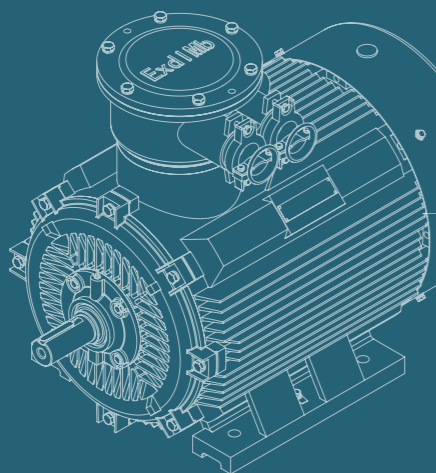
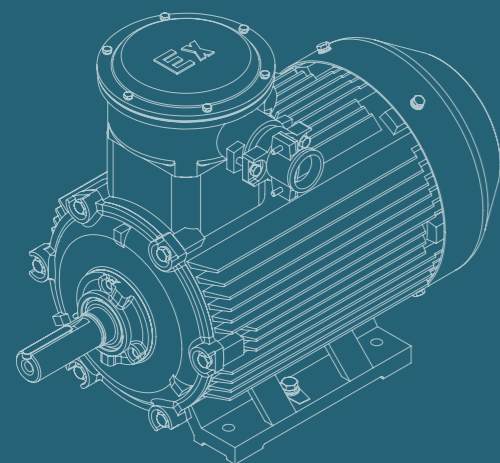


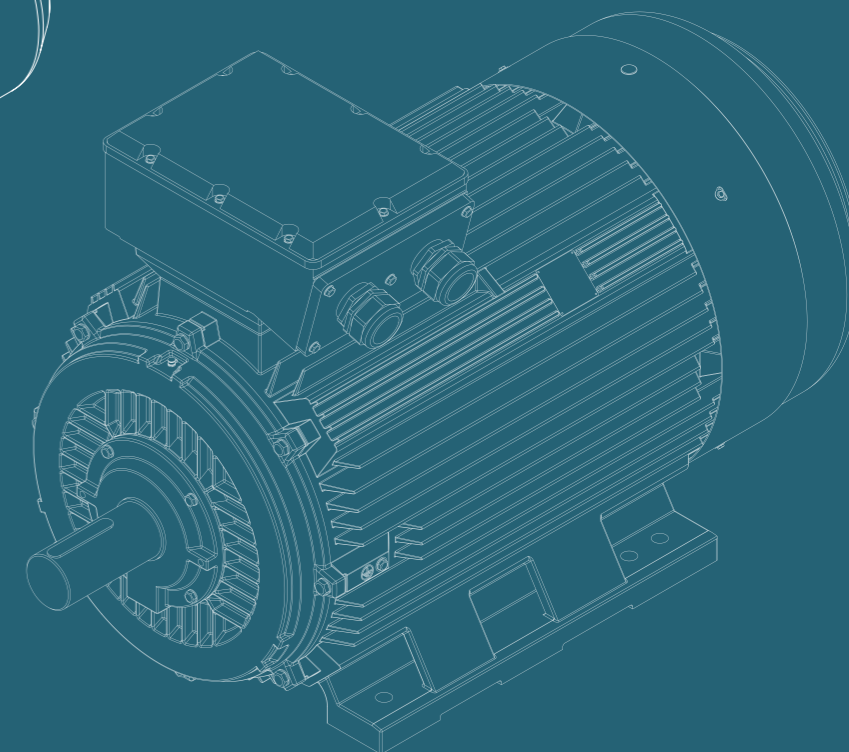
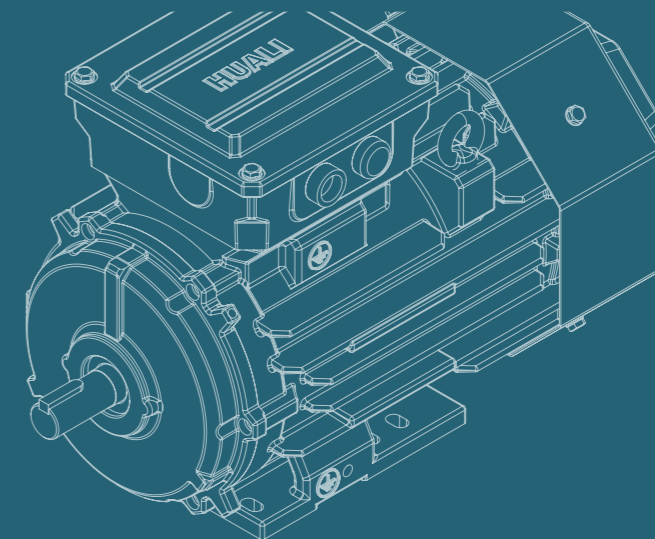
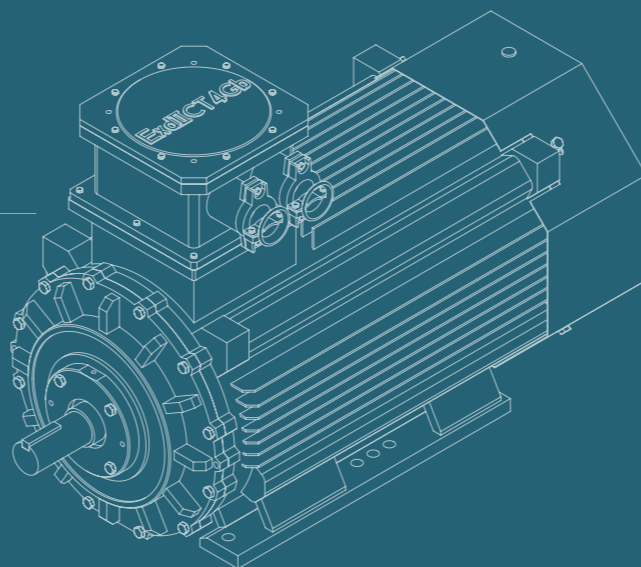
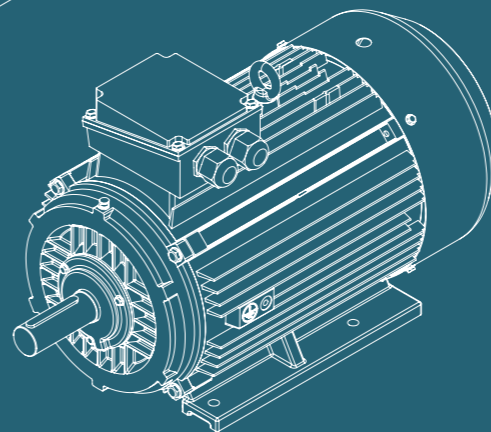
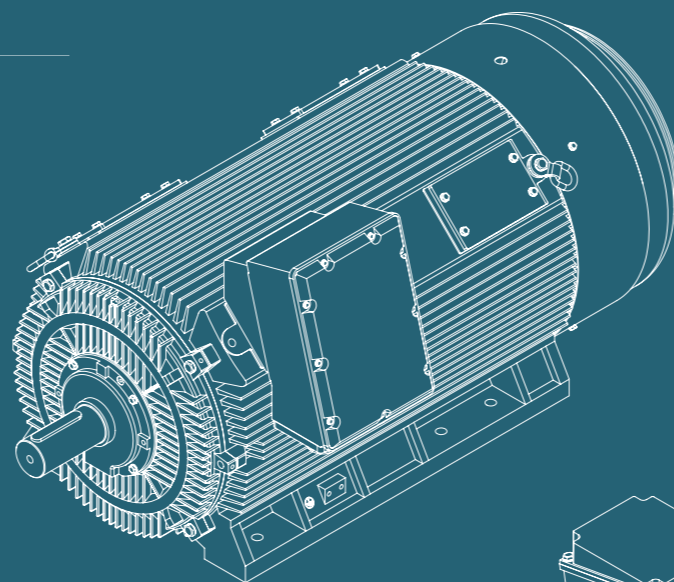
山东华力电机集团股份有限公司
Shan Dong HuaLi Electric Motor Group CO.,LTD.
地址：山东省荣成市荣昌路9号
Add:No.9 Rongchang Road,Rongcheng,Shandong
邮编(P.C.):264300
办公室(Office):0631-7551153
经营计划部(Tel): 0631-7551307
Sales Dept(Tel): 0631-7551307
传真(Fax): 0631-7553744
产品开发部（总部）：0631-7587026 7587027
Department of Technology: 0631-7587026 7587027
售后服务部：0631-7555999
Technical Service(Tel):0631-7555999
Http://www.hualimotor.com.cn
E-mail:info@hualimotor.com.cn



山东华力电机集团荣成工业新区
HuaLi Group Rongcheng New Industry District
地址：山东省荣成市富源南路89号
Add:No.89 Fu Yuan South Road,Rongcheng,Shandong
邮编(P.C.):264300
进出口部(Tel): 0631-7551302
传真(Fax): 0631-7581937
Import & Export Dept (Tel): 0631-7551302
产品开发部（园区）：0631-7527221
Department of Technology: 0631-7527221



山东华力电机集团苏州制造有限公司
Shan Dong HuaLi Electric Motor Suzhou Manufacture CO.,LTD.
地址：江苏省苏州市新区泰山路188号
Add:No.188, Taishan Road, Suzhou City, Jiangsu
邮编(P.C.):215011
办公室(Office): 0512-88186811
传真(Fax): 0512-88186810
经营计划部：0512-88186833
Sales Dept(Tel): 0512-88186833
传真(Fax): 0512-88186832
开发部(Tel): 0512-88186834
Department of Technology:0512-88186834



YFB4系列粉尘防爆型三相异步电动机

YFB4 SERIES DUST EXPLOSION-PROOF THREE-PHASE ASYNCHRONOUS MOTOR

订货须知 Ordering instruction:

本样本仅供用户参考，具体数据内容可能会有变动，订货请惠于联系。

This catalogue is only a reference for users. The date may be changed, please contact us before ordering.

订货时请详细说明产品型号，额定功率，同步转速，电压及频率，绝缘等级，安装结构型式等。

Please type rated output, synchronous speed, voltage and frequency, insulation class, mounting type etc, when ordering.

如有特殊要求，经双方协议后，还可供应其它特殊规格电机。

For special requirement, please contact us, we may supply special type of motor.

2023年9月



山东华力电机集团股份有限公司
SHANDONG HUALI ELECTRIC MOTOR GROUP CO.,LTD.

山东·荣成

企业简介 Introduction

山东华力电机集团股份有限公司创立于1970年，经过持续稳步发展，已成为集科研、生产、营销、服务于一体的现代化企业集团。公司下辖荣成崂山工业区、荣成工业新区及苏州工业新区三处制造企业，年生产能力120万台、2000万KW，是全球电机行业具有规模和实力的制造企业之一。

华力集团技术力量雄厚，建有山东省企业技术中心、山东省稀土永磁电机工程技术研究中心，构建起以低压电机为支撑，高压、低压大功率、特种电机为发展方向的产品格局。产品涵盖了YE5系列、YE4系列、YE3系列、HM4系列、HM3系列、YBX5系列、YBX4系列、YBX3系列、YFB5系列、YFB4系列、YFB3系列、YBK3系列、YBBP系列、YB3系列、YVF3系列、YVF2系列、YVF系列、YKK系列、YKS系列等(通用、防爆、船用、起重、冶金、变频、高压、风力发电、轨道交通等)50多个系列20000多个规格，是全球品种、规格齐全的电机制造厂家之一。公司拥有先进的生产检测设备，建立起完善的质量、环境管理体系，通过了ISO9001、ISO14001、CCC、CQC、CE、UL等多项认证认可。

公司坚持“占科技高点、拓全球市场”的发展战略，构筑起国内国际两大市场板块。在全国50多个大中城市建立起仓储式销售分公司，形成了快捷、高效的市场营销和服务网络，产品同时销往欧洲、亚洲、非洲、美洲等40多个国家和地区。企业规模及综合经济效益位居全球电机行业前列。

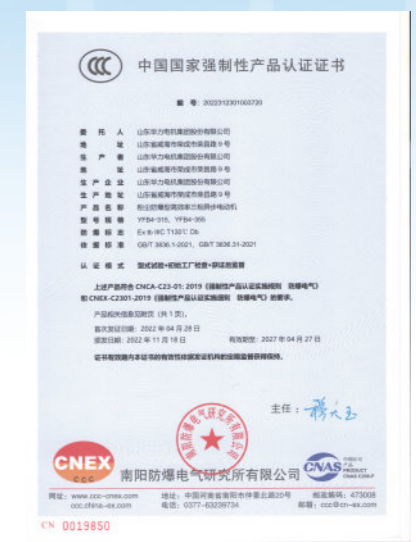
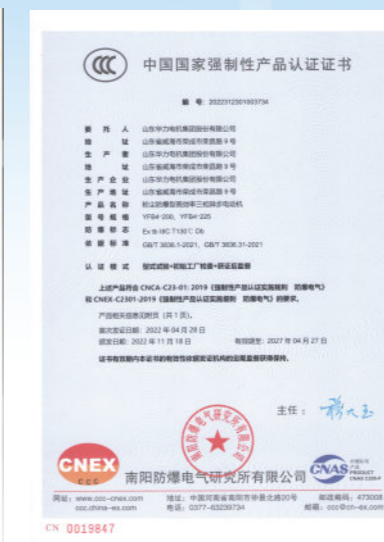
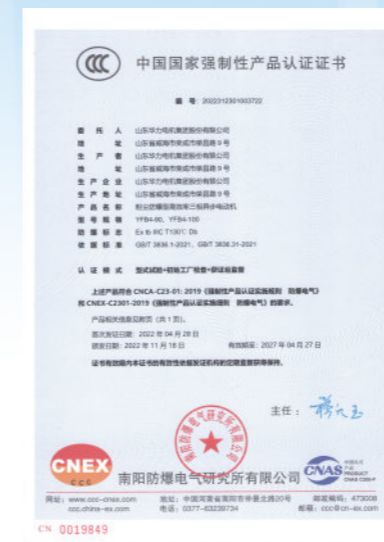
创新的理念，先进的技术，优良的品质，优质的服务和华力人团结奋进的精神，凝聚成企业不断成长和发展的动力。“创百年华力，树世界品牌”的企业目标正在努力实现！

Since its founding in 1970, through sustained and steady development, it is now a modern enterprise with its own production, distribution, R&D and customer service teams. Huali has built three manufacturing enterprises: Rongcheng Laoshan Industrial Area, Rongcheng Industrial New Area and Suzhou Industrial Area. The annual production capacity is 1.2 million motors(20 million KW), Huali is one of the manufacturing enterprises of global motor industry with scale and strength.

Huali group has strong technical force, established Shandong enterprise technology center and Shandong province rare earth permanent magnet motor engineering technology research center, Build a product pattern with low-voltage motor as support, high-voltage, low-voltage high-power and special motor as development direction. Our products includes about 20000 varieties types in more than 50 major series. such as, YE5、YE4、YE3、HM4、HM3、YBX5、YBX4、YBX3、YFB5、YFB4、YFB3、YBK3、YBBP、YB3、YVF3、YVF2、YVF、YKK、YKS(General, Explosion Proof, Marine, Lifting, Metallurgy, Frequency, Conversion High Voltage, Wind power generation ,Rail Transit etc).It is one of the motor manufacturers of the global varieties and complete specifications. Our company has advanced production testing equipment, Establish a sound quality and environmental management system. We have passed a number of accreditation such as:ISO9001、ISO14001、CCC、CQC、CE、UL etc.

The company insists on the development strategy of "Occupying the high point of science and technology, Expand-ing the global market", and constructs two major market plates of domestic and international. Store sales branches have been established in more than 50 large and medium-sized cities throughout the country, which created a highly efficient sale and service network. The products are also sold to more than 40 countries and regions such as Europe, Asia, Africa and America. The scale and comprehensive economic benefits of the enterprises rank in the forefront of the global motor industry.

Innovative ideas, advanced technology, excellent quality, high quality service and the spirit of unite and endeavour of Huali people, condensed into a continuous growth and development of the enterprise power. With such power, Huali and tis people will make the dream that "Creating a centennial Huali, Establishing a global brand" are being come true!



YFB4 系列高效三相异步电动机 SERIES HIGH EFFICIENCY THREE-PHASE ASYNCHRONOUS MOTOR



产品概述 Product Introduction

YFB4系列三相异步电动机符合GB 18613-2020《电动机能效限定值及能效等级》中规定的二级效率标准。同时，符合IEC 60034-30-1:2014标准的IE4能效等级。

其提高效率设计，符合国家对生产制造行业提出节能降耗的要求。

YFB4系列电机的安装尺寸符合IEC 60034标准。具有结构合理，外形美观，效率高，噪音低，防护等级、绝缘等级高、使用寿命长、可靠性高等优点，可广泛应用粮食仓库和粮食加工及纺织、化工等可燃或爆炸性粉尘环境。

YFB4 series three-phase asynchronous motor is in line with the second efficiency standard in the provisions of GB18613-2020 " Minimum allowable values of energy efficiency and values of efficiency grades for motors". Meanwhile, IE4 efficiency standard is also be satisfied in the provisions of IEC 60034-30-1:2014.

Improvement on design of efficiency is in line with the state's requirements on the energy saving and consumption reducing of the manufacturing sector.

YFB4 series motors with the mounting dimension in accordance with standard IEC 60034, it has good features like, optimum structure, attractive appearance, low noise, high efficiency, high protection class as well as high insulation class, long service life, reliability. YFB4 series motors can be widely used in food processing, textile mill, chemical plant and other applications where hazardous fumes or dust may be present.

详细说明 Specification

◆现场条件

YFB4系列电动机标准工作条件为海拔不超过1000米，环境温度为-15°C 到+40°C。

◆温升和绝缘

电动机按F级绝缘设计（155°C），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。标准电机装有轴流式塑料风扇。符合 IEC 60034-6中IC411的规定。

◆防护等级

电动机的防护等级为 IP65，可用于具有爆炸性粉尘混合物的场所。

◆电机保护

可根据要求安装PTC、PT100等绕组和轴承测温及保护装置。

◆电压、频率

标准电机为380V/50HZ 可设计200-660V范围内任意电压的50Hz 的电动机。在供电电压偏离额定电压±5%的情况下，仍能良好运行。

◆振动

YFB4系列电动机在空载时振动速度等级符合A级。特殊要求时，可提供B级电动机。

◆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 YFB4 series motor is no more than 1000m above sea level, the lowest ambient temperature is -15°C, and the highest ambient temperature is 40°C.

Temperature and insulation

F class (155°C) insulation system and temperature rise class B (80K) are adopted to the motor, which increase the motor useful life and reliability.

Cooling and ventilation

The standard cooling method is totally Enclosed Fan Cooled (TEFC) in accordance with IC411 of IEC 60034-6. Standard motors are equipped with centrifuge plastic fans.

Protection class

The standard protection degree of motor is IP65, can be used in places with explosive dust mixture.

The protection and measurement equipment to Winding and bearing such as PTC, PT100 are available on request.

Motor protection

The protection and measurement equipment to Winding and bearing such as PTC, PT100 are available on request.

Voltage and frequency

Standard voltage and frequency is 380V/ 50HZ, special value on voltage and frequency is available on request. The motors will operate satisfactorily with variations of ±5% from the rated voltage.

Vibration

Standard vibration class is A during no-load condition; higher vibration class B is available on request.

Quality assurance

Stringent quality procedures are observed from first design to finished products in accordance with ISO9001 documented quality systems.

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 400V A	额定 电流 IFL 415V A	额定 电流 IFL 525V A	效率 EFF %	功率 因数 power factor cosφ	额定 转矩 rated torque N.m	堵转 转矩 TST/TFL	最大 转矩 TM/TFL	堵转 电流 IST/IFL	转动 惯量 M of I kgm ²	噪音 noise level LW dB(A)	重量 net weight kg
YFB4-80M1-2	0.75	2880	1.6	1.6	1.5	1.2	83.5%	0.83	2.5	2.3	2.3	7	0.001	62	19
YFB4-80M2-2	1.1	2885	2.4	2.2	2.2	1.7	85.2%	0.83	3.6	2.2	2.3	7.3	0.002	62	20
YFB4-90S-2	1.5	2900	3.1	2.9	2.8	2.2	86.5%	0.85	4.9	2.2	2.3	7.6	0.002	67	23
YFB4-90L-2	2.2	2900	4.4	4.2	4.0	3.2	88.0%	0.86	7.2	2.2	2.3	7.6	0.003	67	32
YFB4-100L-2	3	2900	5.9	5.6	5.4	4.3	89.1%	0.87	9.9	2.2	2.3	7.8	0.006	74	45
YFB4-112M-2	4	2905	7.7	7.3	7.0	5.6	90.0%	0.88	13.1	2.2	2.3	8.3	0.009	77	50
YFB4-132S1-2	5.5	2940	10.4	9.9	9.6	7.6	90.9%	0.88	17.9	2	2.3	8.3	0.024	79	85
YFB4-132S2-2	7.5	2940	14.0	13.3	12.8	10.1	91.7%	0.89	24.4	2	2.3	7.9	0.029	79	91
YFB4-160M1-2	11	2955	20.3	19.3	18.6	14.7	92.6%	0.89	35.5	2	2.3	8.1	0.067	81	134
YFB4-160M2-2	15	2955	27.4	26.1	25.1	19.9	93.3%	0.89	48.5	2	2.3	8.1	0.080	81	150
YFB4-160L-2	18.5	2960	33.7	32.0	30.9	24.4	93.7%	0.89	59.7	2	2.3	8.2	0.097	81	170
YFB4-180M-2	22	2965	40.0	38.0	36.6	28.9	94.0%	0.89	70.9	2	2.3	8.2	0.137	83	244
YFB4-200L1-2	30	2970	54.2	51.5	49.6	39.2	94.5%	0.89	96.5	2	2.3	7.6	0.227	84	329
YFB4-200L2-2	37	2970	66.6	63.3	61.0	48.2	94.8%	0.89	119.0	2	2.3	7.6	0.269	84	345
YFB4-225M-2	45	2975	80.9	76.8	74.0	58.5	95.0%	0.89	144.5	2	2.3	7.7	0.360	86	436
YFB4-250M-2	55	2980	98.5	93.6	90.2	71.3	95.3%	0.89	176.3	2	2.3	7.7	0.791	89	546
YFB4-280S-2	75	2980	133.9	127.2	122.6	96.9	95.6%	0.89	240.4	1.8	2.3	7.1	0.960	91	681
YFB4-280M-2	90	2980	160.4	152.4	146.9	116.1	95.8%	0.89	288.4	1.8	2.3	7.1	1.157	91	731
YFB4-315S-2	110	2980	195.6	185.8	179.1	141.6	96.0%	0.89	352.5	1.8	2.3	7.1	1.662	92	1296
YFB4-315M-2	132	2980	234.2	222.5	214.5	169.6	96.2%	0.89	423.0	1.8	2.3	7.1	1.874	92	1369
YFB4-315L1-2	160	2980	283.6	269.5	259.7	205.3	96.3%	0.89	512.8	1.8	2.3	7.2	2.146	92	1463
YFB4-315L-2	185	2980	328.0	311.6	300.3	237.4	96.3%	0.89	592.9	1.8		7.2	2.481	92	1539
YFB4-315L2-2	200	2980	353.8	336.1	324.0	256.1	96.5%	0.89	640.9	1.8	2.2	7.2	2.448	92	1544
YFB4-355M1-2	220	2980	384.9	365.6	352.4	278.6	96.5%	0.9	705.0	1.6	2.2	8.5	3.8	100	1720
YFB4-355M2-2	250	2980	432.6	410.9	396.1	313.1	96.5%	0.91	801.2	1.6	2.2	8.5	4.4	100	1830
YFB4-355L1-2	280	2980	484.5	460.2	443.6	350.7	96.5%	0.91	897.3	1.6	2.2	8.5	4.8	100	1960
YFB4-355L2-2	315	2980	545.0	517.8	499.1	394.5	96.5%	0.91	1009.5	1.6	2.2	8.5	5.0	100	2160
YFB4-3551-2	355	2980	614.2	583.5	562.4	444.6	96.5%	0.91	1137.6	1.2	1.8	8.5	5.6	104	2280
YFB4-3552-2	400	2980	692.1	657.5	633.7	500.9	96.5%	0.91	1201.7	1.2	1.8	8.5	5.9	104	2360

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 400V A	额定 电流 IFL 415V A	额定 电流 IFL 525V A	效率 EFF %	功率 因数 power factor cosφ	额定 转矩 rated torque N.m	堵转 转矩 TST/TFL	最大 转矩 TM/TFL	堵转 电流 IST/IFL	转动 惯量 M of I kgm ²	噪音 noise level LW dB(A)	重量 net weight kg
YFB4-80M2-4	0.75	1420	1.8	1.7	1.6	1.3	85.7%	0.74	5.1	2.3	2.3	6.6	0.003	56	20
YFB4-90S-4	1.1	1430	2.5	2.4	2.3	1.8	87.2%	0.75	7.4	2.3	2.3	6.8	0.004	59	27
YFB4-90L-4	1.5	1430	3.3	3.2	3.0	2.4	88.2%	0.76	10.1	2.3	2.3	7	0.005	59	30
YFB4-100L1-4	2.2	1450	4.7	4.5	4.3	3.4	89.5%	0.79	14.6	2.3	2.3	7.6	0.012	64	41
YFB4-100L2-4	3	1450	6.3	6.0	5.8	4.6	90.4%	0.8	19.9	2.3	2.3	7.6	0.016	64	46
YFB4-112M-4	4	1460	8.4	7.9	7.7	6.0	91.1%	0.8	26.3	2.2	2.3	7.8	0.022	65	54
YFB4-132S-4	5.5	1475	11.3	10.8	10.4	8.2	91.9%	0.8	36.1	2	2.3	7.9	0.060	71	100
YFB4-132M-4	7.5	1475	15.2	14.4	13.9	11.0	92.6%	0.81	49.2	2	2.3	7.5	0.071	71	112
YFB4-160M-4	11	1475	21.5	20.4	19.7	15.6	93.3%	0.83	71.7	2.2	2.3	7.7	0.137	73	148
YFB4-160L-4	15	1475	28.9	27.4	26.4	20.9	93.9%	0.84	97.8	2.2	2.3	7.8	0.171	73	172
YFB4-180M-4	18.5	1480	35.1	33.3	32.1	25.4	94.2%	0.85	120.2	2	2.3	7.8	0.238	76	241
YFB4-180L-4	22	1480	41.5	39.4	38.0	30.1	94.5%	0.85	142.4	2	2.3	7.8	0.259	76	257
YFB4-200L-4	30	1485	56.4	53.6	51.7	40.9	94.9%	0.85	194.2	2	2.3	7.3	0.459	76	366
YFB4-225S-4	37	1485	68.6	65.2	62.8	49.6	95.2%	0.85	238.8	2	2.3	7.4	0.656	78	407
YFB4-225M-4	45	1485	83.2	79.0	76.1	60.2	95.4%	0.85	290.4	2	2.3	7.4	0.758	78	435
YFB4-250M-4	55	1485	101.4	96.4	92.9	73.4	95.7%	0.86	354.9	2.2	2.3	7.4	1.078	79	553
YFB4-280S-4	75	1485	136.4	129.6	124.9	98.8	96.0%	0.87	482.3	2	2.3	6.9	1.800	80	717
YFB4-280M-4	90	1485	161.5	153.5	147.9	116.9	96.1%	0.88	578.8	2	2.3	6.9	2.130	80	788
YFB4-315S-4	110	1490	194.8	185.1	178.4	141.0	96.3%	0.89	707.4	2	2.2	7	3.415	88	1320
YFB4-315M-4	132	1490	233.5	221.8	213.8	169.0	96.4%	0.89	848.9	2	2.2	7	3.807	88	1387
YFB4-315L1-4	160	1490	279.9	265.9	256.3	202.6	96.6%	0.9	1029.0	2	2.2	7.1	3.423	88	1458
YFB4-315L-4	185	1490	323.6	307.5	296.4	234.3	96.6%	0.9	1189.7	2	2.2	7.1	3.958	88	1540
YFB4-315L2-4	200	1490	349.5	332.0	320.0	253.0	96.7%	0.9	1286.2	2	2.2	7.1	5.262	88	1545
YFB4-355M1-4	220	1490	384.1	364.9	351.7	278.0	96.7%	0.9	1410.1	1.8	2.2	8.5	9.2	92	1750
YFB4-355M2-4	250	1490	436.5	414.6	399.6	315.9	96.7%	0.9	1602.3	1.8	2.2	8.5	9.9	92	1840
YFB4-355L1-4	280	1490	488.8	464.4	447.6	353.8	96.7%	0.9	1794.6	1.8	2.2	8.5	10.2	92	1930
YFB4-355L2-4	315	1490	549.4	521.9	503.0	397.6	96.7%	0.9	2019.0	1.8	2.2	8.5	11.6	92	2280
YFB4-3551-4	355	1490	626.1	594.8	573.3	453.2	96.7%	0.9	2275.3	1.3	1.8	8.5	12.8	92	2396
YFB4-3552-4	400	1490	713.5	677.8	653.3	516.4	96.7%	0.9	2563.8	1.3	1.8	8.5	13.4	92	2480

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 400V A	额定 电流 IFL 415V A	额定 电流 IFL 525V A	效率 EFF %	功率 因数 power factor cosφ	额定 转矩 rated torque N.m	堵转 转矩 TST/TFL	最大 转矩 TM/TFL	堵转 电流 IST/IFL	转动 惯量 M of I kgm ²	噪音 noise level LW dB(A)	重量 net weight kg
YFB4-90S-6	0.75	940	2.0	1.9	1.8	1.4	82.7%	0.70	7.7	2	2.1	6	0.004	57	25
YFB4-90L-6	1.1	940	2.8	2.7	2.6	2.1	84.5%	0.70	11.2	2	2.1	6	0.006	57	30
YFB4-100L-6	1.5	950	3.7	3.5	3.4	2.7	85.9%	0.71	15.2	2	2.1	6.5	0.016	61	40
YFB4-112M-6	2.2	950	5.4	5.1	4.9	3.9	87.4%	0.71	22.1	2	2.1	6.6	0.039	65	46
YFB4-132S-6	3	975	7.2	6.9	6.6	5.2	88.6%	0.71	29.8	2	2.1	6.8	0.035	69	83
YFB4-132M1-6	4	975	9.4	8.9	8.6	6.8	89.5%	0.72	39.8	2	2.1	6.8	0.043	69	95
YFB4-132M2-6	5.5	975	13.0	12.3	11.9	9.4	90.5%	0.72	54.7	2	2.1	7	0.056	69	110
YFB4-160M-6	7.5	980	16.2	15.4	14.8	11.7	91.3%	0.76	73.8	2	2.1	7	0.140	73	146
YFB4-160L-6	11	980	23.1	22.0	21.2	16.7	92.3%	0.77	108.3	2	2.1	7.2	0.192	73	168
YFB4-180L-6	15	985	30.8	29.3	28.2	22.3	92.9%	0.80	146.9	2	2.1	7.3	0.319	73	204
YFB4-200L1-6	18.5	985	37.7	35.9	34.6	27.3	93.4%	0.80	181.2	2	2.1	7.3	0.446	73	308
YFB4-200L2-6	22	985	43.9	41.8	40.2	31.8	93.7%	0.81	215.5	2	2.1	7.4	0.557	73	326
YFB4-225M-6	30	985	58.9	56.0	54.0	42.7	94.2%	0.82	290.9	2	2.1	6.9	0.832	74	397
YFB4-250M-6	37	985	71.6	68.0	65.6	51.8	94.5%	0.83	358.7	2	2.1	7.1	1.447	76	477
YFB4-280S-6	45	990	84.8	80.5	77.6	61.4	94.8%	0.83	436.3	2	2.0	7.3	2.252	78	702
YFB4-280M-6	55	990	102.1	97.0	93.5	73.9	95.1%	0.84	533.2	2	2.0	7.3	2.726	78	763
YFB4-315S-6	75	990	142.2	135.1	130.2	102.9	95.4%	0.84	723.5	2	2.0	6.6	3.984	83	1265
YFB4-315M-6	90	990	168.3	159.9	154.1	121.8	95.6%	0.85	868.2	2	2.0	6.7	4.500	83	1334
YFB4-315L1-6	110	990	205.7	195.4	188.3	148.9	95.8%	0.85	1061.1	2	2.0	6.7	5.607	83	1465
YFB4-315L2-6	132	990	243.4	231.3	222.9	176.2	96.0%	0.86	1273.3	2	2.0	6.8	6.935	83	1525
YFB4-355M1-6	160	990	294.5	279.7	269.6	213.1	96.2%	0.86	1543.4	1.6	2	7.8	11.9	85	1680
YFB4-355M-6	185	990	340.1	323.1	311.4	246.2	96.2%	0.86	1784.6	1.6	2	7.8	12.9	85	1730
YFB4-355M2-6	200	990	367.7	349.3	336.7	266.1	96.3%	0.86	1929.3	1.6	2	7.8	13.4	85	1810
YFB4-355L1-6	220	990	404.5	384.2	370.3	292.7	96.3%	0.86	2122.2	1.6	2	7.8	13.9	85	1960
YFB4-355L2-6	250	990	459.6	436.6	420.8	332.7	96.5%	0.86	2411.6	1.6	2	7.8	14.3	85	2250
YFB4-3551-6	280	990	514.8	489.0	471.3	372.6	96.5%	0.86	2701.0	1.6	2	7.8	14.8	91	2440
YFB4-3552-6	315	990	592.9	563.2	542.9	429.1	96.6%	0.86	3038.6	1.2	1.8	7.8	15.2	91	2490

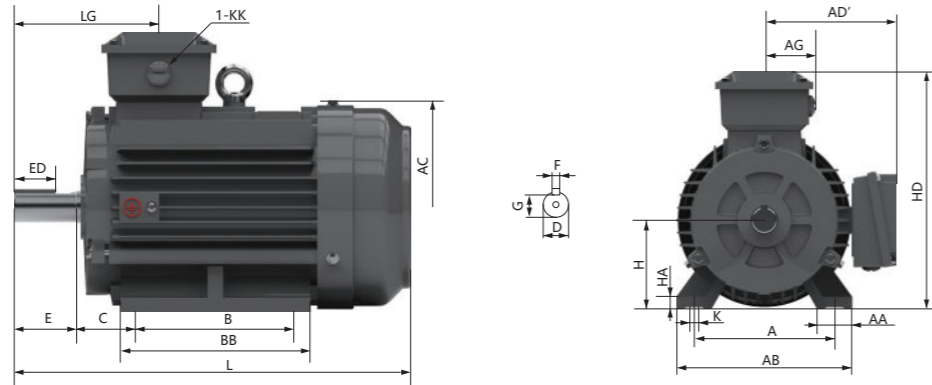
技术数据 Technical Data

8极-同步转速750r/min 50Hz 8pole-750rpm synchronous speed 50Hz

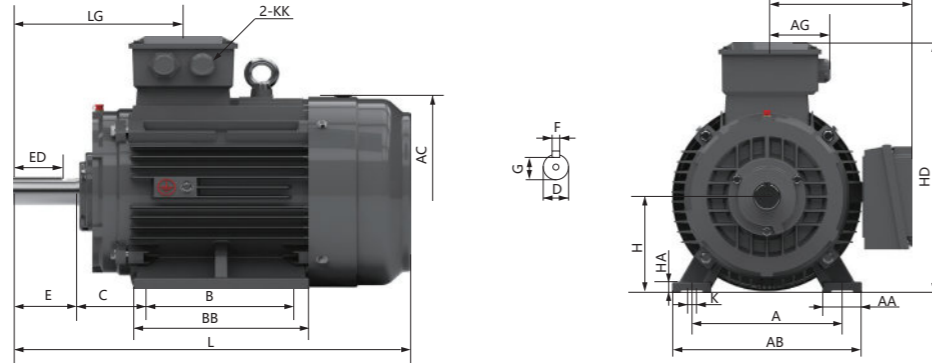
型号 motor type	额定 功率 rated output kW	额定 转速 rated speed rpm	额定 电流 IFL 380V A	额定 电流 IFL 400V A	额定 电流 IFL 415V A	额定 电流 IFL 525V A	效率 EFF %	功率 因数 power factor cosφ	额定 转矩 rated torque N.m	堵转 转矩 TST/TFL	最大 转矩 TM/TFL	堵转 电流 IST/IFL	转动 惯量 M of I kgm ²	噪音 noise level LW dB(A)	重量 net weight kg
YFB4-100L1-8	0.75	695	2.2	2.1	2	1.6	78.40%	0.66	7.7	2	2.1	7	0.008	59	45
YFB4-100L2-8	1.1	695	3.1	2.9	2.8	2.2	80.80%	0.67	11.2	2	2.1	7	0.01	59	47
YFB4-112M-8	1.5	705	4	3.8	3.7	2.9	82.60%	0.69	15.2	2	2.1	7	0.017	61	50
YFB4-132S-8	2.2	715	5.7	5.4	5.2	4.1	84.50%	0.7	22.1	2	2.1	7.5	0.031	64	65
YFB4-132M-8	3	715	7.6	7.2	6.9	5.5	85.90%	0.7	29.8	2	2.1	7.8	0.04	64	75
YFB4-160M1-8	4	720	9.8	9.3	9	7.1	87.10%	0.71	39.8	2	2.1	7.9	0.075	68	105
YFB4-160M2-8	5.5	720	13.1	12.5	12	9.5	88.30%	0.72	54.7	2	2.1	8.1	0.093	68	125
YFB4-160L-8	7.5	720	17.2	16.4	15.8	12.5	89.30%	0.74	73.8	2	2.1	7.8	0.126	68	135
YFB4-180L-8	11	735	25	23.7	22.9	18.1	90.40%	0.74	108.3	2	2.1	7.9	0.203	70	200
YFB4-200L-8	15	740	33.3	31.7	30.5	24.1	91.20%	0.75	146.9	2	2.1	8	0.339	73	240
YFB4-225S-8	18.5	740	40.9	38.8	37.4	29.6	91.70%	0.75	181.2	2	2.1	8.1	0.491	73	280
YFB4-225M-8	22	740	47.8	45.4	43.7	34.6	92.10%	0.76	215.5	2	2.1	8.3	0.547	73	310
YFB4-250M-8	30	745	63.9	60.7	58.5	46.2	92.70%	0.77	290.9	2	2.1	7.9	0.83	75	400
YFB4-280S-8	37	745	77.4	73.5	70.9	56	93.10%	0.78	358.7	2	2.1	7.9	1.4	76	530
YFB4-280M-8	45	745	93.9	89.2	85.9	67.9	93.40%	0.78	436.3	2	2	7.9	1.65	76	590
YFB4-315S-8	55	745	111.5	105.9	102.1	80.7	93.70%	0.8	533.2	2	2	8.2	4.8	82	790
YFB4-315M-8	75	745	151.2	143.7	138.5	109.4	94.20%	0.8	723.5	2	2	7.6	5.6	82	1100
YFB4-315L1-8	90	745	178.8	169.9	163.8	129.4	94.40%	0.81	868.2	2	2	7.7	6.4	82	1160
YFB4-315L2-8	110	745	217.9	207	199.5	157.7	94.70%	0.81	1061.1	2	2	7.7	7.3	82	1260
YFB4-355M1-8	132	750	261.0	247.9	239	188.8	94.9%	0.81	1704	1.6	2.0	5.4	12.5	89	1760
YFB4-355M-8	160	750	315.6	300	289	228.4	95.1%	0.82	2066	1.6	2.0	5.4	12.9	89	1850
YFB4-355L1-8	185	750	363.8	345.6	333	263.3	95.4%	0.82	2388	1.6	2.0	5.4	13.9	89	1990
YFB4-355L2-8	200	750	393.2	373.6	360	284.6	95.4%	0.82	2582	1.6	2.0	5.4	14.2	89	2380
YFB4-3551-8	220	750	432.6	411	396	313	95.4%	0.82	2839	1.6	1.8	5.4	14.9	89	2430
YFB4-3552-8	250	750	491.6	467	450	355.8	95.4%	0.82	3226	1.2	1.8	5.4	15.3	89	2496

YFB4外形及安装尺寸 Dimensions Foot Mount B3

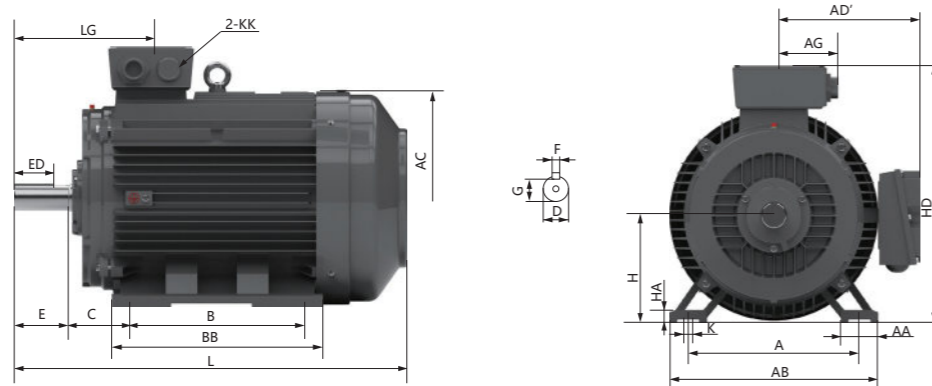
YFB4-80~132



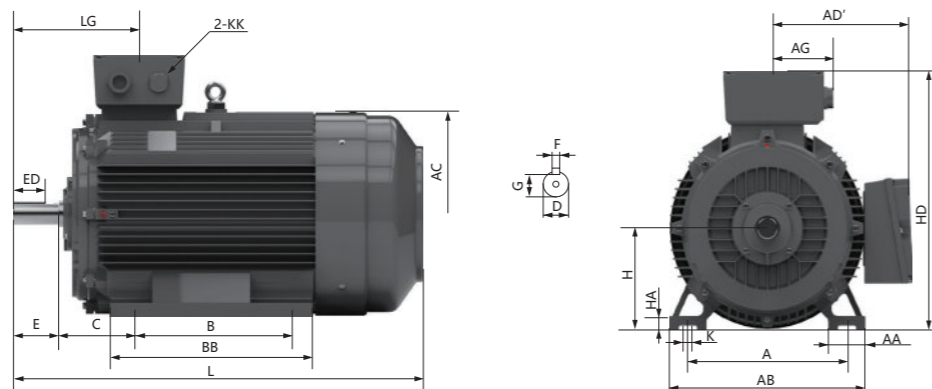
YFB4-160~200



YFB4-225~280



YFB4-315~355



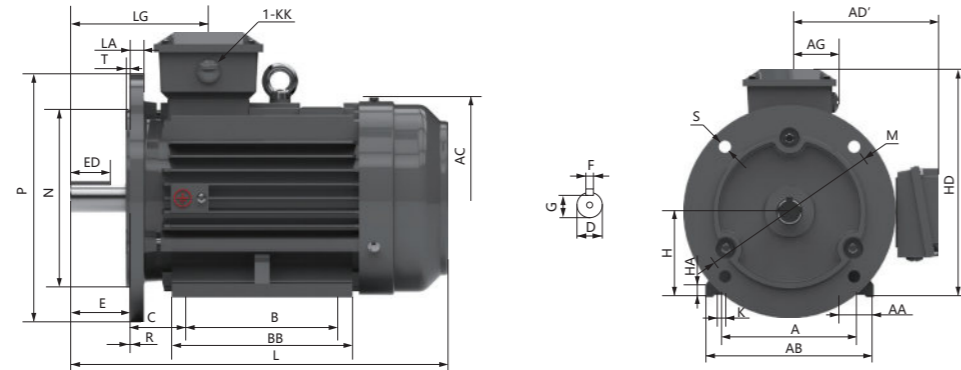
YFB4外形及安装尺寸 Dimensions Foot Mount B3

机座号	极数	A	AA	AB	AC*	AD'	AG	B	BB	C	D	E	ED	F	G	GD	H	HA	HD	K	KK	L*	LG
80M	2-8	125	34	160	175	160	51	100	142	50	19	40	22	6	15.5	6	80	10	240	10	M20X1.5	302	146
90S	2-8	140	36	176	190	180	60	100	180	56	24	50	32	8	20	7	90	12.5	270	10	M20X1.5	360	176
90L	2-8	140	36	176	190	180	60	125	210	56	24	50	32	8	20	7	90	12.5	270	10	M20X1.5	390	191
100L	2-8	160	40	200	215	190	60	140	233	63	28	60	40	8	24	7	100	14	290	12	M20X1.5	435	222
112M	2-8	190	45	226	236	210	60	140	252	70	28	60	40	8	24	7	112	14	322	12	M25X1.5	461	227
132S	2-8	216	52	270	275	215	75	140	204	89	38	80	56	10	33	8	132	16	347	12	M25X1.5	477	250
132M	2-8	216	52	270	275	215	75	178	242	89	38	80	56	10	33	8	132	16	347	12	M25X1.5	515	250
160M	2-8	254	67	320	340	255	95	210	305	108	42	110	80	12	37	8	160	19	430	14.5	M32X1.5	656.5	270
160L	2-8	254	67	320	340	255	95	254	325	108	42	110	80	12	37	8	160	19	430	14.5	M32X1.5	679	270
180M	2-8	279	70	345	385	300	120	241	420	121	48	110	80	14	42.5	9	180	22	480	14.5	M32X1.5	818	288
180L	2-8	279	70	345	385	300	120	279	420	121	48	110	80	14	42.5	9	180	22	480	14.5	M32X1.5	818	288
200L	2-8	318	70	390	440	325	120	305	490	133	55	110	90	16	49	10	200	25	525	18.5	M40X1.5	908.5	298
225S	4-8	356	75	435	490	370	160	286	475	149	60	140	100	18	53	11	225	28	595	18.5	M40X1.5	958	350
225M	2	356	75	435	490	370	160	311	475	149	55	110	80	16	49	10	225	28	595	18.5	M40X1.5	928	320
225M	4-8	356	75	435	490	370	160	311	475	149	60	140	100	18	53	11	225	28	595	18.5	M40X1.5	958	350
250M	2	406	80	485	545	390	160	349	515	168	60	140	100	18	53	11	250	33	645	24	M63x1.5	981	350
250M	4-8	406	80	485	545	390	160	349	515	168	65	140	100	18	58	11	250	33	645	24	M63x1.5	981	350
280S	2	457	85	550	610	415	160	368	554	190	65	140	100	18	58	11	280	35	700	24	M63x1.5	1030	350
280S	4-8	457	85	550	610	415	160	368	554	190	75	140	100	20	67.5	12	280	35	700	24	M63x1.5	1045	350
280M	2	457	85	550	610	415	160	419	554	190	65	140	100	18	58	11	280	35	700	24	M63x1.5	1030	350
280M	4-8	457	85	550	610	415	160	419	554	190	75	140	100	20	67.5	12	280	35	700	24	M63x1.5	1045	350
315S	2	508	120	640	670	510	190	406	860	216	65	140	100	18	58	11	315	35	820	28	M63x1.5	1490	387
315M	2	508	120	640	670	510	190	457	860	216	65	140	100	18	58	11	315	35	820	28	M63x1.5	1490	387
315L	2	508	120	640	670	510	190	508	860	216	65	140	100	18	58	11	315	35	820	28	M63x1.5	1490	387
315S	4-8	508	120	640	670	510	190	406	860	216	80	170	130	22	71	14	315	35	820	28	M63x1.5	1540	417
315M	4-8	508	120	640	670	510	190	457	860	216	80	170	130	22	71	14	315	35	820	28	M63x1.5	1540	417
315L	4-8	508	120	640	670	510	190	508	860	216	80	170	130	22	71	14	315	35	820	28	M63x1.5	1560	417
355M	2	610	125	735	735	640	330	560	775	254	75	140	110	20	67.5	12	355	49	1000	28	M72x2	1490	415
355L	2	610	125	735	735	640	330	630	875	254	75	140	110	20	67.5	12	355	49	1000	28	M72x2	1590	415
355M	4-8	610	125	735	735	640	330	560	775	254	95	170	140	25	86	14	355	49	1000	28	M72x2	1520	445
355L	4-8	610	125	735	735	640	330	630	875	254	95	170	140	25	86	14	355	49	1000	28	M72x2	1620	445
3551, 3552	2	610	140	760	750	640	330	630	1110	254	75	140	110	20	67.5	12	355	49	940	28	M72x2	1825	555
3551, 3552	4-8	610	140	760	750	640	330	630	1110	254	95	170	140	25	86	14	355	49	940	28	M72x2	1855	585

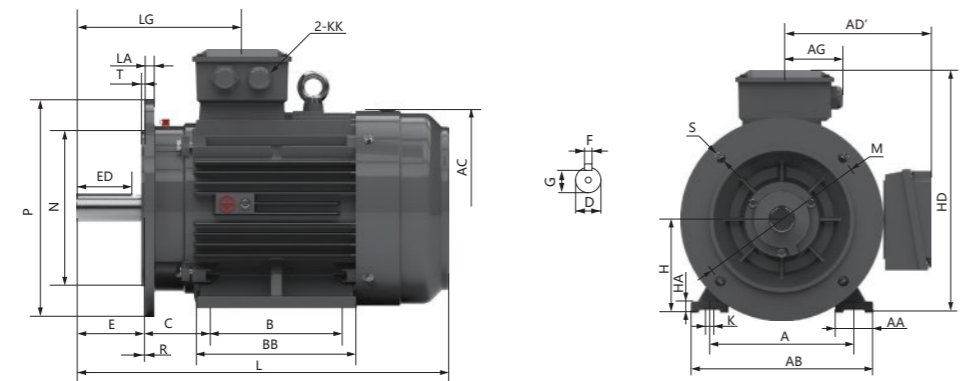
注:1.80-132机座号的L尺寸公差±5,160-355机座号的L尺寸公差±8。
The dimension of 'L' with tolerance ±5 for frame 80-132,tolerance ±8 for frame 160-355.
2.AC及L尺寸为最大外形尺寸,具体规格以确认外形图为准。
AC and L dimensions are the maximum external dimensions, and the details are subject to the confirmed drawings.

YFB4-80~132 B35外形及安装尺寸 Dimensions Foot-Flange Mount B35

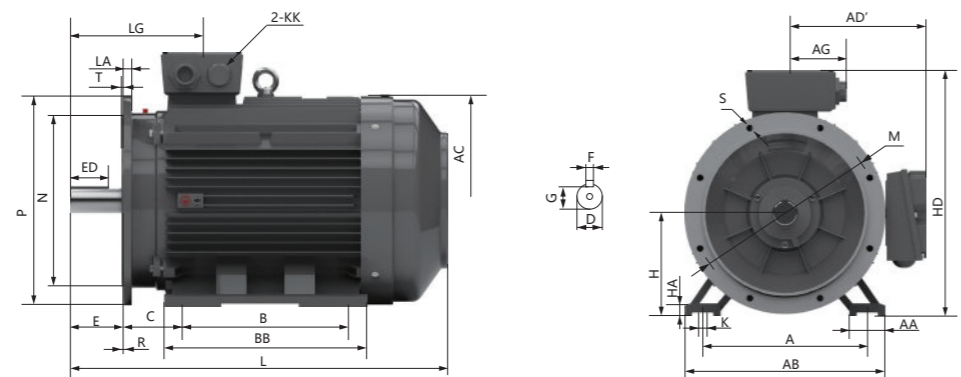
YFB4-80~132



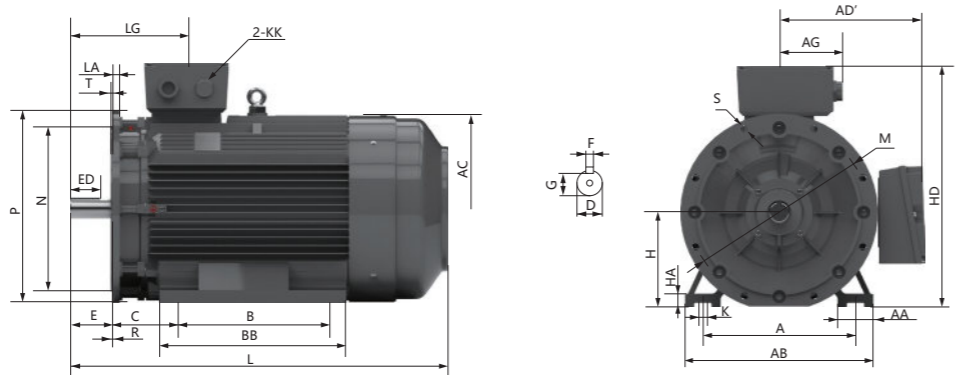
YFB4-160~200



YFB4-225~280



YFB4-315~355



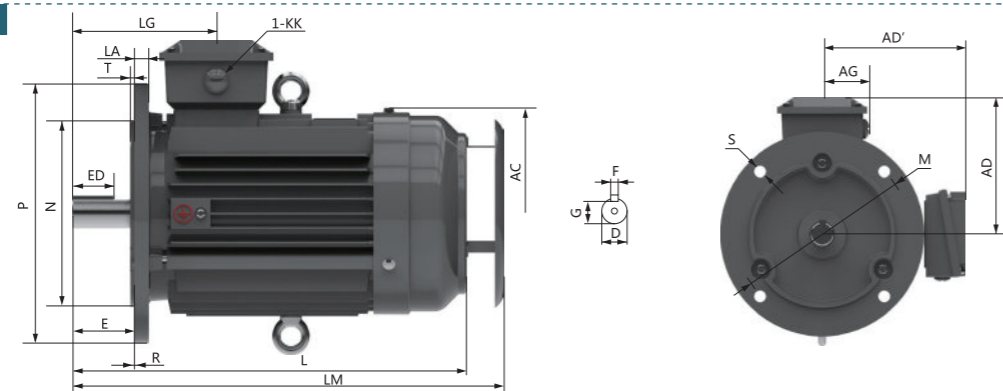
YFB4-160~200 B35外形及安装尺寸 Dimensions Foot-Flange Mount B35

机座号	极数	A	AA	AB	AC*	AD'	AG	B	BB	C	D	E	ED	F	G	GD	H	HA	HD	K	L*	LA	LG	M	N	P	S	T	KK
80M	2-8	125	34	165	175	160	51	100	142	50	19	40	22	6	15.5	6	80	10	240	10	302	14	146	165	130	200	12	3.5	M20X1.5
90S	2-8	140	36	180	190	180	60	100	180	56	24	50	32	8	20	7	90	12.5	270	10	360	12	176	165	130	200	12	3.5	M20X1.5
90L	2-8	140	36	180	190	180	60	125	210	56	24	50	32	8	20	7	90	12.5	270	10	390	12	191	165	130	200	12	3.5	M20X1.5
100L	2-8	160	40	205	215	190	60	140	233	63	28	60	40	8	24	7	100	14	290	12	435	14	222	215	180	250	14.5	4	M20X1.5
112M	2-8	190	45	230	236	210	60	140	252	70	28	60	40	8	24	7	112	14	322	12	461	12	227	215	180	250	14.5	4	M25X1.5
132S	2-8	216	52	270	275	215	75	140	204	89	38	80	56	10	33	8	132	16	347	12	477	14	250	265	230	300	14.5	4	M25X1.5
132M	2-8	216	52	270	275	215	75	178	242	89	38	80	56	10	33	8	132	16	347	12	515	14	250	265	230	300	14.5	4	M25X1.5
160M	2-8	254	67	320	340	255	95	210	305	108	42	110	80	12	37	8	160	19	430	14.5	656.5	15	270	300	250	350	18.5	5	M32X1.5
160L	2-8	254	67	320	340	255	95	254	325	108	42	110	80	12	37	8	160	19	430	14.5	679	15	270	300	250	350	18.5	5	M32X1.5
180M	2-8	279	70	345	385	300	120	241	420	121	48	110	80	14	42.5	9	180	22	480	14.5	818	15	288	300	250	350	18.5	5	M32X1.5
180L	2-8	279	70	345	385	300	120	279	420	121	48	110	80	14	42.5	9	180	22	480	14.5	818	15	288	300	250	350	18.5	5	M32X1.5
200L	2-8	318	70	390	440	325	120	305	490	133	55	110	90	16	49	10	200	25	525	18.5	908.5	17	298	350	300	400	18.5	5	M40X1.5
225S	4-8	356	75	435	490	370	160	286	475	149	60	140	100	18	53	11	225	28	595	18.5	958	19	350	400	350	450	18.5	5	M40X1.5
225M	2	356	75	435	490	370	160	311	475	149	55	110	80	16	49	10	225	28	595	18.5	928	19	320	400	350	450	18.5	5	M40X1.5
225M	4-8	356	75	435	490	370	160	311	475	149	60	140	100	18	53	11	225	28	595	18.5	958	19	350	400	350	450	18.5	5	M40X1.5
250M	2	406	80	485	545	390	160	349	515	168	60	140	100	18	53	11	250	33	645	24	981	22	350	500	450	550	18.5	5	M63x1.5
250M	4-8	406	80	485	545	390	160	349	515	168	65	140	100	18	58	11	250	33	645	24	981	22	350	500	450	550	18.5	5	M63x1.5
280S	2	457	85	550	610	415	160	368	554	190	65	140	100	18	58	11	280	35	700	24	1030	22	350	500	450	550	18.5	5	M63x1.5
280S	4-8	457	85	550	610	415	160	368	554	190	75	140	100	20	67.5	12	280	35	700	24	1045	22	350	500	450	550	18.5	5	M63x1.5
280M	2	457	85	550	610	415	160	419	554	190	65	140	100	18	58	11	280	35	700	24	1030	22	350	500	450	550	18.5	5	M63x1.5
280M	4-8	457	85	550	610	415	160	419	554	190	75	140	100	20	67.5	12	280	35	700	24	1045	22	350	500	450	550	18.5	5	M63x1.5
315S	2	508	120	640	670	510	190	406	860	216	65	140	100	18	58	11	315	35	820	28	1490	24	387	600	550	660	24	6	M63x1.5
315M	2	508	120	640	670	510	190	457	860	216	65	140	100	18	58	11	315	35	820	28	1490	24	387	600	550	660	24	6	M63x1.5
315L	2	508	120	640	670	510	190	508	860	216	65	140	100	18	58	11	315	35	820	28	1490	24	387	600	550	660	24	6	M63x1.5
315S	4-8	508	120	640	670	510	190	406	860	216	80	170	130	22	71	14	315	35	820	28	1540	24	417	600	550	660	24	6	M63x1.5
315M	4-8	508	120	640	670	510	190	457	860	216	80	170	130	22	71	14	315	35	820	28	1540	24	417	600	550	660	24	6	M63x1.5
315L	4-8	508	120	640	670	510	190	508	860	216	80	170	130	22	71	14	315	35	820	28	1560	24	417	600	550	660	24	6	M63x1.5
355M	2	610	125	735	735	640	330	560	775	254	75	140	110	20	67.5	12	355	49	1000	28	1490	25	415	740	680	800	24	6	M72X2
355L	2	610	125	735	735	640	330	630	875	254	75	140	110	20	67.5	12	355	49	1000	28	1590	25	415	740	680	800	24	6	M72X2
355M	4-8	610	125	735	735	640	330	560	775	254	95	170	140	25	86	14	355	49	1000	28	1520	25	445	740	680	800	24	6	M72X2
355L	4-8	610	125	735	735	640	330	630	875	254	95	170	140	25	86	14	355	49	1000	28	1620	25	445	740	680	800	24	6	M72X2
3551, 3552	2	610	140	760	750	630	330	630	1110	254	75	140	110	20	67.5	12	355	49	940	28	1825	25	555	740	680	800	24	6	M72X2
3551, 3552	4-8	610	140	760	750	630	330	630	1110	254	95	170	140	25	86	14	355	49	940	28	1855	25	585	740	680	800	24	6	M72X2

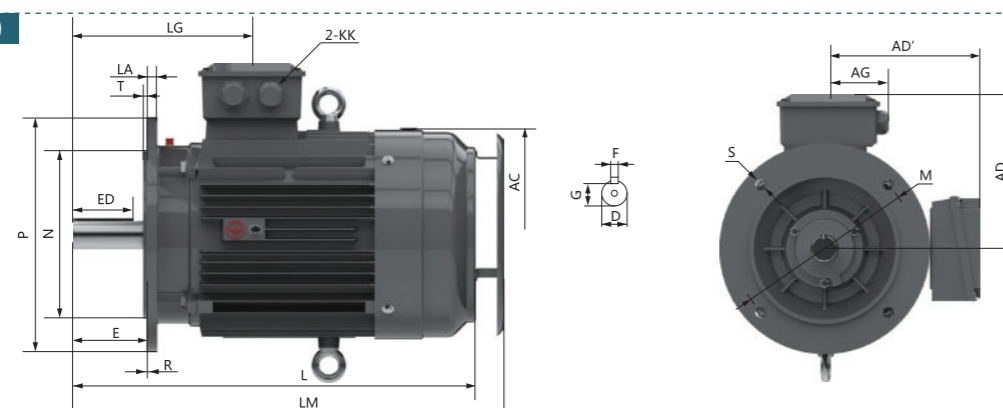
注:1.图中R尺寸值均为0。The 'R' dimensions is zero.
2.80-132机座号的L尺寸公差±5,160-355机座号的L尺寸公差±8。
The dimension of 'L' with tolerance ±5 for frame 80-132,tolerance ±8 for frame 160-355.
3.AC及L尺寸为最大外形尺寸,具体规格以确认外形图为准。
AC and L dimensions are the maximum external dimensions, and the details are subject to the confirmed drawings.

YFB4-80~132 外形及安装尺寸 Dimensions Flange Mount B5&V1

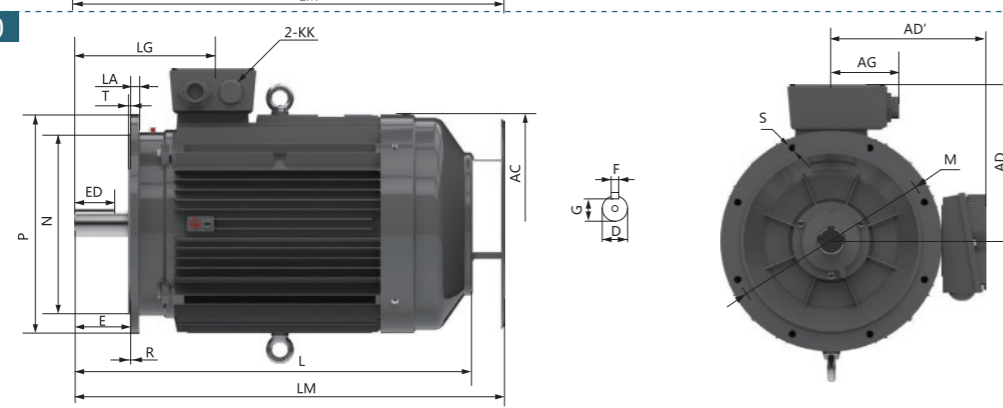
YFB4-80~132



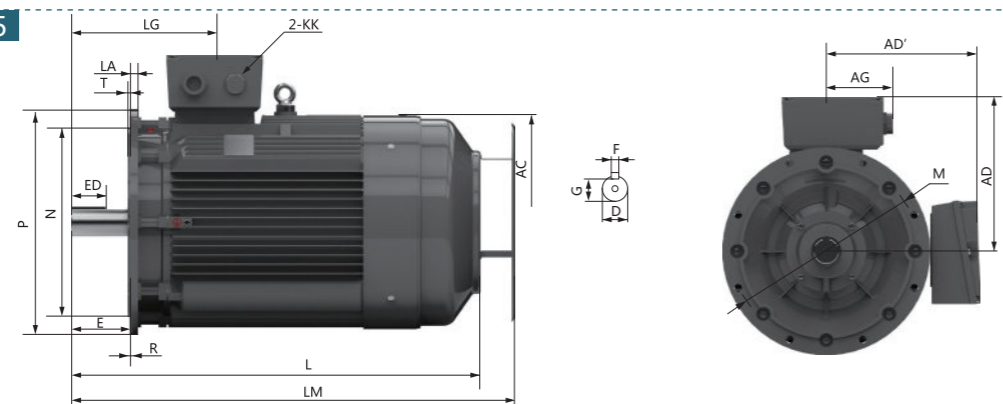
YFB4-160~200



YFB4-225~280



YFB4-315~355



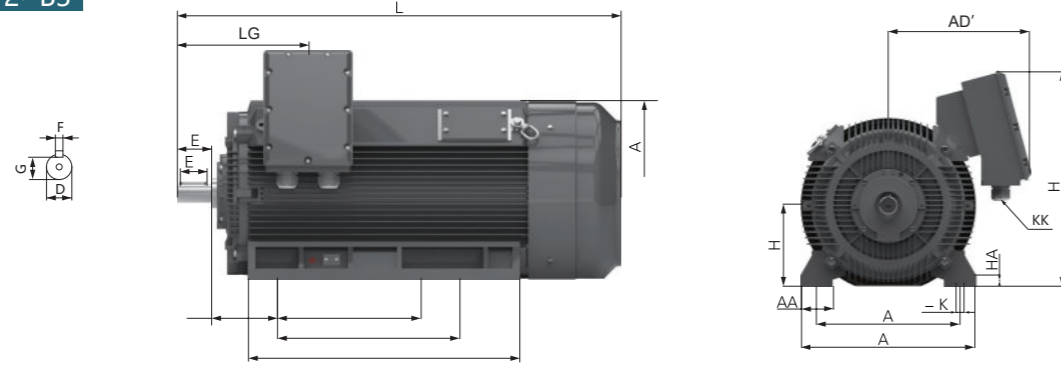
YFB4-160~200 外形及安装尺寸 Dimensions Flange Mount B5&V1

机座号	极数	AC*	D	AD	AD'	AG	E	ED	F	G	GD	LA	LG	M	N	P	S	T	KK	L*	LM*
80M	2-8	175	19	160	160	51	40	22	6	15.5	6	14	115	165	130	200	12	3.5	M20X1.5	302	352
90S	2-8	190	24	180	180	60	50	32	8	20	7	12	129	165	130	200	12	3.5	M20X1.5	360	410
90L	2-8	190	24	180	180	60	50	32	8	20	7	12	129	165	130	200	12	3.5	M20X1.5	390	440
100L	2-8	215	28	190	190	60	60	40	8	24	7	14	147	215	180	250	14.5	4	M20X1.5	435	485
112M	2-8	236	28	210	210	60	60	40	8	24	7	12	144	215	180	250	14.5	4	M25X1.5	461	511
132S	2-8	275	38	215	215	75	80	56	10	33	8	14	250	265	230	300	14.5	4	M25X1.5	477	527
132M	2-8	275	38	215	215	75	80	56	10	33	8	14	250	265	230	300	14.5	4	M25X1.5	515	565
160M	2-8	340	42	255	255	95	110	80	12	37	8	15	270	300	250	350	18.5	5	M32X1.5	656.5	701.5
160L	2-8	340	42	255	255	95	110	80	12	37	8	15	270	300	250	350	18.5	5	M32X1.5	679	723.5
180M	2-8	385	48	300	300	120	110	80	14	42.5	9	15	288	300	250	350	18.5	5	M32X1.5	818	863
180L	2-8	385	48	300	300	120	110	80	14	42.5	9	15	288	300	250	350	18.5	5	M32X1.5	818	863
200L	2-8	440	55	325	325	120	110	90	16	49	10	17	298	350	300	400	18.5	5	M40X1.5	908.5	984
225S	4-8	490	60	370	370	160	140	100	18	53	11	19	350	400	350	450	18.5	5	M40X1.5	958	1033
225M	2	490	55	370	370	160	110	80	16	49	10	19	320	400	350	450	18.5	5	M40X1.5	928	1003
225M	4-8	490	60	370	370	160	140	100	18	53	11	19	350	400	350	450	18.5	5	M40X1.5	958	1033
250M	2	545	60	390	390	160	140	100	18	53	11	22	350	500	450	550	18.5	5	M63x1.5	981	1056
250M	4-8	545	65	390	390	160	140	100	18	58	11	22	350	500	450	550	18.5	5	M63x1.5	981	1056
280S	2	610	65	415	415	160	140	100	18	58	11	22	350	500	450	550	18.5	5	M63x1.5	1030	1113
280S	4-8	610	75	415	415	160	140	100	20	67.5	12	22	350	500	450	550	18.5	5	M63x1.5	1045	1127
280M	2	610	65	415	415	160	140	100	18	58	11	22	350	500	450	550	18.5	5	M63x1.5	1030	1113
280M	4-8	610	75	415	415	160	140	100	20	67.5	12	22	350	500	450	550	18.5	5	M63x1.5	1045	1127
315S	2	670	65	510	510	190	140	100	18	58	11	24	392	600	550	660	24	6	M63x1.5	1490	1590
315M	2	670	65	510	510	190	140	100	18	58	11	24	392	600	550	660	24	6	M63x1.5	1490	1590
315L	2	670	65	510	510	190	140	100	18	58	11	24	392	600	550	660	24	6	M63x1.5	1490	1590
315S	4-8	670	80	510	510	190	170	130	22	71	14	24	422	600	550	660	24	6	M63x1.5	1540	1640
315M	4-8	670	80	510	510	190	170	130	22	71	14	24	422	600	550	660	24	6	M63x1.5	1540	1640
315L	4-8	670	80	510	510	190	170	130	22	71	14	24	422	600	550	660	24	6	M63x1.5	1560	1660
355M	2	735	75	640	640	330	140	110	20	67.5	12	25	415	740	680	800	24	6	M72X2	1490	1590
355L	2	735	75	640	640	330	140	110	20	67.5	12	25	415	740	680	800	24	6	M72X2	1590	1690
355M	4-8	735	95	640	640	330	170	140	25	86	14	25	445	740	680	800	24	6	M72X2	1520	1620
355L	4-8	735	95	640	640	330	170	140	25	86	14	25	445	740	680	800	24	6	M72X2	1620	1720
3551, 3552	2	750	75	630	630	330	140	110	20	67.5	12	25	555	740	680	800	24	6	M72X2	1825	1925
3551, 3552	4-8	750	95	630	630	330	170	140	25	86	14	25	585	740	680	800	24	6	M72X2	1855	1955

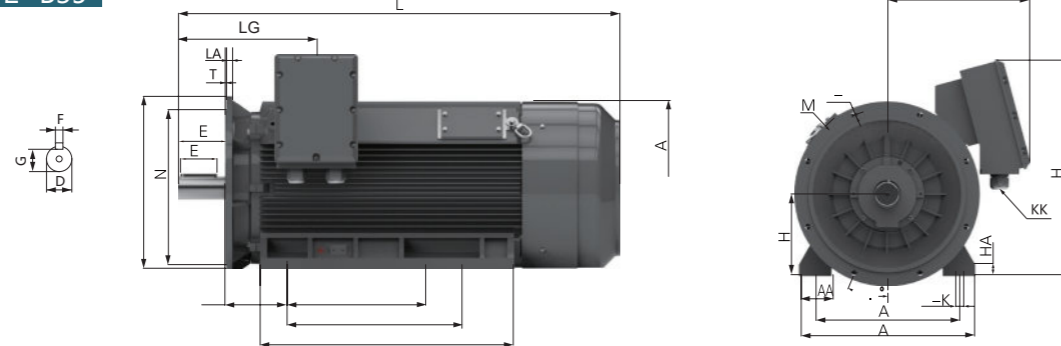
注:1.图中R尺寸值均为0。The 'R' dimensions is zero.
2.80-132机座号的L和LM尺寸公差±5,160-355机座号的L和LM尺寸公差±8。
The dimension of 'L' and 'LM' with tolerance ±5 for frame 80-132,tolerance ±8 for frame 160-355.
3.AC及L尺寸为最大外形尺寸,具体规格以确认外形图为准。
AC and L dimensions are the maximum external dimensions, and the details are subject to the confirmed drawings.

35512外形及安装尺寸 Mounting Dimensions 35512

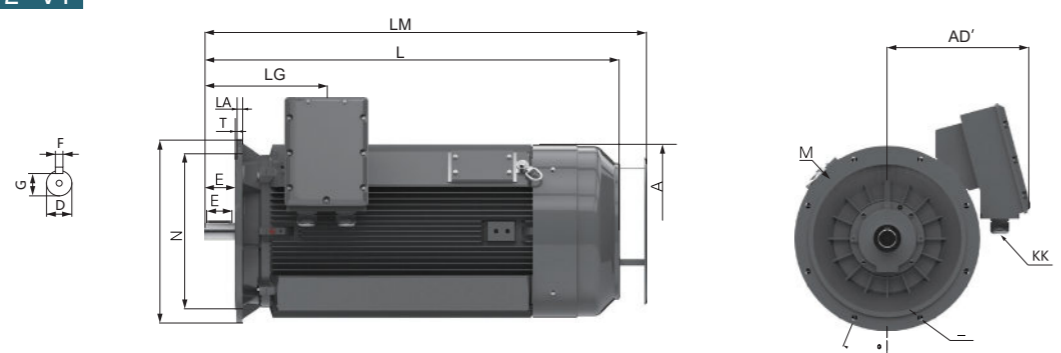
YFB4-35512~B3



YFB4-35512~B35



YFB4-35512~V1



机座号 Frame	极数	A	AA	AB	AC*	AD'	B1	B2	BB	C	D	E	ED	F	G	GD	H	HA	HD	K	LA	L*	LM*	LG	M	N	P	S	T	KK
35512	2	630	140	760	760	630	630	800	1110	224	80	170	140	22	71	14	355	49	950	35	28	1850	1950	545	840	780	900	24	6	M72*2
35512	4-8	630	140	760	760	630	630	800	1110	224	110	210	160	28	100	16	355	49	950	35	28	1940	2040	585	840	780	900	24	6	M72*2

注:1.图中L和LM尺寸公差±8.

The dimension of 'L' and 'LM' with tolerance ±8.

2.AC及L尺寸为最大外形尺寸,具体规格以确认外形图为准.

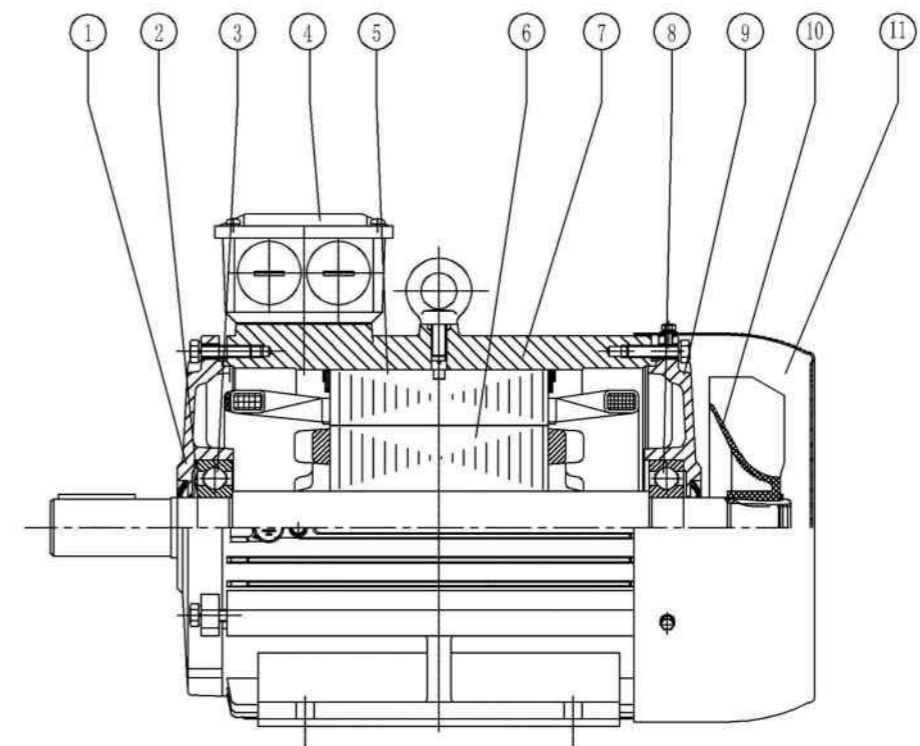
AC and L dimensions are the maximum external dimensions, and the details are subject to the confirmed drawings.

装配图及零部件明细表 Arrangement And Parts List

YFB4 80~132FRAME

序号	零部件名称	Parts Description
1	驱动端端盖	Endshield D.E.
2	波形弹簧	Wave washer
3	驱动端轴承	Bearing D.E.
4	接线盒	Terminal box
5	定子铁芯	Stator lamination pack
6	转子铁芯	Rotor lamination pack
7	机座	Frame
8	非驱动端轴承	Bearing N.D.E.
9	非驱动端端盖	Endshield N.D.E.
10	风扇	Fan
11	风罩	Fan cowl

基本结构说明	Specifications standard construction
铸铁机座和接线盒	Cast iron frame,terminal box.
钢板冲压风罩	Pressed steel fan cowl.
铸铁端盖	Cast iron endshields.
聚丙烯玻璃纤维风扇	Polypropylene,glass reinforced fan.
电机专用轴承	Equivalent bearings.
特性 Features	
电机尺寸和额定功率符合IEC60072	Dimensions and ratings to IEC60072
GB/T4772.1-4772.3	GB/T4772.1-4772.3
IP55	IP55
接线盒在上面	Top mounted terminal box.
接线盒可90°旋转	Terminalbox rotates in 90 deg
冷却方式IC411	Cooling IC411
安装 Mounting	
B3-卧式底脚安装	B3-foot mounted
B5-卧式凸缘安装	B5-flange mounted-horizontal.
B35-底脚凸缘安装	B35-foot And flange mounted
V1-立式凸缘安装	V1-flang mounted-vertical

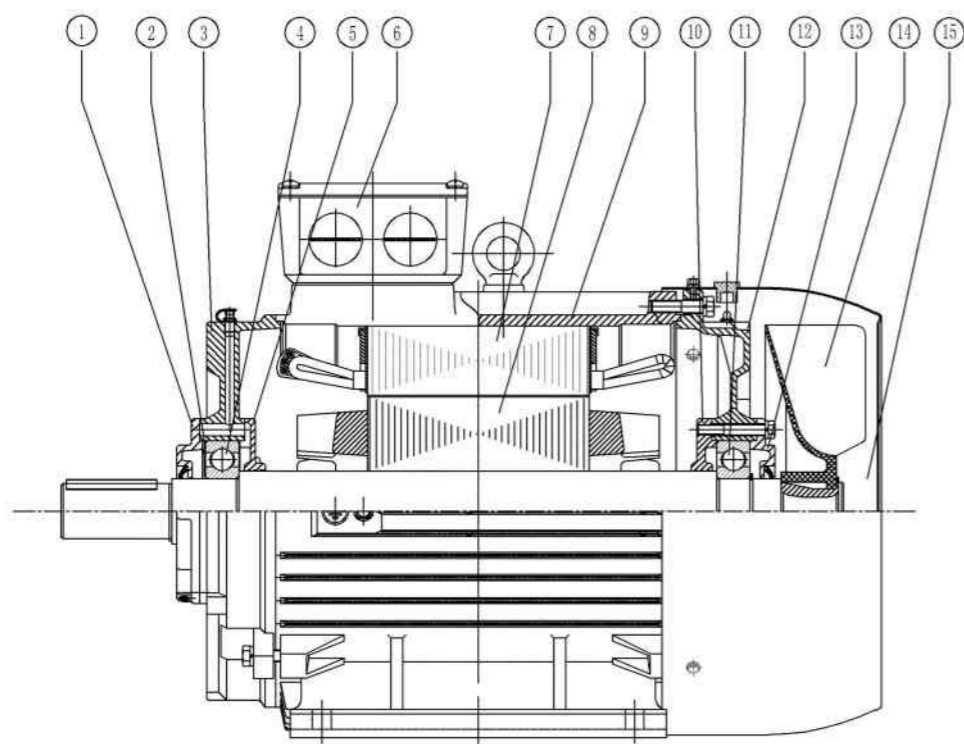


▶ 装配图及零部件明细表 Arrangement And Parts List

YFB4 160~280FRAME

零部件名称		Parts Description
1	驱动端轴承外盖	Outer bearing cap D.E.
2	波形弹簧	Wave washer
3	驱动端端盖	Endshield D.E.
4	驱动端轴承	Bearing D.E.
5	驱动端轴承内盖	Inner bearing cap D.E.
6	接线盒	Terminal box
7	定子铁芯	Stator lamination pack
8	转子铁芯	Rotor lamination pack
9	机座	Frame
10	非驱动端轴承内盖	Inner bearing cap N.D.E.
11	非驱动端轴承	Bearing N.D.E.
12	非驱动端端盖	Endshield N.D.E.
13	非驱动端轴承外盖	Outer bearing cap N.D.E.
14	风扇	Fan
15	风罩	Fan cowl

基本结构说明		Specifications standard construction
铸铁机座和接线盒	Cast iron frame,terminal box.	
钢板冲压风罩	Pressed steel fan cowl.	
铸铁端盖	Cast iron endshields.	
聚丙烯玻璃纤维风扇	Polypropylene,glass reinforced fan.	
电机专用轴承	Equivalent bearings.	
特性		Features
电机尺寸和额定功率符合IEC60072	Dimensions and ratings to IEC60072	
GB/T4772.1-4772.3	GB/T4772.1-4772.3	
IP55	IP55	
接线盒在上面	Top mounted terminal box.	
接线盒可90°旋转	Terminalbox rotates in 90 deg	
冷却方式IC411	Cooling IC411	
安装		Mounting
B3-卧式底脚安装	B3-foot mounted	
B5-卧式凸缘安装	B5-flange mounted-horizontal.	
B35-底脚凸缘安装	B35-foot And flange mounted	
V1-立式凸缘安装	V1-flang mounted-vertical	

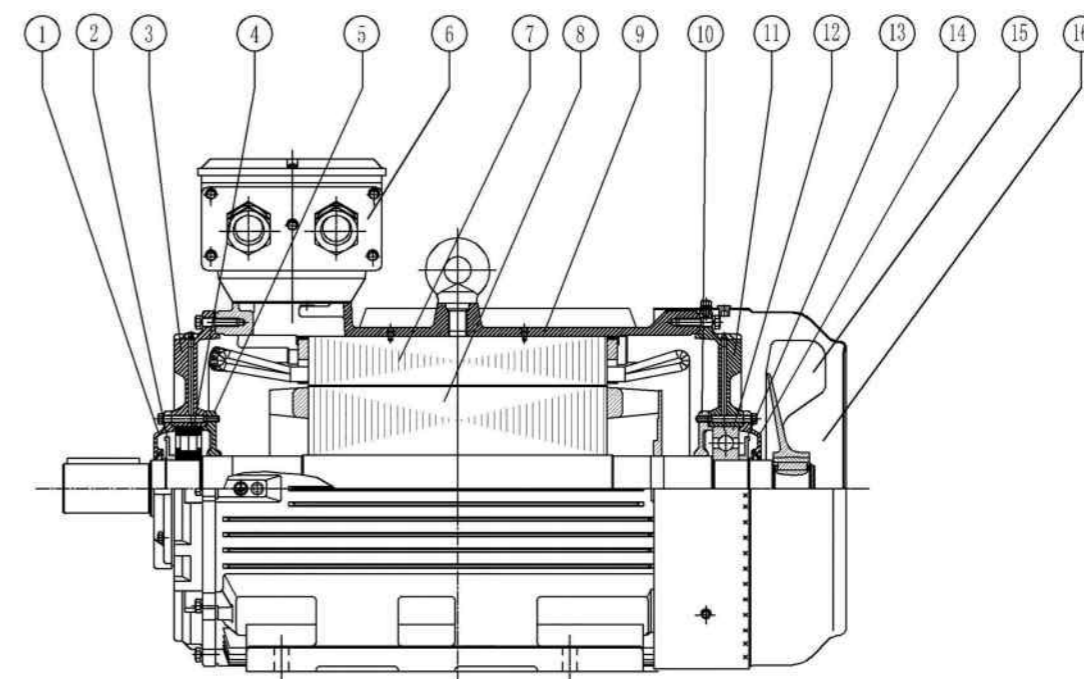


▶ 装配图及零部件明细表 Arrangement And Parts List

YFB4 315~355FRAME

零部件名称		Parts Description
1	驱动端轴承外盖	Outer bearing cap D.E.
2	驱动端油盘	Flinger D.E.
3	驱动端端盖	Endshield D.E.
4	驱动端轴承	Bearing D.E.
5	驱动端轴承内盖	Inner bearing cap D.E.
6	接线盒	Terminal box
7	定子铁芯	Stator lamination pack.
8	转子铁芯	Rotor lamination pack.
9	机座	Frame
10	非驱动端轴承内盖	Inner bearing cap N.D.E.
11	非驱动端轴承	Bearing N.D.E.
12	非驱动端端盖	Endshield N.D.E.
13	非驱动端油盘	Flinger N.D.E.
14	非驱动端轴承外盖	Outer bearing cap N.D.E.
15	风扇	Fan
16	风罩	Fan cowl

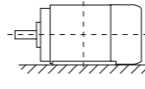
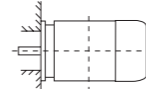
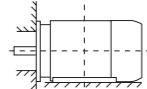

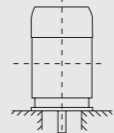
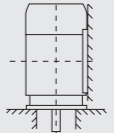
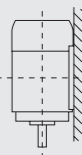

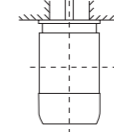
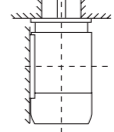
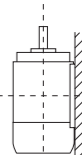
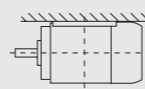
基本结构说明		Specifications standard construction
铸铁机座和接线盒	Cast iron frame,terminal box.	
钢板冲压风罩	Pressed steel fan cowl.	
铸铁端盖	Cast iron endshields.	
聚丙烯玻璃纤维风扇	Polypropylene,glass reinforced fan.	
电机专用轴承	Equivalent bearings.	
特性		Features
电机尺寸和额定功率符合IEC60072	Dimensions and ratings to IEC60072	
GB/T4772.1-4772.3	GB/T4772.1-4772.3	
IP55	IP55	
接线盒在上面	Top mounted terminal box.	
接线盒可90°旋转	Terminalbox rotates in 90 deg	
冷却方式IC411	Cooling IC411	
安装		Mounting
B3-卧式底脚安装	B3-foot mounted	
B35-底脚凸缘安装	B35-foot And flange mounted	
V1-立式凸缘安装	V1-flang mounted-vertical	



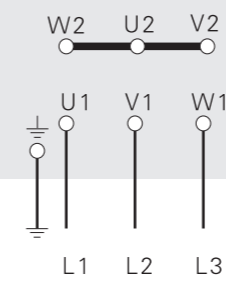
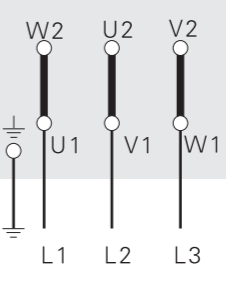
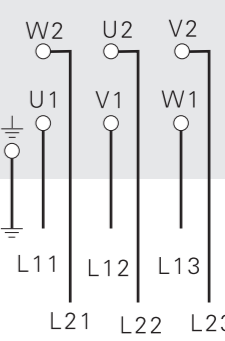
防护等级 Degrees of Protection(IEC 60034-5)

符号 Designation	第一位数字 First numeral	第二位数字 Second numeral
	防止固体异物进入内部及防止人体触及内部的带电或运动部分。 Protection against contact and ingress of foreign bodies, protection against hazardous "live" parts and moving mechanical parts.	防护水 Protection against water
	5.虽不能完全防止灰尘进入,但进尘量不足以影响电机正常运行。能防止触及或接近壳内带电或转动部分。 Ingress of dust is not totally prevented, but dust shall not interfere with the satisfactory operation of equipment. A probe of 1mm diameter shall not penetrate the enclosure.	5.任何方向的喷水对电机应无有害的影响。 Water projected in jets against the enclosure from any direction will have no harmful effects.
	6.完全防止灰尘进入机壳。 No ingress of dust.	6.强力喷水时电机应无有害影响。 Water projected in power jets shall have no harmful effects.
IP55	防尘 Dust protected	防喷水 Jetting water
IP56	防尘 Dust protected	防强力喷水 Powerful Jetting
IP65	尘密 Dust tight	防喷水 Jetting water
IP66	尘密 Dust tight	防强力喷水 Powerful Jetting

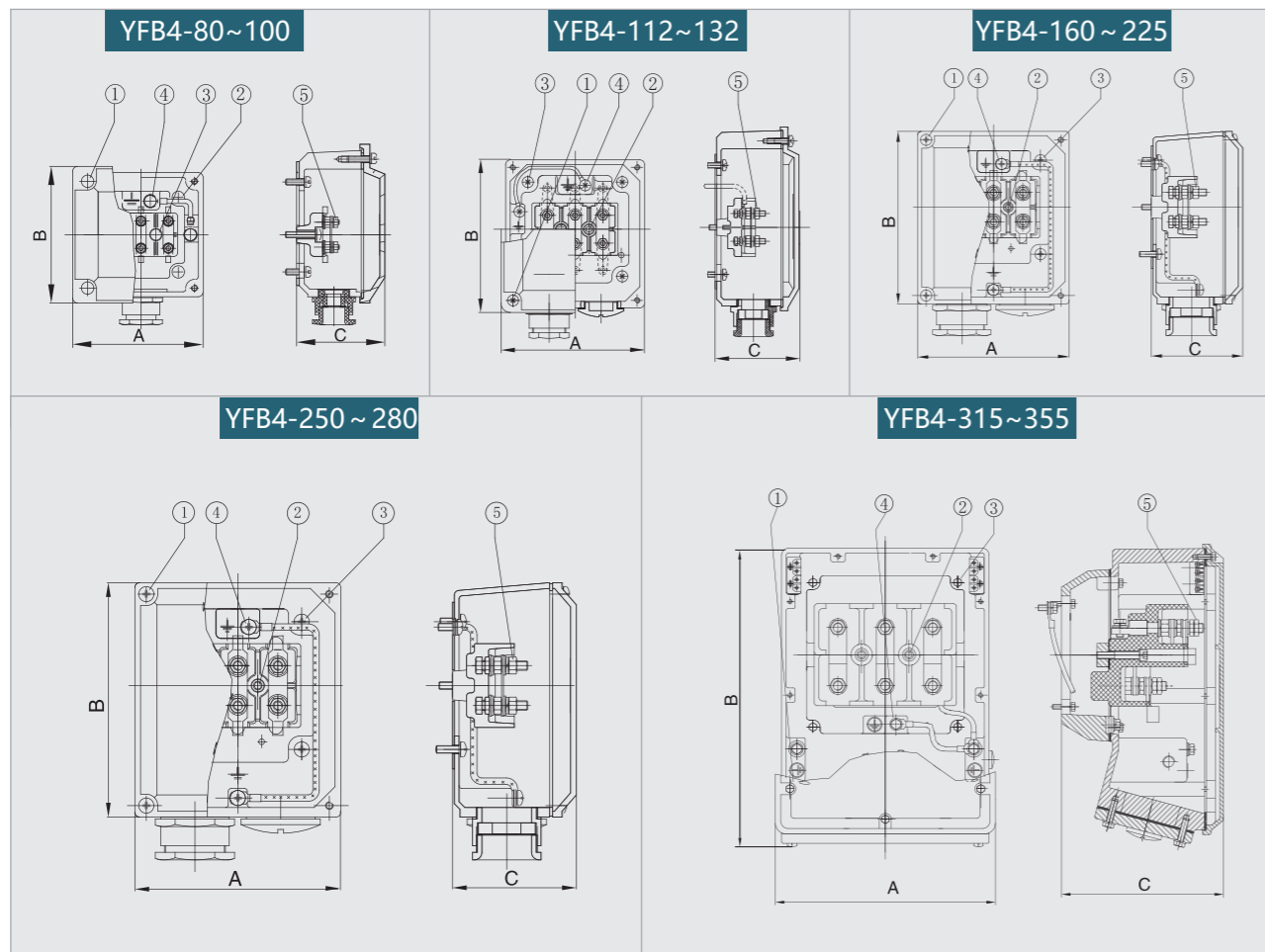
安装型式 Mounting Arrangements

卧式底脚安装 Foot mig horiz	凸缘安装 Flange mig	底脚凸缘安装 Foot/Flange mig	立式底脚安装 Foot mig vert
B3 IM1001 H80 ~ 355 	B5 IM3001 H80 ~ 280 	B35 IM2001 H80 ~ 355 	
B6 IM1051 H80 ~ 160 	V1 IM3011 H80 ~ 355 	V15 IM2011 H80 ~ 160 	V5 IM1011 H80 ~ 160 
B7 IM1061 H80 ~ 160 	V3 IM3031 H80 ~ 160 	V36 IM2031 H80 ~ 160 	V6 IM1031 H80 ~ 160 
B8 IM1071 H80 ~ 160 			

接线指示图 鼠笼式三相电动机 Connection Diagrams Three phase motors with cage rotor

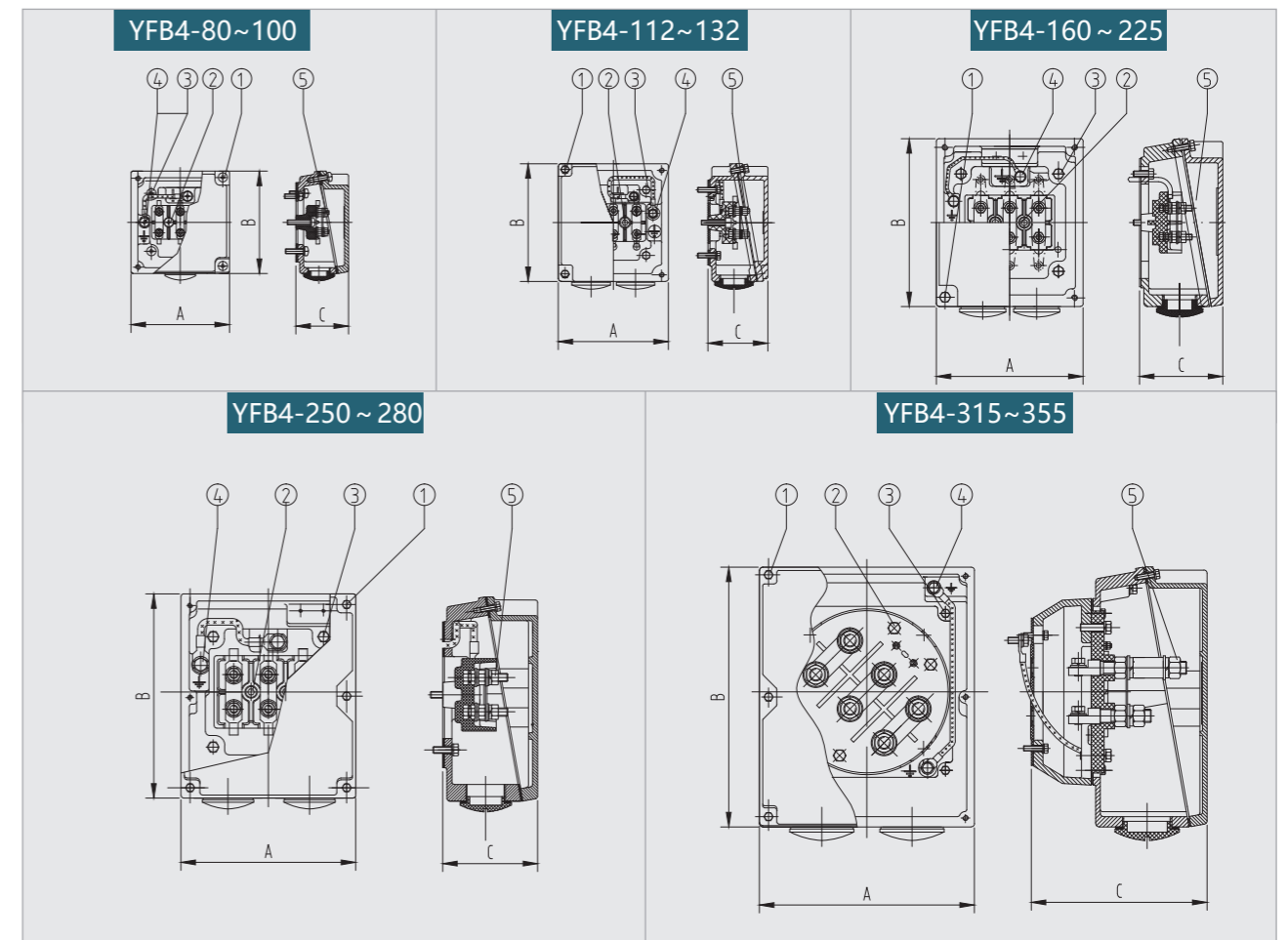
Y接 Star Connection	△接 Delta Connection	Y-△启动连接 Star-Delta Connection
		

上出线接线盒 Top Terminal Box



机座号 Frame	A	B	C	1	2	3	4	5	螺纹尺寸 Gland Size	出线孔直径 Outlet(dia.)
YFB4-80	105	105	65	M5X16	M5X25	M5X16	M5X12	M4	M20X1.5	Φ11
YFB4-90~100	113	113	72	M5X16	M5X25	M5X16	M5X12	M4	M20X1.5	Φ11
YFB4-112~132	121	129	80	M5X16	M5X25	M5X20	M5X16	M5	M25X1.5	2XΦ15
YFB4-160~180	163	173	92	M5X16	M6X25	M6X16	M6X12	M6	2XM32X1.5	2XΦ25
YFB4-200~225	188	208	107	M8x25	M8x35	M8x25	M8x16	M8	2XM40X1.5	2XΦ36
YFB4-250~315	217	246	120	M8x25	M8x35	M8x25	M8x16	M10	2XM63X1.5	2XΦ51
YFB4-355	350	475	285	M12X30	M12X80	M12X30	M10X25	M20	2XM72X2	2XΦ52

侧出线接线盒 Side Terminal Box

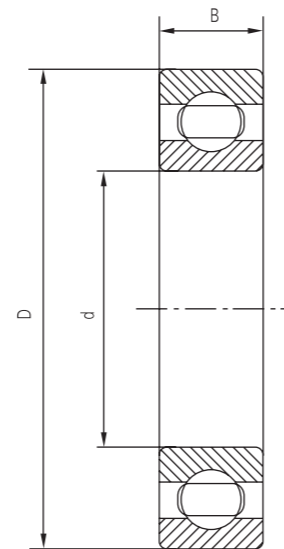


机座号 Frame	A	B	C	1	2	3	4	5	螺纹尺寸 Gland Size	出线孔直径 Outlet(dia.)
YFB4-80	95	95	56	M5X16	M5X25	M5X16	M5X12	M4	M20X1.5	Φ11
YFB4-90~100	105	109	56	M5X16	M5X25	M5X16	M5X12	M4	M20X1.5	Φ11
YFB4-112~132	117	125	65	M5X16	M5X25	M5X20	M5X16	M5	M25X1.5	2XΦ15
YFB4-160~180	155	177	87	M5X16	M6X25	M6X16	M6X12	M6	2XM32X1.5	2XΦ25
YFB4-200~225	176	212	107	M6X20	M8X35	M8X20	M8X16	M8	2XM40X1.5	2XΦ36
YFB4-250~315	212	248	115	M6X20	M8X35	M8X30	M8x16	M10	2XM63X1.5	2XΦ51
YFB4-355	340	410	275	M8x30	M12x40	M12x30	M10x25	M20	2XM72x2	2XΦ52

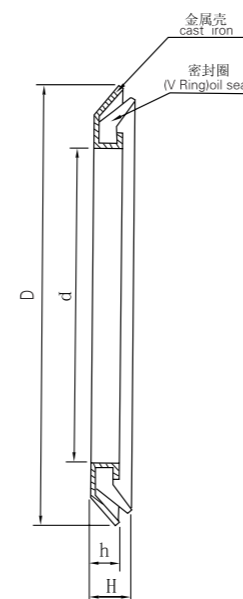
轴承、密封和润滑 Bearing、Seal & Lubrication

电机型号 Motor type	轴伸端 DE	非轴伸端 NDE	d	D	B
YFB4-80	6204ZZ	6204ZZ	20	47	14
YFB4-90	6205ZZ	6205ZZ	25	52	15
YFB4-100	6206ZZ	6206ZZ	30	62	16
YFB4-112	6306ZZ	6306ZZ	30	72	19
YFB4-132	6308ZZ	6308ZZ	40	90	23
YFB4-160	6309	6309	45	100	25
YFB4-180	6311	6311	55	120	29
YFB4-200	6313	6313	65	140	33
YFB4-225	6314	6314	70	150	35
YFB4-250	6314	6314	70	150	35
YFB4-280 2P	6314	6314	70	150	35
YFB4-280 4-8P	6317	6317	85	180	41
YFB4-315 2P	6316	6316	80	170	39
YFB4-315 4-8P	6319	6319	95	200	45
YFB4-355(2P) (B3,B35)	6319	6319	95	200	45
YFB4-355(2P)V1	6319	7319	95	200	45
YFB4-355(4-8P) (B3,B35)	6322	6322	110	240	50
YFB4-355(4-8P)V1	6322	7322	110	240	50
YFB4-35512(2P) (B3,B35)	6319/C3	6319/C3	95	200	45
YFB4-35512(4-8P) (B3,B35)	NU324	6324	120	260	55
YFB4-35512(2P) V1	6319C3	7319	95	200	45
YFB4-35512(4-8P) V1	NU324	7324	110	260	55

轴承数据
bearing data



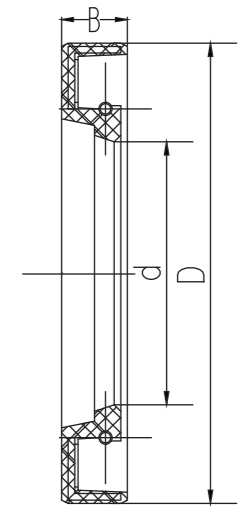
电机型号 Motor type	油封规格 Oil seal size	d	D	h	H
YFB4-80	RB20x35x4.0	Φ20	Φ35	3	6
YFB4-90	RB25x40x4.0	Φ25	Φ40	3	6
YFB4-100	RB30x47x4.5	Φ30	Φ47	3.5	6.5
YFB4-112	RB30x47x4.5	Φ30	Φ47	3.5	6.5
YFB4-132	RB40x57x4.5	Φ40	Φ57	3.5	6.5
YFB4-160	RB45x62x4.5	Φ45	Φ62	3.5	6.5
YFB4-180	RB55x75x5.5	Φ55	Φ75	4.5	6.5
YFB4-200	RB65x85x5.5	Φ65	Φ85	4.5	8
YFB4-225	RB70x90x5.5	Φ70	Φ90	4.5	8
YFB4-250	RB70x90x5.5	Φ70	Φ90	4.5	8
YFB4-280-2	RB70x90x5.5	Φ70	Φ90	4.5	8
YFB4-280-4.6.8	RB85x105x5.5	Φ85	Φ105	4.5	8
YFB4-315-2	RB80x100x5.5	Φ80	Φ100	4.5	8
YFB4-315-4.6.8	RB95x115x5.5	Φ95	Φ115	4.5	8



轴承、密封和润滑 Bearing、Seal & Lubrication

电机型号 Motor type	驱动端 (D.E.)			非驱动端 (N.D.E.)		
	d	D	B	d	D	B
YFB4-80	20	35	5	20	35	5
YFB4-90	25	40	5	25	40	5
YFB4-100	30	52	7	30	52	7
YFB4-112	30	52	7	30	52	7
YFB4-132	40	62	5	40	62	5
YFB4-160	45	65	8	45	65	8
YFB4-180	55	75	8	55	75	8
YFB4-200	65	90	10	65	90	10
YFB4-225	70	95	10	70	95	10
YFB4-250	70	95	10	70	95	10
YFB4-280-2	70	95	10	70	95	10
YFB4-280-4.6.8	85	110	12	85	110	12
YFB4-315-2	80	100	10	80	100	10
YFB4-315-4.6.8	95	120	12	95	120	12
YFB4-355-2	95	120	12	95	120	12
YFB4-355-4.6.8	110	140	12	110	140	12
YFB4-35512(2P)	95	120	12	95	120	12
YFB4-35512(4-8P)	120	150	12	120	150	12

油封数据
oil seal data



- 电机配备了优质供应商制造的轴承，轴承采用C3游隙。
Motors are equipped with bearings from excellent manufacturers. In general the bearings have C3 clearances.
- 80~132机座号电动机装有封闭轴承。
Motors of frame sizes 80-132 are fitted with closed bearings.
- 160~355机座号电动机装有开放式轴承并带有注油装置。开放式轴承必须依据润滑脂的有效寿命按时加油，以使轴承达到预期寿命。
Motors of frame sizes 160-355 are fitted with open bearings and regreasing device. Depending on the useful life of grease, open bearings must be regreased in good time so that the scheduled bearing service life is reached.

电机型号 Motor type	轴伸端轴承 DE Bearing	非轴伸端轴承 NDE Bearing	添加润滑脂的期限 (运行小时数, 70°C以下) Regreasing period hours for operating temperatures up to 70°C			轴承室所需润滑脂用量 Quantity of grease in bearing chamber g
			n < 3600r/min	n < 1800r/min	n < 1200r/min	
YFB4-160	6309	6309	6000	10000	16000	13
YFB4-180	6311	6311	4000	9000	14000	15
YFB4-200	6313	6313	3000	5500	8500	22
YFB4-225	6314	6314	2000	5000	8000	23
YFB4-250	6314	6314	2000	5000	8000	23
YFB4-280 2P	6314	6314	1200	-	-	30
YFB4-280 4-6P	6317	6317	-	4000	6000	35
YFB4-315 2P	6316	6316	1200	-	-	30
YFB4-315 4-6P	6319	6319	-	2000	3000	45
YFB4-355(2P) (B3,B35)	6319	6319	-	-	-	30
YFB4-355(2P)V1	6319	7319	1200	-	-	30
YFB4-355(4-8P) (B3,B35)	6322	6322	-	1400	2200	60
YFB4-355(4-8P)V1	6322	7322	-	1400	2200	60
YFB4-35512(2P) (B3,B35)	6319/C3	6319/C3	1200	-	-	30
YFB4-35512(4-8P) (B3,B35)	NU324	6324	-	1200	2000	80
YFB4-35512(2P) V1	6319C3	7319	1200	-	-	30
YFB4-35512(4-8P) V1	NU324	7324	-	1200	2000	80

- 注：1. 立式电动机添加润滑脂的时间应该是上述卧式电动机时间的一半。
Vertical motors should be greased twice as often as horizontal motors.
2. 当轴承运行温度超过70°C时，重新添加润滑脂的时间应该缩短。
Regreasing time should be reduced if bearing operating temperature is in excess of 70°C.

主要产品介绍 Main Product Introduction

YE3系列三相异步电动机 (H80-355)	YE3 Series 3-Phase Asynchronous Motor
YE4系列三相异步电动机 (H80-355)	YE4 Series 3-Phase Asynchronous Motor
YE5系列三相异步电动机 (H80-355)	YE5 Series 3-Phase Asynchronous Motor
YE3系列高温消防排烟风机专用电机 (H80-355)	YE3 Series Special Motor for Smoke and Heat Exhaust Ventilators
Y-H系列船用三相异步电动机 (H63-355)	Y-H Series 3-Phase Asynchronous Motor In Ships
YD系列变极多速三相异步电动机 (H80-315)	YD Series 3-Phase Multi-Speed Motor
YDT系列通风机用多速三相异步电动机 (H80-315)	YDT Series Ventilator used 3-Phase Multi-Speed Motor
YVF2系列变频调速三相异步电动机 (H80-355)	YVF2 Series Frequency Control 3-Phase Asynchronous Motor
YH系列高转差率三相异步电动机 (H80-315)	YH Series High Slip 3-Phase Asynchronous Motor
Y-W系列户外型三相异步电动机 (H80-355)	Y-W Series Outdoor used 3-Phase Asynchronous Motor
YT系列轴流式通风机用三相异步电动机 (H80-132)	YT Series Ventilator used 3-Phase Asynchronous Motor
1L(IP23)系列三相异步电动机(H160-355)	1L(IP23) Series 3-Phase Asynchronous Motor
Y(IP23)系列三相异步电动机 (H400-500)	Y(IP23) Series 3-Phase Asynchronous Motor
YZS系列起重用三相异步电动机 (H160-225)	YZS Series Crane 3-Phase Asynchronous Motor
YEJ系列电磁制动三相异步电动机 (H80-225)	YEJ Series Electromagnetic Braking 3-Phase Asynchronous Motor
YBK3系列煤矿井下用隔爆型三相异步电动机(H80-355)	YBK3 Series Flameproof 3-Phase Asynchronous Motor for Coal Mines
HM3系列三相异步电动机 (H80-355)	HM3 Series 3-Phase Asynchronous Motor
HM4系列三相异步电动机 (H80-355)	HM4 Series 3-Phase Asynchronous Motor
YB2-H、YB3-H系列船用隔爆型三相异步电动机(H80-355)	YB2-H、YB3-H Series Flameproof 3-Phase Asynchronous Motor For Ships
YBBP系列隔爆型变频调速三相异步电动机(H80-355)	YBBP Series Flameproof Frequency Control 3-Phase Asynchronous Motor
YBX3系列高效率隔爆型三相异步电动机(H80-355)	YBX3 Series High Efficiency Flameproof 3-Phase Asynchronous Motor
YBX4系列高效率隔爆型三相异步电动机(H80-355)	YBX4 Series High Efficiency Flameproof 3-Phase Asynchronous Motor
YBX5系列高效率隔爆型三相异步电动机(H80-355)	YBX5 Series High Efficiency Flameproof 3-Phase Asynchronous Motor
YFB3系列粉尘防爆型三相异步电动机(H80-355)	YFB3 Series Dust Explosion-Proof 3-Phase Asynchronous Motor
YFB4系列粉尘防爆型三相异步电动机(H80-355)	YFB4 Series Dust Explosion-Proof 3-Phase Asynchronous Motor
YFB5系列粉尘防爆型三相异步电动机(H80-355)	YFB5 Series Dust Explosion-Proof 3-Phase Asynchronous Motor
Y3系列三相异步电动机 (H355-450)	Y3 Series 3-Phase Asynchronous Motor
Y系列高压三相异步电动机 (H355-800)	Y Series High-Voltage 3-Phase Asynchronous Motor
YKK系列高压三相异步电动机 (H355-800)	YKK Series High-Voltage 3-Phase Asynchronous Motor
Y2系列高压三相异步电动机 (H355-560)	Y2 Series High-Voltage 3-Phase Asynchronous Motor
YX系列高效高压三相异步电动机 (6KV, H355-630)	YX Series High Efficiency High-Voltage 3-Phase Asynchronous Motor
YX系列高效高压三相异步电动机 (10KV, H400-630)	YX Series High Efficiency High-Voltage 3-Phase Asynchronous Motor
YR系列高压绕线转子三相异步电动机 (H355-1000)	YR Series High-Voltage 3-Phase Wound Rotor Asynchronous Motor
YRKK系列高压绕线转子三相异步电动机 (H355-1000)	YRKK Series High-Voltage 3-Phase Wound Rotor Asynchronous Motor
YFSS系列双馈异步风力发电机 (H450-630)	YFSS Series Doubly Fed Induction Windmill Generator
YFWK系列双馈异步风力发电机 (H500)	YFWK Series Doubly Fed Induction Windmill Generator

客户合作 Cooperative Partner

