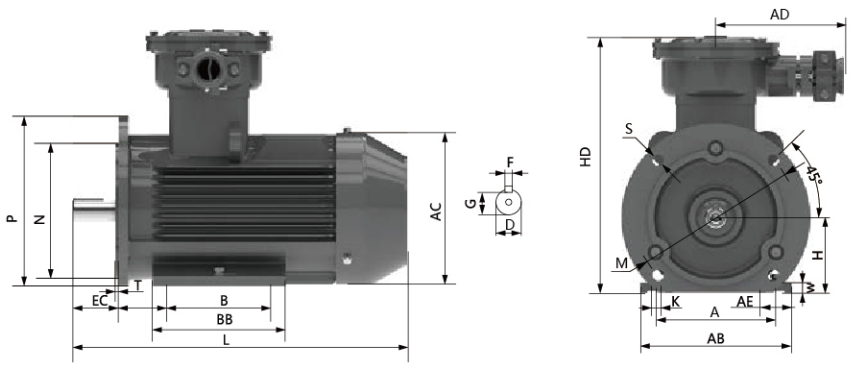
B3外形及安装尺寸 Dimensions Foot Mount B3

机座号	极数	A	B	C	D	E	F	G	H	P	K	AB	BB	AC	AE	AD	HD	L
80	2-8	125	100	50	19	40	6	15.5	80	10	10	160	130	167	34	178	310	340
90S	2-8	140	100	56	24	50	8	20	90	14	10	176	130	184	36	178	335	390
90L	2-8	140	125	56	24	50	8	20	90	14	10	176	155	184	36	178	335	420
100L	2-8	160	140	63	28	60	8	24	100	14	12	200	176	207	43	178	360	470
112M	2-8	190	140	70	28	60	8	24	112	16	12	240	180	221	50	193	375	520
132S	2-8	216	140	89	38	80	10	33	132	18	12	276	190	260	60	193	420	530
132M	2-8	216	178	89	38	80	10	33	132	18	12	276	230	260	60	193	420	570
160M	2-8	254	210	108	42	110	12	37	160	25	14.5	324	258	315	70	210	500	700
160L	2-8	254	254	108	42	110	12	37	160	25	14.5	324	302	315	70	210	500	730
180M	2-8	279	241	121	48	110	14	42.5	180	22	S	349	311	356	70	210	535	790
180L	2-8	279	279	121	48	110	14	42.5	180	22	S	349	349	356	70	210	535	810
200L	2-8	318	305	133	55	110	16	49	200	25	18.5	388	366	398	70	240	612	850
225S	4、8	356	286	149	60	140	18	53	225	28	18.5	431	355	446	75	240	665	900
225M	2	356	311	149	55	110	16	49	225	28	18.5	431	380	446	75	240	665	900
225M	4-8	356	311	149	60	140	18	53	225	28	18.5	431	380	446	75	240	665	930
250M	2	406	349	168	60	140	18	53	250	30	24	486	420	495	80	279	730	990
250M	4-8	406	349	168	65	140	18	58	250	30	24	486	420	495	80	279	730	990
280S	2	457	368	190	65	140	18	58	280	35	24	542	438	547	85	279	790	1020
280S	4-8	457	368	190	75	140	20	67.5	280	35	24	542	438	547	85	279	790	1030
280M	2	457	419	190	65	140	18	58	280	35	24	542	489	547	85	279	790	1070
280M	4-8	457	419	190	75	140	20	67.5	280	35	24	542	489	547	85	279	790	1080
315S	2	508	406	216	65	140	18	58	315	45	28	628	550	620	120	330	980	1210
315S	4-10	508	406	216	80	170	22	71	315	45	28	628	550	620	120	330	980	1290
315M	2	508	457	216	65	140	18	58	315	45	28	628	680	620	120	330	980	1330
315M	4-10	508	457	216	80	170	22	71	315	45	28	628	680	620	120	330	980	1410
315L	2	508	508	216	65	140	18	58	315	45	28	628	680	620	120	330	980	1330
315L	4-10	508	508	216	80	170	22	71	315	45	28	628	680	620	120	330	980	1410
355S	2	610	500	254	75	140	20	67.5	355	52	28	726	636	700	116	330	1120	1490
355S	4-10	610	500	254	95	170	25	86	355	52	28	726	636	700	116	330	1120	1520
355M	2	610	560	254	75	140	20	67.5	355	52	28	726	696	700	116	330	1120	1570
355M	4-10	610	560	254	95	170	25	86	355	52	28	726	696	700	116	330	1120	1600
355L	2	610	630	254	75	140	20	67.5	355	52	28	726	766	700	116	330	1120	1680
355L	4-10	610	630	254	95	170	25	86	355	52	28	726	766	700	116	330	1120	1710

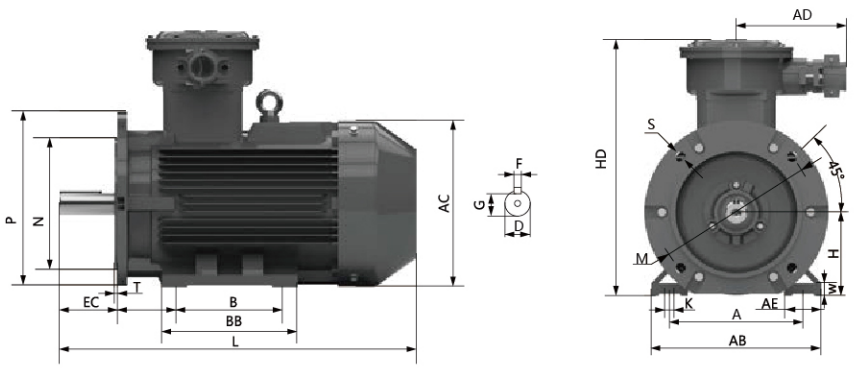
(此外形图用于 YB3 防爆等级为 Exd Ⅰ Mb、Exd Ⅱ BT4Gb,YBX3 防爆等级为 Exd Ⅱ BT4Gb,YBK3 防爆等级为 Exd Ⅰ Mb)

B35外形及安装尺寸 Dimensions Foot-Flange Mount B35

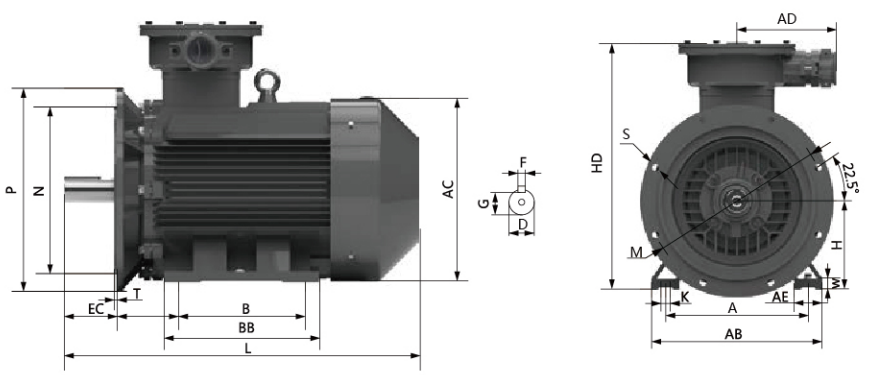
YBX4-80~132



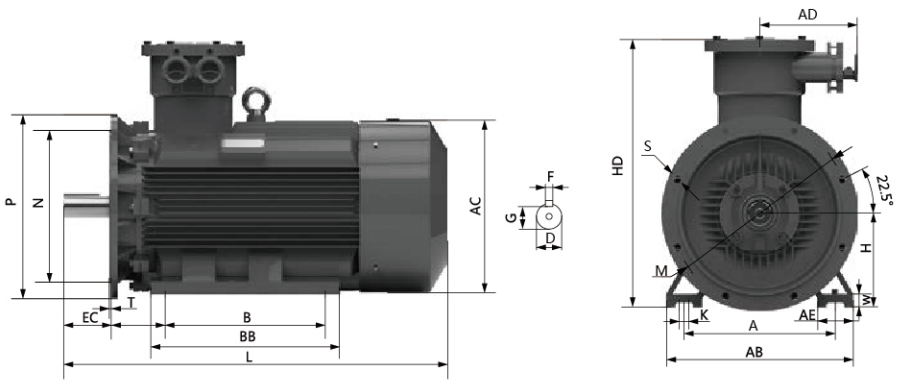
YBX4-160~200



YBX4-225~280



YBX4-315~355



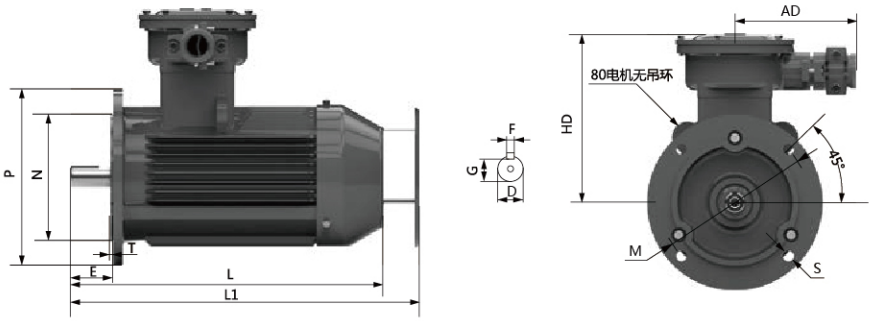
B35外形及安装尺寸 Dimensions Foot-Flange Mount B35

机座号	极数	A	B	C	D	E	F	G	H	K	M	N	S	T	P	W	AB	BB	AC	AD	AE	HD	L
80	2-8	125	100	50	19	40	6	15.5	80	10	165	130	12	3.5	200	10	160	130	167	178	34	305	340
90S	2-8	140	100	56	24	50	8	20	90	10	165	130	12	3.5	200	14	176	130	184	178	36	330	390
90L	2-8	140	125	56	24	50	8	20	90	10	165	130	12	3.5	200	14	176	155	184	178	36	330	420
100L	2-8	160	140	63	28	60	8	24	100	12	215	180	15	4	250	14	200	176	207	178	43	360	470
112M	2-8	190	140	70	28	60	8	24	112	12	215	180	15	4	250	16	240	180	221	193	50	390	520
132S	2-8	216	140	89	38	80	10	33	132	12	265	230	15	4	300	18	276	190	260	193	60	440	530
132M	2-8	216	178	89	38	80	10	33	132	12	265	230	15	4	300	18	276	230	260	193		440	570
160M	2-8	254	210	108	42	110	12	37	160	14.5	300	250	19	5	350	25	324	258	315	210	70	510	700
160L	2-8	254	254	108	42	110	12	37	160	14.5	300	250	19	5	350	25	324	302	315	210	70	510	730
180M	2-8	279	241	121	48	110	14	42.5	180	15	300	250	19	5	350	22	349	311	356	210	70	550	790
180L	2-8	279	279	121	48	110	14	42.5	180	15	300	250	19	5	350	22	349	349	356	210	70	550	810
200L	2-8	318	305	133	55	110	16	49	200	19	350	300	19	5	400	25	388	366	398	240	70	600	850
225S	4、8	356	286	149	60	140	18	53	225	18.5	400	350	19	5	450	28	431	355	446	240	75	640	900
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	19	5	450	28	431	380	446	240	75	640	900
225M	4-8	356	311	149	60	140	18	53	225	18.5	400	350	19	5	450	28	431	380	446	240	75	640	930
250M	2	406	349	168	60	140	18	53	250	24	500	450	19	5	550	30	486	420	495	279	80	720	990
250M	4-8	406	349	168	65	140	18	58	250	24	500	450	19	5	550	30	486	420	495	279	80	720	990
280S	2	457	368	190	65	140	18	58	280	24	500	450	19	5	550	35	542	438	547	279	85	780	1020
280S	4-8	457	368	190	75	140	20	67.5	280	24	500	450	19	5	550	35	542	438	547	279	85	780	1030
280M	2	457	419	190	65	140	18	58	280	24	500	450	19	5	550	35	542	489	547	279	85	780	1070
280M	4-8	457	419	190	75	140	20	67.5	280	24	500	450	19	5	550	35	542	489	547	279	85	780	1080
315S	2	508	406	216	65	140	18	58	315	28	600	550	24	6	660	45	628	550	620	330	120	980	1210
315S	4-10	508	406	216	80	170	22	71	315	28	600	550	24	6	660	45	628	550	620	330	120	980	1290
315M	2	508	457	216	65	140	18	58	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1330
315M	4-10	508	457	216	80	170	22	71	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1410
315L	2	508	508	216	65	140	18	58	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1330
315L	4-10	508	508	216	80	170	22	71	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1410
355S	2	610	500	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	636	700	330	116	1120	1490
355S	4-10	610	500	254	95	170	25	86	355	28	740	680	24	6	800	52	726	636	700	330	116	1120	1520
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	696	700	330	116	1120	1570
355M	4-10	610	560	254	95	170	25	86	355	28	740	680	24	6	800	52	726	696	700	330	116	1120	1600
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	766	700	330	116	1120	1680
355L	4-10	610	630	254	95	170	25	86	355	28	740	680	24	6	800	52	726	766	700	330	116	1120	1710

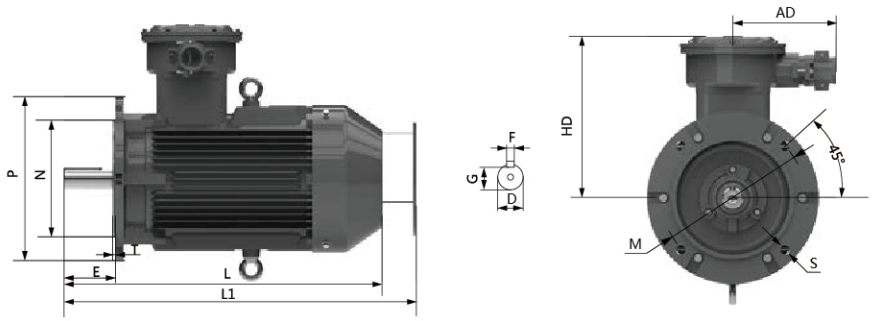
(此外形图用于 YB3 防爆等级为 Exd Ⅰ Mb、Exd Ⅱ BT4Gb,YBX3 防爆等级为 Exd Ⅱ BT4Gb,YBK3 防爆等级为 Exd Ⅰ Mb)

B5&V1外形及安装尺寸 Dimensions Flange Mount B5&V1

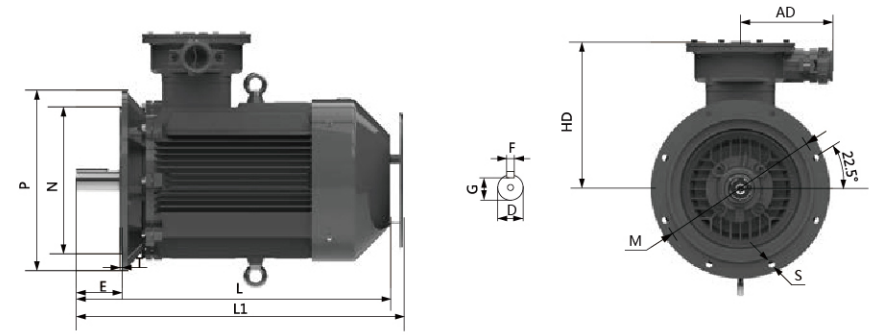
YBX4-80~132



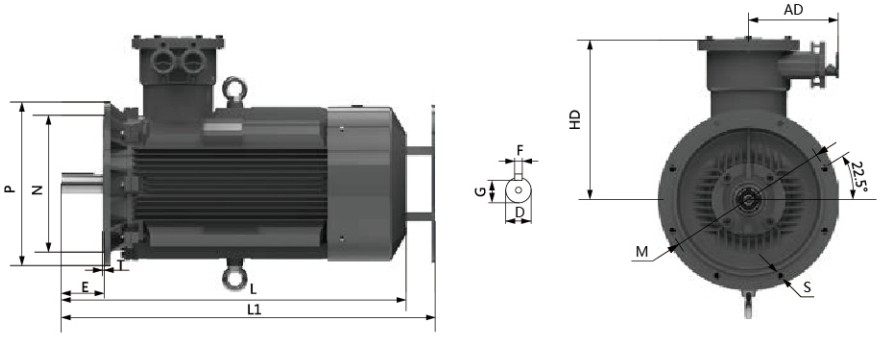
YBX4-160~200



YBX4-225~280



YBX4-315~355



B5&V1外形及安装尺寸 Dimensions Flange Mount B5&V1

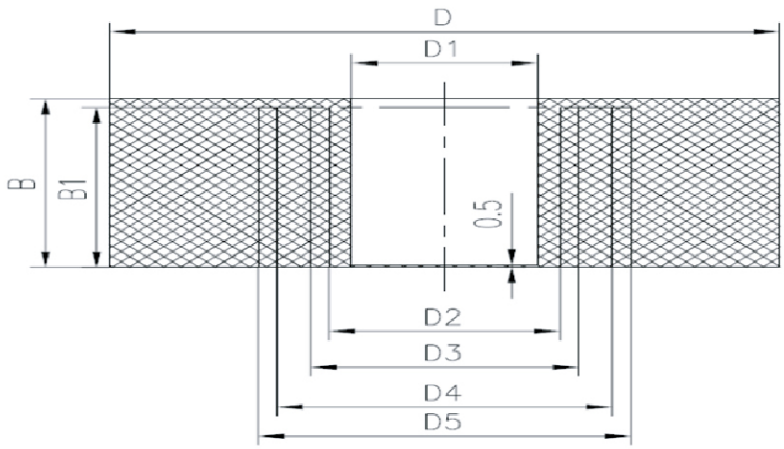
机座号	极数	D	E	F	G	M	N	S	T	P	AD	HD	L(B5)	L1(V1)
80	2-8	19	40	6	15.5	165	130	12	3.5	200	178	230	340	440
90S	2-8	24	50	8	20	165	130	12	3.5	200	178	245	390	490
90L	2-8	24	50	8	20	165	130	12	3.5	200	178	245	420	520
100L	2-8	28	60	8	24	215	180	15	4	250	178	260	470	570
112M	2-8	28	60	8	24	215	180	15	4	250	193	246	520	620
132S	2-8	38	80	10	33	265	230	15	4	300	193	288	530	630
132M	2-8	38	80	10	33	265	230	15	4	300	193	288	570	670
160M	2-8	42	110	12	37	300	250	19	5	350	210	340	700	800
160L	2-8	42	110	12	37	300	250	19	5	350	210	340	730	830
180M	2-8	48	110	14	42.5	300	250	19	5	350	210	355	790	890
180L	2-8	48	110	14	42.5	300	250	19	5	350	210	355	810	910
200L	2-8	55	110	16	49	350	300	19	5	400	240	412	850	950
225S	4、8	60	140	18	53	400	350	19	5	450	240	440	900	1000
225M	2	55	110	16	49	400	350	19	5	450	240	440	900	1000
225M	4-8	60	140	18	53	400	350	19	5	450	240	440	930	1030
250M	2	60	140	18	53	500	450	19	5	550	279	480	990	1090
250M	4-8	65	140	18	58	500	450	19	5	550	279	480	990	1090
280S	2	65	140	18	58	500	450	19	5	550	279	510	1020	1120
280S	4-8	75	140	20	67.5	500	450	19	5	550	279	510	1030	1130
280M	2	65	140	18	58	500	450	19	5	550	279	510	1070	1170
280M	4-8	75	140	20	67.5	500	450	19	5	550	279	510	1080	1180
315S	2	65	140	18	58	600	550	24	6	660	330	665	-	1310
315S	4-10	80	170	22	71	600	550	24	6	660	330	665	-	1390
315M	2	65	140	18	58	600	550	24	6	660	330	665	-	1430
315M	4-10	80	170	22	71	600	550	24	6	660	330	665	-	1510
315L	2	65	140	18	58	600	550	24	6	660	330	665	-	1430
315L	4-10	80	170	22	71	600	550	24	6	660	330	665	-	1510
355S	2	75	140	20	67.5	740	680	24	6	800	330	765	-	1590
355S	4-10	95	170	25	86	740	680	24	6	800	330	765	-	1620
355M	2	75	140	20	67.5	740	680	24	6	800	330	765	-	1670
355M	4-10	95	170	25	86	740	680	24	6	800	330	765	-	1700
355L	2	75	140	20	67.5	740	680	24	6	800	330	765	-	1780
355L	4-10	95	170	25	86	740	680	24	6	800	330	765	-	1810

(此外形图用于 YB3 防爆等级为 Exd Ⅰ Mb、Exd Ⅱ BT4Gb,YBX3 防爆等级为 Exd Ⅱ BT4Gb,YBK3 防爆等级为 Exd Ⅰ Mb)

钢管布线的尺寸 （适用于隔爆型电动机 YB3、YBX3、YBBP ）

机座号	钢管布线尺寸
80-132	M30X2
160-180	M36X2
200-225	M48X2
250-280	M64X2
315-355	2XM64X2

密封圈尺寸 （适用于隔爆型电动机 YB3、YBX3、YBBP、YBK3 ）



机座号	尺寸							
	D1	D2	D3	D4	D5	D	B1	B
80-132	φ14	φ20	φ25			φ42	24	26
160-180	φ14	φ20	φ26	φ31	φ35	φ58	24	26
200-225	φ20	φ26	φ32	φ38	φ42	φ72	30	32
250-355	φ25	φ31	φ36	φ45	φ50	φ90	36	38

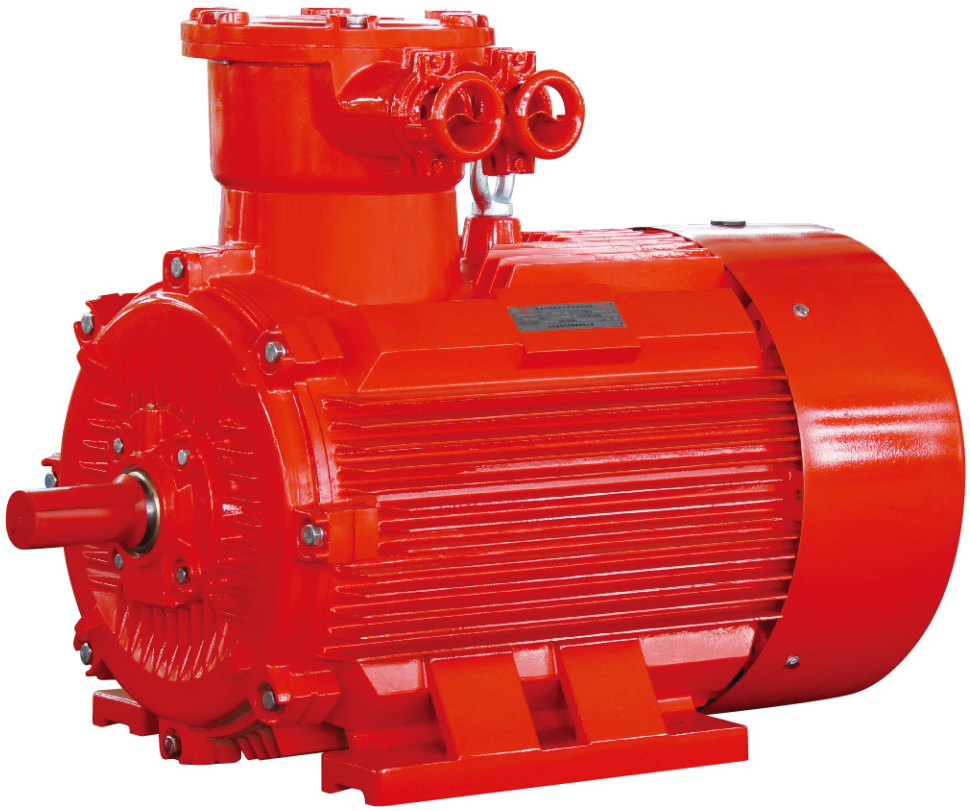
说明：机座号为 315、355 电机有两个出线口

轴承型号 Bearing Type

机座号	极 数	轴伸端	非轴伸端
80	全 部	6204-2Z	6204-2Z
90	全 部	6205-2Z	6205-2Z
100	全 部	6206-2Z	6206-2Z
112	全 部	6206-2Z	6206-2Z
132	全 部	6208-2Z	6208-2Z
160	2P	6209-2Z	6209-2Z
160	4 ~ 8P	6309-2Z	6209-2Z
180	2P	6211	6211
180	4 ~ 8P	6311	6211
200	2P	6212	6212
200	4 ~ 8P	6312	6212
225	2P	6312	6312
225	4 ~ 8P	6313	6312
250	2P	6313	6313
250	4 ~ 8P	6314	6313
280	2P	6314	6314
280	4 ~ 8P	6317	6314
315	2P	6316	6316
315	4 ~ 10P	6319	6319
355	2P	6319	6319
355	4 ~ 10P	6322	6322

YBK3系列煤矿井下用隔爆型三相异步电动机

YBK3 Series Flameproof Three-phase Asynchronous Motor For Coal Mines



产品概述 Product Introduction

YBK3 系列煤矿井下用隔爆型三相异步电动机符合 GB18613-2012《中小型三相异步电动机能效限定值及能效等级》中规定的三级效率标准，是 YBK2 系列的更新换代产品。电动机按照 GB3836.2 的规定制成隔爆型，其防爆标志位 Exd Ⅰ Mb。适用于含有甲烷或粉尘的煤矿井下采掘面工作面，作为一般动力设备使用。

执行标准为：JB/T9593.1-2015

YBK3 series coal mine flameproof three-phase asynchronous motor in accordance with GB18613-2012 the small and medium-sized three-phase asynchronous motor limited value of energy efficiency and energy efficiency grade specified in the standard of three levels of efficiency , It is the update products of YBK2 series. Motor made in accordance with the provisions of GB3836.2 flameproof, The explosion-proof marks a Exd Ⅰ Mb, Suitable for methane or dust in working face of coal mine underground mining,Used as a general power equipment.

Executive standard is JB/T9593.1-2015

详细说明 Specification

◆现场条件

YBK3 系列电动机标准工作条件为海拔不超过 1000m，环境温度最低为 -15℃，环境温度最高为 35℃。

◆温升和绝缘

电动机按 F 级绝缘设计（155℃），按 B 级绝缘考核（80K），电动机的使用寿命和可靠性得到保证。

◆冷却和通风

标准冷却方式为全封闭自扇冷。标准电机装有辅流式塑料风扇。符合 IEC60034-6 中 IC411 的规定。

◆防护等级

电动机的防护等级为 IP55，可用于含尘或潮湿环境。

◆电压、频率

（1）机座号 80-100 电压为 380V 或者 660V

（2）机座号 112-355 电压为 380/660V、660/1140V

◆额定频率为 50HZ

在供电电压偏离额定电压 ±5% 的情况下，仍能良好运行。

◆接线盒位置

接线盒在机座上方可以四个方向进线，进线分为橡套电缆和钢管布线两种。

◆质量保证

从产品设计到产品出厂，遵循 ISO9001 质量认证体系，严格遵守质量程序。

◆ site conditions

The standard working conditions of YBK3 series motors are as follows : The altitude is not more than 1000 meters, the lowest ambient temperature is -15 ℃ , and the highest ambient temperature is 35℃ .

◆ temperature rise and insulation

F class (155 ℃) insulation system and temperature rise class B (80K) are adopted to the motor.The service life and reliability of the motor are guaranteed

◆ cooling and ventilation

The standard cooling method is fully enclosed self-fan cooling standard motor equipped with auxiliary flow plastic fan in accordance with the provisions of IC411 in iec60034-6

◆ protection class

The standard protection class of motor is IP55,can be used in dusty or humid environment.

◆ voltage、frequency

Frame size80-100, the voltage is 380V or 660v

Frame size112-355, the voltage is 380/660V、660/1140V

◆ Rated frequency is 50HZ

Under the condition that the supply voltage deviates from the rated voltage by 5%, it can still run well.

◆ terminal box position

Terminal box in the upper part of the frame can be four directions into the line, the line is divided into rubber cable and steel pipe wiring two kinds

◆ quality guarantee

From the product design to the delivery of products, follow the ISO9001 quality certification system, strict compliance with quality procedures

技术数据 Technical Data

2 极 – 同步转速 3000r/min 50HZ
2pole–3000rpm synchronous speed 50HZ

型号 motor type	额定功率 rated output KW	额定转速 rated speed rpm	额定电流 IFL 380V A	额定电流 IFL 660V A	额定电流 IFL 1140V A	效率 EFF %	功率因数 power factor cosφ	堵转转矩 额定转矩 TST/TFL	最大转矩 额定转矩 TM/TFL	堵转电流 额定电流 IST/IFL	噪音 noise level LW dB (A)	重量 net weight kg
YBK3-80M1-2	0.75	2855	1.8	1.0	—	77.4%	0.83	2.3	2.3	6.8	67	
YBK3-80M2-2	1.1	2855	2.5	1.5	—	79.6%	0.83	2.3	2.3	7.3	67	
YBK3-90S-2	1.5	2875	3.3	1.9	—	81.3%	0.84	2.3	2.3	7.6	72	
YBK3-90L-2	2.2	2875	4.7	2.7	—	83.2%	0.85	2.3	2.3	7.8	72	
YBK3-100L-2	3	2880	6.2	3.6	—	84.6%	0.87	2.3	2.3	8.1	76	
YBK3-112M-2	4	2900	8.0	4.6	2.7	85.8%	0.88	2.3	2.3	8.3	77	
YBK3-132S1-2	5.5	2900	10.9	6.3	3.6	87.0%	0.88	2.2	2.3	8.0	80	
YBK3-132S2-2	7.5	2900	14.5	8.4	4.8	88.1%	0.89	2.2	2.3	7.8	80	
YBK3-160M1-2	11	2940	21.0	12.1	7.0	89.4%	0.89	2.2	2.3	7.9	84	
YBK3-160M2-2	15	2940	28.4	16.3	9.5	90.3%	0.89	2.2	2.3	8.0	84	
YBK3-160L-2	18.5	2940	34.7	20.0	11.6	90.9%	0.89	2.2	2.3	8.1	84	
YBK3-180M-2	22	2955	41.1	23.7	13.7	91.3%	0.89	2.2	2.3	8.2	85	
YBK3-200L1-2	30	2965	55.7	32.1	18.6	92.0%	0.89	2.2	2.3	7.5	87	
YBK3-200L2-2	37	2965	68.3	39.3	22.8	92.5%	0.89	2.2	2.3	7.5	87	
YBK3-225M-2	45	2970	82.7	47.6	27.6	92.9%	0.89	2.2	2.3	7.6	89	
YBK3-250M-2	55	2975	100.7	58.0	33.6	93.2%	0.89	2.2	2.3	7.6	89	
YBK3-280S-2	75	2975	136.5	78.6	45.5	93.8%	0.89	2.0	2.3	6.9	91	
YBK3-280M-2	90	2975	163.3	94.0	54.4	94.1%	0.89	2.0	2.3	7.0	91	
YBK3-315S-2	110	2980	199.1	114.7	66.4	94.3%	0.89	1.9	2.2	7.1	103	
YBK3-315M-2	132	2980	238.2	137.2	79.4	94.6%	0.89	1.9	2.2	7.1	103	
YBK3-315L1-2	160	2980	288.1	165.9	96.0	94.8%	0.89	1.9	2.2	7.1	103	
YBK3-315L2-2	200	2980	359.4	206.9	119.8	95.0%	0.89	1.9	2.2	7.1	103	
YBK3-355M1-2	220	2980	386.7	227.6	131.8	95.0%	0.89	1.8	2.2	7.1	105	
YBK3-355M2-2	250	2980	439.4	255.8	148.1	95.0%	0.9	1.8	2.2	7.1	105	
YBK3-355L1-2	280	2980	492.1	286.5	165.9	95.0%	0.9	1.8	2.2	7.1	105	
YBK3-355L2-2	315	2980	553.6	322.3	186.6	95.0%	0.9	1.8	2.2	7.1	105	

技术数据 Technical Data

4 极 – 同步转速 1500r/min 50HZ
4pole–1500rpm synchronous speed 50HZ

型号 motor type	额定功率 rated output KW	额定转速 rated speed rpm	额定电流 IFL 380V A	额定电流 IFL 660V A	额定电流 IFL 1140V A	效率 EFF %	功率因数 power factor cosφ	堵转转矩 / 额定转矩 TST/TFL	最大转矩 / 额定转矩 TM/TFL	堵转电流 / 额定电流 IST/IFL	噪音 noise level LW dB (A)	重量 net weight kg
YBK3-80M1-4	0.55	1400	1.4	0.8	—	77.80%	0.75	2.3	2.3	6.3	58	
YBK3-80M2-4	0.75	1400	1.9	1.1	—	79.6%	0.75	2.3	2.3	6.5	58	
YBK3-90S-4	1.1	1425	2.7	1.6	—	81.4%	0.75	2.3	2.3	6.6	61	
YBK3-90L-4	1.5	1425	3.7	2.1	—	82.8%	0.75	2.3	2.3	6.9	61	
YBK3-100L1-4	2.2	1440	4.9	2.8	—	84.3%	0.81	2.3	2.3	7.5	64	
YBK3-100L2-4	3	1440	6.5	3.7	—	85.5%	0.82	2.3	2.3	7.6	64	
YBK3-112M-4	4	1450	8.6	4.9	2.9	86.6%	0.82	2.3	2.3	7.7	65	
YBK3-132S-4	5.5	1455	11.6	6.7	3.9	87.7%	0.82	2.0	2.3	7.5	71	
YBK3-132M-4	7.5	1455	15.5	8.9	5.2	88.7%	0.83	2.0	2.3	7.4	71	
YBK3-160M-4	11	1465	21.9	12.6	7.3	89.8%	0.85	2.0	2.3	7.5	74	
YBK3-160L-4	15	1465	29.6	17.0	9.9	90.6%	0.85	2.0	2.3	7.5	74	
YBK3-180M-4	18.5	1470	35.8	20.6	11.9	91.2%	0.86	2.0	2.3	7.7	76	
YBK3-180L-4	22	1475	42.4	24.4	14.1	91.6%	0.86	2.0	2.3	7.8	76	
YBK3-200L-4	30	1475	56.8	32.7	18.9	92.3%	0.87	2.0	2.3	7.2	79	
YBK3-225S-4	37	1480	69.7	40.1	23.2	92.7%	0.87	2.0	2.3	7.3	81	
YBK3-225M-4	45	1480	84.4	48.6	28.1	93.1%	0.87	2.0	2.3	7.4	81	
YBK3-250M-4	55	1480	101.6	58.5	33.9	93.5%	0.88	2.0	2.3	7.4	83	
YBK3-280S-4	75	1485	137.8	79.3	45.9	94.0%	0.88	2.0	2.3	7.0	85	
YBK3-280M-4	90	1485	163.1	93.9	54.4	94.2%	0.89	2.0	2.3	7.0	85	
YBK3-315S-4	110	1485	198.7	114.4	66.2	94.5%	0.89	2.0	2.2	7.0	106	
YBK3-315M-4	132	1485	238.0	137.0	79.3	94.7%	0.89	2.0	2.2	7.0	106	
YBK3-315L1-4	160	1485	287.8	165.7	95.9	94.9%	0.89	2.0	2.2	7.0	106	
YBK3-315L2-4	200	1485	355.0	206.7	119.7	95.1%	0.89	2.0	2.2	7.0	106	
YBK3-355M1-4	220	1490	390.5	227.4	131.6	95.1%	0.89	2.0	2.2	7.0	108	
YBK3-355M2-4	250	1490	443.8	258.4	149.6	95.1%	0.89	2.0	2.2	7.0	108	
YBK3-355L1-4	280	1490	497.1	289.4	167.5	95.1%	0.89	2.0	2.2	7.0	108	
YBK3-355L2-4	315	1490	559.2	325.6	188.5	95.1%	0.89	2.0	2.2	7.0	108	

技术数据 Technical Data

6 极 – 同步转速 1000r/min 50HZ
6pole–1000rpm synchronous speed 50HZ

型号 motor type	额定功率 rated output KW	额定转速 rated speed rpm	额定电流 IFL 380V A	额定电流 IFL 660V A	额定电流 IFL 1140V A	效率 EFF %	功率因数 power factor cosφ	堵转转矩 / 额定转矩 TST/TFL	最大转矩 / 额定转矩 TM/TFL	堵转电流 / 额定电流 IST/IFL	噪音 noise level LW dB (A)	重量 net weight kg
YBK3-80M1	0.37	890	1.2	0.7	—	67.00%	0.72	1.9	2.1	4.7	54	
YBK3-80M2	0.55	890	1.6	0.9	—	73.60%	0.72	1.9	2.1	4.7	54	
YBK3-90S-6	0.75	935	2.1	1.2	—	75.9%	0.72	2.1	2.1	5.8	57	
YBK3-90L-6	1.1	940	2.9	1.7	—	78.1%	0.73	2.1	2.1	5.9	57	
YBK3-100L-6	1.5	945	3.9	2.2	—	79.8%	0.74	2.1	2.1	6.0	61	
YBK3-112M-6	2.2	950	5.5	3.2	1.8	81.8%	0.74	2.1	2.1	6.0	65	
YBK3-132S-6	3	960	7.4	4.3	2.5	83.3%	0.74	2.0	2.1	6.2	69	
YBK3-132M1-6	4	960	9.7	5.6	3.2	84.6%	0.74	2.0	2.1	6.8	69	
YBK3-132M2-6	5.5	960	13.0	7.5	4.3	86.0%	0.75	2.0	2.1	7.1	69	
YBK3-160M-6	7.5	970	16.8	9.6	5.6	87.2%	0.78	2.1	2.1	7.0	70	
YBK3-160L-6	11	970	24.2	13.9	8.1	88.7%	0.78	2.1	2.1	7.0	70	
YBK3-180L-6	15	975	31.4	18.1	10.5	89.7%	0.81	2.0	2.1	7.2	73	
YBK3-200L1-6	18.5	975	38.4	22.1	12.8	90.4%	0.81	2.1	2.1	7.2	76	
YBK3-200L2-6	22	975	44.8	25.8	14.9	90.9%	0.82	2.1	2.1	7.3	76	
YBK3-225M-6	30	985	61.4	35.3	20.5	91.7%	0.81	2.0	2.1	7.1	76	
YBK3-250M-6	37	985	72.6	41.8	24.2	92.2%	0.84	2.1	2.1	7.1	78	
YBK3-280S-6	45	985	85.8	49.4	28.6	92.7%	0.86	2.1	2.0	7.2	80	
YBK3-280M-6	55	985	104.4	60.1	34.8	93.1%	0.86	2.1	2.0	7.2	80	
YBK3-315S-6	75	990	143.1	82.4	47.7	93.7%	0.85	2.0	2.0	7.0	85	
YBK3-315M-6	90	990	173.2	99.7	57.7	94.0%	0.84	2.0	2.0	7.0	85	
YBK3-315L1-6	110	990	208.5	120.1	69.5	94.3%	0.85	2.0	2.0	7.0	85	
YBK3-315L2-6	132	990	246.5	141.9	82.2	94.6%	0.86	2.0	2.0	7.0	85	
YBK3-355S-6	160	990	298.2	169.7	98.3	94.8%	0.87	1.9	2.0	7.0	91	
YBK3-355M1-6	185	990	344.8	196.0	113.5	94.9%	0.87	1.9	2.0	7.0	91	
YBK3-355M2-6	200	990	371.9	211.7	122.6	95.0%	0.87	1.9	2.0	7.0	91	
YBK3-355L1-6	220	990	409.1	232.9	134.8	95.0%	0.87	1.9	2.0	7.0	91	
YBK3-355L2-6	250	990	464.9	264.6	153.2	95.0%	0.87	1.9	2.0	7.0	91	

技术数据 Technical Data

8 极 – 同步转速 750r/min 50HZ
8pole–750rpm synchronous speed 50HZ

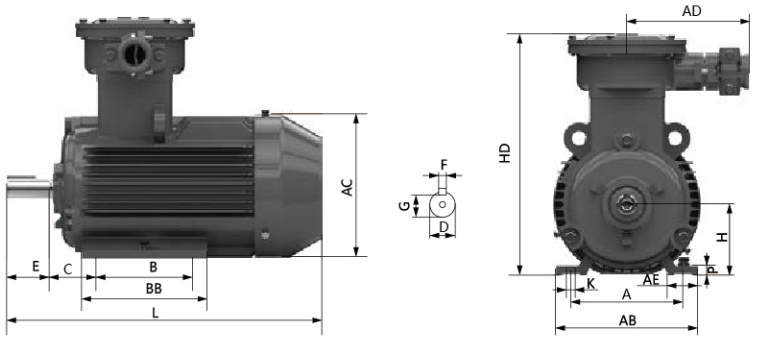
型号 motor type	额定功率 rated output KW	额定转速 rated speed rpm	额定电流 IFL 380V A	额定电流 IFL 660V A	额定电流 IFL 1140V A	效率 EFF %	功率因数 power factor cosφ	堵转转矩 / 额定转矩 TST/TFL	最大转矩 / 额定转矩 TM/TFL	堵转电流 / 额定电流 IST/IFL	噪音 noise level LW dB (A)	重量 net weight kg
YBK3-90S-8	0.37	670	1.7	1	—	53%	0.61	1.8	1.9	4.0	56	
YBK3-90L-8	0.55	670	2.2	1.3	—	63%	0.61	1.8	2.0	4.0	56	
YBK3-100L1-8	0.75	690	2.6	1.4	—	66.2%	0.67	1.8	2.0	4.0	59	
YBK3-100L2-8	1.1	690	3.4	2.0	—	70.8%	0.69	1.8	2.0	5.0	59	
YBK3-112M-8	1.5	690	4.4	2.5	1.5	74.1%	0.70	1.8	2.0	5.0	61	
YBK3-132S-8	2.2	710	6.1	3.5	2.0	77.6%	0.71	1.8	2.0	6.0	64	
YBK3-132M-8	3	710	7.8	4.6	2.6	80.0%	0.73	1.8	2.0	6.0	64	
YBK3-160M1-8	4	720	10.2	6.0	3.5	81.9%	0.73	1.9	2.0	6.0	68	
YBK3-160M2-8	5.5	720	13.5	7.9	4.6	83.8%	0.74	1.9	2.0	6.0	68	
YBK3-160L-8	7.5	720	17.8	10.4	6.0	85.3%	0.75	1.9	2.0	6.0	68	
YBK3-180L-8	11	730	25.6	14.8	8.6	86.9%	0.75	1.9	2.0	6.5	70	
YBK3-200L-8	15	730	34.1	19.9	11.5	88.0%	0.76	1.9	2.0	6.6	73	
YBK3-225S-8	18.5	730	41.7	23.9	13.8	88.6%	0.76	1.9	2.0	6.6	73	
YBK3-225M-8	22	740	48.1	27.5	15.9	89.1%	0.78	1.9	2.0	6.6	73	
YBK3-250M-8	30	740	64.3	36.7	21.3	89.8%	0.79	1.9	2.0	6.5	75	
YBK3-280S-8	37	740	78.8	45.1	26.1	90.3%	0.79	1.8	2.0	6.6	76	
YBK3-280M-8	45	740	95.4	54.5	31.6	90.7%	0.79	1.8	2.0	6.6	76	
YBK3-315S-8	55	740	113.4	65.2	37.7	91.0%	0.81	1.8	2.0	6.6	82	
YBK3-315M-8	75	740	153.6	88.0	50.9	91.6%	0.81	1.8	2.0	6.4	82	
YBK3-315L1-8	90	740	181.5	105.3	60.9	91.9%	0.82	1.8	2.0	6.4	82	
YBK3-315L2-8	110	740	220.8	125.5	72.7	92.3%	0.82	1.8	2.0	6.4	82	
YBK3-355S-8	132	740	264.1	150.6	87.2	92.6%	0.82	1.8	2.0	6.4	89	
YBK3-355M-8	160	740	318.8	181.6	105.1	93.0%	0.82	1.8	2.0	6.4	89	
YBK3-355L1-8	185	740	366.6	210.0	121.6	93.5%	0.82	1.8	2.0	6.4	89	
YBK3-355L2-8	200	740	396.4	223.8	129.6	93.5%	0.82	1.8	2.0	6.4	90	

10 极 – 同步转速 600r/min 50HZ
10pole–600rpm synchronous speed 50HZ

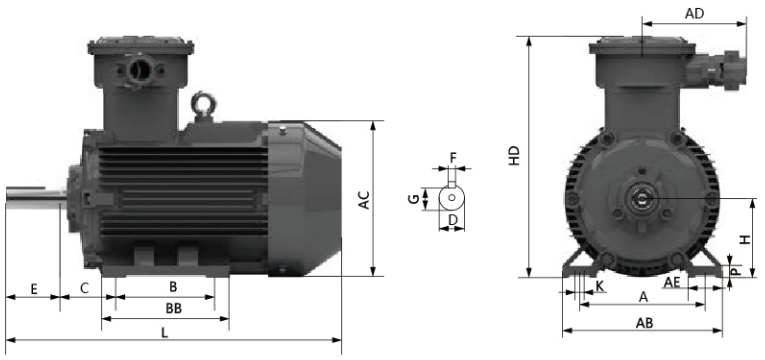
型号 motor type	额定功率 rated output KW	额定转速 rated speed rpm	额定电流 IFL 380V A	额定电流 IFL 660V A	额定电流 IFL 1140V A	效率 EFF %	功率因数 power factor cosφ	堵转转矩 / 额定转矩 TST/TFL	最大转矩 / 额定转矩 TM/TFL	堵转电流 / 额定电流 IST/IFL	噪音 noise level LW dB (A)	重量 net weight kg
YBK3-315S-10	45	590	100.0	57.6	33.3	91.2	0.75	1.8	2.0	6.2	82	
YBK3-315M-10	55	590	121.4	69.9	40.5	91.8	0.75	1.8	2.0	6.2	82	
YBK3-315L1-10	75	590	162.4	93.5	54.1	92.3	0.76	1.8	2.0	6.2	82	
YBK3-315L2-10	90	590	191.4	110.2	63.8	92.8	0.77	1.8	2.0	6.2	82	
YBK3-355M1-10	110	590	230.4	132.7	76.8	93	0.78	1.8	2.0	6.0	90	
YBK3-355M2-10	132	590	275.6	158.7	91.9	93.3	0.78	1.8	2.0	6.0	90	
YBK3-355L1-10	160	590	334.1	192.3	111.4	93.3	0.78	1.8	2.0	6.0	90	
YBK3-355L2-10	185	590	386.2	222.4	128.7	93.3	0.78	1.8	2.0	6.0	90	

B3外形及安装尺寸 Dimensions Foot Mount B3

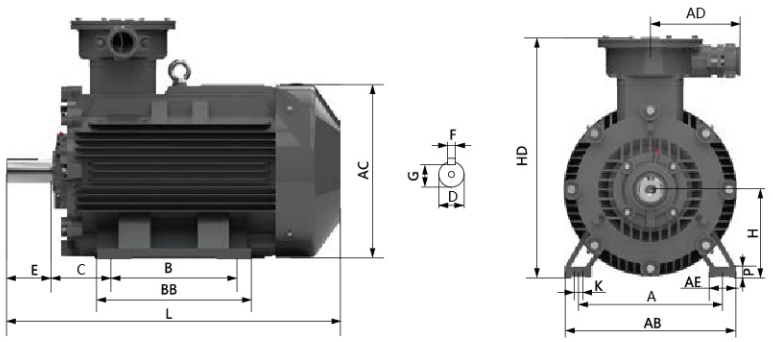
YBK3-80~132



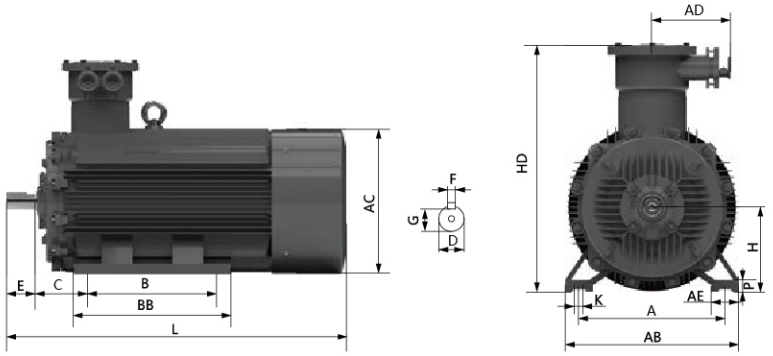
YBK3-160~200



YBK3-225~280



YBK3-315~355



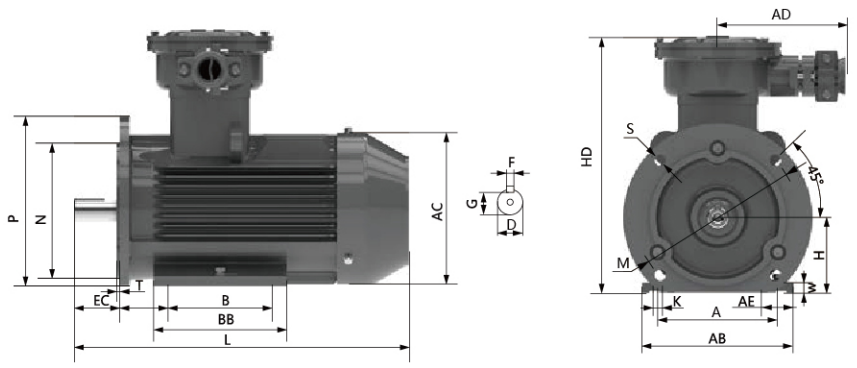
B3外形及安装尺寸 Dimensions Foot Mount B3

机座号	极数	A	B	C	D	E	F	G	H	P	K	AB	BB	AC	AE	AD	HD	L
80	2-8	125	100	50	19	40	6	15.5	80	10	10	160	130	167	34	178	305	340
90S	2-8	140	100	56	24	50	8	20	90	14	10	176	130	184	36	178	330	390
90L	2-8	140	125	56	24	50	8	20	90	14	10	176	155	184	36	178	330	420
100L	2-8	160	140	63	28	60	8	24	100	14	12	200	176	207	43	178	360	470
112M	2-8	190	140	70	28	60	8	24	112	16	12	240	180	221	50	193	390	520
132S	2-8	216	140	89	38	80	10	33	132	18	12	276	190	260	60	193	440	530
132M	2-8	216	178	89	38	80	10	33	132	18	12	276	230	260	60	193	440	570
160M	2-8	254	210	108	42	110	12	37	160	25	14.5	324	258	315	70	210	510	700
160L	2-8	254	254	108	42	110	12	37	160	25	14.5	324	302	315	70	210	510	730
180M	2-8	279	241	121	48	110	14	42.5	180	22	S	349	311	356	70	210	550	790
180L	2-8	279	279	121	48	110	14	42.5	180	22	S	349	349	356	70	210	550	810
200L	2-8	318	305	133	55	110	16	49	200	25	18.5	388	366	398	70	240	600	850
225S	4、8	356	286	149	60	140	18	53	225	28	18.5	431	355	446	75	240	640	900
225M	2	356	311	149	55	110	16	49	225	28	18.5	431	380	446	75	240	640	900
225M	4-8	356	311	149	60	140	18	53	225	28	18.5	431	380	446	75	240	640	930
250M	2	406	349	168	60	140	18	53	250	30	24	486	420	495	80	279	720	990
250M	4-8	406	349	168	65	140	18	58	250	30	24	486	420	495	80	279	720	990
280S	2	457	368	190	65	140	18	58	280	35	24	542	438	547	85	279	780	1020
280S	4-8	457	368	190	75	140	20	67.5	280	35	24	542	438	547	85	279	780	1030
280M	2	457	419	190	65	140	18	58	280	35	24	542	489	547	85	279	780	1070
280M	4-8	457	419	190	75	140	20	67.5	280	35	24	542	489	547	85	279	780	1080
315S	2	508	406	216	65	140	18	58	315	45	28	628	550	620	120	330	980	1210
315S	4-10	508	406	216	80	170	22	71	315	45	28	628	550	620	120	330	980	1290
315M	2	508	457	216	65	140	18	58	315	45	28	628	680	620	120	330	980	1330
315M	4-10	508	457	216	80	170	22	71	315	45	28	628	680	620	120	330	980	1410
315L	2	508	508	216	65	140	18	58	315	45	28	628	680	620	120	330	980	1330
315L	4-10	508	508	216	80	170	22	71	315	45	28	628	680	620	120	330	980	1410
355S	2	610	500	254	75	140	20	67.5	355	52	28	726	636	700	116	330	1120	1490
355S	4-10	610	500	254	95	170	25	86	355	52	28	726	636	700	116	330	1120	1520
355M	2	610	560	254	75	140	20	67.5	355	52	28	726	696	700	116	330	1120	1570
355M	4-10	610	560	254	95	170	25	86	355	52	28	726	696	700	116	330	1120	1600
355L	2	610	630	254	75	140	20	67.5	355	52	28	726	766	700	116	330	1120	1680
355L	4-10	610	630	254	95	170	25	86	355	52	28	726	766	700	116	330	1120	1710

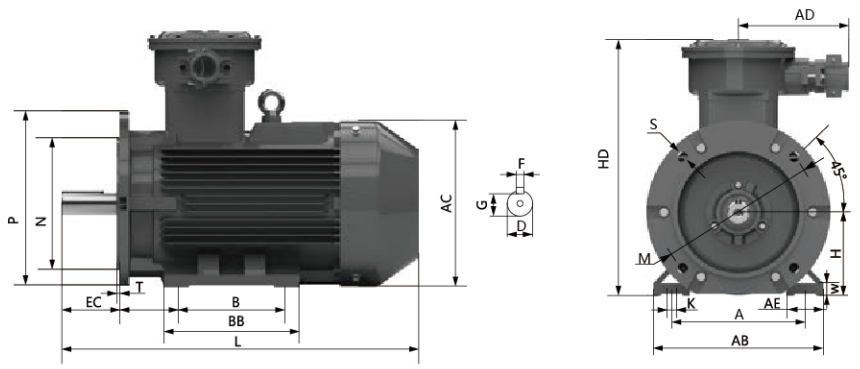
(此外形图用于 YB3 防爆等级为 Exd Ⅰ Mb、Exd Ⅱ BT4Gb,YBX3 防爆等级为 Exd Ⅱ BT4Gb,YBK3 防爆等级为 Exd Ⅰ Mb)

B35外形及安装尺寸 Dimensions Foot-Flange Mount B35

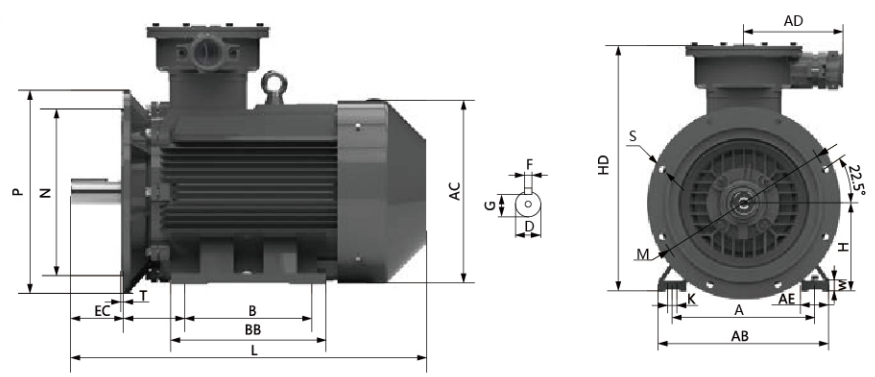
YBK3-80~132



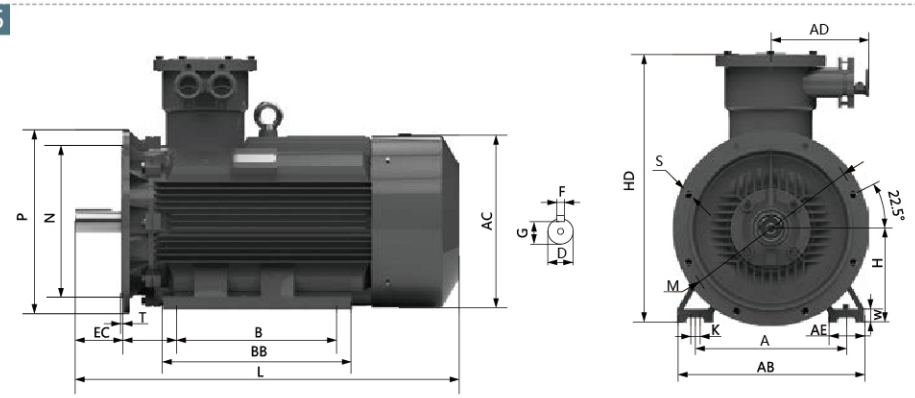
YBK3-160~200



YBK3-225~280



YBK3-315~355



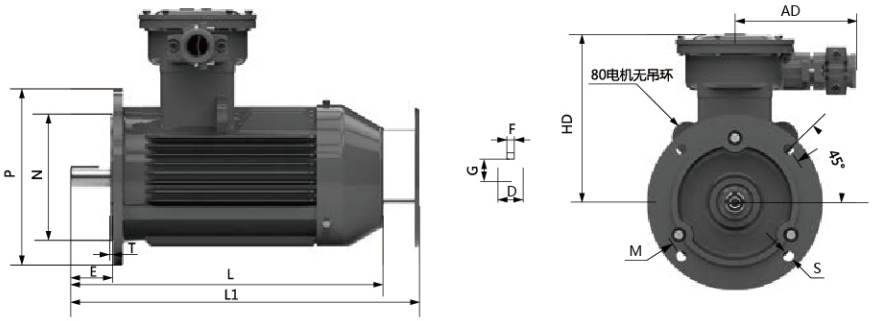
B35外形及安装尺寸 Dimensions Foot-Flange Mount B35

机座号	极数	A	B	C	D	E	F	G	H	K	M	N	S	T	P	W	AB	BB	AC	AD	AE	HD	L
80	2-8	125	100	50	19	40	6	15.5	80	10	165	130	12	3.5	200	10	160	130	167	178	34	305	340
90S	2-8	140	100	56	24	50	8	20	90	10	165	130	12	3.5	200	14	176	130	184	178	36	330	390
90L	2-8	140	125	56	24	50	8	20	90	10	165	130	12	3.5	200	14	176	155	184	178	36	330	420
100L	2-8	160	140	63	28	60	8	24	100	12	215	180	15	4	250	14	200	176	207	178	43	360	470
112M	2-8	190	140	70	28	60	8	24	112	12	215	180	15	4	250	16	240	180	221	193	50	390	520
132S	2-8	216	140	89	38	80	10	33	132	12	265	230	15	4	300	18	276	190	260	193	60	440	530
132M	2-8	216	178	89	38	80	10	33	132	12	265	230	15	4	300	18	276	230	260	193	60	440	570
160M	2-8	254	210	108	42	110	12	37	160	14.5	300	250	19	5	350	25	324	258	315	210	70	510	700
160L	2-8	254	254	108	42	110	12	37	160	14.5	300	250	19	5	350	25	324	302	315	210	70	510	730
180M	2-8	279	241	121	48	110	14	42.5	180	15	300	250	19	5	350	22	349	311	356	210	70	550	790
180L	2-8	279	279	121	48	110	14	42.5	180	15	300	250	19	5	350	22	349	349	356	210	70	550	810
200L	2-8	318	305	133	55	110	16	49	200	19	350	300	19	5	400	25	388	366	398	240	70	600	850
225S	4、8	356	286	149	60	140	18	53	225	18.5	400	350	19	5	450	28	431	355	446	240	75	640	900
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	19	5	450	28	431	380	446	240	75	640	900
225M	4-8	356	311	149	60	140	18	53	225	18.5	400	350	19	5	450	28	431	380	446	240	75	640	930
250M	2	406	349	168	60	140	18	53	250	24	500	450	19	5	550	30	486	420	495	279	80	720	990
250M	4-8	406	349	168	65	140	18	58	250	24	500	450	19	5	550	30	486	420	495	279	80	720	990
280S	2	457	368	190	65	140	18	58	280	24	500	450	19	5	550	35	542	438	547	279	85	780	1020
280S	4-8	457	368	190	75	140	20	67.5	280	24	500	450	19	5	550	35	542	438	547	279	85	780	1030
280M	2	457	419	190	65	140	18	58	280	24	500	450	19	5	550	35	542	489	547	279	85	780	1070
280M	4-8	457	419	190	75	140	20	67.5	280	24	500	450	19	5	550	35	542	489	547	279	85	780	1080
315S	2	508	406	216	65	140	18	58	315	28	600	550	24	6	660	45	628	550	620	330	120	980	1210
315S	4-10	508	406	216	80	170	22	71	315	28	600	550	24	6	660	45	628	550	620	330	120	980	1290
315M	2	508	457	216	65	140	18	58	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1330
315M	4-10	508	457	216	80	170	22	71	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1410
315L	2	508	508	216	65	140	18	58	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1330
315L	4-10	508	508	216	80	170	22	71	315	28	600	550	24	6	660	45	628	680	620	330	120	980	1410
355S	2	610	500	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	636	700	330	116	1120	1490
355S	4-10	610	500	254	95	170	25	86	355	28	740	680	24	6	800	52	726	636	700	330	116	1120	1520
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	696	700	330	116	1120	1570
355M	4-10	610	560	254	95	170	25	86	355	28	740	680	24	6	800	52	726	696	700	330	116	1120	1600
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	766	700	330	116	1120	1680
355L	4-10	610	630	254	95	170	25	86	355	28	740	680	24	6	800	52	726	766	700	330	116	1120	1710

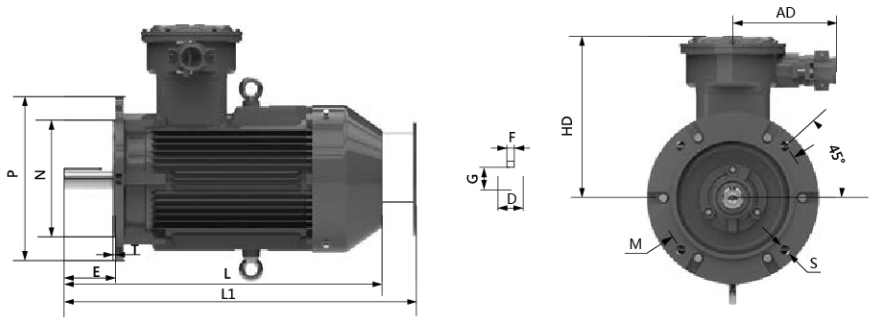
(此外形图用于 YB3 防爆等级为 Exd Ⅰ Mb、Exd Ⅱ BT4Gb,YBX3 防爆等级为 Exd Ⅱ BT4Gb,YBK3 防爆等级为 Exd Ⅰ Mb)

B5&V1外形及安装尺寸 Dimensions Flange Mount B5&V1

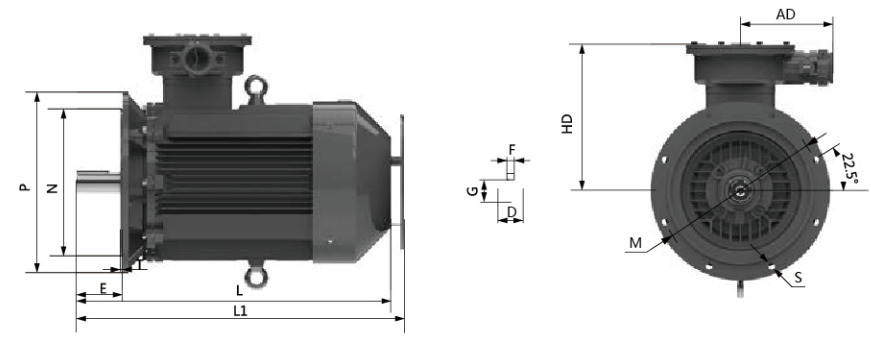
YBK3-80~132



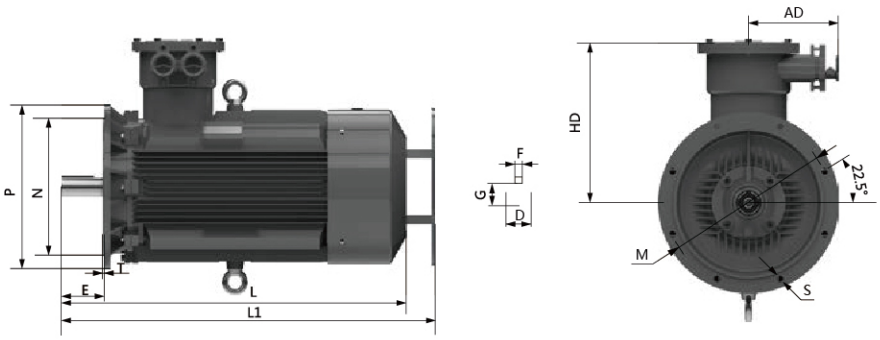
YBK3-160~200



YBK3-225~280



YBK3-315~355



B5&V1外形及安装尺寸 Dimensions Flange Mount B5&V1

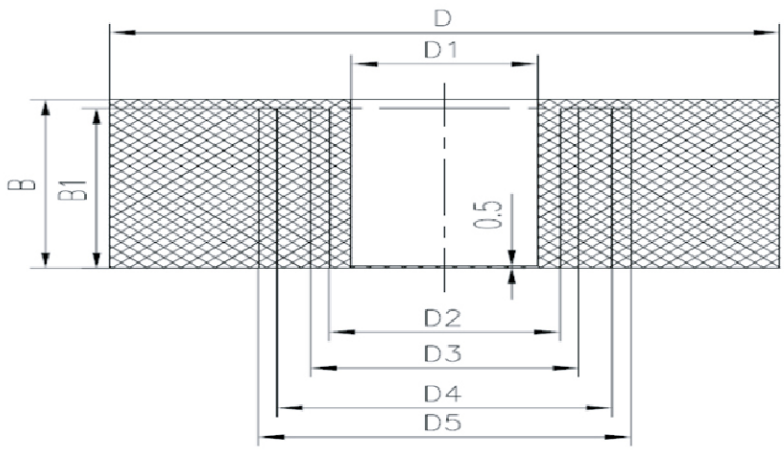
机座号	极数	D	E	F	G	M	N	S	T	P	AD	HD	L(B5)	L1(V1)
80	2-8	19	40	6	15.5	165	130	12	3.5	200	178	225	340	440
90S	2-8	24	50	8	20	165	130	12	3.5	200	178	240	390	490
90L	2-8	24	50	8	20	165	130	12	3.5	200	178	240	420	520
100L	2-8	28	60	8	24	215	180	15	4	250	178	260	470	570
112M	2-8	28	60	8	24	215	180	15	4	250	193	278	520	620
132S	2-8	38	80	10	33	265	230	15	4	300	193	308	530	630
132M	2-8	38	80	10	33	265	230	15	4	300	193	308	570	670
160M	2-8	42	110	12	37	300	250	19	5	350	210	350	700	800
160L	2-8	42	110	12	37	300	250	19	5	350	210	350	730	830
180M	2-8	48	110	14	42.5	300	250	19	5	350	210	370	790	890
180L	2-8	48	110	14	42.5	300	250	19	5	350	210	370	810	910
200L	2-8	55	110	16	49	350	300	19	5	400	240	400	850	950
225S	4、8	60	140	18	53	400	350	19	5	450	240	415	900	1000
225M	2	55	110	16	49	400	350	19	5	450	240	415	900	1000
225M	4-8	60	140	18	53	400	350	19	5	450	240	415	930	1030
250M	2	60	140	18	53	500	450	19	5	550	279	470	990	1090
250M	4-8	65	140	18	58	500	450	19	5	550	279	470	990	1090
280S	2	65	140	18	58	500	450	19	5	550	279	500	1020	1120
280S	4-8	75	140	20	67.5	500	450	19	5	550	279	500	1030	1130
280M	2	65	140	18	58	500	450	19	5	550	279	500	1070	1170
280M	4-8	75	140	20	67.5	500	450	19	5	550	279	500	1080	1180
315S	2	65	140	18	58	600	550	24	6	660	330	665	-	1310
315S	4-10	80	170	22	71	600	550	24	6	660	330	665	-	1390
315M	2	65	140	18	58	600	550	24	6	660	330	665	-	1430
315M	4-10	80	170	22	71	600	550	24	6	660	330	665	-	1510
315L	2	65	140	18	58	600	550	24	6	660	330	665	-	1430
315L	4-10	80	170	22	71	600	550	24	6	660	330	665	-	1510
355S	2	75	140	20	67.5	740	680	24	6	800	330	765	-	1590
355S	4-10	95	170	25	86	740	680	24	6	800	330	765	-	1620
355M	2	75	140	20	67.5	740	680	24	6	800	330	765	-	1670
355M	4-10	95	170	25	86	740	680	24	6	800	330	765	-	1700
355L	2	75	140	20	67.5	740	680	24	6	800	330	765	-	1780
355L	4-10	95	170	25	86	740	680	24	6	800	330	765	-	1810

(此外形图用于 YB3 防爆等级为 Exd Ⅰ Mb、Exd Ⅱ BT4Gb,YBX3 防爆等级为 Exd Ⅱ BT4Gb,YBK3 防爆等级为 Exd Ⅰ Mb)

钢管布线的尺寸 （适用于隔爆型电动机 YB3、YBX3、YBBP）

机座号	钢管布线尺寸
80-132	M30X2
160-180	M36X2
200-225	M48X2
250-280	M64X2
315-355	2XM64X2

密封圈尺寸 （适用于隔爆型电动机 YB3、YBX3、YBBP、YBK3）

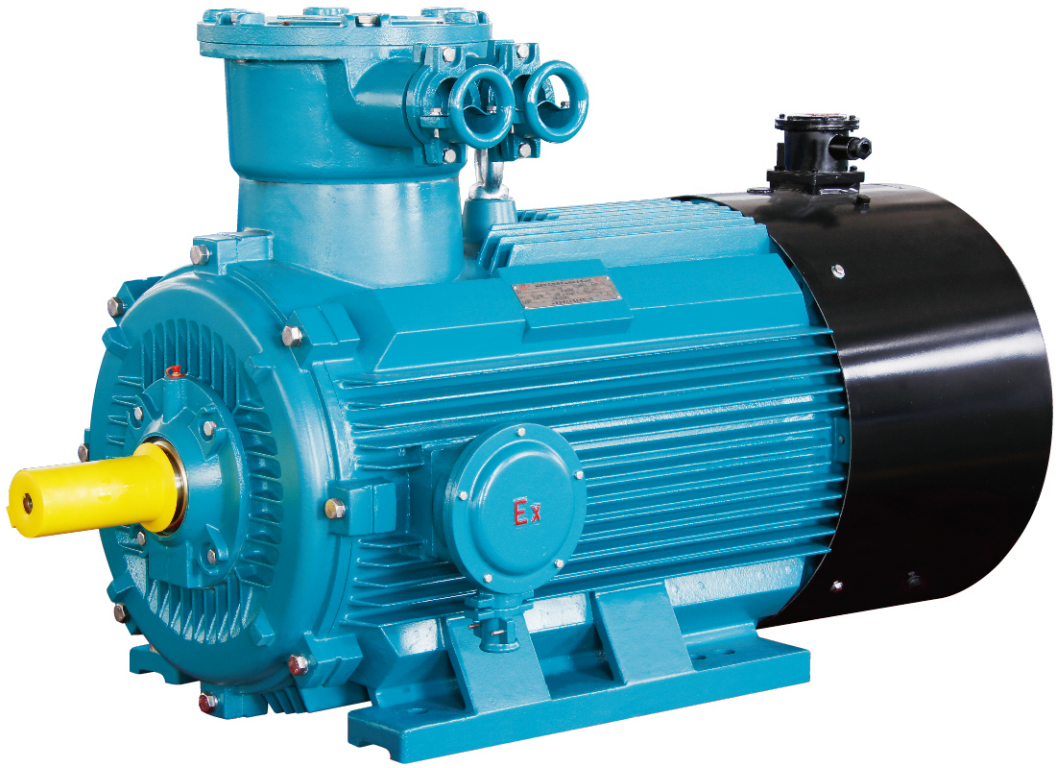


机座号	尺寸							
	D1	D2	D3	D4	D5	D	B1	B
80-132	φ14	φ20	φ25			φ42	24	26
160-180	φ14	φ20	φ26	φ31	φ35	φ58	24	26
200-225	φ20	φ26	φ32	φ38	φ42	φ72	30	32
250-355	φ25	φ31	φ36	φ45	φ50	φ90	36	38

说明：机座号为 315、355 电机有两个出线口

轴承型号 Bearing Type

机座号	极 数	轴伸端	非轴伸端
80	全 部	6204-2Z	6204-2Z
90	全 部	6205-2Z	6205-2Z
100	全 部	6206-2Z	6206-2Z
112	全 部	6206-2Z	6206-2Z
132	全 部	6208-2Z	6208-2Z
160	2P	6209-2Z	6209-2Z
160	4 ~ 8P	6309-2Z	6209-2Z
180	2P	6211	6211
180	4 ~ 8P	6311	6211
200	2P	6212	6212
200	4 ~ 8P	6312	6212
225	2P	6312	6312
225	4 ~ 8P	6313	6312
250	2P	6313	6313
250	4 ~ 8P	6314	6313
280	2P	6314	6314
280	4 ~ 8P	6317	6314
315	2P	6316	6316
315	4 ~ 10P	6319	6319
355	2P	6319	6319
355	4 ~ 10P	6322	6322



产品概述 Product Introduction

YBBP 系列隔爆型变频调速三相异步电动机按照 GB3836.2 的规定制成隔爆型，其防爆标志为 Exd Ⅱ BT4Gb。适用于Ⅱ类 A、B 级 T1 ~ T4 组可燃性气体或蒸汽与空气形成的爆炸性混合物的场所内的设备上，作为一般动力设备使用。与变频器装置组成机电一体化系统，该系统可在较宽范围内恒转矩运行及恒功率运行，是专门用变频器电源供电的交流调速防爆电动机。

执行标准为 JB/T11201.1-2011

YBBP series flameproof frequency control of motor speed three phase asynchronous motor made in accordance with the provisions of GB3836.2 flameproof, the explosion-proof marks for Exd Ⅱ BT4Gb.It is suitable for use as general power equipment on the equipment in the places where the inflammable gas or explosive mixture formed by steam and air in class A and class B group T1 ~ T4.The system can run with constant torque and constant power in a wide range. It is an ac speed-regulating explosion-proof motor powered by inverter.

Executive standard is JB/T11201.1-2011

详细说明 Specification

◆现场条件

YBBP 系列电动机标准工作条件为海拔不超过 1000m，环境温度最低为 -15℃，环境温度最高为 40℃。

◆温升和绝缘

电动机按 F 级绝缘设计（155℃），按 B 级绝缘考核（80K），电动机的使用寿命和可靠性得到保证。

◆冷却和通风

标准冷却方式为 IC416。标准电机装有强制冷却风机。

◆防护等级

电动机的防护等级为 IP55，可用于含尘或潮湿环境。

◆电压、频率

机座号 80-100 电压为 380V

机座号 112-355 电压为 380V、660V、380/660V

◆额定频率为 50HZ

在供电电压偏离额定电压 ±5% 的情况下，仍能良好运行。

◆接线盒位置

接线盒在机座上方可以四个方向进线，进线分为橡套电缆和钢管布线两种。

◆质量保证

从产品设计到产品出厂，遵循 ISO9001 质量认证体系，严格遵守质量程序。

◆ site conditions

The standard working conditions of YBBP series motors are as follows : The altitude is not more than 1000 meters, the lowest ambient temperature is -15 ℃ , and the highest ambient temperature is 40℃ .

◆ temperature rise and insulation

F class (155 ℃) insulation system and temperature rise class B (80K) are adopted to the motor.The service life and reliability of the motor are guaranteed

◆ cooling and ventilation

Standard cooling mode is IC416 standard motor equipped with forced cooling fan

◆ protection class

The standard protection class of motor is IP55,can be used in dusty or humid environment.

◆ voltage、frequency

Frame size80-100, the voltage is 380V

Frame size112-355, the voltage is 380V 660V 380/660v

◆ rated frequency

Under the condition that the supply voltage deviates from the rated voltage by 5%, it can still run well.

◆ terminal box position

Terminal box in the upper part of the frame can be four directions into the line, the line is divided into rubber cable and steel pipe wiring two kinds

◆ quality guarantee

From the product design to the delivery of products, follow the ISO9001 quality certification system, strict compliance with quality procedures

技术数据 Technical Data

2极 – 同步转速 3000r/min 50HZ，变频范围 5–50HZ
2pole–3000rpm synchronous speed 50HZ

型号 motor type	额定功率 rated output KW	额定转速 rated speed rpm	额定电流 IFL 380V A	效率 EFF %	功率因数 power factor cosφ	额定转矩 rated torque N.m	堵转转矩 / 额定转矩 TST/TFL	最大转矩 / 额定转矩 TM/TFL	堵转电流 / 额定电流 IST/IFL	重量 net weight kg
YBBP-80M1-2	0.75	2855	1.8	77.4%	0.82	2.5	2.3	2.3	6.8	33
YBBP-80M2-2	1.1	2855	2.5	79.6%	0.83	3.7	2.3	2.3	7.1	34
YBBP-90S-2	1.5	2875	3.3	81.3%	0.84	5.0	2.3	2.3	7.3	35
YBBP-90L-2	2.2	2875	4.7	83.2%	0.85	7.3	2.3	2.3	7.6	44
YBBP-100L-2	3	2880	6.2	84.6%	0.87	9.9	2.2	2.3	7.8	55
YBBP-112M-2	4	2900	8.0	85.8%	0.88	13.2	2.2	2.3	8.1	64
YBBP-132S1-2	5.5	2900	10.9	87.0%	0.88	18.1	2.2	2.3	8.2	95
YBBP-132S2-2	7.5	2900	14.5	88.1%	0.89	24.7	2.2	2.3	7.8	101
YBBP-160M1-2	11	2940	21.0	89.4%	0.89	35.7	2.2	2.3	7.9	157
YBBP-160M2-2	15	2940	28.4	90.3%	0.89	48.7	2.2	2.3	7.9	165
YBBP-160L-2	18.5	2940	34.7	90.9%	0.89	60.1	2.2	2.3	8.0	176
YBBP-180M-2	22	2955	41.1	91.3%	0.89	71.1	2.2	2.3	8.1	220
YBBP-200L1-2	30	2965	55.7	92.0%	0.89	96.6	2	2.3	7.5	280
YBBP-200L2-2	37	2965	68.3	92.5%	0.89	119.2	2	2.3	7.5	313
YBBP-225M-2	45	2970	82.7	92.9%	0.89	144.7	2.2	2.3	7.5	360
YBBP-250M-2	55	2975	100.7	93.2%	0.89	176.6	2.2	2.3	7.6	523
YBBP-280S-2	75	2975	136.5	93.8%	0.89	240.8	1.8	2.3	6.9	660
YBBP-280M-2	90	2975	163.3	94.1%	0.89	288.9	1.8	2.3	6.9	715
YBBP-315S-2	110	2980	196.9	94.3%	0.9	352.5	1.8	2.2	7.0	1000
YBBP-315M-2	132	2980	235.6	94.6%	0.9	423.0	1.8	2.2	7.0	1142
YBBP-315L1-2	160	2980	281.8	94.8%	0.91	512.8	1.8	2.2	7.1	1274
YBBP-315L2-2	200	2980	351.5	95.0%	0.91	640.9	1.8	2.2	7.1	1366
YBBP-355M1-2	220	2980	386.7	95.0%	0.91	705.0	1.6	2.2	7.1	1640
YBBP-355M2-2	250	2980	439.4	95.0%	0.91	801.2	1.6	2.2	7.1	1800
YBBP-355L1-2	280	2980	492.1	95.0%	0.91	897.3	1.6	2.2	7.2	1900
YBBP-355L2-2	315	2980	553.6	95.0%	0.91	1009.5	1.6	2.2	7.2	1960

技术数据 Technical Data

4 极 – 同步转速 1500r/min 50HZ，变频范围 5–100HZ
4pole–1500rpm synchronous speed 50HZ

型号 motor type	额定功率 rated output KW	额定转速 rated speed rpm	额定电流 IFL 380V A	效率 EFF %	功率因数 power factor cosφ	额定转矩 rated torque N.m	堵转转矩 / 额定转矩 TST/TFL	最大转矩 / 额定转矩 TM/TFL	堵转电流 / 额定电流 IST/IFL	重量 net weight kg
YBBP-80M2-4	0.75	1400	1.9	79.6%	0.76	5.1	2.3	2.3	6.4	35
YBBP-90S-4	1.1	1425	2.7	81.4%	0.77	7.4	2.3	2.3	6.6	42
YBBP-90L-4	1.5	1425	3.5	82.8%	0.78	10.1	2.3	2.3	6.7	41
YBBP-100L1-4	2.2	1440	5.0	84.3%	0.8	14.6	2.3	2.3	7.3	54
YBBP-100L2-4	3	1440	6.6	85.5%	0.81	19.9	2.3	2.3	7.5	57
YBBP-112M-4	4	1450	8.7	86.6%	0.81	26.3	2.3	2.3	7.5	76
YBBP-132S-4	5.5	1455	11.6	87.7%	0.82	36.1	2	2.3	7.5	100
YBBP-132M-4	7.5	1455	15.5	88.7%	0.83	49.2	2	2.3	7.3	108
YBBP-160M-4	11	1465	22.4	89.8%	0.83	71.7	2	2.3	7.4	160
YBBP-160L-4	15	1465	29.9	90.6%	0.84	97.8	2	2.3	7.5	181
YBBP-180M-4	18.5	1470	36.3	91.2%	0.85	120.2	2	2.3	7.6	219
YBBP-180L-4	22	1475	42.9	91.6%	0.85	142.4	2.1	2.3	7.7	257
YBBP-200L-4	30	1475	58.1	92.3%	0.85	194.2	2.1	2.3	7.1	307
YBBP-225S-4	37	1480	70.5	92.7%	0.86	238.8	2.1	2.3	7.3	388
YBBP-225M-4	45	1480	85.4	93.1%	0.86	290.4	2.2	2.3	7.3	400
YBBP-250M-4	55	1480	103.9	93.5%	0.86	354.9	2.2	2.3	7.3	520
YBBP-280S-4	75	1485	139.3	94.0%	0.87	482.3	2.2	2.3	6.8	677
YBBP-280M-4	90	1485	165.0	94.2%	0.88	578.8	2.2	2.3	6.9	722
YBBP-315S-4	110	1485	198.7	94.5%	0.89	707.4	2.1	2.2	6.9	960
YBBP-315M-4	132	1485	238.0	94.7%	0.89	848.9	2.1	2.2	6.9	1090
YBBP-315L1-4	160	1485	284.6	94.9%	0.9	1029.0	2.1	2.2	6.9	1170
YBBP-315L2-4	200	1485	355.0	95.1%	0.9	1286.2	2.1	2.2	6.9	1414
YBBP-355M1-4	220	1490	390.5	95.1%	0.9	1410.1	2.0	2.2	6.9	1664
YBBP-355M2-4	250	1490	443.8	95.1%	0.9	1602.3	2.0	2.2	6.9	1780
YBBP-355L1-4	280	1490	497.1	95.1%	0.9	1794.6	2.0	2.2	6.9	1940
YBBP-355L2-4	315	1490	559.2	95.1%	0.9	2019.0	2.0	2.2	6.9	2040

技术数据 Technical Data

6极－同步转速1000r/min 50HZ, 变频范围5-100HZ
6pole-1000rpm synchronous speed 50HZ

型号 motor type	额定功率 rated output KW	额定转速 rated speed rpm	额定电流 IFL 380V A	效率 EFF %	功率因数 power factor cosφ	额定转矩 rated torque N.m	堵转转矩 / 额定转矩 TST/TFL	最大转矩 / 额定转矩 TM/TFL	堵转电流 / 额定电流 IST/IFL	重量 net weight kg
YBBP-90S-6	0.75	935	2.1	75.9%	0.71	7.7	2.0	2.1	5.8	39
YBBP-90L-6	1.1	940	3.0	78.1%	0.72	11.2	2.0	2.1	5.9	47
YBBP-100L-6	1.5	945	4.0	79.8%	0.72	15.2	2.0	2.1	5.9	52
YBBP-112M-6	2.2	950	5.7	81.8%	0.72	22.1	2.0	2.1	6.2	70
YBBP-132S-6	3	960	7.6	83.3%	0.72	29.8	2.0	2.1	6.4	91
YBBP-132M1-6	4	960	9.7	84.6%	0.74	39.8	2.0	2.1	6.6	101
YBBP-132M2-6	5.5	960	13.0	86.0%	0.75	54.7	2.0	2.1	6.8	113
YBBP-160M-6	7.5	970	16.8	87.2%	0.78	73.8	2.0	2.1	6.8	161
YBBP-160L-6	11	970	23.9	88.7%	0.79	108.3	2.0	2.1	6.9	183
YBBP-180L-6	15	975	31.0	89.7%	0.82	146.9	2.0	2.1	7.3	220
YBBP-200L1-6	18.5	975	38.9	90.4%	0.8	181.2	2.0	2.1	7.2	272
YBBP-200L2-6	22	975	45.4	90.9%	0.81	215.5	2.0	2.1	7.3	298
YBBP-225M-6	30	985	60.6	91.7%	0.82	290.9	2.0	2.1	6.8	380
YBBP-250M-6	37	985	73.5	92.2%	0.83	358.7	2.0	2.1	7	475
YBBP-280S-6	45	985	86.8	92.7%	0.85	436.3	2.0	2.0	7.2	650
YBBP-280M-6	55	985	104.4	93.1%	0.86	533.2	2.0	2.0	7.2	680
YBBP-315S-6	75	990	144.8	93.7%	0.84	723.5	2.0	2.0	6.5	954
YBBP-315M-6	90	990	171.1	94.0%	0.85	868.2	2.0	2.0	6.6	1134
YBBP-315L1-6	110	990	208.5	94.3%	0.85	1061.1	2.0	2.0	6.6	1194
YBBP-315L2-6	132	990	246.5	94.6%	0.86	1273.3	2.0	2.0	6.6	1294
YBBP-355S-6	160	990	298.2	94.8%	0.86	1543.4	2.0	2.2	6.7	1680
YBBP-355M1-6	185	990	344.8	94.8%	0.86	1784.6	2.0	2.2	6.8	1765
YBBP-355M2-6	200	990	371.9	95.0%	0.86	1929.3	2.0	2.2	6.8	1860
YBBP-355L1-6	220	990	409.1	95.0%	0.86	2122.2	2.0	2.2	6.8	1989
YBBP-355L2-6	250	990	464.9	95.0%	0.86	2411.6	2.0	2.2	6.8	2053

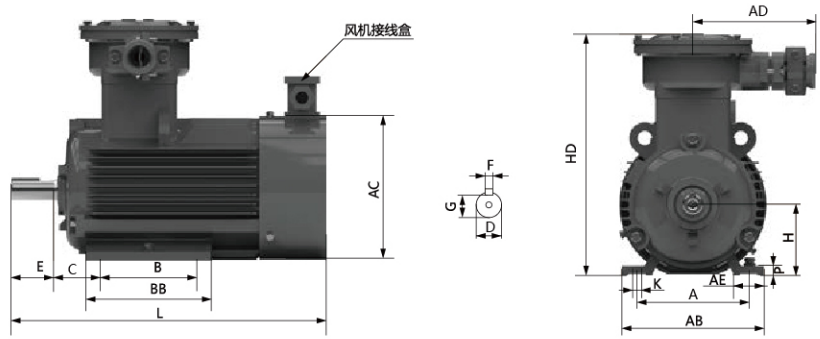
技术数据 Technical Data

8极 – 同步转速 750r/min 50HZ，变频范围 5–100HZ
8pole–750rpm synchronous speed 50HZ

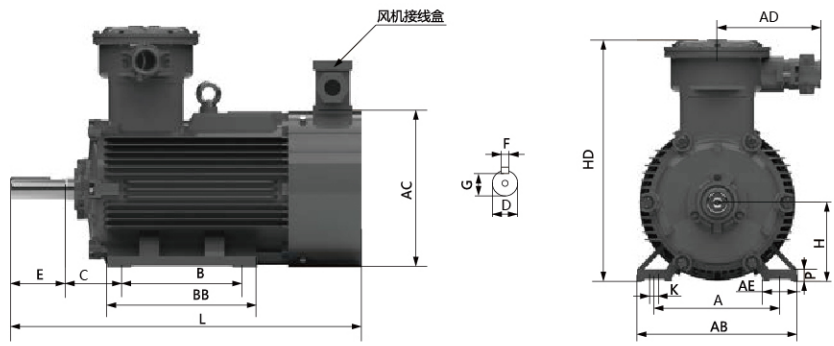
型号 motor type	额定功率 rated output KW	额定转速 rated speed rpm	额定电流 IFL 380V A	效率 EFF %	功率因数 power factor cosφ	额定转矩 rated torque N.m	堵转转矩 / 额定转矩 TST/TFL	最大转矩 / 额定转矩 TM/TFL	堵转电流 / 额定电流 IST/IFL	重量 net weight kg
YBBP-100L1-8	0.75	690	2.6	66.2%	0.67	10.4	2	2.2	3.5	58
YBBP-100L2-8	1.1	690	3.4	70.8%	0.69	15.2	2.2	2.4	3.6	63
YBBP-112M-8	1.5	690	4.4	74.1%	0.70	20.8	2.4	2.6	3.9	75
YBBP-132S-8	2.2	710	6.1	77.6%	0.71	29.6	2.3	2.5	4.3	95
YBBP-132M-8	3	710	7.8	80.0%	0.73	40.4	2.2	2.4	4.4	102
YBBP-160M1-8	4	720	10.2	81.9%	0.73	53.1	2.2	2.5	4.4	146
YBBP-160M2-8	5.5	720	13.5	83.8%	0.74	73.0	2.2	2.4	5.0	156
YBBP-160L-8	7.5	720	17.8	85.3%	0.75	99.5	2.1	2.3	5.7	182
YBBP-180L-8	11	730	25.6	86.9%	0.75	143.9	2.3	2.5	5.6	240
YBBP-200L-8	15	730	34.1	88.0%	0.76	196.2	2.1	2.4	5.5	302
YBBP-225S-8	18.5	730	41.7	88.6%	0.76	242.0	2.2	2.6	5.6	342
YBBP-225M-8	22	740	48.1	89.1%	0.78	283.9	2.1	2.4	5.4	362
YBBP-250M-8	30	740	64.3	89.8%	0.79	387.2	2.2	2.5	5.3	502
YBBP-280S-8	37	740	78.8	90.3%	0.79	477.5	2.3	2.7	5.6	614
YBBP-280M-8	45	740	95.4	90.7%	0.79	580.7	2.1	2.8	5.2	640
YBBP-315S-8	55	740	113.4	91.0%	0.81	709.8	1.9	2.5	5.7	1004
YBBP-315M-8	75	740	153.6	91.6%	0.81	967.9	2.1	2.8	5.9	1169
YBBP-315L1-8	90	740	181.5	91.9%	0.82	1161.5	2.3	2.9	6.2	1354
YBBP-315L2-8	110	740	220.8	92.3%	0.82	1419.6	2.2	2.8	6.0	1394
YBBP-355S-8	132	740	264.1	92.6%	0.82	1704	1.6	2.0	5.2	1680
YBBP-355M-8	160	740	318.8	93.0%	0.82	2066	1.6	2.0	5.2	1860
YBBP-355L1-8	185	740	366.6	93.5%	0.82	2388	1.6	2.0	5.2	1970
YBBP-355L2-8	200	740	396.4	93.5%	0.82	2582	1.6	2.0	5.2	2060

B3外形及安装尺寸 Dimensions Foot Mount B3

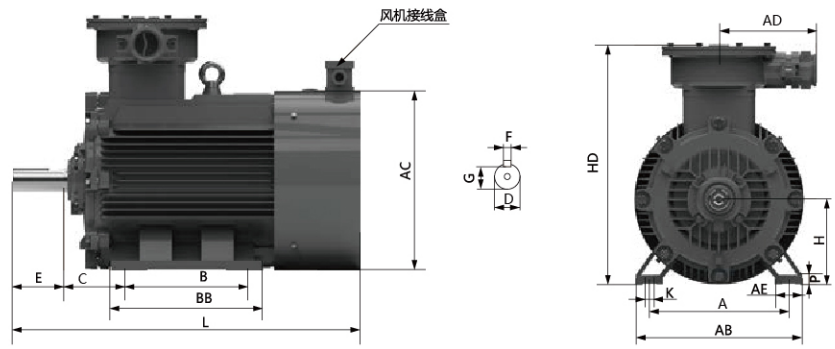
YBBP-80~132



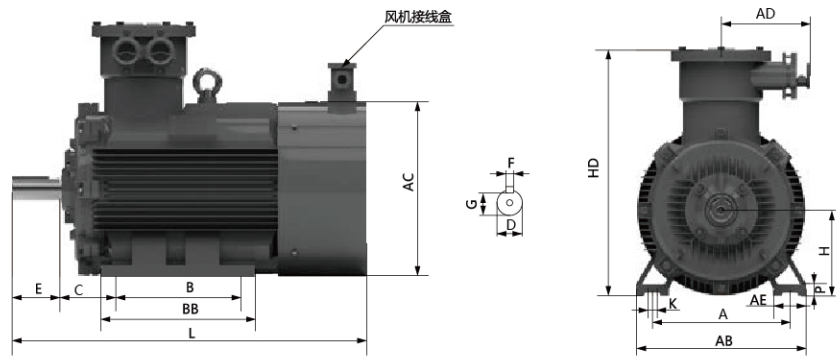
YBBP-160~200



YBBP-225~280



YBBP-315~355



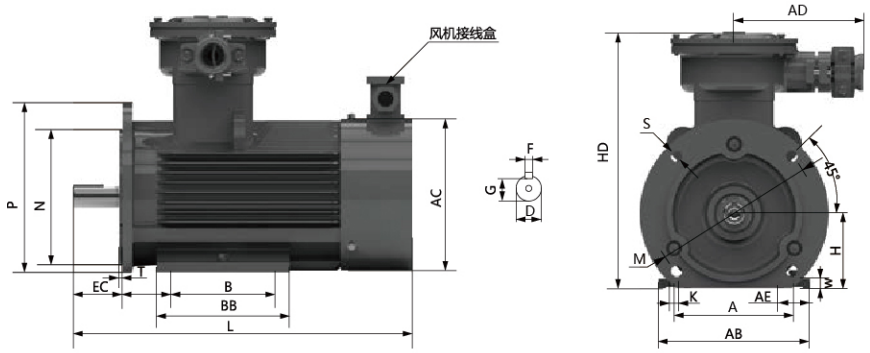
B3外形及安装尺寸 Dimensions Foot Mount B3

机座号	极数	A	B	C	D	E	F	G	H	K	P	AB	BB	AC	AD	AE	HD	L
80	2-8	125	100	50	19	40	6	15.5	80	10	10	160	130	167	178	34	305	520
90S	2-8	140	100	56	24	50	8	20	90	10	14	176	130	184	178	36	330	552
90L	2-8	140	125	56	24	50	8	20	90	10	14	176	155	184	178	36	330	577
100L	2-8	160	140	63	28	60	8	24	100	12	14	200	176	207	178	43	360	643
112M	2-8	190	140	70	28	60	8	24	112	12	16	240	180	221	193	50	390	675
132S	2-8	216	140	89	38	80	10	33	132	12	18	276	190	260	193	60	440	660
132M	2-8	216	178	89	38	80	10	33	132	12	18	276	230	260	193	60	440	700
160M	2-8	254	210	108	42	110	12	37	160	14.5	25	324	258	315	210	70	510	810
160L	2-8	254	254	108	42	110	12	37	160	14.5	25	324	302	315	210	70	510	840
180M	2-8	279	241	121	48	110	14	42.5	180	15	22	349	311	356	210	70	550	950
180L	2-8	279	279	121	48	110	14	42.5	180	15	22	349	349	356	210	70	550	970
200L	2-8	318	305	133	55	110	16	49	200	19	25	388	366	398	240	70	600	1010
225S	4、8	356	286	149	60	140	18	53	225	18.5	28	431	355	446	240	75	640	1060
225M	2	356	311	149	55	110	16	49	225	18.5	28	431	380	446	240	75	640	1060
225M	4-8	356	311	149	60	140	18	53	225	18.5	28	431	380	446	240	75	640	1090
250M	2	406	349	168	60	140	18	53	250	24	30	486	420	495	279	80	720	1150
250M	4-8	406	349	168	65	140	18	58	250	24	30	486	420	495	279	80	720	1150
280S	2	457	368	190	65	140	18	58	280	24	35	542	438	547	279	85	780	1290
280S	4-8	457	368	190	75	140	20	67.5	280	24	35	542	438	547	279	85	780	1290
280M	2	457	419	190	65	140	18	58	280	24	35	542	489	547	279	85	780	1350
280M	4-8	457	419	190	75	140	20	67.5	280	24	35	542	489	547	279	85	780	1350
315S	2	508	406	216	65	140	18	58	315	28	45	628	550	620	330	120	930	1410
315S	4-10	508	406	216	80	170	22	71	315	28	45	628	550	620	330	120	930	1440
315M	2	508	457	216	65	140	18	58	315	28	45	628	680	620	330	120	930	1530
315M	4-10	508	457	216	80	170	22	71	315	28	45	628	680	620	330	120	930	1560
315L	2	508	508	216	65	140	18	58	315	28	45	628	680	620	330	120	930	1530
315L	4-10	508	508	216	80	170	22	71	315	28	45	628	680	620	330	120	930	1560
355S	2	610	500	254	75	140	20	67.5	355	28	52	726	636	700	330	116	1070	1700
355S	4-10	610	500	254	95	170	25	86	355	28	52	726	636	700	330	116	1070	1730
355M	2	610	560	254	75	140	20	67.5	355	28	52	726	696	700	330	116	1070	1780
355M	4-10	610	560	254	95	170	25	86	355	28	52	726	696	700	330	116	1070	1810
355L	2	610	630	254	75	140	20	67.5	355	28	52	726	766	700	330	116	1070	1890
355L	4-10	610	630	254	95	170	25	86	355	28	52	726	766	700	330	116	1070	1920

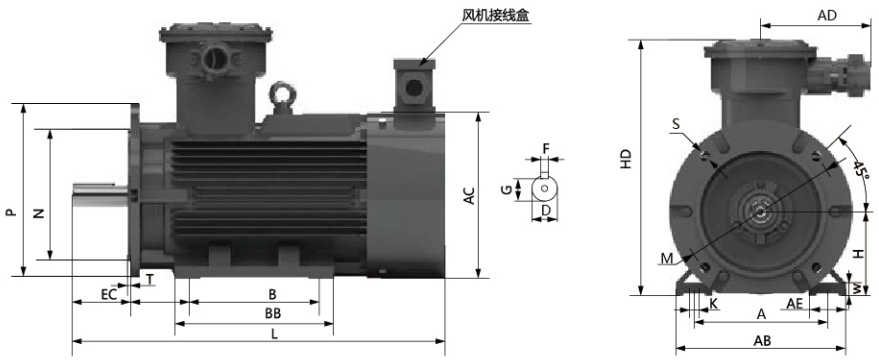
(此外形图用于 YBBP 防爆等级为 Exd II BT4Gb)

B35外形及安装尺寸 Dimensions Foot-Flange Mount B35

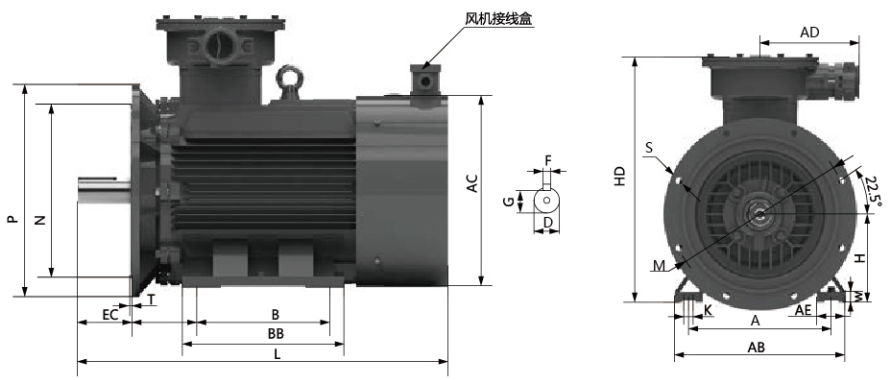
YBBP-80~132



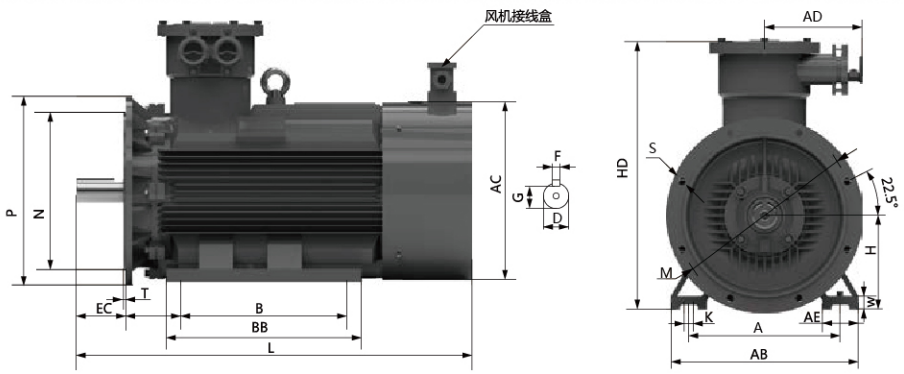
YBBP-160~200



YBBP-225~280



YBBP-315~355



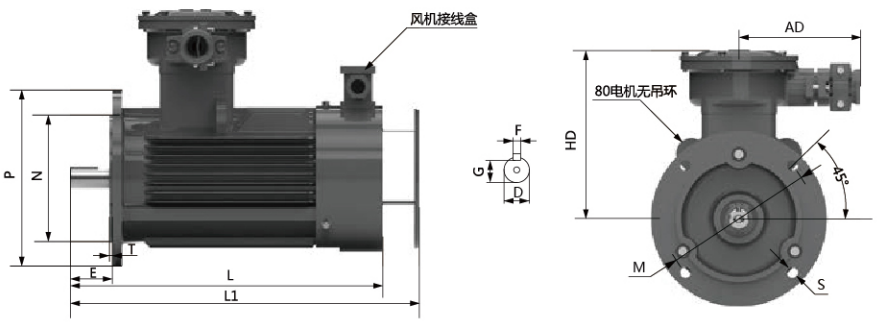
B35外形及安装尺寸 Dimensions Foot-Flange Mount B35

机座号	极数	A	B	C	D	E	F	G	H	K	M	N	S	T	P	W	AB	BB	AC	AD	AE	HD	L
80	2-8	125	100	50	19	40	6	15.5	80	10	165	130	12	3.5	200	10	160	130	167	178	34	305	520
90S	2-8	140	100	56	24	50	8	20	90	10	165	130	12	3.5	200	14	176	130	184	178	36	330	552
90L	2-8	140	125	56	24	50	8	20	90	10	165	130	12	3.5	200	14	176	155	184	178	36	330	577
100L	2-8	160	140	63	28	60	8	24	100	12	215	180	15	4	250	14	200	176	207	178	43	360	643
112M	2-8	190	140	70	28	60	8	24	112	12	215	180	15	4	250	16	240	180	221	193	50	390	675
132S	2-8	216	140	89	38	80	10	33	132	12	265	230	15	4	300	18	276	190	260	193	60	440	660
132M	2-8	216	178	89	38	80	10	33	132	12	265	230	15	4	300	18	276	230	260	193	60	440	700
160M	2-8	254	210	108	42	110	12	37	160	14.5	300	250	19	5	350	25	324	258	315	210	70	510	810
160L	2-8	254	254	108	42	110	12	37	160	14.5	300	250	19	5	350	25	324	302	315	210	70	510	840
180M	2-8	279	241	121	48	110	14	42.5	180	15	300	250	19	5	350	22	349	311	356	210	70	550	950
180L	2-8	279	279	121	48	110	14	42.5	180	15	300	250	19	5	350	22	349	349	356	210	70	550	970
200L	2-8	318	305	133	55	110	16	49	200	19	350	300	19	5	400	25	388	366	398	240	70	600	1010
225S	4、8	356	286	149	60	140	18	53	225	18.5	400	350	19	5	450	28	431	355	446	240	75	640	1060
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	19	5	450	28	431	380	446	240	75	640	1060
225M	4-8	356	311	149	60	140	18	53	225	18.5	400	350	19	5	450	28	431	380	446	240	75	640	1090
250M	2	406	349	168	60	140	18	53	250	24	500	450	19	5	550	30	486	420	495	279	80	720	1150
250M	4-8	406	349	168	65	140	18	58	250	24	500	450	19	5	550	30	486	420	495	279	80	720	1150
280S	2	457	368	190	65	140	18	58	280	24	500	450	19	5	550	35	542	438	547	279	85	780	1290
280S	4-8	457	368	190	75	140	20	67.5	280	24	500	450	19	5	550	35	542	438	547	279	85	780	1290
280M	2	457	419	190	65	140	18	58	280	24	500	450	19	5	550	35	542	489	547	279	85	780	1350
280M	4-8	457	419	190	75	140	20	67.5	280	24	500	450	19	5	550	35	542	489	547	279	85	780	1350
315S	2	508	406	216	65	140	18	58	315	28	600	550	24	6	660	45	628	550	620	330	120	930	1410
315S	4-10	508	406	216	80	170	22	71	315	28	600	550	24	6	660	45	628	550	620	330	120	930	1440
315M	2	508	457	216	65	140	18	58	315	28	600	550	24	6	660	45	628	680	620	330	120	930	1530
315M	4-10	508	457	216	80	170	22	71	315	28	600	550	24	6	660	45	628	680	620	330	120	930	1560
315L	2	508	508	216	65	140	18	58	315	28	600	550	24	6	660	45	628	680	620	330	120	930	1530
315L	4-10	508	508	216	80	170	22	71	315	28	600	550	24	6	660	45	628	680	620	330	120	930	1560
355S	2	610	500	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	636	700	330	116	1070	1700
355S	4-10	610	500	254	95	170	25	86	355	28	740	680	24	6	800	52	726	636	700	330	116	1070	1730
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	696	700	330	116	1070	1780
355M	4-10	610	560	254	95	170	25	86	355	28	740	680	24	6	800	52	726	696	700	330	116	1070	1810
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	24	6	800	52	726	766	700	330	116	1070	1890
355L	4-10	610	630	254	95	170	25	86	355	28	740	680	24	6	800	52	726	766	700	330	116	1070	1920

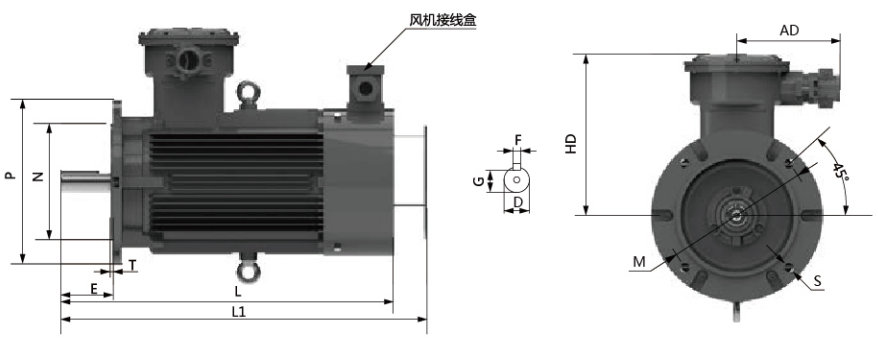
(此外形图用于 YBBP 防爆等级为 Exd II BT4Gb)

B5&V1外形及安装尺寸 Dimensions Flange Mount B5&V1

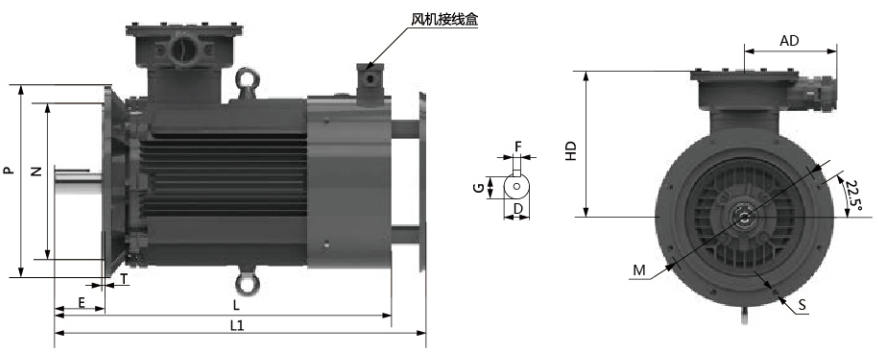
YBBP-80~132



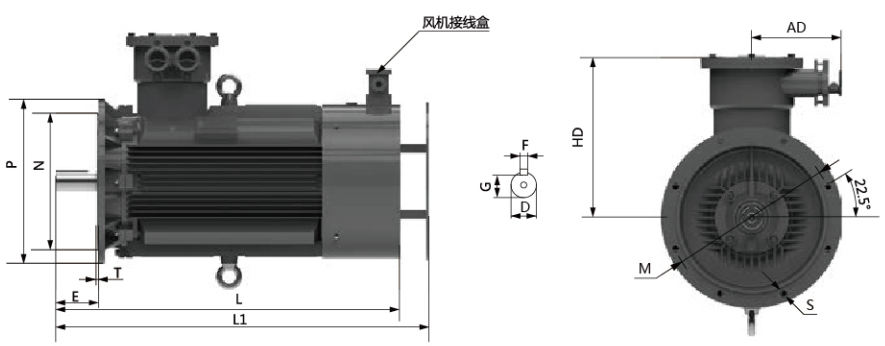
YBBP-160~200



YBBP-225~280



YBBP-315~355



B5&V1外形及安装尺寸 Dimensions Flange Mount B5&V1

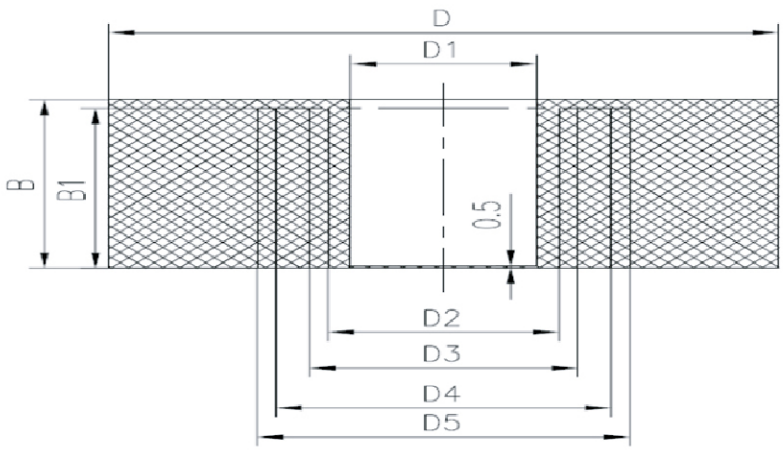
机座号	极数	D	E	F	G	M	N	S	T	P	AD	HD	L(B5)	L1(V1)
80	2-8	19	40	6	15.5	165	130	12	3.5	200	178	225	520	620
90S	2-8	24	50	8	20	165	130	12	3.5	200	178	240	552	652
90L	2-8	24	50	8	20	165	130	12	3.5	200	178	240	577	677
100L	2-8	28	60	8	24	215	180	15	4	250	178	260	643	743
112M	2-8	28	60	8	24	215	180	15	4	250	193	278	675	775
132S	2-8	38	80	10	33	265	230	15	4	300	193	308	660	760
132M	2-8	38	80	10	33	265	230	15	4	300	193	308	700	800
160M	2-8	42	110	12	37	300	250	19	5	350	210	350	810	910
160L	2-8	42	110	12	37	300	250	19	5	350	210	350	840	940
180M	2-8	48	110	14	42.5	300	250	19	5	350	210	370	950	1050
180L	2-8	48	110	14	42.5	300	250	19	5	350	210	370	970	1070
200L	2-8	55	110	16	49	350	300	19	5	400	240	400	1010	1110
225S	4、8	60	140	18	53	400	350	19	5	450	240	415	1060	1160
225M	2	55	110	16	49	400	350	19	5	450	240	415	1060	1160
225M	4-8	60	140	18	53	400	350	19	5	450	240	415	1090	1190
250M	2	60	140	18	53	500	450	19	5	550	279	470	1150	1250
250M	4-8	65	140	18	58	500	450	19	5	550	279	470	1150	1250
280S	2	65	140	18	58	500	450	19	5	550	279	500	1290	1390
280S	4-8	75	140	20	67.5	500	450	19	5	550	279	500	1290	1390
280M	2	65	140	18	58	500	450	19	5	550	279	500	1350	1450
280M	4-8	75	140	20	67.5	500	450	19	5	550	279	500	1350	1450
315S	2	65	140	18	58	600	550	24	6	660	330	615	-	1510
315S	4-10	80	170	22	71	600	550	24	6	660	330	615	-	1540
315M	2	65	140	18	58	600	550	24	6	660	330	615	-	1630
315M	4-10	80	170	22	71	600	550	24	6	660	330	615	-	1660
315L	2	65	140	18	58	600	550	24	6	660	330	615	-	1630
315L	4-10	80	170	22	71	600	550	24	6	660	330	615	-	1660
355S	2	75	140	20	67.5	740	680	24	6	800	330	715	-	1800
355S	4-10	95	170	25	86	740	680	24	6	800	330	715	-	1830
355M	2	75	140	20	67.5	740	680	24	6	800	330	715	-	1880
355M	4-10	95	170	25	86	740	680	24	6	800	330	715	-	1910
355L	2	75	140	20	67.5	740	680	24	6	800	330	715	-	1990
355L	4-10	95	170	25	86	740	680	24	6	800	330	715	-	2020

(此外形图用于 YBBP 防爆等级为 Exd II BT4Gb)

钢管布线的尺寸 （适用于隔爆型电动机 YB3、YBX3、YBBP）

机座号	钢管布线尺寸
80-132	M30X2
160-180	M36X2
200-225	M48X2
250-280	M64X2
315-355	2XM64X2

密封圈尺寸 （适用于隔爆型电动机 YB3、YBX3、YBBP、YBK3）



机座号	尺寸							
	D1	D2	D3	D4	D5	D	B1	B
80-132	φ14	φ20	φ25			φ42	24	26
160-180	φ14	φ20	φ26	φ31	φ35	φ58	24	26
200-225	φ20	φ26	φ32	φ38	φ42	φ72	30	32
250-355	φ25	φ31	φ36	φ45	φ50	φ90	36	38

说明：机座号为 315、355 电机有两个出线口

轴承型号 Bearing Type

机座号	极 数	轴伸端	非轴伸端
80	全 部	6204-2Z	6204-2Z
90	全 部	6205-2Z	6205-2Z
100	全 部	6206-2Z	6206-2Z
112	全 部	6206-2Z	6206-2Z
132	全 部	6208-2Z	6208-2Z
160	2P	6209-2Z	6209-2Z
160	4 ~ 8P	6309-2Z	6209-2Z
180	2P	6211	6211
180	4 ~ 8P	6311	6211
200	2P	6212	6212
200	4 ~ 8P	6312	6212
225	2P	6312	6312
225	4 ~ 8P	6313	6312
250	2P	6313	6313
250	4 ~ 8P	6314	6313
280	2P	6314	6314
280	4 ~ 8P	6317	6314
315	2P	6316	6316
315	4 ~ 10P	6319	6319
355	2P	6319	6319
355	4 ~ 10P	6322	6322

订货须知 Ordering Information

本样品仅供用户参考。具体数据如有变动，恕不另行通知
订货时，请提供所需产品的型号、功率、电压、转速、绝缘等级、防护等级、安装形式等额定数据。

可根据用户要求设计，制造如下电机：
1. 不同电压、频率、功率的电机；
2. 不同绝缘等级、防护等级的电机；
3. 左出线、双伸轴、特殊轴电机；
4. 耐高温，耐低温电机；
5. 高原用、户外电机；
6. 各种增容电机、不同服务系数的电机；
7. 装有加热器、轴承测温、绕组测温、热敏保护开关的电机；
8. 装有光电编码器，绝缘轴承或绝缘轴承结构的电机；
9. 其他各种 特殊要求的电机。

This catalogue is only a reference for users . Please forgive that is any change of products will not make additional specify in advance
Please note the rated data when ordering, such as the motor type, power, voltage, speed, insulation class, protection class, mounting Type and so on.

We can design and produce special motor as followed according to the requirement of customer：
1. Special voltage, frequency and power ;
2. Special insulation class and protecition class;
3. With terminal box on the left side, double shaft ends and special shaft;
4. High temperature motor or low temperature motor;
5. Need on plateau or outdoor;
6. Higher power or special service factor;
7. With heater, pt 100 for bearings or winding, ptc and so on;
8. With encoder, insulated bearings, or insulated bearing structure;
9. Other kinds of special motors as required.