

## 永磁系列

FPM / FYPM 系列变频调速永磁同步电动机  
FPM / FYPM series permanent magnet synchronous motor 01

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## FPM / FYPM 系列变频调速永磁同步电动机

[ FPM / FYPM series permanent magnet synchronous motor ]



FPM/FYPM系列电动机，是我司自主开发的一种是全封闭稀土永磁同步电动机，电机采用钕铁硼永磁体，经过特殊转子结构设计，电机具有高过载能力，高效率，高功率因数，运行平稳，维护简单，互换性强等系列特点，集中了异步电机和一般同步电机的优点，安装方式符合IEC标准，具有国际通用性是出口及替代进口的理想产品。

FPM/FYPM系列电动机具有超强的节能性，当设备处于部分负载时电机能追踪负载功率并且能保持高的效率，实现节能，当负载满负荷运行时，电机能高效运行。与普通变频电机相比，调速范围更广，节能性能更卓越，在低速运行时，能保持很高的电机效率，符合GB 30253-2013变频驱动永磁电机I级能效标准，远超IE4效率。

FPM/FYPM系列电动机具有超广的适用范围，具备与电梯、风机、水泵、皮带机、机床、纺织机械、电动汽车、空压机等器械的高度匹配性，能广泛用于石油、化工、电力、交通、纺织等行业。

FPM/FYPM series motor is one kind of full closed rare earth permanent magnet synchronous motor by our own development. Based on NdFeB permanent magnet, special rotor structure design, the motor has high overload capacity, high efficiency, high power factor, stable operation and simple maintenance, strong interchangeability and other characteristics. It concentrates the advantages of both asynchronous motor and general synchronous motor. Installation method conforms to the IEC standard which is an ideal product for export or substitution of import as its international generality

FPM/FYPM series motor has the feature of super energy saving, the motor tracks the load power and keep high efficiency when the equipment is in part load which achieves energy saving. It runs efficiently when the load is running at full load. Compared with the ordinary variable frequency motor, the speed regulation range is wider and the energy saving performance is more outstanding. It maintains high efficiency at low speed operating which conforms to GB 30253-2013 Class I energy efficiency standard for variable frequency permanent magnet motor which far exceeds IE4 efficiency.

FPM/FYPM series motor has a wide range of applications, such as elevators, fans, pumps, belt machines, machine tools, textile machinery, electric vehicles, air compressors, etc. It can be widely used in petroleum, chemical, electric power, transportation, textile and other industries.

### ► FPM 选型配置 / Options

环境温度: -15°C~40°C  
海拔: 不超过1000米  
额定功率: 2.2kW-400kW  
机座: H100-H355  
机座材质: 铸铁  
额定电压: 220V-1140V  
频率: 5-200Hz  
转速: 0-3000 RPM  
防护等级: IP54/IP55/IP56/IP65/IP66  
绝缘等级: F/H  
工作制: S1-S6

Ambient Temperature: -15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 2.2kW-400kW  
Frame Size: H100-H355  
Frame Material: Cast Iron  
Rated Voltage: 220V-1140V  
Rated Frequency: 5-200Hz  
Speed: 0-3000 RPM  
Ingress Protection: IP54/IP55/IP56/IP65/IP66  
Insulation Class: F/H  
Work Duty: S1-S6

### ► FYPM 选型配置 / Options

环境温度: -15°C~40°C  
海拔: 不超过1000米  
额定功率: 5.5kW-45kW  
机座: H112-H180  
机座材质: 铸铁  
额定电压: 220V-1140V  
频率: 5-200Hz  
转速: 0-3000 RPM  
防护等级: IP23  
绝缘等级: F/H  
工作制: S1-S6

Ambient Temperature: -15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 5.5kW-45kW  
Frame Size: H112-H180  
Frame Material: Cast Iron  
Rated Voltage: 220V-1140V  
Rated Frequency: 5-200Hz  
Speed: 0-3000 RPM  
Ingress Protection: IP23  
Insulation Class: F/H  
Work Duty: S1-S6

► 永磁同步电机技术参数 / Technical Data - Permanent Magnet Motor-3000RPM-200Hz

电机型号 Model	额定功率 Rated Output		电 流 Input Current (AMP)			效 率 Efficiency	功率因素 Power Factor	额定转矩 Rated Torque	噪 声 Noise	重 量 Weight
	kW	HP	380V	400V	415V	50/75/100%	Cosφ	N.m	dB(A)	Kg
FPM-100M30	2.2	3	4.0	3.8	3.7	91.8	0.95	7.0	67	27
FPM-100L30	3	4	5.4	5.1	4.9	92.6	0.95	9.6	74	30
FPM-100L30	4	5.5	7.1	6.8	6.5	93.3	0.95	12.7	77	34
FPM-112M30	5.5	7.5	9.7	9.3	8.9	94	0.95	17.5	79	40
FPM-132S30	7.5	10	13.2	12.6	12.1	94.5	0.95	23.9	79	55
FPM-132S30	11	15	19.3	18.3	17.7	95	0.95	35.0	81	62
FPM-132M30	15	20	26.2	24.9	24.0	95.3	0.95	47.8	81	70
FPM-160M30	18.5	25	32.2	30.6	29.5	95.6	0.95	58.9	81	100
FPM-160M30	22	30	38.2	36.3	35.0	95.9	0.95	70.0	83	114
FPM-160L30	30	40	52.0	49.4	47.6	96.1	0.95	95.5	84	150
FPM-180M30	37	50	64.0	60.8	58.6	96.3	0.95	117.8	84	170
FPM-180L30	45	60	77.7	73.8	71.2	96.4	0.95	143.3	86	200
FPM-200L30	55	75	94.9	90.2	86.9	96.5	0.95	175.1	89	259
FPM-200L30	75	100	129.3	122.8	118.4	96.6	0.95	238.8	91	285
FPM-225M30	90	120	155.0	147.2	141.9	96.7	0.95	286.5	91	350
FPM-250M30	110	150	189.4	179.9	173.4	96.7	0.95	350.2	92	460
FPM-250M30	132	180	227.3	215.9	208.1	96.7	0.95	420.2	92	490
FPM-280M30	160	220	275.5	261.7	252.3	96.7	0.95	509.3	92	720
FPM-315M30	200	270	344.4	327.2	315.3	96.7	0.95	636.7	92	1133
FPM-315L30	250	340	430.5	409.0	394.2	96.7	0.95	795.8	100	1225
FPM-315L30	315	430	542.4	515.3	496.7	96.7	0.95	1002.8	100	1260
FPM-355M30	355	480	611.3	580.7	559.7	96.7	0.95	1130.1	106	1460
FPM-355L30	400	550	688.8	654.3	630.7	96.7	0.95	1273.3	106	1490

► 永磁同步电机技术参数 / Technical Data - Permanent Magnet Motor-1000RPM-66.7Hz

电机型号 Model	额定功率 Rated Output		电 流 Input Current (AMP)			效 率 Efficiency	功率因素 Power Factor	额定转矩 Rated Torque	噪 声 Noise	重 量 Weight
	kW	HP	380V	400V	415V	50/75/100%	Cosφ	N.m	dB(A)	Kg
FPM-100L10	2.2	3	4.0	3.8	3.7	90.9	0.95	7.0	65	33
FPM-112M10	3	4	5.4	5.2	5.0	91.8	0.95	9.6	69	40
FPM-112M10	4	5.5	7.2	6.8	6.6	92.7	0.95	12.7	69	45
FPM-132S10	5.5	7.5	9.8	9.3	9.0	93.4	0.95	17.5	69	62
FPM-132M10	7.5	10	13.3	12.6	12.2	94	0.95	23.9	73	70
FPM-160M10	11	15	19.4	18.4	17.7	94.5	0.95	35.0	73	115
FPM-160L10	15	20	26.3	25.0	24.1	94.9	0.95	47.8	73	140
FPM-180M10	18.5	25	32.3	30.7	29.6	95.3	0.95	58.9	73	160
FPM-180L10	22	30	38.3	36.4	35.1	95.6	0.95	70.0	73	170
FPM-200L10	30	40	52.1	49.5	47.7	95.8	0.95	95.5	74	225
FPM-200L10	37	50	64.2	61.0	58.8	96	0.95	117.8	76	245
FPM-225M10	45	60	77.9	74.0	71.3	96.2	0.95	143.3	78	320
FPM-250M10	55	75	95.1	90.3	87.1	96.3	0.95	175.1	78	440
FPM-250M10	75	100	129.5	123.1	118.6	96.4	0.95	238.8	83	480
FPM-280S10	90	120	155.3	147.5	142.2	96.5	0.95	286.5	83	690
FPM-280M10	110	150	189.8	180.3	173.8	96.5	0.95	350.2	83	720
FPM-315S10	132	180	227.8	216.4	208.6	96.5	0.95	420.2	83	1180
FPM-315M10	160	220	276.1	262.3	252.8	96.5	0.95	509.3	85	1225
FPM-315L10	200	270	344.7	327.5	315.7	96.6	0.95	636.7	85	1265
FPM-355M10	250	340	430.5	409.0	394.2	96.7	0.95	795.8	85	1460
FPM-355L10	315	430	542.4	515.3	496.7	96.7	0.95	1002.8	96	1490
FPM-355L10	355	480	611.3	580.7	559.7	96.7	0.95	1130.1	96	1520

► 永磁同步电机技术参数 / Technical Data - Permanent Magnet Motor-1500RPM-100Hz

电机型号 Model	额定功率 Rated Output		电 流 Input Current (AMP)			效 率 Efficiency	功率因素 Power Factor	额定转矩 Rated Torque	噪 声 Noise	重 量 Weight
	kW	HP	380V	400V	415V	50/75/100%	Cosφ	N.m	dB(A)	Kg
FPM-100M15	2.2	3	4.1	3.9	3.7	89.7	0.95	7.0	64	30
FPM-100L15	3	4	5.5	5.3	5.1	90.3	0.95	9.6	64	34
FPM-100L15	4	5.5	7.3	7.0	6.7	90.9	0.95	12.7	65	40
FPM-112M15	5.5	7.5	9.9	9.4	9.1	92.1	0.95	17.5	71	45
FPM-132S15	7.5	10	13.5	12.8	12.3	92.6	0.95	23.9	71	62
FPM-132S15	11	15	19.6	18.6	17.9	93.6	0.95	35.0	73	70
FPM-132M15	15	20	26.6	25.2	24.3	94.0	0.95	47.8	73	100
FPM-160M15	18.5	25	32.7	31.0	29.9	94.3	0.95	58.9	76	114
FPM-160L15	22	30	38.7	36.7	35.4	94.7	0.95	70.0	76	150
FPM-180M15	30	40	52.6	50.0	48.1	95.0	0.95	95.5	76	170
FPM-180L15	37	50	64.6	61.4	59.2	95.3	0.95	117.8	78	200
FPM-200L15	45	60	78.4	74.5	71.8	95.6	0.95	143.3	78	245
FPM-200L15	55	75	95.6	90.8	87.5	95.8	0.95	175.1	79	280
FPM-225M15	75	100	130.1	123.6	119.1	96.0	0.95	238.8	80	350
FPM-250M15	90	120	155.8	148.0	142.6	96.2	0.95	286.5	80	480
FPM-280S15	110	150	190.2	180.7	174.2	96.3	0.95	350.2	88	690
FPM-280M15	132	180	228.0	216.6	208.8	96.4	0.95	420.2	88	720
FPM-280M15	160	220	275.8	262.0	252.5	96.6	0.95	509.3	88	750
FPM-315M15	200	270	344.4	327.2	315.3	96.7	0.95	636.7	88	1225
FPM-315L15	250	340	430.5	409.0	394.2	96.7	0.95	795.8	95	1290
FPM-355M15	315	430	542.4	515.3	496.7	96.7	0.95	1002.8	95	1460
FPM-355M15	355	480	611.3	580.7	559.7	96.7	0.95	1130.1	104	1490
FPM-355L15	400	550	688.8	654.3	630.7	96.7	0.95	1273.3	104	1520

► 永磁同步电机技术参数 / Technical Data - Permanent Magnet Motor-750RPM-50Hz

电机型号 Model	额定功率 Rated Output		电 流 Input Current (AMP)			效 率 Efficiency	功率因素 Power Factor	额定转矩 Rated Torque	噪 声 Noise	重 量 Weight
	kW	HP	380V	400V	415V	50/75/100%	Cosφ	N.m	dB(A)	Kg
FPM-100L7.5	1.5	2	3.0	2.8	2.7	84.5	0.95	4.8	61	33
FPM-112M7.5	2.2	3	4.3	4.1	3.9	85.3	0.95	7.0	64	40
FPM-112M7.5	3	4	5.8	5.5	5.3	86.1	0.95	9.6	64	45
FPM-132S7.5	4	5.5	7.6	7.2	7.0	87.6	0.95	12.7	68	62
FPM-132M7.5	5.5	7.5	10.4	9.8	9.5	88.4	0.95	17.5	68	70
FPM-160M7.5	7.5	10	14.0	13.3	12.9	88.9	0.95	23.9	68	115
FPM-160L7.5	11	15	20.1	19.1	18.5	90.9	0.95	35.0	70	140
FPM-180L7.5	15	20	27.3	25.9	25.0	91.6	0.95	47.8	73	160
FPM-180L7.5	18.5	25	33.2	31.6	30.4	92.7	0.95	58.9	73	170
FPM-200L7.5	22	30	39.3	37.3	36.0	93.3	0.95	70.0	73	225
FPM-225S7.5	30	40	53.4	50.7	48.9	93.6	0.95	95.5	75	300
FPM-225M7.5	37	50	65.6	62.3	60.1	93.9	0.95	117.8	76	320
FPM-250M7.5	45	60	79.5	75.6	72.8	94.2	0.95	143.3	76	440
FPM-250M7.5	55	75	96.9	92.1	88.7	94.5	0.95	175.1	82	480
FPM-280S7.5	75	100	131.9	125.3	120.7	94.7	0.95	238.8	82	690
FPM-280M7.5	90	120	158.2	150.3	144.9	94.7	0.95	286.5	82	720
FPM-315S7.5	110	150	193.4	183.7	177.1	94.7	0.95	350.2	82	1180
FPM-315S7.5	132	180	231.6	220.0	212.1	94.9	0.95	420.2	90	1225
FPM-315M7.5	160	220	280.1	266.1	256.5	95.1	0.95	509.3	90	1265
FPM-355M7.5	200	270	349.1	331.6	319.6	95.4	0.95	636.7	90	1460
FPM-355M7.5	250	340	436.3	414.5	399.5	95.4	0.95	795.8	95	1490
FPM-355L7.5	315	430	549.8	522.3	503.4	95.4	0.95	1002.8	98	1520
FPM-355L7.5	355	480	619.6	588.6	567.4	95.4	0.95	1130.1	98	1550

## YBX5系列隔爆型超高效率三相异步电动机

[ YBX5 series ultra-high efficiency flameproof three phase asynchronous motor ]



YBX5系列隔爆型超高效率三相异步电动机是采用新材料、新工艺和优化设计而制造的全封闭、自扇冷、鼠笼式三相异步电动机，新一代的节能产品。

YBX5系列电动机能效水平符合国标GB18613-2020的一级能效。达到国际标准IEC 60034的IE5效率，相比IE4效率平均提升1.5%左右。采用最新技术优化电机热能管理，全系列支持温度监测。配置丰富，可根据用户需求带定子轴承测温、加热及测振装置，同事采用优化的冷却系统和结构设计。采用大三圆，产品属于短粗结构，整体的结构刚度高。振动低、噪音低、温升裕量大、接线盒空间大，方便用户安装维护。

YBX5系列满足ExdIIBT4Gb、ExdIICT4Gb的防爆等级要求，满足IP55、IP56、IP66防护等级。

YBX5 series ultra-high efficiency flameproof three phase asynchronous motor adapts new materials, new technology and optimized design. As a new generation of energy-saving product, it is a totally enclosed, self-fan cooling and squirrel cage motor.

The energy efficiency level of YBX5 series motor meets the first level efficiency of the national standard GB18613-2020. IE5 efficiency meets the international standard IEC 60034, with an average improvement of about 1.5% compared to IE4 efficiency. Adopting the latest technology to optimize motor thermal energy management, the entire series supports temperature monitoring. Rich configuration, can be equipped with stator bearing temperature measurement, heating and vibration measurement devices according to user needs, and colleagues adopt optimized cooling system and structural design. Adopting a large three circle design, the product belongs to a short and thick structure with high overall structural rigidity. Low vibration, low noise, large temperature rise margin, large junction box space, convenient for users to install and maintain.

The YBX5 series meets the explosion-proof level requirements of ExdIIBT4Gb and ExdIICT4Gb, and meets the protection levels of IP55, IP56, and Ip66.

### ► 选型配置 / Options

环境温度：-15°C~40°C  
海拔：不超过1000米  
额定功率：0.75kW-315kW  
机座：H80-H355  
机座材质：铸铁  
额定电压：220V-1140V  
频率：50Hz/60Hz  
防护等级：IP54/IP55/IP56/IP65/IP66  
绝缘等级：F/H  
工作制：S1-S6

Ambient Temperature：-15°C~40°C  
Altitude：up to 1000 meters  
Rated Power：0.75kW-315kW  
Frame Size：H80-H355  
Frame Material：Cast Iron  
Rated Voltage：220V-1140V  
Rated Frequency：50Hz/60Hz  
Ingress Protection：IP54/IP55/IP56/IP65/IP66  
Insulation Class：F/H  
Work Duty：S1-S6

## YBX4 系列超高效率隔爆型三相异步电动机

YBX4 series superior efficiency flameproof three phase asynchronous motor



YBX4系列隔爆型超高效率三相异步电动机是采用新材料、新工艺和优化设计而制造的全封闭、自扇冷鼠笼三相异步电动机，新一代的节能产品。YBX4系列电机具有效率高，起动转矩大，噪声低，结构更加合理，冷却散热条件成熟等特点。本系列电机为一般用途的三相异步电动机，可用于驱动各种通用机械设备，如压缩机、风机、水泵等机械设备，也可应用在石油、化工、医药、矿山等领域。在YBX4基本系列电机基础上，可制成YBX4-W户外型、YBX4-TH户内湿热带型、YBX4-THW户外湿热带型、YBX4-TA户内干热带型、YBX4-TAW户外干热带型、YBX4-FI户内中等腐蚀型、YBX4-WFI户外中等腐蚀型、YBX4-F2户内强腐蚀型及YBX4-WF2户外强腐蚀型等衍生产品。该系列电机效率指标符合GB18613-2020《中小型三相异步电动机能效限定值及能效等级》中规定的能效2级的效率值，与IEC60034-30的IE4保持一致。YBX4系列电机防爆性能符合GB3836.1-2021《爆炸性环境第1部分：设备通用要求》和GB3836.2-2021《爆炸性环境第2部分：由隔爆外壳“d”保护的设 备》的规定，制成隔爆型。YBX4系列电机防爆标志分为：Ex db I AT4/BT4 Mb、Exdb II AT4/BT4/CT4 Gb，其中Ex db I AT4/BT4 Mb适用于有甲烷或煤尘爆炸性气体混合物存在的煤矿工作面环境；Ex db II AT4/BT4/CT4 Gb适用于工厂用 II 类A级、B级、C级，温度组别为T1、T2、T3、T4、和T5组的爆炸性气体混合物存在的环境。

YBX4 series superior efficiency flameproof three phase asynchronous motor adapts new materials, new technology and optimized design. As a new generation of energy-saving product, it is a totally enclosed, fan-cooling and squirrel cage motor. YBX4 series motors have the characteristics of high efficiency, high starting torque, low noise, better structure and mature cooling system. It is a general-purpose series, which can be used to drive different kinds of general equipment, such as compressors, fans, water pumps and so on. It can also be used in petroleum, chemical industry, medicine, mining and other fields. On the basis of YBX4 series motors, more derivative products can be accomplished, such as YBX4-W outdoor type, YBX4-TH indoor wet tropical type, YBX4-THW outdoor wet tropical type, YBX4-TA indoor dry tropical type, YBX4-TAW outdoor dry tropical type, YBX4-FI indoor medium corrosion type, YBX4-WFI outdoor medium corrosion type, YBX4-F2 indoor strong corrosion type and YBX4-WF2 outdoor strong corrosion type. The efficiency class is in accordance with Chinese national standard GB18613-2020 class II, as well as IEC60034-30 superior efficiency standard (IE4). YBX4 series motor has the flameproof performance meeting the regulations of GB3836.1-2021 <part 1: general requirement of electric equipment applied under explosive atmospheres> and GB3836.2-2010 <part 2: flameproof d of electric equipment applied under explosive atmospheres>, as well as IEC79-1. YBX4 series motor could marked as Ex db I AT4/BT4 Mb, Exd II AT4/BT4/CT4 Gb. Ex db I AT4/BT4 Mb are applied in the non-excavation working condition and coal mine with methane or coal dust, Ex db II AT4/BT4/CT4 Gb are applied in the condition of explosion-proof gas compound with Factory II type, Grade A & B & C, temperature T1, T2, T3, T4 and T5.

### ► 选型配置 / Options

环境温度：-15°C~40°C  
海拔：不超过1000米  
额定功率：0.12kW-355kW  
机座：H63-H355  
机座材质：铸铁  
额定电压：220V-1140V  
频率：50Hz/60Hz  
防护等级：IP54/IP55/IP56/IP65/IP66  
绝缘等级：F/H  
工作制：S1-S6

Ambient Temperature: -15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 0.12kW-355kW  
Frame Size: H63-H355  
Frame Material: Cast Iron  
Rated Voltage: 220V-1140V  
Rated Frequency: 50Hz/60Hz  
Ingress Protection: IP54/IP55/IP56/IP65/IP66  
Insulation Class: F/H  
Work Duty: S1-S6

## YBX3 系列超高效率隔爆型三相异步电动机

YBX3 series premium efficiency flameproof three phase asynchronous motor



YBX3 系列隔爆型三相异步电动机是我公司在参考行业统一设计基础上研制开发的全封闭、自扇冷、鼠笼式、隔爆型三相异步电动机的基本系列。效率执行GB18613-2020《中小型三相异步电动机能效限定值及能效等级》中的能效限定值标准,效率达到国家III级能效,且具有性能优良,使用安全可靠,振动、噪声比同类产品小的特点,符合环保要求。

YBX3系列电机防爆性能符合GB3836.1-2021《爆炸性环境第1部分:设备通用要求》和GB3836.2-2021《爆炸性环境第2部分:由隔爆外壳“d”保护的设备的》的规定,制成隔爆型。

YBX3系列电机防爆标志分为:Ex db I AT4/BT4 Mb、Ex db II AT4/BT4/CT4 Gb,其中Ex db I AT4/BT4 Mb适用于有甲烷或煤尘爆炸性气体混合物存在的煤矿工作面环境;Ex db II AT4/BT4/CT4 Gb适用于工厂用 II 类A级、B级、C级,温度组别为T1、T2、T3、T4、和T5组的爆炸性气体混合物存在的环境。

YBX3 series premium efficiency flameproof three phase asynchronous motor is totally enclosed, fan-cooling, squirrel cage type. The efficiency class is in accordance with Chinese national standard GB18613-2020 class III, as well as IEC60034-30 high efficiency standard (IE3). It has high operational safety, excellent performance, low noise and vibration and meets the need of environment protection.

YBX3 series motor has the flameproof performance meeting the regulations of GB3836.1-2021 <part 1: general requirement of electric equipment applied under explosive atmospheres> and GB3836.2-2021 <part 2: flameproof d of electric equipment applied under explosive atmospheres>, as well as IEC79-1.

YBX3 series motor could be marked as Ex db I AT4/BT4 Mb, Ex db II AT4/BT4/CT4 Gb. Ex db I AT4/BT4 Mb are applied in the non-excavation working condition and coal mine with methane or coal dust, Ex db II AT4/BT4/CT4 Gb are applied in the condition of explosion-proof gas compound with Factory II type, Grade A & B & C, temperature T1, T2, T3, T4 and T5.

### ► 选型配置 / Options

环境温度: -15°C~40°C

海拔: 不超过1000米

额定功率: 0.12kW-355kW

机座: H63-H355

机座材质: 铸铁

额定电压: 220V-1140V

频率: 50Hz/60Hz

防护等级: IP54/IP55/IP56/IP65/IP66

绝缘等级: F/H

工作制: S1-S6

Ambient Temperature: -15°C~40°C

Altitude: up to 1000 meters

Rated Power: 0.12kW-355kW

Frame Size: H63-H355

Frame Material: Cast Iron

Rated Voltage: 220V-1140V

Rated Frequency: 50Hz/60Hz

Ingress Protection: IP54/IP55/IP56/IP65/IP66

Insulation Class: F/H

Work Duty: S1-S6

## YBF3系列风机用隔爆型三相异步电动机

[ YBF3 series flameproof three phase asynchronous motor for fan ]



YBF3系列风机用隔爆型三相异步电动机是为配套隔爆型通风机而设计制造，主要为煤矿、石油、化工等需要防爆的行业提供先进、安全、可靠的通风动力设备。该电机具有安全性高、运行可靠、体积小、噪音低等优点。

YBF3系列电机防爆性能符合GB3836.1-2021《爆炸性气体环境用电气设备第1部分：通用要求》和GB3836.2-2021《爆炸性气体环境用电气设备第2部分：隔爆型“d”》的规定，亦符合IEC60079-0、IEC60079-1的规定。电机的安装方式、安装尺寸、技术参数与要求等符合JB/T7565.5-2015《隔爆型三相异步电动机技术条件 第5部分：YBF3系列风机用隔爆型三相异步电动机（机座号63~355）》的规定。

YBF3系列电机防爆标志分为：Ex db I AT4/BT4 Mb、Ex db II AT4/BT4 Gb，其中Ex db I AT4/BT4 Mb适用于有甲烷或煤尘爆炸性气体混合物存在的煤矿工作面环境；Ex db II AT4/BT4 Gb适用于工厂用类A级、B级，温度组别为T1、T2、T3、T4、和T5组的爆炸性气体混合物存在的环境。

YBF3 series flameproof three phase asynchronous motor for fan is specially designed for flameproof fan, which mainly used at places such as coal mines, petrochemical industry and chemical industry, where the atmosphere may contain flammable gases. YBF3 series motors have the features of high efficiency, safety and reliable, low noise etc.

The flameproof performance of YBF3 series motors is comply with Chinese National Standard GB3836.1-2021 <Explosive Atmospheres-Part 1: Electrical Equipment-General requirements>, and GB3836.2-2021 <Explosive Atmospheres-Part 2: Electrical equipment protection by flameproof enclosures 'd'>, also comply with IEC 60079-0 & IEC 60079-1.

We supply YBF3 series motors with Ex marking Ex db I AT4/BT4 Mb, Ex db II AT4/BT4 Gb, Ex db I AT4/BT4 Mb are intended for mines where the atmosphere, in addition to firedamp, may contain significant proportions of other flammable gases; While Ex db II AT4/BT4 Gb are intended for use in places with an explosive gas atmosphere other than mines susceptible to firedamp. A denotes a typical gas is propane, B means a typical gas is ethylene, and the atmosphere temperature is T1, T2, T3, T4 and T5.

### ► YBF3选型配置 / Options

环境温度：-15°C~40°C  
海拔：不超过1000米  
额定功率：0.18kW-355kW  
机座：H80-H355  
机座材质：铸铁  
额定电压：220V-1140V  
频率：50Hz/60Hz  
防护等级：IP54/IP55/IP56/IP65/IP66  
绝缘等级：F/H  
工作制：S1-S6

Ambient Temperature：-15°C~40°C  
Altitude：up to 1000 meters  
Rated Power：0.18kW-355kW  
Frame Size：H80-H355  
Frame Material：Cast Iron  
Rated Voltage：220V-1140V  
Rated Frequency：50Hz/60Hz  
Ingress Protection：IP54/IP55/IP56/IP65/IP66  
Insulation Class：F/H  
Work Duty：S1-S6

### ► YBF3 B30 选型配置 / Options

环境温度：-15°C~40°C  
海拔：不超过1000米  
额定功率：0.12kW-2.2kW  
机座：H63-H355  
机座材质：铸铁  
额定电压：220V-1140V  
频率：50Hz/60Hz  
防护等级：IP54/IP55/IP56/IP65/IP66  
绝缘等级：F/H  
工作制：S1-S6

Ambient Temperature：-15°C~40°C  
Altitude：up to 1000 meters  
Rated Power：0.12kW-2.2kW  
Frame Size：H63-H355  
Frame Material：Cast Iron  
Rated Voltage：220V-1140V  
Rated Frequency：50Hz/60Hz  
Ingress Protection：IP54/IP55/IP56/IP65/IP66  
Insulation Class：F/H  
Work Duty：S1-S6

## FL-U/YE5 系列三相异步电动机

FL-U/YE5 series ultra-high efficiency  
three phase asynchronous motor



FL-U/YE5系列三相异步电动机是我公司在行业YE5基础上采用新材料、新工艺和优化设计而制造的全封闭、自扇冷鼠笼式三相异步电动机，是新一代节能电机。

FL-U/YE5系列三相异步电动机具有效率高，起动转矩大，噪声低，结构更合理，冷却散热条件成熟，本系列电动机为一般用途的三相异步电动机，可用于驱动各种通用机械设备，如压缩机、风机、水泵等机械设备，也可在石油、化工、医药、矿山等场合使用。

该系列电动机效率指标符合GB18613-2020《中小型三相异步电动机能效限定值及能效等级》中规定的I级能效，等同于国际电工委员会IE5能效标准。

FL-U/YE5 series ultra-high efficiency three phase asynchronous motor is a kind of totally enclosed fan-cooled squirrel-cage induction motor. The efficiency class of FL-U/YE5 series motors are in accordance with Chinese National standard GB 18613-2020 class I, as well as IEC 60034-30 ultra-high efficiency standard (IE5).

FL-U/YE5 series motors have lots of futures such as better premium efficiency and energy saving than IE4 series, excellent performance, low noise and vibration, high reliability, easy operation and etc. Moreover, FL-U/YE5 series motors have the same dimensions and output power with IE4 series, therefore it could replace IE4/IE3/IE2/IE1 series directly that achieves the purpose of energy saving. Motors could be equipped with oil changing device without stopping, and reserved the space of thermistor and damp proofed heating tape for the users to choose.

### ▶ 选型配置 / Options

环境温度：-15°C~40°C  
海拔：不超过1000米  
额定功率：0.55kW-1000kW  
机座：H80-H450  
机座材质：铸铁  
额定电压：220V-1140V  
频率：50Hz/60Hz  
防护等级：IP54/IP55/IP56/IP65/IP66  
绝缘等级：F/H/C  
工作制：S1-S6

Ambient Temperature: -15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 0.55kW-1000kW  
Frame Size: H80-H450  
Frame Material: Cast Iron  
Rated Voltage: 220V-1140V  
Rated Frequency: 50Hz/60Hz  
Ingress Protection: IP54/IP55/IP56/IP65/IP66  
Insulation Class: F/H/C  
Work Duty: S1-S6

## FL-S/YE4 系列超高效率三相异步电动机

FL-S/YE4 series superior efficiency three phase asynchronous motor



FL-S/YE4系列三相异步电动机是我公司在行业YE4基础上采用新材料、新工艺和优化设计而制造的全封闭、自扇冷却鼠笼式三相异步电动机，是新一代节能电机。

FL-S/YE4系列三相异步电动机具有效率高，起动转矩大，噪声低，结构更合理，冷却散热条件成熟，本系列电动机为一般用途的三相异步电动机，可用于驱动各种通用机械设备，如压缩机、风机、水泵等机械设备，也可在石油、化工、医药、矿山等场合使用。

该系列电动机效率指标符合GB18613-2020《中小型三相异步电动机能效限定值及能效等级》中规定的II级能效，等同于国际电工委员会IE4能效标准。

FL-S/YE4 series superior efficiency three phase asynchronous motor is a kind of totally enclosed fan-cooled squirrel-cage induction motor. The efficiency class of FL-S series motors are in accordance with Chinese National standard GB 18613-2020 class II, as well as IEC 60034-30 supreme efficiency standard (IE4).

FL-S/YE4 series motors have lots of futures such as better premium efficiency and energy saving than IE3 series, excellent performance, low noise and vibration, high reliability, easy operation and etc. Moreover, FL-S/YE4 series motors have the same dimensions and output power with IE3 series, therefore it could replace IE3/IE2/IE1 series directly that achieves the purpose of energy saving. Motors could be equipped with oil changing device without stopping, and reserved the space of thermistor and damp proofed heating tape for the users to choose.

### ▶ 选型配置 / Options

环境温度：-15°C~40°C  
海拔：不超过1000米  
额定功率：0.55kW-1000kW  
机座：H80-H450  
机座材质：铸铁  
额定电压：220V-1140V  
频率：50Hz/60Hz  
防护等级：IP54/IP55/IP56/IP65/IP66  
绝缘等级：F/H/C  
工作制：S1-S6

Ambient Temperature: -15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 0.55kW-1000kW  
Frame Size: H80-H450  
Frame Material: Cast Iron  
Rated Voltage: 220V-1140V  
Rated Frequency: 50Hz/60Hz  
Ingress Protection: IP54/IP55/IP56/IP65/IP66  
Insulation Class: F/H/C  
Work Duty: S1-S6

## FL/YE3 系列三相异步电动机

[ FL/YE3 series premium efficiency three phase asynchronous motor ]



FL/YE3系列是本公司依据GB/T28575-2020最新开发的全封闭自扇风冷式鼠笼型超高效率三相异步电动机，并且公司已经取得超高效率节能认证。该系列电动机的效率指标达到中国GB18613-2020《中小型三相异步电动机能效限定值及能效等级》中的III级能效等级，符合IEC60034-30中的能效等级中的IE3，和目前国际最先进的美国NEMA超高效电机处于同一水平。

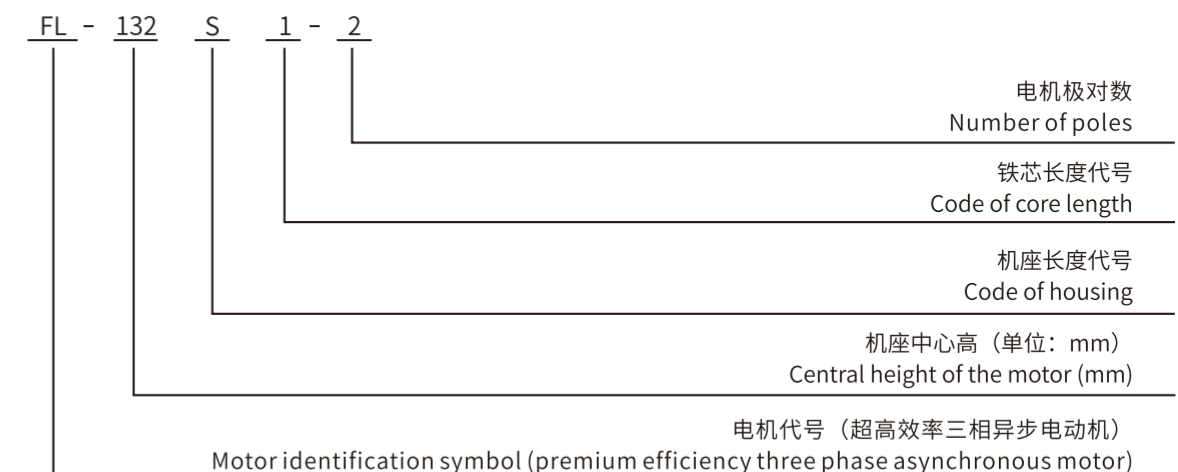
相对YE2系列，FL系列超高效率电动机更加节能，低碳和环保。安装尺寸、功率等级和普通电机完全相同，符合国际电工委员会IEC60072-1标准，可直接替换从而达到节能、节电的目的，便于市场推广。电机可配装不停机注排油装置，并预留有安装热敏电阻和防潮加热带的空间，方便用户选用。

FL/YE3 series premium efficiency three phase asynchronous motor is a kind of totally enclosed fan-cooled squirrel-cage induction motor. The efficiency class of FL series motors are in accordance with Chinese National standard GB 18613-2020 class III, as well as IEC 60034-30 Premium Efficiency standard (IE3).

FL/YE3 series motors have lots of futures such as better premium efficiency and energy saving than IE2 series, excellent performance, low noise and vibration, high reliability, easy operation and etc. Moreover, FL series motors have the same dimensions and output power with IE2 series, which follows IEC60072-1, therefore FL series could replace IE2 series directly that achieves the purpose of energy saving. Motors could be equipped with oil changing device without stopping, and reserved the space of thermistor and heater for end users.

### ▶ 代号说明 / Designation

电机型号释义 / Explanation of type designation



安装方式(Mounting Arrangements): IMB3、IMB5、IMB6、IMB7、IMB8、IMB14、IMB34、IMB35、IMV1、IMV3、IMV5、IMV6、IMV15、IMV17、IMV18、IMV19、IMV35、IMV37。

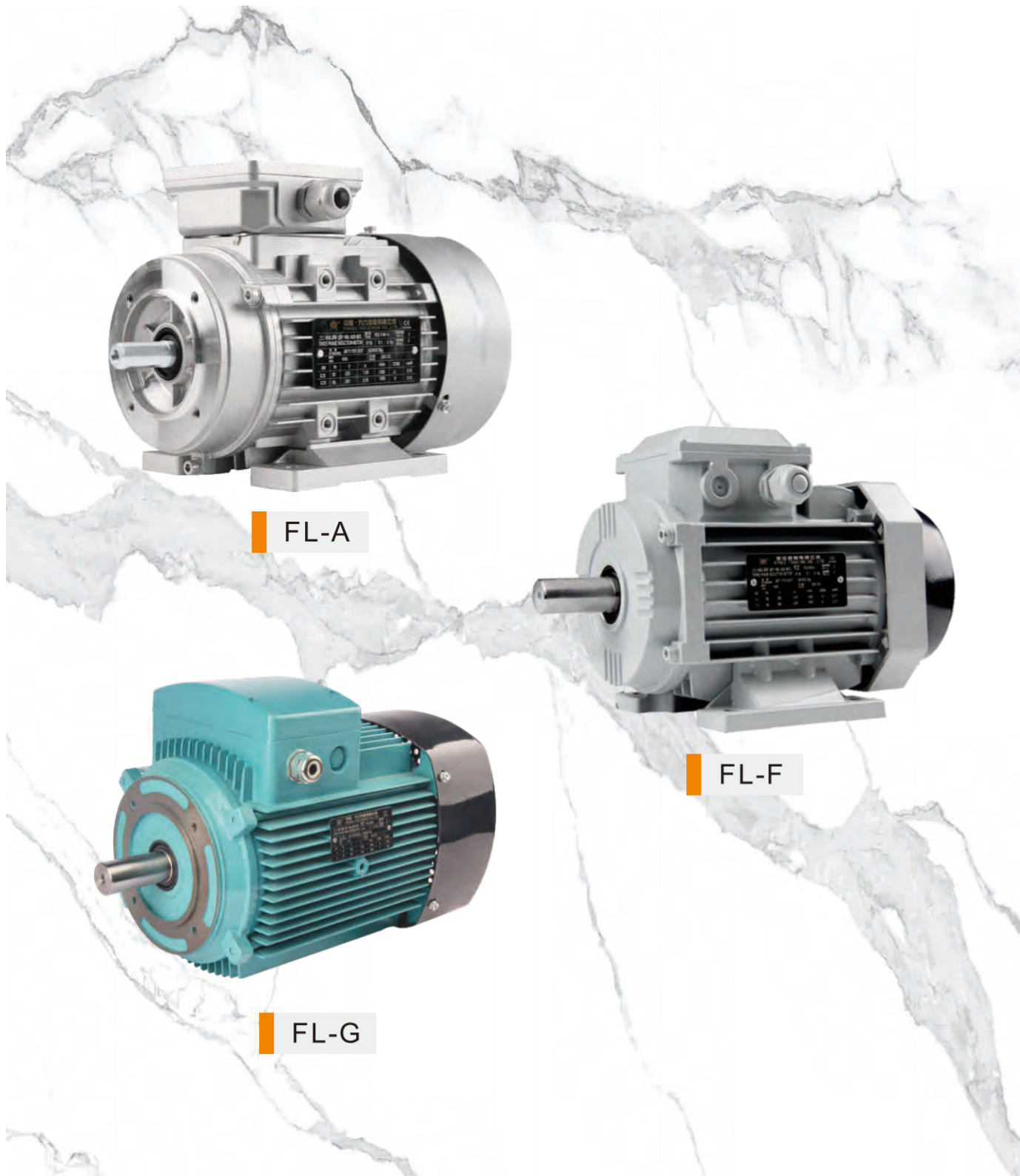
### ▶ 选型配置 / Options

环境温度: -15°C~40°C  
海拔: 不超过1000米  
额定功率: 0.55kW-1000kW  
机座: H80-H450  
机座材质: 铸铁  
额定电压: 220V-1140V  
频率: 50Hz/60Hz  
防护等级: IP54/IP55/IP56/IP65/IP66  
绝缘等级: F/H/C  
工作制: S1-S6

Ambient Temperature: -15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 0.55kW-1000kW  
Frame Size: H80-H450  
Frame Material: Cast Iron  
Rated Voltage: 220V-1140V  
Rated Frequency: 50Hz/60Hz  
Ingress Protection: IP54/IP55/IP56/IP65/IP66  
Insulation Class: F/H/C  
Work Duty: S1-S6

## FL-A/FL-F/FL-G系列铝壳三相异步电动机

FL-A/FL-F/FL-G series aluminium-housing three phase asynchronous motor



FL-A

FL-F

FL-G

FL-A/FL-F/FL-G系列铝壳三相异步电动机是YE3系列三相异步电动机的改进型产品,为一般用途三相异步电动机,该电动机采用了铝合金压铸机座、端盖、接线盒、以及可拆卸式底脚,其安装尺寸与功率等级和YE3系列电机保持一致。

FL-A/FL-F/FL-G系列铝壳三相异步电动机秉承YE3系列电机的所有优点:启动转矩大、噪音低、结构合理、运行可靠、安装使用方便;同时具有更加光洁的外观、更好的散热性能以及更轻的重量。

FL-A/FL-F/FL-G系列铝壳三相异步电动机使用条件同YE3系列电机,其能效符合国际电工委员会IE3能效标准。

FL-A/FL-F/FL-G series aluminium-housing three phase asynchronous motors are developed from IE2/IE1 series three phase asynchronous motors, since aluminum-alloy material has been introduced into its housing, end shield, terminal box and removable feet. Motor has wonderful appearance and smooth surface. Despite that, dimensions and output power of FL-A/FL-F/FL-G series aluminium-housing motors are the same as those of IE3/IE2/IE1 series three phase asynchronous motors.

FL-A/FL-F/FL-G series aluminium-housing motors have lots of futures such as high efficiency and energy saving, large starting torque, excellent performance, low noise and vibration, compact structure, high reliability, easy operation and etc.

Operating conditions of FL-A/FL-F/FL-G series aluminium-housing motors are identical with IE3 series motors, while efficiency class are in line with Chinese National standard GB 18613-2020 class III. Simultaneously, we supply IE3/IE2/IE1 series aluminium-housing motors in conformity with IEC standard for customers.

### ▶ 选型配置 / Options

环境温度: -15°C~40°C  
海拔: 不超过1000米  
额定功率: 0.06kW-18.5kW  
机座: H56-H160  
机座材质: 铸铝  
额定电压: 220V-1140V  
频率: 50Hz/60Hz  
防护等级: IP54/IP55/IP56/IP65/IP66  
绝缘等级: F  
工作制: S1-S6

Ambient Temperature: -15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 0.06kW-18.5kW  
Frame Size: H56-H160  
Frame Material: Aluminium  
Rated Voltage: 220V-1140V  
Rated Frequency: 50Hz/60Hz  
Ingress Protection: IP54/IP55/IP56/IP65/IP66  
Insulation Class: F  
Work Duty: S1-S6

## FL-K 系列空压机专用 (IP54) 三相异步电动机

FL-K series three phase asynchronous motor for screw compressor



FL-K系列空压机专用 (IP54) 三相异步电动机是专为螺杆压缩机配套而设计制造的, 机座为高强度铸铁机座, 接线盒位置分机座顶部或侧部两种。服务系数为SF1.15-SF1.35, 绝缘等级F级, 在额定负载时温升按80K考核。在服务系数负载时, 温升按99K考核, 轴承温度应不超过95°C。FL-K系列三相异步电动机采用特殊轴承配置, 确保轴承能长期稳定工作, 考虑电动机的电缆直接和压缩机的电控箱连接, 可以为客户做加长引出线的配置, 采用电缆护套保护管, 两端配有电缆接头。

主要技术特点如下:

1. 启动转矩大, 过载能力强;
2. 振动小, 该电机采用二次高精度的转子动平衡;
3. 效率高, 节能效果好;
4. 性能稳定, 适用于压缩机长期连续工作。

FL-K series three phase asynchronous motors are designed for screw compressors, and the housing is made of high strength cast iron. Terminal box position could be on the top or the side. Service factor could be 1.15~1.35. Temperature rise should be tested according to 80K at a rated load, the motor temperature examined by 99K and the bearing temperature should not exceed 95°C. To ensure long-term and stable operation, FL-K series three phase asynchronous motors adopt special bearings. Meanwhile, considering the cables of motor are directly connected with electric control panel of compressors, customized length of extended cables are acceptable. Cables are coming with protection pipes and glands at both ends.

The main technical features are as follows:

1. Large starting torque, high overload capacity.
2. Low vibration, two time high-precision dynamic balance;
3. High efficiency, perfect energy saving;
4. Stable performance, suitable for long-term and continuous operation of compressors.

### 选型配置 / Options

环境温度: -15°C~40°C  
海拔: 不超过1000米  
额定功率: 0.75kW-355kW  
机座: H80-H355  
机座材质: 铸铁  
额定电压: 220V-1140V  
频率: 50Hz/60Hz  
防护等级: IP54/IP55/IP56/IP65/IP66  
绝缘等级: F  
工作制: S1-S6

Ambient Temperature: -15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 0.75kW-355kW  
Frame Size: H80-H355  
Frame Material: Cast Iron  
Rated Voltage: 220V-1140V  
Rated Frequency: 50Hz/60Hz  
Ingress Protection: IP54/IP55/IP56/IP65/IP66  
Insulation Class: F  
Work Duty: S1-S6

## FL-Y 系列空压机专用(IP23)三相异步电动机

FL-Y series three phase asynchronous motor for screw compressor



FL-Y系列(IP23)三相异步电动机是防护型自扇冷式鼠笼型转子三相异步电动机,具有高效、节能、起动转矩大、噪声低、振动小、可靠性高等特点,其功率等级及安装尺寸完全符合JB/T5271-2010标准。

FL-Y系列(IP23)三相异步电动机绝缘等级为F级,防护等级为IP23,冷却方式为IC01,连续工作制(S1)。电动机的主要结构及安装型式为IMB35。

FL-Y系列(IP23)三相异步电动机为非一般用途的电动机,适用于不含易燃、易爆、腐蚀气体和较为清洁的场所,用于驱动无特殊性能要求的各种机械设备,如机床、水泵、风机、压缩机、运输机、搅拌机、农业机械、矿山机械等。

FL-Y Series (IP23) three phase asynchronous motor is a kind of totally enclosed fan-cooled squirrel-cage induction motor. It has lots of advantages including high efficiency, energy saving, large starting torque, high reliability, low noise and low vibration etc. FL-Y series (IP23) motors with insulation class F are designed for general use under clean working conditions. FL-Y series (IP23) motors are widely used as drive mechanism of various machineries with special requirement, such as machine tools, pumps, fans, compressors, transportation system, concrete mixers, agricultural mechanism, and mineral equipment etc.

### ► 选型配置 / Options

环境温度: -15°C~40°C  
海拔: 不超过1000米  
额定功率: 7.5kW-400kW  
机座: H132-H355  
机座材质: 铸铁  
额定电压: 220V-1140V  
频率: 50Hz/60Hz  
防护等级: IP23  
绝缘等级: F  
工作制: S1-S6

Ambient Temperature: -15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 7.5kW-400kW  
Frame Size: H132-H355  
Frame Material: Cast Iron  
Rated Voltage: 220V-1140V  
Rated Frequency: 50Hz/60Hz  
Ingress Protection: IP23  
Insulation Class: F  
Work Duty: S1-S6

## FL-Z 系列直联减速机专用三相异步电动机

FL-Z series three phase asynchronous motors for gear box



FL-Z系列直联减速机用三相异步电动机是我公司自主开发设计的新型直联减速机专用三相异步电动机,具有起动转矩大、噪声低、振动小、可靠性高等特点,其安装尺寸、功率等级符合国际电工委员会IEC60072-1标准。FL-Z系列直联减速机用三相异步电动机适用于减速机四大系列:R系列,K系列,F系列,S系列,同时可定制不同尺寸的法兰接口与输出轴,以及铸铁和铸铝两种不同的铸件材质。

FL-Z series three phase asynchronous motors are designed for gear boxes, including R series, K series, F series and S series. It has a lot of advantages such as large starting torque, excellent performance, low noise, low vibration, high reliability, easy operation and etc. Its installation size and power comply with IEC60072-1. Flange and shaft dimensions could be customized, meanwhile, flange casting materials have two options, cast iron and aluminium.

### ▶ 选型配置 / Options

环境温度: -15°C~40°C  
海拔: 不超过1000米  
额定功率: 0.12kW-200kW  
机座: H63-H315  
机座材质: H63-H160铸铝/H71-H315铸铁  
额定电压: 220V-1140V  
频率: 50Hz/60Hz  
防护等级: IP54/IP55/IP56/IP65/IP66  
绝缘等级: F  
工作制: S1-S6

Ambient Temperature: -15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 0.18kW-355kW  
Frame Size: H71-H355  
Frame Material: H63-H160Aluminium/H71-H315Cast Iron  
Rated Voltage: 220V-1140V  
Rated Frequency: 50Hz/60Hz  
Ingress Protection: IP54/IP55/IP56/IP65/IP66  
Insulation Class: F  
Work Duty: S1-S6

► IE1系列电机技术参数 / Technical Data - IE1 Motor - 2 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩	最大转矩	堵转电流	噪声 Noise	重量 Weight
			转速 Speed	电流 Input Current (A)			效率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE1-63M1-2	0.18	0.25	2780	0.65	0.62	0.59	51.7	52.8	52.8	0.80	0.62	2.2	2.3	5.0	61	9
IE1-63M2-2	0.25	0.37	2780	0.81	0.77	0.74	57.0	58.2	58.2	0.81	0.86	2.2	2.3	5.0	61	10
IE1-71M1-2	0.37	0.5	2800	1.09	1.03	0.99	62.6	63.9	63.9	0.81	1.26	2.2	2.3	5.5	64	12
IE1-71M2-2	0.55	0.75	2800	1.46	1.39	1.34	67.6	69.0	69.0	0.83	1.88	2.2	2.3	5.5	64	13
IE1-80M1-2	0.75	1	2825	1.90	1.81	1.74	70.7	72.1	72.1	0.83	2.54	2.2	2.3	6.1	67	15
IE1-80M2-2	1.1	1.5	2825	2.65	2.52	2.43	73.5	75.0	75.0	0.84	3.72	2.2	2.3	7.0	67	16.5
IE1-90S-2	1.5	2	2840	3.51	3.34	3.22	75.7	77.2	77.2	0.84	5.04	2.2	2.3	7.0	72	20
IE1-90L-2	2.2	3	2840	4.93	4.69	4.52	78.1	79.7	79.7	0.85	7.4	2.2	2.3	7.0	72	24
IE1-100L-2	3	4	2870	6.43	6.11	5.89	79.9	81.5	81.5	0.87	9.98	2.2	2.3	7.5	76	31
IE1-112M-2	4	5.5	2880	8.31	7.90	7.61	81.4	83.1	83.1	0.88	13.3	2.2	2.3	7.5	77	38
IE1-132S1-2	5.5	7.5	2900	11.2	10.7	10.3	83.0	84.7	84.7	0.88	18.1	2.2	2.3	7.5	80	58
IE1-132S2-2	7.5	10	2900	15.1	14.3	13.8	84.3	86.0	86.0	0.88	24.7	2.2	2.3	7.5	80	62
IE1-160M1-2	11	15	2930	21.4	20.4	19.6	85.8	87.6	87.6	0.89	35.9	2.2	2.3	7.5	86	103
IE1-160M2-2	15	20	2930	28.9	27.4	26.4	86.9	88.7	88.7	0.89	48.9	2.2	2.3	7.5	86	112
IE1-160L-2	18.5	25	2930	35.0	33.2	32.0	87.5	89.3	89.3	0.90	60.3	2.2	2.3	7.5	86	135
IE1-180M-2	22	30	2940	41.3	39.2	37.8	88.1	89.9	89.9	0.90	71.5	2.0	2.3	7.5	89	165
IE1-200L1-2	30	40	2950	55.8	53.0	51.1	88.9	90.7	90.7	0.90	97.1	2.0	2.3	7.5	92	215
IE1-200L2-2	37	50	2950	68.5	65.1	62.7	89.4	91.2	91.2	0.90	119.8	2.0	2.3	7.5	92	232
IE1-225M-2	45	60	2960	82.8	78.7	75.9	89.9	91.7	91.7	0.90	145.2	2.0	2.3	7.5	92	285
IE1-250M-2	55	75	2965	100.8	95.8	92.3	90.3	92.1	92.1	0.90	177.2	2.0	2.3	7.5	93	375
IE1-280S-2	75	100	2970	136.6	129.8	125.1	90.8	92.7	92.7	0.90	241.2	2.0	2.3	7.5	94	500
IE1-280M-2	90	120	2970	161.6	153.5	148.0	91.1	93.0	93.0	0.91	289.4	2.0	2.3	7.5	94	550
IE1-315S-2	110	150	2975	196.9	187.0	180.2	91.4	93.3	93.3	0.91	353.1	1.8	2.2	7.1	96	860
IE1-315M-2	132	180	2975	235.7	223.9	215.8	91.6	93.5	93.5	0.91	423.7	1.8	2.2	7.1	96	960
IE1-315L1-2	160	220	2975	281.7	267.6	257.9	91.9	93.8	93.8	0.92	513.6	1.8	2.2	7.1	99	1020
IE1-315L2-2	200	270	2975	351.4	333.8	321.7	92.1	94.0	94.0	0.92	642.0	1.8	2.2	7.1	99	1080
IE1-355M-2	250	340	2980	439.2	417.3	402.2	92.1	94.0	94.0	0.92	801.2	1.6	2.2	7.1	103	1700
IE1-355L-2	315	430	2980	553.4	525.8	506.8	92.1	94.0	94.0	0.92	1009.5	1.6	2.2	7.1	103	1850
IE1-4001-2	355	480	2980	623.7	592.5	571.1	92.1	94.0	94.0	0.92	1137.7	1.3	2.0	6.5	106	2850
IE1-4002-2	400	550	2980	702.8	667.6	643.5	92.1	94.0	94.0	0.92	1281.9	1.3	2.0	6.5	106	3000
IE1-4003-2	450	600	2980	790.6	751.1	723.9	92.1	94.0	94.0	0.92	1442.1	1.3	2.0	6.5	109	3150
IE1-4004-2	500	680	2980	878.5	834.5	804.4	92.1	94.0	94.0	0.92	1602.3	1.3	2.0	6.5	109	3300
IE1-4005-2	560	760	2980	983.9	934.7	900.9	92.1	94.0	94.0	0.92	1794.6	1.3	2.0	6.5	109	3450
IE1-4006-2	630	840	2980	1106.9	1051.5	1013.5	92.1	94.0	94.0	0.92	2019.0	1.3	2.0	6.5	109	3600
IE1-4501-2	710	965	2980	1247.4	1185.0	1142.2	92.1	94.0	94.0	0.92	2275.3	1.3	2.0	6.5	109	3500
IE1-4502-2	800	1090	2980	1405.5	1335.3	1287.0	92.1	94.0	94.0	0.92	2563.8	1.3	2.0	6.5	109	3650
IE1-4503-2	900	1225	2980	1581.2	1502.2	1447.9	92.1	94.0	94.0	0.92	2884.2	1.3	2.0	6.5	109	3800
IE1-4504-2	1000	1360	2980	1756.9	1669.1	1608.7	92.1	94.0	94.0	0.92	3204.7	1.3	2.0	6.5	109	3900

► IE1系列电机技术参数 / Technical Data - IE1 Motor - 4 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩	最大转矩	堵转电流	噪声 Noise	重量 Weight
			转速 Speed	电流 Input Current (A)			效率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE1-63M1-4	0.12	0.18	1350	0.51	0.48	0.46	49.0	50.0	50.0	0.72	0.85	2.0	2.2	4.0	52	8
IE1-63M2-4	0.18	0.25	1350	0.66	0.62	0.60	55.9	57.0	57.0	0.73	1.27	2.0	2.2	4.0	52	9
IE1-71M1-4	0.25	0.37	1380	0.83	0.79	0.76	60.3	61.5	61.5	0.74	1.73	2.0	2.2	4.0	55	10
IE1-71M2-4	0.37	0.50	1380	1.14	1.08	1.04	64.7	66.0	66.0	0.75	2.56	2.0	2.2	4.0	55	12
IE1-80M1-4	0.55	0.75	1390	1.59	1.51	1.46	68.6	70.0	70.0	0.75	3.78	2.4	2.3	5.2	58	14.5
IE1-80M2-4	0.75	1.00	1390	2.08	1.98	1.90	70.7	72.1	72.1	0.76	5.15	2.3	2.3	6.0	58	15
IE1-90S-4	1.1	1.5	1400	2.89	2.75	2.65	73.5	75.0	75.0	0.77	7.5	2.3	2.3	6.0	61	19
IE1-90L-4	1.5	2	1400	3.74	3.55	3.42	75.7	77.2	77.2	0.79	10.2	2.3	2.3	6.0	61	23
IE1-100L1-4	2.2	3	1420	5.18	4.92	4.74	78.1	79.7	79.7	0.81	14.8	2.3	2.3	7.0	64	30
IE1-100L2-4	3	4	1420	6.82	6.48	6.25	79.9	81.5	81.5	0.82	20.2	2.3	2.3	7.0	64	33
IE1-112M-4	4	5.5	1440	8.92	8.47	8.17	81.4	83.1	83.1	0.82	26.5	2.3	2.3	7.0	65	43
IE1-132S-4	5.5	7.5	1440	11.9	11.3	10.9	83.0	84.7	84.7	0.83	36.5	2.3	2.3	7.0	71	60
IE1-132M-4	7.5	10.0	1440	15.8	15.0	14.4	84.3	86.0	86.0	0.84	49.7	2.3	2.3	7.0	71	69
IE1-160M-4	11	15	1460	22.7	21.6	20.8	85.8	87.6	87.6	0.84	72.0	2.2	2.3	7.0	75	107
IE1-160L-4	15	20	1460	30.2	28.7	27.7	86.9	88.7	88.7	0.85	98.1	2.2	2.3	7.5	75	130
IE1-180M-4	18.5	25	1465	36.6	34.8	33.5	87.5	89.3	89.3	0.86	120.6	2.2	2.3	7.5	76	162
IE1-180L-4	22	30	1465	43.2	41.1	39.6	88.1	89.9	89.9	0.86	143.4	2.2	2.3	7.5	76	175
IE1-200L-4	30	40	1470	58.4	55.5	53.5	88.9	90.7	90.7	0.86	194.9	2.2	2.3	7.2	79	227
IE1-225S-4	37	50	1475	70.9	67.3	64.9	89.4	91.2	91.2	0.87	239.6	2.2	2.3	7.2	81	282
IE1-225M-4	45	60	1475	85.7	81.4	78.5	89.9	91.7	91.7	0.87	291.4	2.2	2.3	7.2	81	315
IE1-250M-4	55	75	1475	104.3	99.1	95.5	90.3	92.1	92.1	0.87	356.1	2.2	2.3	7.2	83	390
IE1-280S-4	75	100	1480	141.3	134.2	129.4	90.8	92.7	92.7	0.87	484.0	2.2	2.3	7.2	86	525
IE1-280M-4	90	120	1480	169.0	160.6	154.8	91.1	93.0	93.0	0.87	580.7	2.2	2.3	7.2	86	590
IE1-315S-4	110	150	1480	203.6	193.4	186.4	91.4	93.3	93.3	0.88	709.8	2.1	2.2	6.9	93	900
IE1-315M-4	132	180	1480	243.8	231.6	223.2	91.6	93.5	93.5	0.88	851.8	2.1	2.2	6.9	93	1000
IE1-315L1-4	160	220	1480	291.2	276.6	266.6	91.9	93.8	93.8	0.89	1032.4	2.1	2.2	6.9	97	1070
IE1-315L2-4	200	270	1480	363.2	345.1	332.6	92.1	94.0	94.0	0.89	1290.5	2.1	2.2	6.9	97	1140
IE1-355M-4	250	340	1490	449.0	426.5	411.1	92.1	94.0	94.0	0.90	1602.3	2.1	2.2	6.9	101	1760
IE1-355L-4	315	430	1490	565.7	537.4	518.0	92.1	94.0	94.0	0.90	2019.0	2.1	2.2	6.9	101	1920
IE1-4001-4	355	480	1490	637.6	605.7	583.8	92.1	94.0	94.0	0.90	2275.3	1.6	2.0	6.5	104	2880
IE1-4002-4	400	550	1490	718.4	682.5	657.8	92.1	94.0	94.0	0.90	2563.8	1.6	2.0	6.5	104	3020
IE1-4003-4	450	600	1490	808.2	767.8	740.0	92.1	94.0	94.0	0.90	2884.2	1.6	2.0	6.5	107	3100
IE1-4004-4	500	680	1490	898.0	853.1	822.2	92.1	94.0	94.0	0.90	3204.7	1.6	2.0	6.5	107	3350
IE1-4005-4	560	760	1490	1005.7	955.5	920.9	92.1	94.0	94.0	0.90	3589.3	1.6	2.0	6.5	107	3500
IE1-4006-4	630	840	1490	1131.5	1074.9	1036.0	92.1	94.0	94.0	0.90	4037.9	1.6	2.0	6.5		

► IE1系列电机技术参数 / Technical Data - IE1 Motor - 6 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 堵转转矩	最大转矩 最大转矩	堵转电流 堵转电流	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE1-71M1-6	0.18	0.25	860	0.91	0.87	0.83	44.6	45.5	45.5	0.66	2.00	1.9	2.1	4.0	52	11
IE1-71M2-6	0.25	0.37	860	1.07	1.02	0.98	51.1	52.1	52.1	0.68	2.78	1.9	2.1	4.0	52	13
IE1-80M1-6	0.37	0.50	900	1.35	1.28	1.23	58.5	59.7	59.7	0.70	3.93	1.9	2.0	4.7	54	15.5
IE1-80M2-6	0.55	0.75	900	1.76	1.68	1.62	64.5	65.8	65.8	0.72	5.84	1.9	2.1	4.7	54	16.5
IE1-90S-6	0.75	1	910	2.26	2.15	2.07	68.6	70.0	70.0	0.72	7.87	2.0	2.1	5.5	57	20
IE1-90L-6	1.1	1.5	910	3.14	2.98	2.88	71.4	72.9	72.9	0.73	11.54	2.0	2.1	5.5	57	24
IE1-100L-6	1.5	2	930	4.04	3.84	3.70	73.7	75.2	75.2	0.75	15.4	2.0	2.1	5.5	61	29
IE1-112M-6	2.2	3	940	5.66	5.38	5.18	76.1	77.7	77.7	0.76	22.35	2.0	2.1	6.5	65	37
IE1-132S-6	3	4	960	7.53	7.15	6.89	78.1	79.7	79.7	0.76	29.85	2.1	2.1	6.5	69	53
IE1-132M1-6	4	5.5	960	9.82	9.33	9.00	79.8	81.4	81.4	0.76	39.8	2.1	2.1	6.5	69	64
IE1-132M2-6	5.5	7.5	960	13.1	12.4	12.0	81.4	83.1	83.1	0.77	54.7	2.1	2.1	6.5	69	72
IE1-160M-6	7.5	10	970	17.5	16.6	16.0	83.0	84.7	84.7	0.77	73.85	2.0	2.1	6.5	73	97
IE1-160L-6	11	15	970	24.8	23.6	22.7	84.7	86.4	86.4	0.78	108.3	2.0	2.1	6.5	73	126
IE1-180L-6	15	20	970	32.1	30.5	29.4	85.9	87.7	87.7	0.81	147.7	2.0	2.1	7.0	73	166
IE1-200L1-6	18.5	25	975	39.2	37.2	35.9	86.8	88.6	88.6	0.81	181.2	2.1	2.1	7.0	76	205
IE1-200L2-6	22	30	975	45.1	42.9	41.3	87.4	89.2	89.2	0.83	215.5	2.1	2.1	7.0	76	220
IE1-225M-6	30	40	980	60.2	57.2	55.1	88.4	90.2	90.2	0.84	292.3	2.0	2.1	7.0	76	290
IE1-250M-6	37	50	980	72.0	68.4	65.9	89.0	90.8	90.8	0.86	360.5	2.1	2.1	7.0	78	370
IE1-280S-6	45	60	980	87.0	82.6	79.6	89.6	91.4	91.4	0.86	438.5	2.1	2.0	7.0	80	490
IE1-280M-6	55	75	980	105.7	100.4	96.8	90.1	91.9	91.9	0.86	535.9	2.1	2.0	7.0	80	540
IE1-315S-6	75	100	985	143.1	135.9	131.0	90.7	92.6	92.6	0.86	727.1	2.0	2.0	7.0	85	850
IE1-315M-6	90	120	985	171.2	162.6	156.7	91.0	92.9	92.9	0.86	872.5	2.0	2.0	7.0	85	960
IE1-315L1-6	110	150	985	208.3	197.9	190.7	91.4	93.3	93.3	0.86	1066.4	2.0	2.0	6.7	85	1060
IE1-315L2-6	132	180	985	246.6	234.2	225.8	91.6	93.5	93.5	0.87	1279.7	2.0	2.0	6.7	85	1120
IE1-355M1-6	160	220	990	294.5	279.8	269.7	91.9	93.8	93.8	0.88	1543.3	1.9	2.0	6.7	92	1680
IE1-355M2-6	200	270	990	367.4	349.0	336.4	92.1	94.0	94.0	0.88	1929.1	1.9	2.0	6.7	92	1780
IE1-355L-6	250	340	990	459.2	436.2	420.5	92.1	94.0	94.0	0.88	2411.4	1.9	2.0	6.7	92	1950
IE1-4001-6	315	430	990	578.6	549.7	529.8	92.1	94.0	94.0	0.88	3038.6	1.6	1.9	6.2	96	2850
IE1-4002-6	355	480	990	652.1	619.5	597.1	92.1	94.0	94.0	0.88	3424.5	1.6	1.9	6.2	96	3000
IE1-4003-6	400	550	990	734.7	698.0	672.7	92.1	94.0	94.0	0.88	3858.6	1.6	1.9	6.2	100	3200
IE1-4004-6	450	600	990	826.6	785.2	756.8	92.1	94.0	94.0	0.88	4340.9	1.6	1.9	6.2	100	3400
IE1-4005-6	500	680	990	918.4	872.5	840.9	92.1	94.0	94.0	0.88	4823.2	1.6	1.9	6.2	100	3550
IE1-4501-6	560	760	990	1028.6	977.2	941.8	92.1	94.0	94.0	0.88	5402.0	1.6	1.9	6.2	100	3600
IE1-4502-6	630	840	990	1157.2	1099.3	1059.6	92.1	94.0	94.0	0.88	6077.3	1.6	1.9	6.2	100	3800
IE1-4503-6	710	965	990	1304.1	1238.9	1194.1	92.1	94.0	94.0	0.88	6849.0	1.6	1.9	6.2	100	4000
IE1-4504-6	800	1090	990	1469.4	1396.0	1345.5	92.1	94.0	94.0	0.88	7717.2	1.6	1.9	6.2	100	4200

► IE1系列电机技术参数 / Technical Data - IE1 Motor - 8 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 堵转转矩	最大转矩 最大转矩	堵转电流 堵转电流	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE1-80M1-8	0.18	0.25	650	1.18	1.12	1.08	37.2	38.0	38.0	0.61	2.64	1.8	1.9	3.3	52	15.5
IE1-80M2-8	0.25	0.37	650	1.43	1.36	1.31	42.5	43.4	43.4	0.61	3.67	1.8	1.9	3.3	52	16.5
IE1-90S-8	0.37	0.50	660	1.85	1.76	1.70	48.7	49.7	49.7	0.61	5.35	1.8	1.9	4.0	56	20
IE1-90L-8	0.55	0.75	660	2.44	2.32	2.24	55.0	56.1	56.1	0.61	7.96	1.8	2.0	4.0	56	24
IE1-100L1-8	0.75	1	690	2.78	2.64	2.54	60.0	61.2	61.2	0.67	10.4	1.8	2.0	4.0	59	30
IE1-100L2-8	1.1	1.5	690	3.64	3.46	3.34	65.2	66.5	66.5	0.69	15.2	1.8	2.0	5.0	59	32
IE1-112M-8	1.5	2	700	4.71	4.47	4.31	68.8	70.2	70.2	0.69	20.5	1.8	2.0	5.0	61	40
IE1-132S-8	2.2	3	710	6.34	6.03	5.81	72.7	74.2	74.2	0.71	29.6	1.8	2.0	6.0	64	52
IE1-132M-8	3	4	710	8.11	7.70	7.43	75.5	77.0	77.0	0.73	40.4	1.8	2.0	6.0	64	63
IE1-160M1-8	4	5.5	720	10.5	9.99	9.63	77.6	79.2	79.2	0.73	53.1	1.9	2.0	6.0	68	90
IE1-160M2-8	5.5	7.5	720	13.9	13.2	12.7	79.8	81.4	81.4	0.74	73.0	2.0	2.0	6.0	68	100
IE1-160L-8	7.5	10	720	18.3	17.4	16.7	81.4	83.1	83.1	0.75	99.5	2.0	2.0	6.0	68	124
IE1-180L-8	11	15	730	25.9	24.6	23.7	83.3	85.0	85.0	0.76	143.9	2.0	2.0	6.6	70	160
IE1-200L-8	15	20	730	34.8	33.0	31.9	84.5	86.2	86.2	0.76	196.2	2.0	2.0	6.6	73	212
IE1-225S-8	18.5	25	730	42.6	40.4	39.0	85.2	86.9	86.9	0.76	242.0	1.9	2.0	6.6	73	255
IE1-225M-8	22	30	730	49.0	46.6	44.9	85.7	87.4	87.4	0.78	287.8	1.9	2.0	6.6	73	285
IE1-250M-8	30	40	735	65.3	62.1	59.8	86.5	88.3	88.3	0.79	389.8	1.9	2.0	6.6	75	370
IE1-280S-8	37	50	735	80.1	76.1	73.4	87.0	88.8	88.8	0.79	480.7	1.9	2.0	6.6	76	485
IE1-280M-8	45	60	735	97.0	92.2	88.8	87.4	89.2	89.2	0.79	584.7	1.9	2.0	6.6	76	540
IE1-315S-8	55	75	735	115.0	109.3	105.3	87.9	89.7	89.7	0.81	714.6	1.8	2.0	6.6	82	820
IE1-315M-8	75	100	735	155.8	148.0	142.7	88.5	90.3	90.3	0.81	974.5	1.8	2.0	6.6	82	970
IE1-315L1-8	90	120	740	183.9	174.7	168.4	88.9	90.7	90.7	0.82	1161.5	1.8	2.0	6.6	82	1050
IE1-315L2-8	110	150	740	223.7	212.5	204.9	89.3	91.1	91.1	0.82	1419.6	1.8	2.0	6.4	82	1130
IE1-355M1-8	132	180	740	267.3	253.9	244.8	89.7	91.5	91.5	0.82	1703.5	1.8	2.0	6.4	90	1720
IE1-355M2-8	160	220	740	322.6	306.5	295.4	90.1	91.9	91.9	0.82	2064.9	1.8	2.0	6.4	90	1800
IE1-355L-8	200	270	740	395.8	376.0	362.4	90.7	92.5	92.5	0.83	2581.1	1.8	2.0	6.4	90	1950
IE1-4001-8	250	340	740	494.8	470.0	453.0	90.7	92.5	92.5	0.83	3226.4	1.6	1.8	6.0	95	2850
IE1-4002-8	280	380	740	554.1	526.4	507.4	90.7	92.5	92.5	0.83	3613.5	1.6	1.8	6.0	95	2950
IE1-4003-8	315	430	740	623.4	592.2	570.8	90.7	92.5	92.5	0.83	4065.2	1.6	1.8	6.0	98	3200
IE1-4004-8	355	480	740	702.5	667.4	643.3	90.7	92.5	92.5	0.83	4581.4	1.6	1.8	6.0	98	3400
IE1-4005-8	400	550	740	791.6	752.0	724.8	90.7	92.5	92.5	0.83	5162.2	1.6	1.8	6.0	98	3600
IE1-4501-8	450	600	740	890.6	846.0	815.4	90.7	92.5	92.5	0.83	5807.4	1.6	1.8	6.0	98	3800
IE1-4502-8	500	680	740	989.5	940.0	906.1	90.7	92.5	92.5	0.83	6452.7	1.6	1.8	6.0	98	4000
IE1-4503-8	560	760	740	1108.2	1052.8	1014.8	90.7	92.5	92.5	0.83	7227.0	1.6	1.8	6.0	98	4200
IE1-4504-8	630	840	740	1246.8	1184.4	1141.6	90.7	92.5	92.5	0.83	8130.4	1.6	1.8	6.0	98	4400

► IE1系列电机技术参数 / Technical Data - IE1 Motor - 10 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 Tst/Tn	最大转矩 Tmax/Tn	堵转电流 Ist/In	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE1-315S-10	45	60	590	99.6	94.7	91.2	89.7	91.5	91.5	0.75	728.4	1.5	2.0	6.2	82	830
IE1-315M-10	55	75	590	121.1	115.1	110.9	90.1	92.0	92.0	0.75	890.3	1.5	2.0	6.2	82	940
IE1-315L1-10	75	100	590	162.1	154.0	148.4	90.5	92.5	92.5	0.76	1214.0	1.5	2.0	6.2	82	1070
IE1-315L2-10	90	120	590	191.0	181.4	174.9	91.0	93.0	93.0	0.77	1456.8	1.5	2.0	6.2	82	1150
IE1-355M1-10	110	150	590	229.9	218.4	210.5	91.2	93.2	93.2	0.78	1780.5	1.3	2.0	6.0	90	1660
IE1-355M2-10	132	180	590	275.0	261.3	251.8	91.5	93.5	93.5	0.78	2136.6	1.3	2.0	6.0	90	1780
IE1-355L-10	160	220	590	333.3	316.7	305.2	91.5	93.5	93.5	0.78	2589.8	1.3	2.0	6.0	90	1950
IE1-4001-10	200	270	595	415.3	394.6	380.3	91.5	93.8	93.8	0.78	3210.1	1.2	1.6	5.5	93	2820
IE1-4002-10	250	340	595	519.2	493.2	475.4	91.5	93.8	93.8	0.78	4012.6	1.2	1.6	5.5	93	2950
IE1-4003-10	280	380	595	581.5	552.4	532.4	91.5	93.8	93.8	0.78	4494.1	1.2	1.6	5.5	97	3100
IE1-4004-10	315	430	595	654.2	621.4	599.0	91.5	93.8	93.8	0.78	5055.9	1.2	1.6	5.5	97	3350
IE1-4005-10	355	480	595	737.2	700.4	675.0	91.5	93.8	93.8	0.78	5697.9	1.2	1.6	5.5	97	3600
IE1-4502-10	400	550	595	830.7	789.1	760.6	91.5	93.8	93.8	0.78	6420.2	1.2	1.6	5.5	97	3800
IE1-4503-10	450	600	595	934.5	887.8	855.7	91.5	93.8	93.8	0.78	7222.7	1.2	1.6	5.5	97	4050
IE1-4504-10	500	680	595	1038.3	986.4	950.8	91.5	93.8	93.8	0.78	8025.2	1.2	1.6	5.5	97	4300

► IE2系列电机技术参数 / Technical Data - IE2 Motor - 2 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 Tst/Tn	最大转矩 Tmax/Tn	堵转电流 Ist/In	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE2-63M1-2	0.18	0.25	2780	0.57	0.54	0.52	59.2	60.4	60.4	0.80	0.62	2.2	2.3	5.0	61	9
IE2-63M2-2	0.25	0.37	2780	0.72	0.69	0.66	63.5	64.8	64.8	0.81	0.86	2.2	2.3	5.0	61	10
IE2-71M1-2	0.37	0.50	2800	1.00	0.95	0.91	68.1	69.5	69.5	0.81	1.26	2.2	2.3	5.5	62	12
IE2-71M2-2	0.55	0.75	2800	1.36	1.29	1.24	72.6	74.1	74.1	0.82	1.88	2.2	2.3	5.5	62	13
IE2-80M1-2	0.75	1	2825	1.77	1.69	1.62	75.9	77.4	77.4	0.82	2.54	2.3	2.3	6.8	62	15
IE2-80M2-2	1.1	1.5	2825	2.50	2.37	2.29	78.0	79.6	79.6	0.83	3.72	2.3	2.3	7.1	62	16.5
IE2-90S-2	1.5	2	2840	3.34	3.17	3.06	79.7	81.3	81.3	0.84	5.04	2.3	2.3	7.3	67	20
IE2-90L-2	2.2	3	2840	4.73	4.49	4.33	81.5	83.2	83.2	0.85	7.40	2.3	2.3	7.6	67	24
IE2-100L-2	3	4	2870	6.19	5.88	5.67	82.9	84.6	84.6	0.87	9.98	2.2	2.3	7.8	74	31
IE2-112M-2	4	5.5	2880	8.05	7.65	7.37	84.1	85.8	85.8	0.88	13.30	2.2	2.3	8.1	77	38
IE2-132S1-2	5.5	7.5	2900	10.9	10.4	10.0	85.3	87.0	87.0	0.88	18.10	2.2	2.3	8.2	79	58
IE2-132S2-2	7.5	10	2900	14.7	14.0	13.5	86.3	88.1	88.1	0.89	24.70	2.2	2.3	7.8	79	62
IE2-160M1-2	11	15	2930	21.0	20.0	19.2	87.6	89.4	89.4	0.89	35.90	2.2	2.3	7.9	81	103
IE2-160M2-2	15	20	2930	28.4	26.9	26.0	88.5	90.3	90.3	0.89	48.90	2.2	2.3	7.9	81	112
IE2-160L-2	18.5	25	2930	34.4	32.6	31.5	89.1	90.9	90.9	0.89	60.30	2.2	2.3	8.0	81	135
IE2-180M-2	22	30	2940	40.7	38.6	37.2	89.5	91.3	91.3	0.89	71.50	2.2	2.3	8.1	83	165
IE2-200L1-2	30	40	2950	55.1	52.3	50.4	90.2	92.0	92.0	0.89	97.10	2.0	2.3	7.5	84	215
IE2-200L2-2	37	50	2950	67.5	64.2	61.8	90.7	92.5	92.5	0.89	119.8	2.0	2.3	7.5	84	232
IE2-225M-2	45	60	2960	81.8	77.7	74.9	91.0	92.9	92.9	0.89	145.2	2.2	2.3	7.5	86	285
IE2-250M-2	55	75	2965	99.6	94.6	91.2	91.3	93.2	93.2	0.89	177.2	2.2	2.3	7.6	89	375
IE2-280S-2	75	100	2970	135.0	128.2	123.6	91.9	93.8	93.8	0.89	241.2	1.8	2.3	6.9	91	500
IE2-280M-2	90	120	2970	159.7	151.7	146.2	92.2	94.1	94.1	0.89	289.4	1.8	2.3	6.9	91	550
IE2-315S-2	110	150	2975	194.8	185.0	178.3	92.4	94.3	94.3	0.90	353.1	1.8	2.2	7.0	92	860
IE2-315M-2	132	180	2975	233.0	221.3	213.3	92.7	94.6	94.6	0.90	423.7	1.8	2.2	7.0	92	960
IE2-315L1-2	160	220	2975	278.7	264.8	255.2	92.9	94.8	94.8	0.91	513.6	1.8	2.2	7.1	92	1020
IE2-315L2-2	200	270	2975	347.7	330.3	318.4	93.1	95.0	95.0	0.91	642.0	1.8	2.2	7.1	92	1080
IE2-355M-2	250	340	2980	434.6	412.9	398.0	93.1	95.0	95.0	0.91	801.2	1.6	2.2	7.1	104	1700
IE2-355L-2	315	430	2980	547.6	520.2	501.4	93.1	95.0	95.0	0.91	1009.5	1.6	2.2	7.2	104	1850
IE2-4001-2	355	480	2980	617.1	586.3	565.1	93.1	95.0	95.0	0.91	1137.7	1.6	2.0	6.5	104	2850
IE2-4002-2	400	550	2980	695.4	660.6	636.7	93.1	95.0	95.0	0.92	1281.9	1.3	2.0	6.5	104	3000
IE2-4003-2	450	600	2980	782.3	743.2	716.3	93.1	95.0	95.0	0.92	1442.1	1.3	2.0	6.5	104	3150
IE2-4004-2	500	680	2980	869.2	825.8	795.9	93.1	95.0	95.0	0.92	1602.3	1.2	2.0	6.5	108	3300
IE2-4005-2	560	760	2980	973.5	924.8	891.4	93.1	95.0	95.0	0.92	1794.6	1.2	2.0	6.5	108	3450
IE2-4006-2	630	840	2980	1095.2	1040.5	1002.8	93.1	95.0	95.0	0.92	2019.0	1.2	2.0	6.5	108	3600
IE2-4501-2	710	965	2980	1234.3	1172.6	1130.2	93.1	95.0	95.0	0.92	2275.3	1.2	2.0	6.5	109	3500
IE2-4502-2	800	1090	2980	1390.7	1321.2	1273.5	93.1	95.0	95.0	0.92	2563.8	1.2	2.0	6.5	109	3650
IE2-4503-2	900	1225	2980	1564.6	1486.4	1432.6	93.1	95.0	95.0	0.92	2884.2	1.3	2.0	6.5	109	3800
IE2-4504-2	1000	1360	2980	1738.4	1651.5	1591.8	93.1	95.0	95.0	0.92	3204.7	1.3	2.0	6.5	109	3900

► IE2系列电机技术参数 / Technical Data - IE2 Motor - 4 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 堵转转矩	最大转矩 最大转矩	堵转电流 堵转电流	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE2-63M1-4	0.12	0.18	1350	0.43	0.41	0.39	57.9	55.9	59.1	0.72	0.8	2.0	2.2	4.0	52	8
IE2-63M2-4	0.18	0.25	1350	0.58	0.55	0.53	63.4	64.7	64.7	0.73	1.3	2.0	2.2	4.0	52	9
IE2-71M1-4	0.25	0.37	1380	0.75	0.71	0.69	67.1	68.5	68.5	0.74	1.7	2.0	2.2	4.0	55	10
IE2-71M2-4	0.37	0.5	1380	1.03	0.98	0.94	71.2	72.7	72.7	0.75	2.6	2.0	2.2	4.0	55	12
IE2-80M1-4	0.55	0.75	1390	1.45	1.37	1.32	75.6	77.1	77.1	0.75	3.8	2.4	2.3	5.2	58	14.5
IE2-80M2-4	0.75	1	1390	1.88	1.79	1.72	78.0	79.6	79.6	0.76	5.2	2.3	2.3	6.4	58	15
IE2-90S-4	1.1	1.5	1400	2.67	2.53	2.44	79.8	81.4	81.4	0.77	7.5	2.3	2.3	6.6	61	19
IE2-90L-4	1.5	2	1400	3.48	3.31	3.19	81.1	82.8	82.8	0.78	10.2	2.3	2.3	6.7	61	23
IE2-100L1-4	2.2	3	1420	4.90	4.65	4.48	82.6	84.3	84.3	0.80	14.8	2.3	2.3	7.3	64	30
IE2-100L2-4	3	4	1420	6.50	6.18	5.95	83.8	85.5	85.5	0.81	20.2	2.2	2.3	7.5	64	33
IE2-112M-4	4	5.5	1440	8.56	8.13	7.84	84.9	86.6	86.6	0.81	26.5	2.2	2.3	7.5	65	43
IE2-132S-4	5.5	7.5	1440	11.5	10.9	10.5	85.9	87.7	87.7	0.82	36.5	2.2	2.3	7.5	71	60
IE2-132M-4	7.5	10	1440	15.3	14.5	14.0	86.9	88.7	88.7	0.83	49.7	2.2	2.3	7.3	71	69
IE2-160M-4	11	15	1460	22.2	21.0	20.3	88.0	89.8	89.8	0.83	72.0	2.2	2.3	7.4	75	107
IE2-160L-4	15	20	1460	29.6	28.1	27.1	88.8	90.6	90.6	0.84	98.1	2.2	2.3	7.5	75	130
IE2-180M-4	18.5	25	1465	35.8	34.0	32.8	89.4	91.2	91.2	0.85	120.6	2.2	2.3	7.6	76	162
IE2-180L-4	22	30	1465	42.4	40.3	38.9	89.8	91.6	91.6	0.85	143.4	2.2	2.3	7.7	76	175
IE2-200L-4	30	40	1470	57.4	54.6	52.6	90.5	92.3	92.3	0.85	194.9	2.0	2.3	7.1	79	227
IE2-225S-4	37	50	1475	69.7	66.2	63.8	90.8	92.7	92.7	0.86	239.6	2.0	2.3	7.3	81	282
IE2-225M-4	45	60	1475	84.4	80.2	77.3	91.2	93.1	93.1	0.86	291.4	2.2	2.3	7.3	81	315
IE2-250M-4	55	75	1475	102.7	97.6	94.1	91.6	93.5	93.5	0.86	356.1	2.2	2.3	7.3	83	390
IE2-280S-4	75	100	1480	139.3	132.4	127.6	92.1	94.0	94.0	0.87	484.0	1.8	2.3	6.8	86	525
IE2-280M-4	90	120	1480	166.9	158.5	152.8	92.3	94.2	94.2	0.88	580.7	1.8	2.3	6.9	86	590
IE2-315S-4	110	150	1480	201.0	190.9	184.0	92.6	94.5	94.5	0.89	709.8	1.8	2.2	6.9	93	900
IE2-315M-4	132	180	1480	240.7	228.6	220.4	92.8	94.7	94.7	0.89	851.8	1.8	2.2	6.9	93	1000
IE2-315L1-4	160	220	1480	287.8	273.4	263.6	93.0	94.9	94.9	0.89	1032.4	1.8	2.2	6.9	97	1070
IE2-315L2-4	200	270	1480	359.0	341.1	328.7	93.2	95.1	95.1	0.90	1290.5	1.8	2.2	6.9	97	1140
IE2-355M-4	250	340	1490	443.8	421.6	406.4	93.2	95.1	95.1	0.90	1602.3	1.6	2.2	6.9	101	1760
IE2-355L-4	315	430	1490	559.2	531.2	512.0	93.2	95.1	95.1	0.90	2019.0	1.6	2.2	6.9	101	1920
IE2-400L-4	355	480	1490	629.5	598.1	576.4	93.2	95.1	95.2	0.89	2275.3	1.6	2.2	6.5	104	2880
IE2-4002-4	400	550	1490	709.3	673.9	649.5	93.2	95.1	95.2	0.90	2563.8	1.6	2.2	6.5	104	3020
IE2-4003-4	450	600	1490	798.0	758.1	730.7	93.2	95.1	95.2	0.90	2884.2	1.6	2.2	6.5	107	3100
IE2-4004-4	500	680	1490	886.7	842.3	811.9	93.2	95.1	95.2	0.90	3204.7	1.4	2.2	6.5	107	3350
IE2-4005-4	560	760	1490	993.1	943.4	909.3	93.2	95.1	95.2	0.90	3589.3	1.4	2.2	6.5	107	3500
IE2-4006-4	630	840	1490	1117.2	1061.3	1023.0	93.2	95.1	95.2	0.90	4037.9	1.4	2.2	6.5	107	3600
IE2-450L-4	710	965	1490	1259.1	1196.1	1152.9	93.2	95.1	95.2	0.90	4550.7	1.4	2.2	6.5	107	3550
IE2-4502-4	800	1090	1490	1418.7	1347.7	1299.0	93.2	95.1	95.2	0.90	5127.5	1.4	2.2	6.5	107	3750
IE2-4503-4	900	1225	1490	1596.0	1516.2	1461.4	93.2	95.1	95.2	0.90	5768.5	1.4	2.2	6.5	107	3950
IE2-4504-4	1000	1360	1490	1773.3	1684.7	1623.8	93.2	95.1	95.2	0.90	6409.4	1.4	2.2	6.5	107	4100

► IE2系列电机技术参数 / Technical Data - IE2 Motor - 6 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 堵转转矩	最大转矩 最大转矩	堵转电流 堵转电流	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE2-71M1-6	0.18	0.25	860	0.73	0.7	0.67	55.5	56.6	56.6	0.66	2.00	1.9	2.1	4.0	52	11
IE2-71M2-6	0.25	0.37	860	0.91	0.9	0.83	60.4	61.6	61.6	0.68	2.78	1.9	2.1	4.0	52	13
IE2-80M1-6	0.37	0.50	900	1.19	1.13	1.09	66.2	67.6	67.6	0.70	3.93	1.9	2.0	4.7	54	15.5
IE2-80M2-6	0.55	0.75	900	1.59	1.51	1.45	71.6	73.1	73.1	0.72	5.84	1.9	2.1	4.7	54	16.5
IE2-90S-6	0.75	1	910	2.09	1.98	1.91	74.4	75.9	75.9	0.71	7.87	2.0	2.1	5.8	57	20
IE2-90L-6	1.1	1.5	910	2.93	2.78	2.68	76.5	78.1	78.1	0.72	11.54	2.0	2.1	5.9	57	24
IE2-100L-6	1.5	2	930	3.81	3.62	3.49	78.2	79.8	79.8	0.72	15.40	2.0	2.1	5.9	61	29
IE2-112M-6	2.2	3	940	5.38	5.11	4.92	80.2	81.8	81.8	0.72	22.35	2.0	2.1	6.2	65	37
IE2-132S-6	3	4	960	7.20	6.84	6.59	81.6	83.3	83.3	0.72	29.85	2.0	2.1	6.4	69	53
IE2-132M1-6	4	5.5	960	9.45	8.98	8.66	82.9	84.6	84.6	0.74	39.80	2.0	2.1	6.6	69	64
IE2-132M2-6	5.5	7.5	960	12.6	12.0	11.6	84.3	86.0	86.0	0.75	54.70	2.0	2.1	6.8	69	72
IE2-160M-6	7.5	10	970	17.0	16.1	15.5	85.5	87.2	87.2	0.78	73.85	2.0	2.1	6.8	73	97
IE2-160L-6	11	15	970	24.2	22.9	22.1	86.9	88.7	88.7	0.79	108.3	2.0	2.1	6.9	73	126
IE2-180L-6	15	20	970	31.4	29.8	28.7	87.9	89.7	89.7	0.82	147.7	2.0	2.1	7.3	73	166
IE2-200L1-6	18.5	25	975	38.4	36.5	35.1	88.6	90.4	90.4	0.80	181.2	2.0	2.1	7.2	73	205
IE2-200L2-6	22	30	975	44.3	42.1	40.6	89.1	90.9	90.9	0.81	215.5	2.0	2.1	7.3	73	220
IE2-225M-6	30	40	980	59.2	56.2	54.2	89.9	91.7	91.7	0.82	292.3	2.0	2.1	6.8	74	290
IE2-250M-6	37	50	980	70.9	67.4	64.9	90.4	92.2	92.2	0.83	360.5	2.0	2.1	7.0	76	370
IE2-280S-6	45	60	980	85.8	81.5	78.5	90.8	92.7	92.7	0.85	438.5	2.0	2.0	7.2	78	490
IE2-280M-6	55	75	980	104.4	99.2	95.6	91.2	93.1	93.1	0.86	535.9	2.0	2.0	7.2	78	540
IE2-315S-6	75	100	985	141.4	134.3	129.5	91.8	93.7	93.7	0.84	727.1	2.0	2.0	6.5	83	850
IE2-315M-6	90	120	985	169.2	160.7	154.9	92.1	94.0	94.0	0.85	872.5	2.0	2.0	6.6	83	960
IE2-315L1-6	110	150	985	206.1	195.8	188.7	92.4	94.3	94.3	0.85	1066.4	2.0	2.0	6.6	83	1060
IE2-315L2-6	132	180	985	243.7	231.5	223.1	92.7	94.6	94.6	0.86	1279.7	2.0	2.0	6.6	83	1120
IE2-355M1-6	160	220	990	291.4	276.8	266.8	92.9	94.8	94.8	0.86	1543.3	2.0	2.0	6.7	85	1680
IE2-355M2-6	200	270	990	363.5	345.3	332.8	93.1	95.0	95.0	0.86	1929.1	2.0	2.0	6.8	85	1780
IE2-355L-6	250	340	990	454.4	431.6	416.0	93.1	95.0	95.0	0.86	2411.4	2.0	2.0	6.8	85	1950
IE2-4001-6	315	430	990	572.5	543.9	524.2	93.1	95.0	95.0	0.86	3038.6	2.0	2.0	6.8	96	2850
IE2-4002-6	355	480	990	645.2	612.9	590.8	93.1	95.0	95.0	0.86	3424.5	1.8	2.5	6.5	96	3000
IE2-4003-6	400	550	990	727.0	690.6	665.7	93.1	95.0	95.0	0.84	3858.6	1.6	2.4	6.5	100	3200
IE2-4004-6	450	600	990	817.9	777.0	748.9	93.1	95.0	95.0	0.84	4340.9	1.6	2.4	6.5	100	3400
IE2-4005-6	500	680	990	918.4	872.5	840.9	93.1	95.0	95.0	0.84	4823.2	1.6	2.4	6.5	100	3550
IE2-4501-6	560	760	990	1017.8	966.9	931.9	93.1	95.0	95.0	0.84	5402.0	1.6	2.4	6.5	100	3600
IE2-4502-6	630	840	990	1145.0	1087.7	1048.4	93.1	95.0	95.0	0.84	6077.3	1.6				

► IE2系列电机技术参数 / Technical Data - IE2 Motor - 8 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 堵转转矩	最大转矩 最大转矩	堵转电流 堵转电流	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE2-80M1-8	0.18	0.25	650	0.98	0.93	0.89	45.0	45.9	45.9	0.61	2.64	1.8	1.9	3.3	52	15.5
IE2-80M2-8	0.25	0.37	650	1.23	1.17	1.13	49.6	50.6	50.6	0.61	3.67	1.8	1.9	3.3	52	16.5
IE2-90S-8	0.37	0.50	660	1.64	1.56	1.50	55.0	56.1	56.1	0.61	5.35	1.8	1.9	4.0	56	20
IE2-90L-8	0.55	0.75	660	2.22	2.11	2.03	60.5	61.7	61.7	0.61	7.96	1.8	2.0	4.0	56	24
IE2-100L1-8	0.75	1	690	2.57	2.44	2.35	64.9	66.2	66.2	0.67	10.40	1.8	2.0	4.0	59	30
IE2-100L2-8	1.1	1.5	690	3.42	3.25	3.13	69.4	70.8	70.8	0.69	15.20	1.8	2.0	5.0	59	32
IE2-112M-8	1.5	2	700	4.46	4.23	4.08	72.6	74.1	74.1	0.69	20.50	1.8	2.0	5.0	61	40
IE2-132S-8	2.2	3	710	6.07	5.76	5.56	76.0	77.6	77.6	0.71	29.60	1.8	2.0	6.0	64	52
IE2-132M-8	3	4	710	7.81	7.41	7.15	78.4	80.0	80.0	0.73	40.40	1.8	2.0	6.0	64	63
IE2-160M1-8	4	5.5	720	10.2	9.66	9.31	80.3	81.9	81.9	0.73	53.10	1.9	2.0	6.0	68	90
IE2-160M2-8	5.5	7.5	720	13.5	12.8	12.3	82.1	83.8	83.8	0.74	73.00	2.0	2.0	6.0	68	100
IE2-160L-8	7.5	10.0	720	17.8	16.9	16.3	83.6	85.3	85.3	0.75	99.50	2.0	2.0	6.0	68	124
IE2-180L-8	11	15	730	25.3	24.0	23.2	85.2	86.9	86.9	0.76	143.9	2.0	2.0	6.6	70	160
IE2-200L-8	15	20	730	34.1	32.4	31.2	86.2	88.0	88.0	0.76	196.2	2.0	2.0	6.6	73	212
IE2-225S-8	18.5	25	730	41.7	39.7	38.2	86.8	88.6	88.6	0.76	242.0	1.9	2.0	6.6	73	255
IE2-225M-8	22	30	730	48.1	45.7	44.0	87.3	89.1	89.1	0.78	287.8	1.9	2.0	6.6	73	285
IE2-250M-8	30	40	735	64.3	61.0	58.8	88.0	89.8	89.8	0.79	389.8	1.9	2.0	6.6	75	370
IE2-280S-8	37	50	735	78.8	74.9	72.2	88.5	90.3	90.3	0.79	480.7	1.9	2.0	6.6	76	485
IE2-280M-8	45	60	735	95.4	90.7	87.4	88.9	90.7	90.7	0.79	584.7	1.9	2.0	6.6	76	540
IE2-315S-8	55	75	735	113.4	107.7	103.8	89.2	91.0	91.0	0.81	714.6	1.8	2.0	6.6	82	820
IE2-315M-8	75	100	735	153.6	145.9	140.6	89.8	91.6	91.6	0.81	974.5	1.8	2.0	6.6	82	970
IE2-315L1-8	90	120	740	181.5	172.4	166.2	90.1	91.9	91.9	0.82	1161.5	1.8	2.0	6.6	82	1050
IE2-315L2-8	110	150	740	220.8	209.8	202.2	90.5	92.3	92.3	0.82	1419.6	1.8	2.0	6.4	82	1130
IE2-355M1-8	132	180	740	264.1	250.9	241.9	90.7	92.6	92.6	0.82	1703.5	1.8	2.0	6.4	90	1720
IE2-355M2-8	160	220	740	318.8	302.8	291.9	91.1	93.0	93.0	0.82	2064.9	1.8	2.0	6.4	90	1800
IE2-355L-8	200	270	740	391.6	372.0	358.5	91.6	93.5	93.5	0.83	2581.1	1.8	2.0	6.4	90	1950
IE2-4001-8	250	340	740	489.5	465.0	448.2	91.6	93.5	93.5	0.80	3226.4	1.6	2.5	6.0	95	2850
IE2-4002-8	280	380	740	548.2	520.8	502.0	91.6	93.5	93.5	0.80	3613.5	1.6	2.5	6.0	95	2950
IE2-4003-8	315	430	740	616.7	585.9	564.7	91.6	93.5	93.5	0.80	4065.2	1.6	2.5	6.0	98	3200
IE2-4004-8	355	480	740	695.0	660.3	636.4	91.6	93.5	93.5	0.80	4581.4	1.6	2.4	6.0	98	3400
IE2-4005-8	400	550	740	783.1	744.0	717.1	91.6	93.5	93.5	0.80	5162.2	1.6	2.4	6.0	98	3600
IE2-4501-8	450	600	740	881.0	837.0	806.7	91.6	93.5	93.5	0.82	5807.4	1.6	2.4	6.0	98	3800
IE2-4502-8	500	680	740	978.9	930.0	896.4	91.6	93.5	93.5	0.82	6452.7	1.6	2.4	6.0	98	4000
IE2-4503-8	560	760	740	1096.4	1041.6	1003.9	91.6	93.5	93.5	0.82	7227.0	1.6	2.4	6.0	98	4200
IE2-4504-8	630	840	740	1233.4	1171.8	1129.4	91.6	93.5	93.5	0.82	8130.4	1.6	2.4	6.0	98	4400

► IE2系列电机技术参数 / Technical Data - IE2 Motor - 10 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 堵转转矩	最大转矩 最大转矩	堵转电流 堵转电流	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE2-315S-10	45	60	590	99.6	94.7	91.2	89.7	91.5	91.5	0.75	728.4	1.5	2.0	6.2	82	830
IE2-315M-10	55	75	590	121.1	115.1	110.9	89.9	92.0	92.0	0.75	890.3	1.5	2.0	6.2	82	940
IE2-315L1-10	75	100	590	162.1	154.0	148.4	90.5	92.5	92.5	0.76	1214.0	1.5	2.0	6.2	82	1070
IE2-315L2-10	90	120	590	191.0	181.4	174.9	91.1	93.0	93.0	0.77	1456.8	1.5	2.0	6.2	82	1150
IE2-355M1-10	110	150	590	229.9	218.4	210.5	91.4	93.2	93.2	0.77	1780.5	1.3	2.0	6.0	90	1660
IE2-355M2-10	132	180	590	275.0	261.3	251.8	91.6	93.5	93.5	0.77	2136.6	1.3	2.0	6.0	90	1780
IE2-355L-10	160	220	590	333.3	316.7	305.2	91.6	93.5	93.5	0.77	2589.8	1.3	2.0	6.0	90	1950
IE2-4001-10	200	270	595	415.3	394.6	380.3	91.8	93.8	93.8	0.74	3210.1	1.4	1.6	6.0	93	2820
IE2-4002-10	250	340	595	519.2	493.2	475.4	91.8	93.8	93.8	0.74	4012.6	1.4	1.6	6.0	93	2950
IE2-4003-10	280	380	595	581.5	552.4	532.4	91.8	93.8	93.8	0.77	4494.1	1.4	1.6	6.0	97	3100
IE2-4004-10	315	430	595	654.2	621.4	599.0	91.8	93.8	93.8	0.77	5055.9	1.4	1.6	6.0	97	3350
IE2-4005-10	355	480	595	737.2	700.4	675.0	91.8	93.8	93.8	0.77	5697.9	1.3	1.6	6.0	97	3600
IE2-4502-10	400	550	595	830.7	789.1	760.6	91.8	93.8	93.8	0.77	6420.2	1.3	1.6	6.0	97	3800
IE2-4503-10	450	600	595	934.5	887.8	855.7	91.8	93.8	93.8	0.77	7222.7	1.3	1.6	6.0	97	4050
IE2-4504-10	500	680	595	1038.3	986.4	950.8	91.8	93.8	93.8	0.77	8025.2	1.3	1.6	6.0	97	4300

► IE3系列电机技术参数 / Technical Data - IE3 Motor - 2 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 Tst/Tn	最大转矩 Tmax/Tn	堵转电流 Ist/In	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE3-63M1-2	0.18	0.25	2780	0.52	0.49	0.48	64.6	65.9	65.9	0.80	0.62	2.2	2.3	5.0	61	9
IE3-63M2-2	0.25	0.37	2780	0.67	0.64	0.62	68.30	69.7	69.7	0.81	0.86	2.2	2.3	5.0	61	10
IE3-71M1-2	0.37	0.5	2800	0.94	0.89	0.86	72.3	73.8	73.8	0.81	1.26	2.2	2.3	5.5	62	12
IE3-71M2-2	0.55	0.75	2800	1.29	1.23	1.18	76.20	77.8	77.8	0.83	1.88	2.2	2.3	5.5	62	13
IE3-80M1-2	0.75	1	2825	1.70	1.62	1.56	79.1	80.7	80.7	0.82	2.54	2.3	2.3	7.0	62	15
IE3-80M2-2	1.1	1.5	2825	2.41	2.29	2.20	81.0	82.7	82.7	0.83	3.72	2.2	2.3	7.3	62	16.5
IE3-90S-2	1.5	2	2840	3.22	3.06	2.95	82.5	84.2	84.2	0.84	5.04	2.2	2.3	7.6	67	20
IE3-90L-2	2.2	3	2840	4.58	4.35	4.19	84.2	85.9	85.9	0.85	7.40	2.2	2.3	7.6	67	24
IE3-100L-2	3	4	2870	6.02	5.71	5.51	85.4	87.1	87.1	0.87	9.98	2.2	2.3	7.8	74	31
IE3-112M-2	4	5.5	2880	7.84	7.45	7.18	86.3	88.1	88.1	0.88	13.30	2.2	2.3	8.3	77	38
IE3-132S1-2	5.5	7.5	2900	10.6	10.1	9.7	87.4	89.2	89.2	0.88	18.10	2.0	2.3	8.3	79	58
IE3-132S2-2	7.5	10	2900	14.4	13.7	13.2	88.3	90.1	90.1	0.88	24.70	2.0	2.3	7.9	79	62
IE3-160M1-2	11	15	2930	20.6	19.6	18.9	89.4	91.2	91.2	0.89	35.90	2.0	2.3	8.1	81	103
IE3-160M2-2	15	20	2930	27.9	26.5	25.5	90.1	91.9	91.9	0.89	48.90	2.0	2.3	8.1	81	112
IE3-160L-2	18.5	25	2930	34.2	32.5	31.3	90.6	92.4	92.4	0.89	60.30	2.0	2.3	8.2	81	135
IE3-180M-2	22	30	2940	40.5	38.5	37.1	90.8	92.7	92.7	0.89	71.50	2.0	2.3	8.2	83	165
IE3-200L1-2	30	40	2950	54.9	52.1	50.3	91.4	93.3	93.3	0.89	97.10	2.0	2.3	7.6	84	215
IE3-200L2-2	37	50	2950	67.4	64.0	61.7	91.8	93.7	93.7	0.89	119.8	2.0	2.3	7.6	84	232
IE3-225M-2	45	60	2960	80.8	76.8	74.0	92.1	94.0	94.0	0.90	145.2	2.0	2.3	7.7	86	285
IE3-250M-2	55	75	2965	98.5	93.5	90.2	92.4	94.3	94.3	0.90	177.2	2.0	2.3	7.7	89	375
IE3-280S-2	75	100	2970	133.7	127.0	122.4	92.8	94.7	94.7	0.90	241.2	1.8	2.3	7.1	91	500
IE3-280M-2	90	120	2970	159.9	151.9	146.4	93.1	95.0	95.0	0.90	289.4	1.8	2.3	7.1	91	550
IE3-315S-2	110	150	2975	195.1	185.3	178.6	93.3	95.2	95.2	0.90	353.1	1.8	2.3	7.1	92	860
IE3-315M-2	132	180	2975	233.6	221.9	213.9	93.5	95.4	95.4	0.90	423.7	1.8	2.3	7.1	92	960
IE3-315L1-2	160	220	2975	279.4	265.5	255.9	93.7	95.6	95.6	0.91	513.6	1.8	2.3	7.2	92	1020
IE3-315L2-2	200	270	2975	348.6	331.1	319.2	93.9	95.8	95.8	0.91	642.0	1.8	2.2	7.2	92	1080
IE3-355M-2	250	340	2980	435.7	413.9	399.0	93.9	95.8	95.8	0.91	801.2	1.6	2.2	7.2	100	1700
IE3-355L-2	315	430	2980	549.0	521.5	502.7	93.9	95.8	95.8	0.91	1009.5	1.6	2.2	7.2	100	1850
IE3-4001-2	355	480	2980	625.6	594.3	572.8	93.9	95.8	95.8	0.91	1137.7	1.3	2.2	6.5	106	2850
IE3-4002-2	400	550	2980	704.9	669.6	645.4	93.9	95.8	95.8	0.90	1281.9	1.3	2.5	6.5	106	3000
IE3-4003-2	450	600	2980	793.0	753.3	726.1	93.9	95.8	95.8	0.90	1442.1	1.3	2.5	6.5	109	3150
IE3-4004-2	500	680	2980	881.1	837.1	806.8	93.9	95.8	95.8	0.90	1602.3	1.3	2.5	6.5	109	3300
IE3-4005-2	560	760	2980	976.0	927.2	893.7	93.9	95.8	95.8	0.91	1794.6	1.2	2.5	6.5	109	3450
IE3-4006-2	630	840	2980	1098.0	1043.1	1005.4	93.9	95.8	95.8	0.91	2019.0	1.2	2.5	6.5	109	3600
IE3-4501-2	710	965	2980	1237.4	1175.6	1133.1	93.9	95.8	95.8	0.91	2275.3	1.2	2.5	6.5	109	3500
IE3-4502-2	800	1090	2980	1394.3	1324.6	1276.7	93.9	95.8	95.8	0.91	2563.8	1.2	2.5	6.5	109	3650
IE3-4503-2	900	1225	2980	1568.6	1490.1	1436.3	93.9	95.8	95.8	0.91	2884.2	1.2	2.5	6.5	109	3800
IE3-4504-2	1000	1360	2980	1723.9	1637.7	1578.5	93.9	95.8	95.8	0.92	3204.7	1.2	2.5	6.5	109	3900

► IE3系列电机技术参数 / Technical Data - IE3 Motor - 4 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 Tst/Tn	最大转矩 Tmax/Tn	堵转电流 Ist/In	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE3-63M1-4	0.12	0.18	1350	0.39	0.37	0.36	63.5	64.8	64.8	0.72	0.85	2.0	2.2	4.0	52	8
IE3-63M2-4	0.18	0.25	1350	0.54	0.51	0.49	68.5	69.9	69.9	0.73	1.27	2.0	2.2	4.0	52	9
IE3-71M1-4	0.25	0.37	1380	0.70	0.66	0.64	72.0	73.5	73.5	0.74	1.73	2.0	2.2	4.0	55	10
IE3-71M2-4	0.37	0.5	1380	0.97	0.92	0.89	75.8	77.3	77.3	0.75	2.56	2.0	2.2	4.0	55	12
IE3-80M1-4	0.55	0.75	1390	1.38	1.31	1.26	79.2	80.8	80.8	0.75	3.78	2.4	2.3	5.2	56	14.5
IE3-80M2-4	0.75	1	1390	1.84	1.75	1.69	80.9	82.5	82.5	0.75	5.15	2.3	2.3	6.6	56	15
IE3-90S-4	1.1	1.5	1400	2.61	2.48	2.39	82.4	84.1	84.1	0.76	7.5	2.3	2.3	6.8	59	19
IE3-90L-4	1.5	2	1400	3.47	3.30	3.18	83.6	85.3	85.3	0.77	10.2	2.3	2.3	7.0	59	23
IE3-100L1-4	2.2	3	1420	4.76	4.52	4.36	85.0	86.7	86.7	0.81	14.8	2.3	2.3	7.6	64	30
IE3-100L2-4	3	4	1420	6.34	6.02	5.80	85.9	87.7	87.7	0.82	20.2	2.3	2.3	7.6	64	33
IE3-112M-4	4	5.5	1440	8.37	7.95	7.66	86.8	88.6	88.6	0.82	26.5	2.2	2.3	7.8	65	43
IE3-132S-4	5.5	7.5	1440	11.2	10.7	10.3	87.8	89.6	89.6	0.83	36.5	2.0	2.3	7.9	71	60
IE3-132M-4	7.5	10	1440	15.0	14.3	13.7	88.6	90.4	90.4	0.84	49.7	2.0	2.3	7.5	71	69
IE3-160M-4	11	15	1460	21.5	20.4	19.7	89.6	91.4	91.4	0.85	72.0	2.2	2.3	7.7	73	107
IE3-160L-4	15	20	1460	28.8	27.3	26.3	90.3	92.1	92.1	0.86	98.1	2.2	2.3	7.8	73	130
IE3-180M-4	18.5	25	1465	35.3	33.5	32.3	90.7	92.6	92.6	0.86	120.6	2.0	2.3	7.8	76	162
IE3-180L-4	22	30	1465	41.8	39.7	38.3	91.1	93.0	93.0	0.86	143.4	2.0	2.3	7.8	76	175
IE3-200L-4	30	40	1470	56.6	53.8	51.9	91.7	93.6	93.6	0.86	194.9	2.0	2.3	7.3	76	227
IE3-225S-4	37	50	1475	69.6	66.1	63.7	92.0	93.9	93.9	0.86	239.6	2.0	2.3	7.4	78	282
IE3-225M-4	45	60	1475	84.4	80.2	77.3	92.3	94.2	94.2	0.86	291.4	2.0	2.3	7.4	78	315
IE3-250M-4	55	75	1475	102.7	97.6	94.1	92.7	94.6	94.6	0.86	356.1	2.2	2.3	7.4	79	390
IE3-280S-4	75	100	1480	136.3	129.5	124.8	93.1	95.0	95.0	0.88	484.0	2.0	2.3	6.9	80	525
IE3-280M-4	90	120	1480	163.2	155.1	149.5	93.3	95.2	95.2	0.88	580.7	2.0	2.3	6.9	80	590
IE3-315S-4	110	150	1480	196.8	187.0	180.2	93.5	95.4	95.4	0.89	709.8	2.0	2.2	7.0	88	900
IE3-315M-4	132	180	1480	235.7	223.9	215.8	93.7	95.6	95.6	0.89	851.8	2.0	2.2	7.0	88	1000
IE3-315L1-4	160	220	1480	285.1	270.9	261.1	93.9	95.8	95.8	0.89	1032.4	2.0	2.2	7.1	88	1070
IE3-315L2-4	200	270	1480	351.7	334.1	322.0	94.1	96.0	96.0	0.90	1290.5	2.0	2.2	7.1	88	1140
IE3-355M-4	250	340	1490	439.6	417.7	402.6	94.1	96.0	96.0	0.90	1602.3	2.0	2.2	7.1	95	1760
IE3-355L-4	315	430	1490	553.9	526.2	507.2	94.1	96.0	96.0	0.90	2019.0	2.0	2.2	7.1	102	1920
IE3-4001-4	355	480	1490	638.5	606.5	584.6	94.1	96.0	96.0	0.88	2275.3	1.7	2.2	6.5	102	2880
IE3-4002-4	400	550	1490	719.4	683.4	658.7	94.1	96.0	96.0	0.88	2563.8	1.6	2.5	6.5	102	3020
IE3-4003-4	450	600	1490	809.3	768.9	741.1	94.1	96.0	96.0	0.88	2884.2	1.6	2.5	6.5	105	3100
IE3-4004-4	500	680	1490	899.3	854.3	823.4	94.1	96.0	96.0	0.88	3204.7	1.4	2.5	6.5	105	3350
IE3-4005-4	560	760	1490	995.9	946.1	911.9	94.1	96.0	96.0	0.89	3589.3	1.4	2.5	6.5	108	3500
IE3-4006-4	630	840	1490	1120.3	1064.3	1025.8	94.1	96.0	96.0							

► IE3系列电机技术参数 / Technical Data - IE3 Motor - 6 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 Tst/Tn	最大转矩 Tmax/Tn	堵转电流 Ist/In	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE3-71M1-6	0.18	0.25	860	0.65	0.62	0.59	62.6	63.9	63.9	0.66	2.0	1.9	2.1	4.0	52	11
IE3-71M2-6	0.25	0.37	860	0.81	0.77	0.75	67.2	68.6	68.6	0.68	2.8	1.9	2.1	4.0	52	13
IE3-80M1-6	0.37	0.5	900	1.09	1.04	1.00	72.0	73.5	73.5	0.70	3.9	1.9	2.0	4.7	54	15.5
IE3-80M2-6	0.55	0.75	900	1.50	1.43	1.38	75.7	77.2	77.2	0.72	5.8	1.9	2.1	4.7	54	16.5
IE3-90S-6	0.75	1	910	2.03	1.93	1.86	77.3	78.9	78.9	0.71	7.9	2.0	2.1	6.0	57	20
IE3-90L-6	1.1	1.5	910	2.91	2.76	2.66	79.4	81.0	81.0	0.73	11.5	2.0	2.1	6.0	57	24
IE3-100L-6	1.5	2	930	3.78	3.60	3.47	80.9	82.5	82.5	0.73	15.4	2.0	2.1	6.5	61	29
IE3-112M-6	2.2	3	940	5.36	5.09	4.91	82.6	84.3	84.3	0.74	22.4	2.0	2.1	6.6	65	37
IE3-132S-6	3	4	960	7.20	6.84	6.59	83.9	85.6	85.6	0.74	29.9	2.0	2.1	6.8	69	53
IE3-132M1-6	4	5.5	960	9.46	8.99	8.66	85.1	86.8	86.8	0.74	39.8	2.0	2.1	6.8	69	64
IE3-132M2-6	5.5	7.5	960	12.7	12.0	11.6	86.2	88.0	88.0	0.75	54.7	2.0	2.1	7.0	69	72
IE3-160M-6	7.5	10	970	16.2	15.4	14.8	87.3	89.1	89.1	0.79	73.9	2.0	2.1	7.0	73	97
IE3-160L-6	11	15	970	23.1	22.0	21.2	88.5	90.3	90.3	0.80	108.3	2.0	2.1	7.2	73	126
IE3-180L-6	15	20	970	30.9	29.3	28.2	89.4	91.2	91.2	0.81	147.7	2.0	2.1	7.3	73	166
IE3-200L1-6	18.5	25	975	37.8	36.0	34.7	89.9	91.7	91.7	0.81	181.2	2.0	2.1	7.3	76	205
IE3-200L2-6	22	30	975	44.8	42.5	41.0	90.4	92.2	92.2	0.81	215.5	2.0	2.1	7.4	76	220
IE3-225M-6	30	40	980	59.1	56.2	54.1	91.0	92.9	92.9	0.83	292.3	2.0	2.1	6.9	76	290
IE3-250M-6	37	50	980	71.7	68.1	65.7	91.4	93.3	93.3	0.84	360.5	2.0	2.1	7.1	78	370
IE3-280S-6	45	60	980	85.8	81.6	78.6	91.8	93.7	93.7	0.85	438.5	2.0	2.0	7.3	80	490
IE3-280M-6	55	75	980	103.3	98.1	94.6	92.2	94.1	94.1	0.86	535.9	2.0	2.0	7.3	80	540
IE3-315S-6	75	100	985	143.4	136.2	131.3	92.7	94.6	94.6	0.84	727.1	2.0	2.0	6.6	85	850
IE3-315M-6	90	120	985	169.5	161.0	155.2	93.0	94.9	94.9	0.85	872.5	2.0	2.0	6.7	85	960
IE3-315L1-6	110	150	985	206.8	196.4	189.3	93.2	95.1	95.1	0.85	1066.4	2.0	2.0	6.7	85	1060
IE3-315L2-6	132	180	985	244.5	232.2	223.8	93.5	95.4	95.4	0.86	1279.7	2.0	2.0	6.8	85	1120
IE3-355M1-6	160	220	990	295.7	280.9	270.7	93.7	95.6	95.6	0.86	1543.3	1.8	2.0	6.8	92	1680
IE3-355M2-6	200	270	990	364.6	346.4	333.8	93.9	95.8	95.8	0.87	1929.1	1.8	2.0	6.8	92	1780
IE3-355L-6	250	340	990	455.7	433.0	417.3	93.9	95.8	95.8	0.87	2411.4	1.8	2.0	6.8	92	1950
IE3-4001-6	315	430	990	609.3	578.8	557.9	93.9	95.8	95.8	0.86	3038.6	1.8	2.0	6.8	96	2850
IE3-4002-6	355	480	990	686.6	652.3	628.7	93.9	95.8	95.8	0.82	3424.5	1.8	2.5	6.5	96	3000
IE3-4003-6	400	550	990	764.3	726.1	699.9	93.9	95.8	95.8	0.83	3858.6	1.6	2.4	6.5	100	3200
IE3-4004-6	450	600	990	859.9	816.9	787.4	93.9	95.8	95.8	0.83	4340.9	1.6	2.4	6.5	100	3400
IE3-4005-6	500	680	990	955.4	907.7	874.8	93.9	95.8	95.8	0.83	4823.2	1.6	2.4	6.5	100	3550
IE3-4501-6	560	760	990	1057.3	1004.5	968.2	93.9	95.8	95.8	0.84	5402.0	1.6	2.4	6.5	100	3600
IE3-4502-6	630	840	990	1189.5	1130.0	1089.2	93.9	95.8	95.8	0.84	6077.3	1.6	2.4	6.5	100	3800
IE3-4503-6	710	965	990	1340.5	1273.5	1227.5	93.9	95.8	95.8	0.84	6849.0	1.6	2.4	6.5	100	4000
IE3-4504-6	800	1090	990	1510.5	1435.0	1383.1	93.9	95.8	95.8	0.84	7717.2	1.6	2.4	6.5	100	4200

► IE3系列电机技术参数 / Technical Data - IE3 Motor - 8 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 Tst/Tn	最大转矩 Tmax/Tn	堵转电流 Ist/In	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE3-80M1-8	0.18	0.25	650	0.76	0.73	0.70	57.5	58.7	58.7	0.61	2.64	1.8	1.9	3.3	52	15.5
IE3-80M2-8	0.25	0.37	650	0.97	0.92	0.89	62.8	64.1	64.1	0.61	3.67	1.8	1.9	3.3	52	16.5
IE3-90S-8	0.37	0.5	660	1.33	1.26	1.22	67.9	69.3	69.3	0.61	5.35	1.8	1.9	4.0	56	20
IE3-90L-8	0.55	0.75	660	1.88	1.78	1.72	71.5	73.0	73.0	0.61	7.96	1.8	2.0	4.0	56	24
IE3-100L1-8	0.75	1	690	2.27	2.15	2.08	73.5	75.0	75.0	0.67	10.40	1.8	2.0	4.0	59	30
IE3-100L2-8	1.1	1.5	690	3.12	2.96	2.85	76.1	77.7	77.7	0.69	15.20	1.8	2.0	5.0	59	32
IE3-112M-8	1.5	2	700	4.09	3.88	3.74	78.1	79.7	79.7	0.70	20.50	1.8	2.0	5.0	61	40
IE3-132S-8	2.2	3	710	5.75	5.46	5.26	80.3	81.9	81.9	0.71	29.60	1.8	2.0	6.0	64	52
IE3-132M-8	3	4	710	7.48	7.10	6.85	81.8	83.5	83.5	0.73	40.40	1.8	2.0	6.0	64	63
IE3-160M1-8	4	5.5	720	9.8	9.33	8.99	83.1	84.8	84.8	0.73	53.10	1.9	2.0	6.0	68	90
IE3-160M2-8	5.5	7.5	720	13.1	12.4	12.0	84.5	86.2	86.2	0.74	73.00	2.0	2.0	6.0	68	100
IE3-160L-8	7.5	10	720	17.4	16.5	15.9	85.6	87.3	87.3	0.75	99.50	2.0	2.0	6.0	68	124
IE3-180L-8	11	15	730	25.2	23.9	23.0	86.8	88.6	88.6	0.75	143.9	2.0	2.0	6.6	70	160
IE3-200L-8	15	20	730	33.5	31.8	30.6	87.8	89.6	89.6	0.76	196.2	2.0	2.0	6.6	73	212
IE3-225S-8	18.5	25	730	41.0	39.0	37.6	88.3	90.1	90.1	0.76	242.0	1.9	2.0	6.6	73	255
IE3-225M-8	22	30	730	47.3	44.9	43.3	88.8	90.6	90.6	0.78	287.8	1.9	2.0	6.6	73	285
IE3-250M-8	30	40	735	63.2	60.0	57.9	89.5	91.3	91.3	0.79	389.8	1.9	2.0	6.6	75	370
IE3-280S-8	37	50	735	77.5	73.6	71.0	90.0	91.8	91.8	0.79	480.7	1.9	2.0	6.6	76	485
IE3-280M-8	45	60	735	93.9	89.2	86.0	90.4	92.2	92.2	0.79	584.7	1.9	2.0	6.6	76	540
IE3-315S-8	55	75	735	111.5	106.0	102.1	90.7	92.5	92.5	0.81	714.6	1.8	2.0	6.6	82	820
IE3-315M-8	75	100	735	151.1	143.6	138.4	91.2	93.1	93.1	0.81	974.5	1.8	2.0	6.6	82	970
IE3-315L1-8	90	120	740	178.5	169.6	163.5	91.5	93.4	93.4	0.82	1161.5	1.8	2.0	6.6	82	1050
IE3-315L2-8	110	150	740	217.5	206.6	199.2	91.8	93.7	93.7	0.82	1419.6	1.8	2.0	6.4	82	1130
IE3-355M1-8	132	180	740	260.2	247.2	238.3	92.1	94.0	94.0	0.82	1703.5	1.8	2.0	6.4	90	1720
IE3-355M2-8	160	220	740	314.4	298.7	287.9	92.4	94.3	94.3	0.82	2064.9	1.8	2.0	6.4	90	1800
IE3-355L-8	200	270	740	387.0	367.7	354.4	92.7	94.6	94.6	0.83	2581.1	1.8	2.0	6.4	90	1950
IE3-4001-8	250	340	740	501.9	476.8	459.6	92.7	94.6	94.6	0.80	3226.4	1.6	1.8	6.0	95	2850
IE3-4002-8	280	380	740	562.1	534.0	514.7	92.7	94.6	94.6	0.80	3613.5	1.6	1.8	6.0	95	2950
IE3-4003-8	315	430	740	632.4	600.8	579.1	92.7	94.6	94.6	0.80	4065.2	1.6	1.8	6.0	98	3200
IE3-4004-8	355	480	740	712.7	677.1	652.6	92.7	94.6	94.6	0.80	4581.4	1.6	1.8	6.0	98	3400
IE3-4005-8	400	550	740	803.1	762.9	735.3	92.7	94.6	94.6	0.80	5162.2	1.6	1.8	6.0	98	3600
IE3-4501-8	450	600	740	892.3	847.7	817.0	92.7	94.6	94.6	0.81	5807.4	1.6	1.8	6.0	98	3800
IE3-4502-8	500	680	740	991.4	941.9	907.8	92.7	94.6	94.6	0.81	6452.7	1.6	1.8	6.0	98	4000
IE3-4503-8	560	760	740	1110.4	1054.9	1016.8	92.7	94.6	94.6	0.81	7227.0	1.6	1.8	6.0	98	4200
IE3-4504-8	630	840	740	1249.2	1186.7	1143.8	92.7	94.6	94.6	0.81	8130.4	1.6	1.8	6.0	98	4400

► IE3系列电机技术参数 / Technical Data - IE3 Motor - 10 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 Tst/Tn	最大转矩 Tmax/Tn	堵转电流 Ist/In	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE3-315S-10	45	60	590	99.1	94.1	90.7	90.4	92.0	92.0	0.75	728.4	1.5	2.0	6.2	82	830
IE3-315M-10	55	75	590	121.1	115.1	110.9	90.4	92.0	92.0	0.75	890.3	1.5	2.0	6.2	82	940
IE3-315L1-10	75	100	590	161.6	153.5	147.9	90.7	92.8	92.8	0.76	1214.0	1.5	2.0	6.2	82	1070
IE3-315L2-10	90	120	590	191.0	181.4	174.9	91.2	93.0	93.0	0.77	1456.8	1.5	2.0	6.2	82	1150
IE3-355M1-10	110	150	590	229.7	218.2	210.3	91.3	93.3	93.3	0.78	1780.5	1.3	2.0	6.0	90	1660
IE3-355M2-10	132	180	590	274.1	260.4	251.0	91.5	93.8	93.8	0.78	2136.6	1.3	2.0	6.0	90	1780
IE3-355L-10	160	220	590	332.3	315.7	304.2	91.5	93.8	93.8	0.78	2589.8	1.3	2.0	6.0	90	1950
IE3-4001-10	200	270	595	437.8	415.9	400.9	91.5	93.8	93.8	0.74	3210.1	1.2	1.6	5.5	93	2820
IE3-4002-10	250	340	595	547.2	519.9	501.1	91.5	93.8	93.8	0.74	4012.6	1.2	1.6	5.5	93	2950
IE3-4003-10	280	380	595	612.9	582.3	561.2	91.5	93.8	93.8	0.74	4494.1	1.2	1.6	5.5	97	3100
IE3-4004-10	315	430	595	662.7	629.5	606.8	91.5	93.8	93.8	0.77	5055.9	1.2	1.6	5.5	97	3350
IE3-4005-10	355	480	595	746.8	709.5	683.8	91.8	93.8	93.8	0.77	5697.9	1.2	1.6	5.5	97	3600
IE3-4502-10	400	550	595	841.5	799.4	770.5	91.8	93.8	93.8	0.77	6420.2	1.2	1.6	5.5	97	3800
IE3-4503-10	450	600	595	946.6	899.3	866.8	91.8	93.8	93.8	0.77	7222.7	1.2	1.6	5.5	97	4050
IE3-4504-10	500	680	595	1051.8	999.2	963.1	91.8	93.8	93.8	0.77	8025.2	1.2	1.6	5.5	97	4300

► IE4系列电机技术参数 / Technical Data - IE4 Motor - 2 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 Tst/Tn	最大转矩 Tmax/Tn	堵转电流 Ist/In	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE4-63M1-2	0.18	0.25	2780	0.48	0.46	0.44	69.4	70.8	70.8	0.80	0.62	2.2	2.3	5.0	61	9
IE4-63M2-2	0.25	0.37	2780	0.63	0.60	0.58	72.8	74.3	74.3	0.81	0.86	2.2	2.3	5.0	61	10
IE4-71M1-2	0.37	0.5	2800	0.89	0.84	0.81	76.5	78.1	78.1	0.81	1.26	2.2	2.3	5.5	64	12
IE4-71M2-2	0.55	0.75	2800	1.24	1.17	1.13	79.9	81.5	81.5	0.83	1.88	2.2	2.3	5.5	64	13
IE4-80M1-2	0.75	1	2825	1.64	1.56	1.51	81.8	83.5	83.5	0.83	2.54	2.2	2.3	8.5	62	15
IE4-80M2-2	1.1	1.5	2825	2.39	2.27	2.19	83.5	85.2	85.2	0.83	3.72	2.2	2.3	8.5	62	16.5
IE4-90S-2	1.5	2	2840	3.14	2.98	2.87	84.8	86.5	86.5	0.85	5.04	2.2	2.3	9.0	67	20
IE4-90L-2	2.2	3	2840	4.47	4.25	4.09	86.2	88.0	88.0	0.86	7.40	2.2	2.3	9.0	67	24
IE4-100L-2	3	4	2870	5.88	5.59	5.38	87.3	89.1	89.1	0.87	9.98	2.2	2.3	9.5	74	31
IE4-112M-2	4	5.5	2880	7.67	7.29	7.03	88.2	90.0	90.0	0.88	13.30	2.2	2.3	9.5	77	38
IE4-132S1-2	5.5	7.5	2900	10.4	9.9	9.6	89.1	90.9	90.9	0.88	18.10	2.0	2.3	9.5	79	58
IE4-132S2-2	7.5	10	2900	14.1	13.4	12.9	89.9	91.7	91.7	0.89	24.70	2.0	2.3	9.5	79	62
IE4-160M1-2	11	15	2930	20.3	19.3	18.6	90.7	92.6	92.6	0.89	35.90	2.0	2.3	9.5	81	103
IE4-160M2-2	15	20	2930	27.4	26.1	25.1	91.4	93.3	93.3	0.89	48.90	2.0	2.3	9.5	81	112
IE4-160L-2	18.5	25	2930	33.7	32.0	30.9	91.8	93.7	93.7	0.89	60.30	2.0	2.3	9.5	81	135
IE4-180M-2	22	30	2940	40.0	38.0	36.6	92.1	94.0	94.0	0.89	71.50	2.0	2.3	9.5	83	165
IE4-200L1-2	30	40	2950	54.2	51.5	49.6	92.6	94.5	94.5	0.89	97.10	2.0	2.3	9.0	84	215
IE4-200L2-2	37	50	2950	66.6	63.3	61.0	92.9	94.8	94.8	0.89	119.8	2.0	2.3	9.0	84	232
IE4-225M-2	45	60	2960	80.9	76.8	74.0	93.1	95.0	95.0	0.89	145.2	2.0	2.3	9.0	86	285
IE4-250M-2	55	75	2965	98.5	93.6	90.2	93.4	95.3	95.3	0.89	177.2	2.0	2.3	9.0	89	375
IE4-280S-2	75	100	2970	133.9	127.2	122.6	93.7	95.6	95.6	0.89	241.2	1.8	2.3	8.5	91	500
IE4-280M-2	90	120	2970	160.4	152.4	146.9	93.9	95.8	95.8	0.89	289.4	1.8	2.3	8.5	91	550
IE4-315S-2	110	150	2975	195.6	185.8	179.1	94.1	96.0	96.0	0.89	353.1	1.8	2.2	8.5	92	860
IE4-315M-2	132	180	2975	234.2	222.5	214.5	94.3	96.2	96.2	0.89	423.7	1.8	2.2	8.5	92	960
IE4-315L1-2	160	220	2975	283.6	269.5	259.7	94.4	96.3	96.3	0.89	513.6	1.8	2.2	8.5	92	1020
IE4-315L2-2	200	270	2975	353.8	336.1	324.0	94.6	96.5	96.5	0.89	642.0	1.8	2.2	8.5	92	1080
IE4-355M-2	250	340	2980	432.6	410.9	396.1	94.6	96.5	96.5	0.91	801.2	1.6	2.2	8.5	97	1700
IE4-355L-2	315	430	2980	545.0	517.8	499.1	94.6	96.5	96.5	0.91	1009.5	1.6	2.2	8.5	97	1850
IE4-4001-2	355	480	2980	621.1	590.0	568.7	94.6	96.5	96.5	0.90	1137.7	1.3	1.8	8.6	97	2850
IE4-4002-2	400	550	2980	699.8	664.8	640.8	94.6	96.5	96.5	0.90	1281.9	0.9	1.8	8.6	97	3000
IE4-4003-2	450	600	2980	787.2	747.9	720.9	94.6	96.5	96.5	0.90	1442.1	0.9	1.8	8.6	97	3150
IE4-4004-2	500	680	2980	874.7	831.0	800.9	94.6	96.5	96.5	0.90	1602.3	0.9	1.8	8.6	97	3300
IE4-4005-2	560	760	2980	968.9	920.5	887.2	94.6	96.5	96.5	0.91	1794.6	0.9	1.8	8.7	97	3450
IE4-4006-2	630	840	2980	1090.0	1035.5	998.1	94.6	96.5	96.5	0.91	2019.0	0.9	1.8	8.7	97	3600
IE4-4501-2	710	965	2980	1228.5	1167.0	1124.8	94.6	96.5	96.5	0.91	2275.3	0.9	1.8	8.0	97	3500
IE4-4502-2	800	1090	2980	1384.2	1315.0	1267.4	94.6	96.5	96.5	0.91	2563.8	0.9	1.8	8.0	97	3650
IE4-4503-2	900	1225	2980	1557.2	1479.3	1425.9	94.6	96.5	96.5	0.91	2884.2	0.9	1.8	8.0	97	3800
IE4-4504-2	1000	1360	2980	1711.4	1625.8	1567.1	94.6	96.5	96.5	0.92	3204.7	0.9	1.8	8.1	97	3900

► IE4系列电机技术参数 / Technical Data - IE4 Motor - 4 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 堵转转矩	最大转矩 最大转矩	堵转电流 堵转电流	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE4-63M1-4	0.12	0.18	1350	0.36	0.34	0.33	68.4	69.8	69.8	0.72	0.85	2.0	2.2	4.0	52	8
IE4-63M2-4	0.18	0.25	1350	0.50	0.48	0.46	73.2	74.7	74.7	0.73	1.27	2.0	2.2	4.0	52	9
IE4-71M1-4	0.25	0.37	1380	0.66	0.63	0.60	76.3	77.9	77.9	0.74	1.73	2.0	2.2	4.0	55	10
IE4-71M2-4	0.37	0.50	1380	0.92	0.88	0.85	79.5	81.1	81.1	0.75	2.56	2.0	2.2	4.0	55	12
IE4-80M1-4	0.55	0.75	1390	1.33	1.26	1.22	82.2	83.9	83.9	0.75	3.78	2.4	2.3	5.2	56	14.5
IE4-80M2-4	0.75	1	1390	1.75	1.66	1.60	84.0	85.7	85.7	0.74	5.15	2.3	2.3	8.5	56	15
IE4-90S-4	1.1	1.5	1400	2.49	2.36	2.28	85.5	87.2	87.2	0.75	7.50	2.3	2.3	8.5	59	19
IE4-90L-4	1.5	2	1400	3.27	3.11	3.00	86.4	88.2	88.2	0.76	10.20	2.3	2.3	9.0	59	23
IE4-100L1-4	2.2	3	1420	4.61	4.38	4.22	87.7	89.5	89.5	0.79	14.80	2.3	2.3	9.0	64	30
IE4-100L2-4	3	4	1420	6.15	5.84	5.63	88.6	90.4	90.4	0.80	20.20	2.3	2.3	9.5	64	33
IE4-112M-4	4	5.5	1440	8.14	7.73	7.45	89.3	91.1	91.1	0.80	26.50	2.3	2.3	9.5	65	43
IE4-132S-4	5.5	7.5	1440	11.0	10.4	10.0	90.1	91.9	91.9	0.80	36.50	2.0	2.3	9.5	71	60
IE4-132M-4	7.5	10	1440	14.7	13.9	13.4	90.7	92.6	92.6	0.81	49.70	2.0	2.3	9.5	71	69
IE4-160M-4	11	15	1460	21.3	20.3	19.5	91.4	93.3	93.3	0.83	72.00	2.0	2.3	9.5	73	107
IE4-160L-4	15	20	1460	28.6	27.1	26.1	92.0	93.9	93.9	0.84	98.10	2.0	2.3	9.5	73	130
IE4-180M-4	18.5	25	1465	34.7	33.0	31.8	92.3	94.2	94.2	0.85	120.6	2.0	2.3	9.5	73	162
IE4-180L-4	22	30	1465	41.1	39.1	37.7	92.6	94.5	94.5	0.85	143.4	2.0	2.3	9.5	73	175
IE4-200L-4	30	40	1470	55.9	53.1	51.1	93.0	94.9	94.9	0.85	194.9	2.0	2.3	9.0	76	227
IE4-225S-4	37	50	1475	67.9	64.5	62.2	93.3	95.2	95.2	0.85	239.6	2.0	2.3	9.0	78	282
IE4-225M-4	45	60	1475	82.4	78.3	75.4	93.5	95.4	95.4	0.85	291.4	2.0	2.3	9.0	78	315
IE4-250M-4	55	75	1475	100.4	95.4	91.9	93.8	95.7	95.7	0.86	356.1	2.0	2.3	9.0	79	390
IE4-280S-4	75	100	1480	136.4	129.6	124.9	94.1	96.0	96.0	0.87	484.0	2.0	2.3	8.5	80	525
IE4-280M-4	90	120	1480	163.6	155.4	149.8	94.2	96.1	96.1	0.88	580.7	2.0	2.3	8.5	80	590
IE4-315S-4	110	150	1480	197.2	187.4	180.6	94.4	96.3	96.3	0.89	709.8	1.8	2.2	8.5	88	900
IE4-315M-4	132	180	1480	236.4	224.6	216.5	94.5	96.4	96.4	0.89	851.8	1.8	2.2	8.5	88	1000
IE4-315L1-4	160	220	1480	279.6	265.6	256.0	94.7	96.6	96.6	0.90	1032.4	1.8	2.2	8.5	88	1070
IE4-315L2-4	200	270	1480	349.2	331.7	319.7	94.8	96.7	96.7	0.90	1290.5	1.8	2.2	8.5	88	1140
IE4-355M-4	250	340	1490	436.5	414.6	399.6	94.8	96.7	96.7	0.90	1602.3	1.8	2.2	8.5	92	1760
IE4-355L-4	315	430	1490	549.9	522.4	503.6	94.80	96.7	96.7	0.90	2019.0	1.8	2.2	8.5	92	1920
IE4-4001-4	355	480	1490	633.9	602.2	580.4	94.8	96.7	96.7	0.88	2275.3	0.9	1.8	8.5	93	2880
IE4-4002-4	400	550	1490	714.2	678.5	654.0	94.8	96.7	96.7	0.88	2563.8	0.9	1.8	8.5	93	3020
IE4-4003-4	450	600	1490	803.5	763.3	735.7	94.8	96.7	96.7	0.88	2884.2	0.8	1.8	8.5	93	3100
IE4-4004-4	500	680	1490	892.7	848.1	817.5	94.8	96.7	96.7	0.88	3204.7	0.8	1.8	8.5	93	3350
IE4-4005-4	560	760	1490	988.6	939.2	905.3	94.8	96.7	96.7	0.89	3589.3	0.8	1.8	8.6	93	3500
IE4-4006-4	630	840	1490	1112.2	1056.6	1018.4	94.8	96.7	96.7	0.89	4037.9	0.8	1.8	8.6	93	3600
IE4-4501-4	710	965	1490	1253.5	1190.8	1147.7	94.8	96.7	96.7	0.89	4550.7	0.6	1.8	7.8	95	3550
IE4-4502-4	800	1090	1490	1396.7	1326.8	1278.9	94.8	96.7	96.7	0.90	5127.5	0.6	1.8	7.9	95	3750
IE4-4503-4	900	1225	1490	1571.2	1492.7	1438.7	94.8	96.7	96.7	0.90	5768.5	0.6	1.8	7.9	95	3950
IE4-4504-4	1000	1360	1490	1745.8	1658.5	1598.6	94.8	96.7	96.7	0.90	6409.4	0.6	1.8	7.9	95	4100

► IE4系列电机技术参数 / Technical Data - IE4 Motor - 6 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 堵转转矩	最大转矩 最大转矩	堵转电流 堵转电流	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE4-71M1-6	0.18	0.25	860	0.59	0.56	0.54	68.7	70.1	70.1	0.66	2.00	1.9	2.1	4.0	52	11
IE4-71M2-6	0.25	0.37	860	0.75	0.72	0.69	72.6	74.1	74.1	0.68	2.78	1.9	2.1	4.0	52	13
IE4-80M1-6	0.37	0.50	900	1.03	0.98	0.94	76.4	78.0	78.0	0.70	3.93	1.9	2.0	4.7	54	15.5
IE4-80M2-6	0.55	0.75	900	1.43	1.36	1.31	79.3	80.9	80.9	0.72	5.84	1.9	2.1	4.7	54	16.5
IE4-90S-6	0.75	1	910	1.97	1.87	1.80	81.0	82.7	82.7	0.70	7.87	2.1	2.1	7.5	57	20
IE4-90L-6	1.1	1.5	910	2.83	2.68	2.59	82.8	84.5	84.5	0.70	11.54	2.1	2.1	7.5	57	24
IE4-100L-6	1.5	2	930	3.74	3.55	3.42	84.2	85.9	85.9	0.71	15.40	2.1	2.1	7.5	61	29
IE4-112M-6	2.2	3	940	5.39	5.12	4.93	85.7	87.4	87.4	0.71	22.35	2.1	2.1	7.5	65	37
IE4-132S-6	3	4	960	7.25	6.88	6.63	86.8	88.6	88.6	0.71	29.85	2.0	2.1	7.5	69	53
IE4-132M1-6	4	5.5	960	9.43	8.96	8.64	87.7	89.5	89.5	0.72	39.80	2.0	2.1	8.0	69	64
IE4-132M2-6	5.5	7.5	960	12.8	12.2	11.7	88.7	90.5	90.5	0.72	54.70	2.0	2.1	8.0	69	72
IE4-160M-6	7.5	10	970	16.4	15.6	15.0	89.5	91.3	91.3	0.76	73.85	2.0	2.1	8.0	73	97
IE4-160L-6	11	15	970	23.5	22.3	21.5	90.5	92.3	92.3	0.77	108.3	2.0	2.1	8.5	73	126
IE4-180L-6	15	20	970	30.7	29.1	28.1	91.0	92.9	92.9	0.80	147.7	2.0	2.1	8.5	73	166
IE4-200L1-6	18.5	25	975	37.6	35.7	34.4	91.5	93.4	93.4	0.80	181.2	2.0	2.1	8.5	73	205
IE4-200L2-6	22	30	975	44.0	41.8	40.3	91.8	93.7	93.7	0.81	215.5	2.0	2.1	8.5	73	220
IE4-225M-6	30	40	980	59.0	56.1	54.0	92.3	94.2	94.2	0.82	292.3	2.0	2.1	8.5	74	290
IE4-250M-6	37	50	980	71.7	68.1	65.6	92.6	94.5	94.5	0.83	360.5	2.0	2.1	8.5	76	370
IE4-280S-6	45	60	980	86.9	82.6	79.6	92.9	94.8	94.8	0.83	438.5	2.0	2.0	8.5	78	490
IE4-280M-6	55	75	980	104.6	99.4	95.8	93.2	95.1	95.1	0.84	535.9	2.0	2.0	8.5	78	540
IE4-315S-6	75	100	985	142.2	135.1	130.2	93.5	95.4	95.4	0.84	727.1	1.6	2.0	8.0	83	850
IE4-315M-6	90	120	985	168.3	159.9	154.1	93.7	95.6	95.6	0.85	872.5	1.6	2.0	8.0	83	960
IE4-315L1-6	110	150	985	205.2	195.0	187.9	93.9	95.8	95.8	0.85	1066.4	1.6	2.0	8.0	83	1060
IE4-315L2-6	132	180	985	242.9	230.8	222.4	94.1	96.0	96.0	0.86	1279.7	1.6	2.0	8.0	83	1120
IE4-355M1-6	160	220	990	293.8	279.2	269.1	94.3	96.2	96.2	0.86	1543.3	1.6	2.0	8.0	85	1680
IE4-355M2-6	200	270	990	366.9	348.6	336.0	94.4	96.3	96.3	0.86	1929.1	1.6	2.0	8.0	91	1780
IE4-355L-6	250	340	990	457.7	434.8	419.1	94.6	96.5	96.5	0.86	2411.4	1.6	2.0	8.0	91	1950
IE4-4001-6	315	430	990	604.2	574.0	553.3	94.7	96.6	96.6	0.82	3038.6	0.9	1.8	7.9	92	2850
IE4-4002-6	355	480	990	680.9	646.9	623.5	94.7	96.6	96.6	0.82	3424.5	0.8	1.8	7.9	92	3000
IE4-4003-6	400	550	990	758.0	720.1	694.1	94.7	96.6	96.6	0.83	3858.6	0.8	1.8	8.0	92	3200
IE4-4004-6	450	600	990	852.8	810.1	780.8	94.7	96.6	96.6	0.83	4340.9	0.8	1.8	8.1	92	3400
IE4-4005-6	500	680	990	947.5	900.1	867.6	94.7	96.6	96.6	0.83	4823.2	0.8	1.8	8.1	92	3550
IE4-4501-6	560	760	990	1048.6	996.1	960.1	94.7	96.6	96.6	0.84	5402.0	0.8	1.8	7.4	95	3600
IE4-4502-6	630	840	990	1179.6	1120.7	1080.2	94.7	96.6	96.6	0.84	6077.3	0.8	1			

► IE4系列电机技术参数 / Technical Data - IE4 Motor - 8 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 堵转转矩	最大转矩 最大转矩	堵转电流 堵转电流	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE4-80M1-8	0.18	0.25	650	0.67	0.63	0.61	65.9	67.2	67.2	0.61	2.64	1.8	1.9	3.3	52	15.5
IE4-80M2-8	0.25	0.37	650	0.88	0.84	0.81	69.4	70.8	70.8	0.61	3.67	1.8	1.9	3.3	52	16.5
IE4-90S-8	0.37	0.50	660	1.24	1.18	1.14	72.8	74.3	74.3	0.61	5.35	1.8	1.9	4.0	56	20
IE4-90L-8	0.55	0.75	660	1.78	1.69	1.63	75.5	77.0	77.0	0.61	7.96	1.8	2.0	4.0	56	24
IE4-100L1-8	0.75	1.00	690	2.20	2.09	2.02	76.8	78.4	78.4	0.66	10.40	1.8	2.0	7.0	59	30
IE4-100L2-8	1.1	1.5	690	3.09	2.93	2.83	79.2	80.8	80.8	0.67	15.20	2.0	2.0	7.0	59	32
IE4-112M-8	1.5	2.0	700	4.00	3.80	3.66	80.9	82.6	82.6	0.69	20.50	2.0	2.0	7.0	61	40
IE4-132S-8	2.2	3.0	710	5.65	5.37	5.17	82.8	84.5	84.5	0.70	29.60	1.8	2.0	7.5	64	52
IE4-132M-8	3.0	4.0	710	7.58	7.20	6.94	84.2	85.9	85.9	0.70	40.40	1.8	2.0	7.8	64	63
IE4-160M1-8	4.0	5.5	720	9.8	9.34	9.00	85.4	87.1	87.1	0.71	53.10	1.8	2.0	7.9	68	90
IE4-160M2-8	5.5	7.5	720	13.1	12.5	12.0	86.5	88.3	88.3	0.72	73.00	1.8	2.0	8.1	68	100
IE4-160L-8	7.5	10.0	720	17.2	16.4	15.8	87.5	89.3	89.3	0.74	99.50	1.8	2.0	7.8	68	124
IE4-180L-8	11	15	730	25.0	23.7	22.9	88.6	90.4	90.4	0.74	143.9	1.8	2.0	7.9	70	160
IE4-200L-8	15	20	730	33.3	31.7	30.5	89.4	91.2	91.2	0.75	196.2	1.8	2.0	8.0	73	212
IE4-225S-8	18.5	25	730	40.9	38.8	37.4	89.9	91.7	91.7	0.75	242.0	1.8	2.0	8.1	73	255
IE4-225M-8	22	30	730	47.8	45.4	43.7	90.3	92.1	92.1	0.76	287.8	1.8	2.0	8.3	73	285
IE4-250M-8	30	40	735	63.9	60.7	58.5	90.8	92.7	92.7	0.77	389.8	1.8	2.0	7.9	75	370
IE4-280S-8	37	50	735	77.4	73.5	70.9	91.2	93.1	93.1	0.78	480.7	1.8	2.0	7.9	76	485
IE4-280M-8	45	60	735	93.9	89.2	85.9	91.5	93.4	93.4	0.78	584.7	1.8	2.0	7.9	76	540
IE4-315S-8	55	75	735	111.5	105.9	102.1	91.8	93.7	93.7	0.80	714.6	1.6	2.0	8.2	82	820
IE4-315M-8	75	100	735	151.2	143.7	138.5	92.3	94.2	94.2	0.80	974.5	1.6	2.0	7.6	82	970
IE4-315L1-8	90	120	740	178.8	169.9	163.8	92.5	94.4	94.4	0.81	1161.5	1.6	2.0	7.7	82	1050
IE4-315L2-8	110	150	740	217.9	207.0	199.5	92.8	94.7	94.7	0.81	1419.6	1.6	2.0	7.7	82	1130
IE4-355M1-8	132	180	740	260.9	247.9	238.9	93.0	94.9	94.9	0.81	1703.5	1.6	2.0	7.7	89	1720
IE4-355M2-8	160	220	740	311.7	296.2	285.4	93.2	95.1	95.1	0.82	2064.9	1.6	2.0	7.7	89	1800
IE4-355L-8	200	270	740	388.5	369.0	355.7	93.5	95.4	95.4	0.82	2581.1	1.6	2.0	7.8	89	1950
IE4-4001-8	250	340	740	497.7	472.8	455.7	93.5	95.4	95.4	0.80	3226.4	1.6	1.8	7.6	91	2850
IE4-4002-8	280	380	740	557.4	529.6	510.4	93.5	95.4	95.4	0.80	3613.5	1.6	1.8	7.6	91	2950
IE4-4003-8	315	430	740	627.1	595.8	574.2	93.5	95.4	95.4	0.80	4065.2	1.6	1.8	7.6	91	3200
IE4-4004-8	355	480	740	706.7	671.4	647.1	93.5	95.4	95.4	0.80	4581.4	1.6	1.8	7.6	91	3400
IE4-4005-8	400	550	740	796.3	756.5	729.2	93.5	95.4	95.4	0.80	5162.2	1.6	1.8	7.6	91	3600
IE4-4501-8	450	600	740	884.8	840.6	810.2	93.5	95.4	95.4	0.81	5807.4	1.6	1.8	7.6	93	3800
IE4-4502-8	500	680	740	983.1	934.0	900.2	93.5	95.4	95.4	0.81	6452.7	1.6	1.8	7.8	93	4000
IE4-4503-8	560	760	740	1101.1	1046.0	1008.2	93.5	95.4	95.4	0.81	7227.0	1.6	1.8	7.8	93	4200
IE4-4504-8	630	840	740	1238.7	1176.8	1134.3	93.5	95.4	95.4	0.81	8130.4	1.6	1.8	7.8	93	4400

► IE4系列电机技术参数 / Technical Data - IE4 Motor - 10 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 堵转转矩	最大转矩 最大转矩	堵转电流 堵转电流	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE4-315S-10	45	60	590	99.6	94.7	91.2	89.7	91.5	91.5	0.75	728.4	1.5	2.0	6.2	82	830
IE4-315M-10	55	75	590	121.1	115.1	110.9	90.0	92.0	92.0	0.75	890.3	1.5	2.0	6.2	82	940
IE4-315L1-10	75	100	590	162.1	154.0	148.4	90.2	92.5	92.5	0.76	1214.0	1.5	2.0	6.2	82	1070
IE4-315L2-10	90	120	590	191.0	181.4	174.9	91.3	93.0	93.0	0.77	1456.8	1.5	2.0	6.2	82	1150
IE4-355M1-10	110	150	590	229.9	218.4	210.5	91.7	93.2	93.2	0.78	1780.5	1.3	2.0	6.0	90	1660
IE4-355M2-10	132	180	590	275.0	261.3	251.8	91.5	93.5	93.5	0.78	2136.6	1.3	2.0	6.0	90	1780
IE4-355L-10	160	220	590	333.3	316.7	305.2	91.5	93.5	93.5	0.78	2589.8	1.3	2.0	6.0	90	1950
IE4-4001-10	200	270	595	415.3	394.6	380.3	91.7	93.8	93.8	0.78	3210.1	1.2	1.6	5.5	93	2820
IE4-4002-10	250	340	595	519.2	493.2	475.4	91.7	93.8	93.8	0.78	4012.6	1.2	1.6	5.5	93	2950
IE4-4003-10	280	380	595	581.5	552.4	532.4	91.7	93.8	93.8	0.78	4494.1	1.2	1.6	5.5	97	3100
IE4-4004-10	315	430	595	654.2	621.4	599.0	91.7	93.8	93.8	0.78	5055.9	1.2	1.6	5.5	97	3350
IE4-4005-10	355	480	595	737.20	700.40	675.00	91.8	93.8	93.8	0.78	5697.9	1.2	1.6	5.5	97	3600
IE4-4502-10	400	550	595	830.70	789.10	760.60	91.8	93.8	93.8	0.78	6420.2	1.2	1.6	5.5	97	3800
IE4-4503-10	450	600	595	934.50	887.80	855.70	91.8	93.8	93.8	0.78	7222.7	1.2	1.6	5.5	97	4050
IE4-4504-10	500	680	595	1038.30	986.40	950.80	91.8	93.8	93.8	0.78	8025.2	1.2	1.6	5.5	97	4300

► IE5系列电机技术参数 / Technical Data - IE5 Motor - 2 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 Tst/Tn	最大转矩 Tmax/Tn	堵转电流 Ist/In	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE5-63M1-2	0.18	0.25	2780	0.45	0.43	0.42	74.4	75.8	75.2	0.80	0.62	2.2	2.3	6.0	61	10
IE5-63M2-2	0.25	0.37	2780	0.60	0.57	0.55	77.5	78.9	78.3	0.81	0.86	2.2	2.3	6.0	61	11
IE5-71M1-2	0.37	0.5	2800	0.85	0.81	0.78	80.9	82.4	81.7	0.81	1.26	2.2	2.3	6.6	64	13
IE5-71M2-2	0.55	0.75	2800	1.19	1.13	1.09	83.8	85.3	84.6	0.83	1.88	2.2	2.3	6.6	64	14
IE5-80M1-2	0.75	1	2825	1.59	1.51	1.46	85.4	87.0	86.3	0.83	2.54	2.2	2.3	7.3	67	17
IE5-80M2-2	1.1	1.5	2825	2.27	2.15	2.08	86.9	88.5	87.8	0.84	3.72	2.2	2.3	8.4	67	18
IE5-90S-2	1.5	2	2840	3.05	2.90	2.79	88.0	89.6	88.9	0.84	5.04	2.2	2.3	8.4	72	22
IE5-90L-2	2.2	3	2840	4.36	4.14	3.99	89.3	90.9	90.2	0.85	7.40	2.2	2.3	8.4	72	26
IE5-100L-2	3	4	2870	5.75	5.46	5.27	90.2	91.8	91.1	0.87	9.98	2.2	2.3	9.0	76	34
IE5-112M-2	4	5.5	2880	7.52	7.15	6.89	90.9	92.5	91.8	0.88	13.30	2.2	2.3	9.0	77	42
IE5-132S1-2	5.5	7.5	2900	10.3	9.74	9.39	91.7	93.3	92.6	0.88	18.10	2.2	2.3	9.0	80	64
IE5-132S2-2	7.5	10	2900	13.9	13.2	12.7	92.4	94.1	93.3	0.88	24.70	2.2	2.3	9.0	80	68
IE5-160M1-2	11	15	2930	20.0	19.0	18.3	93.1	94.8	94.0	0.89	35.90	2.2	2.3	9.0	86	113
IE5-160M2-2	15	20	2930	27.1	25.7	24.8	93.6	95.3	94.5	0.89	48.90	2.2	2.3	9.0	86	123
IE5-160L-2	18.5	25	2930	33.3	31.6	30.5	94.0	95.7	94.9	0.89	60.30	2.2	2.3	9.0	86	149
IE5-180M-2	22	30	2940	39.5	37.5	36.2	94.1	95.9	95.1	0.89	71.50	2.0	2.3	9.0	89	182
IE5-200L1-2	30	40	2950	53.6	51.0	49.1	94.5	96.3	95.5	0.89	97.10	2.0	2.3	9.0	92	237
IE5-200L2-2	37	50	2950	65.9	62.6	60.4	94.8	96.6	95.8	0.89	119.8	2.0	2.3	9.0	92	255
IE5-225M-2	45	60	2960	80.0	76.0	73.3	95.0	96.8	96.0	0.89	145.2	2.0	2.3	9.0	92	314
IE5-250M-2	55	75	2965	97.6	92.7	89.4	95.2	97.0	96.2	0.89	177.2	2.0	2.3	9.0	93	413
IE5-280S-2	75	100	2970	132.7	126.1	121.5	95.5	97.3	96.5	0.89	241.2	2.0	2.3	9.0	94	550
IE5-280M-2	90	120	2970	159.1	151.1	145.6	95.6	97.4	96.6	0.89	289.4	2.0	2.3	9.0	94	605
IE5-315S-2	110	150	2975	194.0	184.3	177.6	95.8	97.57	96.8	0.89	353.1	1.8	2.2	8.5	96	946
IE5-315M-2	132	180	2975	232.6	220.9	212.9	95.9	97.7	96.9	0.89	423.7	1.8	2.2	8.5	96	1056
IE5-315L1-2	160	220	2975	281.6	267.5	257.9	96.0	97.8	97.0	0.89	513.6	1.8	2.2	8.5	99	1122
IE5-315L2-2	200	270	2975	351.3	333.7	321.7	96.2	98.0	97.2	0.89	642.0	1.8	2.2	8.5	99	1188
IE5-355M-2	250	340	2980	429.4	408.0	393.2	96.2	98.0	97.2	0.91	801.2	1.6	2.2	8.5	103	1870
IE5-355L-2	315	430	2980	541.1	514.0	495.5	96.2	98.0	97.2	0.91	1009.5	1.6	2.2	8.5	103	2035
IE5-4001-2	355	480	2980	616.6	585.8	564.6	96.2	98.0	97.2	0.90	1137.7	1.3	2.0	7.8	106	3135
IE5-4002-2	400	550	2980	694.7	660.0	636.1	96.2	98.0	97.2	0.90	1281.9	1.3	2.0	7.8	106	3300
IE5-4003-2	450	600	2980	781.6	742.5	715.7	96.2	98.0	97.2	0.90	1442.1	1.3	2.0	7.8	109	3465
IE5-4004-2	500	680	2980	868.4	825.0	795.2	96.2	98.0	97.2	0.90	1602.3	1.3	2.0	7.8	109	3630
IE5-4005-2	560	760	2980	961.9	913.8	880.8	96.2	98.0	97.2	0.91	1794.6	1.3	2.0	7.8	109	3795
IE5-4006-2	630	840	2980	1082.2	1028.1	990.9	96.2	98.0	97.2	0.91	2019.0	1.3	2.0	7.8	109	3960
IE5-4501-2	710	965	2980	1219.6	1158.6	1116.8	96.2	98.0	97.2	0.91	2275.3	1.3	2.0	7.8	109	3850
IE5-4502-2	800	1090	2980	1374.2	1305.5	1258.3	96.2	98.0	97.2	0.91	2563.8	1.3	2.0	7.8	109	4015
IE5-4503-2	900	1225	2980	1546.0	1468.7	1415.6	96.2	98.0	97.2	0.91	2884.2	1.3	2.0	7.8	109	4180
IE5-4504-2	1000	1360	2980	1699.1	1614.1	1555.8	96.2	98.0	97.2	0.92	3204.7	1.3	2.0	7.8	109	4290

► IE5系列电机技术参数 / Technical Data - IE5 Motor - 4 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 Tst/Tn	最大转矩 Tmax/Tn	堵转电流 Ist/In	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE5-63M1-4	0.12	0.18	1350	0.34	0.32	0.31	73.6	74.9	74.3	0.72	0.85	2.0	2.2	4.8	52	9
IE5-63M2-4	0.18	0.25	1350	0.48	0.45	0.44	77.9	79.39	78.7	0.73	1.27	2.0	2.2	4.8	52	10
IE5-71M1-4	0.25	0.37	1380	0.63	0.60	0.58	80.7	82.2	81.5	0.74	1.73	2.0	2.2	4.8	55	11
IE5-71M2-4	0.37	0.5	1380	0.89	0.84	0.81	83.5	85.0	84.3	0.75	2.56	2.0	2.2	4.8	55	13
IE5-80M1-4	0.55	0.75	1390	1.29	1.22	1.18	85.8	87.4	86.7	0.75	3.78	2.4	2.3	6.2	58	16
IE5-80M2-4	0.75	1	1390	1.70	1.61	1.56	87.3	88.9	88.2	0.76	5.15	2.3	2.3	7.2	58	17
IE5-90S-4	1.1	1.5	1400	2.43	2.31	2.23	88.3	89.9	89.2	0.77	7.5	2.3	2.3	7.2	61	21
IE5-90L-4	1.5	2	1400	3.19	3.03	2.92	89.5	91.1	90.4	0.79	10.2	2.3	2.3	7.2	61	25
IE5-100L1-4	2.2	3	1420	4.52	4.29	4.13	90.5	92.1	91.4	0.81	14.8	2.3	2.3	8.4	64	33
IE5-100L2-4	3	4	1420	6.04	5.73	5.53	91.2	92.8	92.1	0.82	20.2	2.3	2.3	8.4	64	36
IE5-112M-4	4	5.5	1440	7.99	7.59	7.31	91.9	93.5	92.8	0.82	26.5	2.3	2.3	8.4	65	47
IE5-132S-4	5.5	7.5	1440	10.8	10.2	9.87	92.5	94.2	93.4	0.83	36.5	2.3	2.3	8.4	71	66
IE5-132M-4	7.5	10	1440	14.4	13.7	13.2	93.1	94.8	94.0	0.84	49.7	2.3	2.3	8.4	71	76
IE5-160M-4	11	15	1460	21.0	20.0	19.3	93.7	95.4	94.6	0.84	72.0	2.2	2.3	8.4	75	118
IE5-160L-4	15	20	1460	28.2	26.8	25.8	94.1	95.9	95.1	0.85	98.1	2.2	2.3	9.0	75	143
IE5-180M-4	18.5	25	1465	34.3	32.6	31.4	94.3	96.1	95.3	0.86	120.6	2.2	2.3	9.0	76	178
IE5-180L-4	22	30	1465	40.7	38.7	37.3	94.5	96.3	95.5	0.86	143.4	2.2	2.3	9.0	76	193
IE5-200L-4	30	40	1470	55.3	52.5	50.6	94.9	96.7	95.9	0.86	194.9	2.2	2.3	8.6	79	250
IE5-225S-4	37	50	1475	67.2	63.9	61.6	95.1	96.9	96.1	0.87	239.6	2.2	2.3	8.6	81	310
IE5-225M-4	45	60	1475	81.6	77.5	74.7	95.3	97.1	96.3	0.87	291.4	2.2	2.3	8.6	81	347
IE5-250M-4	55	75	1475	99.5	94.6	91.1	95.5	97.3	96.5	0.87	356.1	2.2	2.3	8.6	83	429
IE5-280S-4	75	100	1480	135.5	128.7	124.0	95.7	97.5	96.7	0.87	484.0	2.2	2.3	8.6	86	578
IE5-280M-4	90	120	1480	162.2	154.1	148.5	95.9	97.7	96.9	0.87	580.7	2.2	2.3	8.6	86	649
IE5-315S-4	110	150	1480	195.8	186.0	179.3	96.0	97.8	97.0	0.88	709.8	2.1	2.2	8.3	93	990
IE5-315M-4	132	180	1480	234.7	223.0	214.9	96.1	97.9	97.1	0.88	851.8	2.1	2.2	8.3	93	1100
IE5-315L1-4	160	220	1480	277.9	264.0	254.5	96.2	98.0	97.2	0.90	1032.4	2.1	2.2	8.3	97	1177
IE5-315L2-4	200	270	1480	346.7	329.3	317.4	96.4	98.2	97.4	0.90	1290.5	2.1	2.2	8.3	97	1254
IE5-355M-4	250	340	1490	433.3	411.7	396.8	96.4	98.2	97.4	0.90	1602.3	2.1	2.2	8.3	101	1936
IE5-355L-4	315	430	1490	546.0	518.7	499.9	96.4	98.2	97.4	0.90	2019.0	2.1	2.2	8.3	101	2112
IE5-4001-4	355	480	1490	629.3	597.8	576.2	96.4	98.2	97.4	0.88	2275.3	1.6	2.0	7.8	104	3168
IE5-4002-4	400	550	1490	709.1	673.6	649.3	96.4	98.2	97.4	0.88	2563.8	1.6	2.0	7.8	104	3322
IE5-4003-4	450	600	1490	797.7	757.8	730.4	96.4	98.2	97.4	0.88	2884.2	1.6	2.0	7.8	107	3410
IE5-4004-4	500	680	1490	886.3	842.0	811.6	96.4	98.2	97.4	0.88	3204.7	1.6	2.0	7.8	107	3685
IE5-4005-4	560	760	1490	981.5	932.5	898.8	96.4	98.2	97.4	0.89	3589.3	1.6	2.0	7.8	107	3850
IE5-4006-4	630	840	1490	1104.2	1049.0	1011.1	96.4	98.2	97.4							

► IE5系列电机技术参数 / Technical Data - IE5 Motor - 6 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩	最大转矩	堵转电流	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE5-71M1-6	0.18	0.25	860	0.56	0.53	0.51	73.9	75.2	74.6	0.66	2.00	1.9	2.1	4.8	52	12
IE5-71M2-6	0.25	0.37	860	0.72	0.68	0.65	77.3	78.7	78.1	0.68	2.78	1.9	2.1	4.8	52	14
IE5-80M1-6	0.37	0.50	900	0.98	0.93	0.90	80.8	82.3	81.6	0.70	3.93	1.9	2.0	5.6	54	17
IE5-80M2-6	0.55	0.75	900	1.38	1.31	1.26	83.4	84.9	84.2	0.72	5.84	1.9	2.1	5.6	54	18
IE5-90S-6	0.75	1	910	1.90	1.80	1.74	84.8	86.4	85.7	0.70	7.87	2.0	2.1	6.6	57	22
IE5-90L-6	1.1	1.5	910	2.74	2.60	2.51	86.3	87.9	87.2	0.70	11.54	2.0	2.1	6.6	57	26
IE5-100L-6	1.5	2	930	3.63	3.45	3.32	87.5	89.1	88.4	0.71	15.40	2.0	2.1	6.6	61	32
IE5-112M-6	2.2	3	940	5.25	4.99	4.81	88.8	90.4	89.7	0.71	22.35	2.0	2.1	7.8	65	41
IE5-132S-6	3	4	960	7.09	6.73	6.49	89.7	91.3	90.6	0.71	29.85	2.1	2.1	7.8	69	58
IE5-132M1-6	4	5.5	960	9.24	8.77	8.46	90.5	92.1	91.4	0.72	39.80	2.1	2.1	7.8	69	70
IE5-132M2-6	5.5	7.5	960	12.6	12.0	11.5	91.3	92.9	92.2	0.72	54.70	2.1	2.1	7.8	69	79
IE5-160M-6	7.5	10	970	16.1	15.3	14.8	92.0	93.6	92.9	0.76	73.85	2.0	2.1	7.8	73	107
IE5-160L-6	11	15	970	23.2	22.0	21.2	92.8	94.5	93.7	0.77	108.3	2.0	2.1	7.8	73	139
IE5-180L-6	15	20	970	30.2	28.7	27.7	93.4	95.1	94.3	0.80	147.7	2.0	2.1	8.4	73	183
IE5-200L1-6	18.5	25	975	37.1	35.3	34.0	93.7	95.4	94.6	0.80	181.2	2.1	2.1	8.4	76	226
IE5-200L2-6	22	30	975	43.5	41.3	39.8	94.0	95.7	94.9	0.81	215.5	2.1	2.1	8.4	76	242
IE5-225M-6	30	40	980	58.3	55.4	53.4	94.3	96.1	95.3	0.82	292.3	2.0	2.1	8.4	76	319
IE5-250M-6	37	50	980	70.9	67.3	64.9	94.6	96.4	95.6	0.83	360.5	2.1	2.1	8.4	78	407
IE5-280S-6	45	60	980	86.0	81.7	78.7	94.8	96.6	95.8	0.83	438.5	2.1	2.0	8.4	80	539
IE5-280M-6	55	75	980	103.6	98.5	94.9	95.0	96.8	96.0	0.84	535.9	2.1	2.0	8.4	80	594
IE5-315S-6	75	100	985	140.9	133.8	129.0	95.3	97.1	96.3	0.84	727.1	2.0	2.0	8.4	85	935
IE5-315M-6	90	120	985	166.7	158.4	152.7	95.5	97.3	96.5	0.85	872.5	2.0	2.0	8.4	85	1056
IE5-315L1-6	110	150	985	203.6	193.4	186.4	95.6	97.4	96.6	0.85	1066.4	2.0	2.0	8.0	85	1166
IE5-315L2-6	132	180	985	240.9	228.9	220.6	95.8	97.6	96.8	0.86	1279.7	2.0	2.0	8.0	85	1232
IE5-355M1-6	160	220	990	291.7	277.1	267.1	95.9	97.7	96.9	0.86	1543.3	1.9	2.0	8.0	92	1848
IE5-355M2-6	200	270	990	364.3	346.1	333.6	96.0	97.8	97.0	0.86	1929.1	1.9	2.0	8.0	92	1958
IE5-355L-6	250	340	990	455.3	432.6	417.0	96.0	97.8	97.0	0.86	2411.4	1.9	2.0	8.0	92	2145
IE5-4001-6	315	430	990	601.7	571.6	551.0	96.0	97.8	97.0	0.82	3038.6	1.6	1.9	7.4	96	3135
IE5-4002-6	355	480	990	678.1	644.2	621.0	96.0	97.8	97.0	0.82	3424.5	1.6	1.9	7.4	96	3300
IE5-4003-6	400	550	990	754.9	717.1	691.2	96.0	97.8	97.0	0.83	3858.6	1.6	1.9	7.4	100	3520
IE5-4004-6	450	600	990	849.2	806.8	777.6	96.0	97.8	97.0	0.83	4340.9	1.6	1.9	7.4	100	3740
IE5-4005-6	500	680	990	943.6	896.4	864.0	96.0	97.8	97.0	0.83	4823.2	1.6	1.9	7.4	100	3905
IE5-4501-6	560	760	990	1044.3	992.0	956.2	96.0	97.8	97.0	0.84	5402.0	1.6	1.9	7.4	100	3960
IE5-4502-6	630	840	990	1174.8	1116.0	1075.7	96.0	97.8	97.0	0.84	6077.3	1.6	1.9	7.4	100	4180
IE5-4503-6	710	965	990	1324.0	1257.8	1212.3	96.0	97.8	97.0	0.84	6849.0	1.6	1.9	7.4	100	4400
IE5-4504-6	800	1090	990	1491.8	1417.2	1366.0	96.0	97.8	97.0	0.84	7717.2	1.6	1.9	7.4	100	4620

► IE5系列电机技术参数 / Technical Data - IE5 Motor - 8 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩	最大转矩	堵转电流	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE5-80M1-8	0.18	0.25	650	0.62	0.59	0.57	71.2	72.5	71.9	0.61	2.64	1.8	1.9	4.0	52	17
IE5-80M2-8	0.25	0.37	650	0.83	0.79	0.76	74.4	75.8	75.2	0.61	3.67	1.8	1.9	4.0	52	18
IE5-90S-8	0.37	0.50	660	1.18	1.12	1.08	77.6	79.0	78.4	0.61	5.35	1.8	1.9	4.8	56	22
IE5-90L-8	0.55	0.75	660	1.70	1.61	1.56	79.8	81.2	80.6	0.61	7.96	1.8	2.0	4.8	56	26
IE5-100L1-8	0.75	1	690	2.11	2.00	1.93	81.2	82.7	82.0	0.66	10.40	1.8	2.0	4.8	59	33
IE5-100L2-8	1.1	1.5	690	2.97	2.82	2.72	83.2	84.7	84.0	0.67	15.20	1.8	2.0	6.0	59	35
IE5-112M-8	1.5	2	700	3.86	3.67	3.54	84.6	86.2	85.5	0.69	20.50	1.8	2.0	6.0	61	44
IE5-132S-8	2.2	3	710	5.48	5.20	5.01	86.3	87.9	87.2	0.70	29.60	1.8	2.0	7.2	64	57
IE5-132M-8	3	4	710	7.37	7.00	6.74	87.5	89.1	88.4	0.70	40.40	1.8	2.0	7.2	64	69
IE5-160M1-8	4	5.5	720	9.57	9.10	8.77	88.5	90.1	89.4	0.71	53.10	1.9	2.0	7.2	68	99
IE5-160M2-8	5.5	7.5	720	12.9	12.2	11.8	89.5	91.1	90.4	0.72	73.00	2.0	2.0	7.2	68	110
IE5-160L-8	7.5	10	720	16.9	16.0	15.4	90.4	92.0	91.3	0.74	99.50	2.0	2.0	7.2	68	136
IE5-180L-8	11	15	730	24.5	23.3	22.4	91.3	92.9	92.2	0.74	143.9	2.0	2.0	7.9	70	176
IE5-200L-8	15	20	730	32.7	31.1	30.0	92.0	93.6	92.9	0.75	196.2	2.0	2.0	7.9	73	233
IE5-225S-8	18.5	25	730	40.2	38.2	36.8	92.4	94.1	93.3	0.75	242.0	1.9	2.0	7.9	73	281
IE5-225M-8	22	30	730	47.0	44.6	43.0	92.7	94.4	93.6	0.76	287.8	1.9	2.0	7.9	73	314
IE5-250M-8	30	40	735	62.9	59.8	57.6	93.2	94.9	94.1	0.77	389.8	1.9	2.0	7.9	75	407
IE5-280S-8	37	50	735	76.4	72.5	69.9	93.5	95.2	94.4	0.78	480.7	1.9	2.0	7.9	76	534
IE5-280M-8	45	60	735	92.6	87.9	84.76	93.8	95.5	94.7	0.78	584.7	1.9	2.0	7.9	76	594
IE5-315S-8	55	75	735	110.1	104.6	100.8	94.0	95.7	94.9	0.80	714.6	1.8	2.0	7.9	82	902
IE5-315M-8	75	100	735	149.5	142.0	136.9	94.3	96.1	95.3	0.80	974.5	1.8	2.0	7.9	82	1067
IE5-315L1-8	90	120	740	176.8	167.9	161.9	94.5	96.3	95.5	0.81	1161.5	1.8	2.0	7.9	82	1155
IE5-315L2-8	110	150	740	215.6	204.8	197.4	94.7	96.5	95.7	0.81	1419.6	1.8	2.0	7.7	82	1243
IE5-355M1-8	132	180	740	258.2	245.3	236.4	94.9	96.7	95.9	0.81	1703.5	1.8	2.0	7.7	90	1892
IE5-355M2-8	160	220	740	308.5	293.1	282.5	95.1	96.9	96.1	0.82	2064.9	1.8	2.0	7.7	90	1980
IE5-355L-8	200	270	740	384.8	365.6	352.4	95.3	97.1	96.3	0.82	2581.1	1.8	2.0	7.7	90	2145
IE5-4001-8	250	340	740	493.1	468.4	451.5	95.3	97.1	96.3	0.80	3226.4	1.6	1.8	7.2	95	3135
IE5-4002-8	280	380	740	552.2	524.6	505.7	95.3	97.1	96.3	0.80	3613.5	1.6	1.8	7.2	95	3245
IE5-4003-8	315	430	740	621.2	590.2	568.9	95.3	97.1	96.3	0.80	4065.2	1.6	1.8	7.2	98	3520
IE5-4004-8	355	480	740	700.1	665.1	641.1	95.3	97.1	96.3	0.80	4581.4	1.6	1.8	7.2	98	3740
IE5-4005-8	400	550	740	788.9	749.4	722.4	95.3	97.1	96.3	0.80	5162.2	1.6	1.8	7.2	98	3960
IE5-4501-8	450	600	740	876.6	832.7	802.6	95.3	97.1	96.3	0.81	5807.4	1.6	1.8	7.2	98	4180
IE5-4502-8	500	680	740	973.9	925.2	891.8	95.3	97.1	96.3	0.81	6452.7	1.6	1.8	7.2	98	4400
IE5-4503-8	560	760	740	1090.8	1036.3	998.9	95.3	97.1	96.3	0.81	7227.0	1.6	1.8	7.2	98	4620
IE5-4504-8	630	840	740	1227.2	1165.8	1123.7	95.3	97.1	96.3	0.81	8130.4	1.6	1.8	7.2	98	4840

► IE5系列电机技术参数 / Technical Data - IE5 Motor - 10 Poles - 50Hz

电机型号 Type	额定功率 Rated Output		满载时 Full Load								额定转矩 Rated Torque (Tn)	堵转转矩 额定转矩	最大转矩 额定转矩	堵转电流 额定电流	噪声 Noise	重量 Weight
			转速 Speed	电 流 Input Current (A)			效 率 Efficiency η %			功率因素 Power Factor						
	kW	HP		RPM	380V	400V	415V	50% Load	75% Load		100% Load	Cosφ	N.m	Tst/Tn	Tmax/Tn	Ist/In
IE5-315S-10	45	60	590	99.5	94.6	91.1	90.7	92.1	91.6	0.75	728.4	1.5	2.0	7.4	82	913
IE5-315M-10	55	75	590	121.0	114.9	110.8	91.2	92.6	92.1	0.75	890.3	1.5	2.0	7.4	82	1034
IE5-315L1-10	75	100	590	161.9	153.8	148.3	91.7	93.1	92.6	0.76	1214.0	1.5	2.0	7.4	82	1177
IE5-315L2-10	90	120	590	190.8	181.2	174.7	92.2	93.6	93.1	0.77	1456.8	1.5	2.0	7.4	82	1265
IE5-355M1-10	110	150	590	229.7	218.2	210.3	92.4	93.8	93.3	0.78	1780.5	1.3	2.0	7.2	90	1826
IE5-355M2-10	132	180	590	274.77	261.0	251.5	92.7	94.1	93.6	0.78	2136.6	1.3	2.0	7.2	90	1958
IE5-355L-10	160	220	590	333.0	316.3	304.9	92.7	94.1	93.6	0.78	2589.8	1.3	2.0	7.2	90	2145
IE5-4001-10	200	270	595	414.9	394.2	379.9	93.0	94.4	93.9	0.78	3210.1	1.2	1.6	6.6	93	3102
IE5-4002-10	250	340	595	518.6	492.7	474.9	93.0	94.4	93.9	0.78	4012.6	1.2	1.6	6.6	93	3245
IE5-4003-10	280	380	595	580.9	551.8	531.9	93.0	94.4	93.9	0.78	4494.1	1.2	1.6	6.6	97	3410
IE5-4004-10	315	430	595	653.5	620.8	598.4	93.0	94.4	93.9	0.78	5055.9	1.2	1.6	6.6	97	3685
IE5-4005-10	355	480	595	736.4	699.6	674.3	93.0	94.4	93.9	0.78	5697.9	1.2	1.6	6.6	97	3960
IE5-4502-10	400	550	595	829.8	788.3	759.8	93.0	94.4	93.9	0.78	6420.2	1.2	1.6	6.6	97	4180
IE5-4503-10	450	600	595	933.5	886.8	854.8	93.0	94.4	93.9	0.78	7222.7	1.2	1.6	6.6	97	4455
IE5-4504-10	500	680	595	1037.2	985.4	949.8	93.0	94.4	93.9	0.78	8025.2	1.2	1.6	6.6	97	4730

YKK/YXKK 系列高压三相异步电动机

[ YKK/YXKK series high voltage three phase asynchronous motor ]



► 选型配置 / Options

环境温度: -15°C~40°C  
 海 拔: 不超过1000米  
 额定功率: 132kW-6300kW  
 机 座: H280-H800  
 机座材质: 焊接机座  
 额定电压: 2000V-13000V  
 频 率: 50/60Hz  
 防护等级: IP54/IP55  
 绝缘等级: F级/H级  
 工 作 制: S1-S6

Ambient Temperature: -15°C~40°C  
 Altitude: up to 1000 meters  
 Rated Power: 132kW-6300kW  
 Frame Size: H280-H800  
 Frame Material: Steel  
 Rated Voltage: 2000V-13000V  
 Rated Frequency: 50/60Hz  
 Ingress Protection: IP54/IP55  
 Insulation Class: F/H  
 Work Duty: S1-S6

## YBBP 系列隔爆型变频调速三相异步电动机

YBBP series variable frequency flameproof three phase asynchronous motor



YBBP系列隔爆型变频调速三相异步电动机是YBX3系列隔爆型三相异步电动机的派生产品,该系列电机在与变频调速装置组成的系统中,可实现无极调速,以达到节能和自动化控制的目的。YBBP系列电机采用鼠笼型结构,运行可靠,维护方便,并配有独立的冷却风机,保证电机在不同转速下均有良好的冷却效果。

YBBP系列电机适用于各种需要调速的传动装置中,主要用于煤矿、石油天然气、石油化工和化学工业等需要防爆的行业,通常用于驱动泵、风机、压缩机和其他传动机械。

YBBP系列电机防爆标志分为:Ex db II AT4/BT4 Gb适用于工厂用 II 类A级和B级,温度组别为T1、T2、T3、T4和T5组的爆炸性气体混合物存在的环境。

YBBP series variable frequency flameproof three phase asynchronous motor is designed on the basis of YBX3 series flameproof motors. In order to achieve the purpose of energy saving and automatic control in the system with frequency conversion device, YBBP series motor could adjust speed stepless. It has features as squirrel cage type, reliable operation, and easy maintenance and so on. An independent cooling fan ensures the motor has good cooling effect in different speed.

YBBP series motor are suitable for transmissions of different kinds, mainly used in coal, oil and natural gas, petrochemical and chemical industries, usually used to drive pumps, fans, compressors and other transmission machinery.

YBBP series motor could marked as Ex db II AT4/BT4 which are applied in the condition of explosion-proof gas compound with Factory II type, Grade A & B, temperature T1, T2, T3, T4 and T5.

### ► 选型配置 / Options

环境温度: -15°C~40°C  
海拔: 不超过1000米  
额定功率: 0.37kW-355kW  
机座: H80-H355  
机座材质: 铸铁  
额定电压: 220V-1140V  
频率: 5Hz-100Hz  
防护等级: IP54/IP55/IP56/IP65/IP66  
绝缘等级: F/H  
工作制: S1-S6

Ambient Temperature: -15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 0.37kW-355kW  
Frame Size: H80-H355  
Frame Material: Cast Iron  
Rated Voltage: 220V-1140V  
Rated Frequency: 5Hz-100Hz  
Ingress Protection: IP54/IP55/IP56/IP65/IP66  
Insulation Class: F/H  
Work Duty: S1-S6

## FL-V 系列变频调速三相异步电动机

FL-V series variable frequency three phase asynchronous motor



FL-V系列变频调速专用三相异步电动机是一种由变频调速装置供电的专用电机,该系列电机在与变频调速装置组成的系统中,可实现无极调速,以达到节能和自动化控制的目的。FL-V系列电机采用鼠笼型结构,运行可靠,维护方便,并配有独立的冷却风机,保证电机在不同转速下均有良好的冷却效果。

FL-V系列电机适用于各种需要调速的传动装置中,广泛应用于机床、纺织、轻工、化工、冶金等行业。配合高精度传感器,可实现高精度闭环控制。

该系列电机的安装尺寸与输出功率等级和YE3系列电机相同,符合国家标准GB/T 4772.1-1999 (等同国际电工委员会标准IEC60072-1:1991),方便用户的配套和选用。

FL-V series variable frequency converter-fed three phase induction motor is a kind of special motor which is driven by frequency converter. Rotating speed of the FL-V series motor can be regulated stepless by frequency converter, thus enable energy saving and automatic control of the motor. FL-V series motor is fitted with ventilation fan which provide better cooling effect to ensure motor running at various speed.

FL-V series motors are suitable for transmissions by which speed-regulation is needed, are widely used in light industries, metallurgy industries, textile industries, chemical industries, machine tool industries etc. Being fitted with highly accurate sensor, the motors can achieve highly accurate operation of closed loop.

To be convenient for users, dimensions and rated output of FL-V series motors are the same as those of IE3/IE2/IE1 series motors, also in conformity with IEC 60072-1:1991.

### ► 选型配置 / Options

环境温度: -15°C~40°C  
海拔: 不超过1000米  
额定功率: 0.37kW-355kW  
机座: H80-H355  
机座材质: 铸铁  
额定电压: 220V-1140V  
频率: 5Hz-100Hz  
防护等级: IP54/IP55/IP56/IP65/IP66  
绝缘等级: F/H  
工作制: S1-S6

Ambient Temperature: -15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 0.37kW-355kW  
Frame Size: H80-H355  
Frame Material: Cast Iron  
Rated Voltage: 220V-1140V  
Rated Frequency: 5Hz-100Hz  
Ingress Protection: IP54/IP55/IP56/IP65/IP66  
Insulation Class: F/H  
Work Duty: S1-S6

## FL-AV / FL-FV / FL-GV 系列铝壳变频调速三相异步电动机

FL-AV / FL-FV / FL-GV series aluminium-housing variable frequency three phase asynchronous motor



FL-AV

FL-FV

FL-GV

FL-AV/FL-FV/FL-GV系列铝壳变频调速三相异步电动机是一种由变频调速装置供电的专用电机,该系列电机在与变频调速装置组成的系统中,可实现无极调速,以达到节能和自动化控制的目的。FL-AV/FV/GV系列电机采用鼠笼型结构,运行可靠,维护方便,并配有独立的冷却风机,保证电机在不同转速下均有良好的冷却效果。

FL-AV/FL-FV/FL-GV系列电机采用了铝合金压铸机座、端盖、接线盒、以及可拆卸式底脚,其安装尺寸与功率等级和YE3系列铝壳电机保持一致,可适用于各种需要调速的传动装置中,广泛应用于机床、纺织、轻工、化工、冶金等行业。配合高精度传感器,可实现高精度闭环控制。

FL-AV/FL-FV/FL-GV series aluminium-housing variable frequency three phase asynchronous motor is a kind of special motor which is driven by frequency converter. Rotating speed of motor can be regulated steplessly by frequency converter, thus enable energy saving and automatic control of the motor. FL-AV/FL-FV/FL-GV series motors are fitted with ventilation fans which provide better cooling effect to ensure motors running at various speed.

Since aluminum-alloy material has been introduced into its housing, end shield, terminal box and removable feet. Motor has wonderful appearance and smooth surface. Despite that, dimensions and output power of FL-AV/FV/GV series aluminium-housing motors are the same as those of IE3/IE2/IE1 series three phase asynchronous motors, suitable for transmissions by which speed-regulation is needed, are widely used in light industries, metallurgy industries, textile industries, chemical industries, machine tool industries etc. Being fitted with highly accurate sensors, the motors can achieve highly accurate operation of closed loop.

### ▶ 选型参数/ Selection

环境温度: -15°C~40°C  
海拔: 不超过1000米  
额定功率: 0.12kW-18.5kW  
机座: H63-H160  
机座材质: 铸铝  
额定电压: 220V-1140V  
频率: 5Hz-100Hz  
防护等级: IP54/IP55/IP56/IP65/IP66  
绝缘等级: F  
工作制: S1-S6

Ambient Temperature: -15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 0.12kW-18.5kW  
Frame Size: H63-H160  
Frame Material: Aluminium  
Rated Voltage: 220V-1140V  
Rated Frequency: 5Hz-100Hz  
Ingress Protection: IP54/IP55/IP56/IP65/IP66  
Insulation Class: F  
Work Duty: S1-S6

► 变频调速电机技术参数 / Technical Data - Variable Frequency Motor- 2 Poles - 50Hz

电机型号 Model	额定功率 Rated Output		满载时 Full Load						额定转矩 Rated Torque (Tn)	恒转矩变频范围 Constant Torque Frequency Range	恒功率变频范围 Constant Output Frequency Range	噪声 Noise	重量 Weight
			转速 Speed RPM	电 流 Input Current(A)			效 率 Efficiency η%	功率因素 power factor Cosφ					
	kW	HP		380V	400V	415V			N.m	Hz	Hz	dB(A)	Kg
FL-80M1-2V	0.75	1.00	2825	1.83	1.74	1.68	75.0	0.83	2.54	5-50	50-100	79	15
FL-80M2-2V	1.1	1.5	2825	2.61	2.48	2.39	76.2	0.84	3.72	5-50	50-100	79	16.5
FL-90S-2V	1.5	2.0	2840	3.46	3.28	3.16	78.5	0.84	5.04	5-50	50-100	84	20
FL-90L-2V	2.2	3.0	2840	4.85	4.61	4.45	81.0	0.85	7.40	5-50	50-100	84	24
FL-100L-2V	3.0	4.0	2870	6.34	6.03	5.81	82.6	0.87	9.98	5-50	50-100	91	31
FL-112M-2V	4.0	5.5	2880	8.20	7.79	7.51	84.2	0.88	13.30	5-50	50-100	93	38
FL-132S1-2V	5.5	7.5	2900	11.1	10.5	10.1	85.7	0.88	18.10	5-50	50-100	96	58
FL-132S2-2V	7.5	10.0	2900	14.9	14.1	13.6	87.0	0.88	24.70	5-50	50-100	96	62
FL-160M1-2V	11	15	2930	21.2	20.2	19.5	88.4	0.89	35.90	5-50	50-100	98	103
FL-160M2-2V	15	20	2930	28.6	27.2	26.2	89.4	0.89	48.90	5-50	50-100	98	112
FL-160L-2V	18.5	25	2930	34.7	33.0	31.8	90.0	0.90	60.30	5-50	50-100	98	135
FL-180M-2V	22	30	2940	41.0	39.0	37.6	90.5	0.90	71.50	5-50	50-100	100	165
FL-200L1-2V	30	40	2950	55.4	52.6	50.7	91.4	0.90	97.10	5-50	50-100	101	215
FL-200L2-2V	37	50	2950	67.9	64.5	62.2	92.0	0.90	119.8	5-50	50-100	101	232
FL-225M-2V	45	60	2960	82.1	78.0	75.2	92.5	0.90	145.2	5-50	50-100	103	285
FL-250M-2V	55	75	2965	99.8	94.8	91.4	93.0	0.90	177.2	5-50	50-100	106	375
FL-280S-2V	75	100	2970	135.3	128.5	123.9	93.6	0.90	241.2	5-50	50-100	108	500
FL-280M-2V	90	120	2970	160.0	152.0	146.5	93.9	0.91	289.4	5-50	50-100	108	550
FL-315S-2V	110	150	2975	195.4	185.6	178.9	94.0	0.91	353.1	5-50	50-100	109	860
FL-315M-2V	132	180	2975	233.2	221.6	213.6	94.5	0.91	423.7	5-50	50-100	109	960
FL-315L1-2V	160	220	2975	279.3	265.4	255.8	94.6	0.92	513.6	5-50	50-100	115	1020
FL-315L2-2V	200	270	2975	348.4	331.0	319.0	94.8	0.92	642.0	5-50	50-100	115	1080
FL-355M-2V	250	340	2980	433.7	412.0	397.1	95.2	0.92	801.2	5-50	50-75	115	1700
FL-355L-2V	315	430	2980	545.3	518.0	499.3	95.4	0.92	1009.5	5-50	50-75	115	1850

► 变频调速电机技术参数 / Technical Data - Variable Frequency Motor- 4 Poles - 50Hz

电机型号 Model	额定功率 Rated Output		满载时 Full Load						额定转矩 Rated Torque (Tn)	恒转矩变频范围 Constant Torque Frequency Range	恒功率变频范围 Constant Output Frequency Range	噪声 Noise	重量 Weight
			转速 Speed RPM	电 流 Input Current(A)			效 率 Efficiency η%	功率因素 power factor Cosφ					
	kW	HP		380V	400V	415V			N.m	Hz	Hz	dB(A)	Kg
FL-80M1-4V	0.55	0.75	1390	1.57	1.49	1.44	71.0	0.75	3.78	5-50	50-100	73	15
FL-80M2-4V	0.75	1.00	1390	2.05	1.95	1.88	73.0	0.76	5.15	5-50	50-100	73	16
FL-90S-4V	1.1	1.5	1400	2.85	2.71	2.61	76.2	0.77	7.50	5-50	50-100	76	20
FL-90L-4V	1.5	2.0	1400	3.68	3.49	3.37	78.5	0.79	10.20	5-50	50-100	76	24
FL-100L1-4V	2.2	3.0	1420	5.09	4.84	4.67	81.0	0.81	14.80	5-50	50-100	79	32
FL-100L2-4V	3.0	4.0	1420	6.73	6.39	6.16	82.6	0.82	20.20	5-50	50-100	79	35
FL-112M-4V	4.0	5.5	1440	8.80	8.36	8.06	84.2	0.82	26.50	5-50	50-100	80	43
FL-132S-4V	5.5	7.5	1440	11.7	11.2	10.8	85.7	0.83	36.50	5-50	50-100	86	62
FL-132M-4V	7.5	10.0	1440	15.6	14.8	14.3	87.0	0.84	49.70	5-50	50-100	86	70
FL-160M-4V	11	15	1460	22.5	21.4	20.6	88.4	0.84	72.00	5-50	50-100	90	110
FL-160L-4V	15	20	1460	30.0	28.5	27.5	89.4	0.85	98.10	5-50	50-100	90	132
FL-180M-4V	18.5	25	1465	36.3	34.5	33.3	90.0	0.86	120.6	5-50	50-100	91	162
FL-180L-4V	22	30	1465	42.9	40.8	39.3	90.5	0.86	143.4	5-50	50-100	91	178
FL-200L-4V	30	40	1470	58.0	55.1	53.1	91.4	0.86	194.9	5-50	50-100	92	230
FL-225S-4V	37	50	1475	70.2	66.7	64.3	92.0	0.87	239.6	5-50	50-100	94	280
FL-225M-4V	45	60	1475	85.0	80.7	77.8	92.5	0.87	291.4	5-50	50-100	94	315
FL-250M-4V	55	75	1475	103.3	98.1	94.6	93.0	0.87	356.1	5-50	50-100	96	385
FL-280S-4V	75	100	1480	139.9	132.9	128.1	93.6	0.87	484.0	5-50	50-100	99	515
FL-280M-4V	90	120	1480	167.4	159.0	153.3	93.9	0.87	580.7	5-50	50-100	99	580
FL-315S-4V	110	150	1480	201.0	190.9	184.0	94.5	0.88	709.8	5-50	50-100	105	880
FL-315M-4V	132	180	1480	240.4	228.4	220.1	94.8	0.88	851.8	5-50	50-100	105	980
FL-315L1-4V	160	220	1480	287.8	273.4	263.6	94.9	0.89	1032.4	5-50	50-100	109	1040
FL-315L2-4V	200	270	1480	359.8	341.8	329.4	94.9	0.89	1290.5	5-50	50-100	109	1120
FL-355M-4V	250	340	1490	443.3	421.2	405.9	95.2	0.90	1602.3	5-50	50-75	110	1760
FL-355L-4V	315	430	1490	558.6	530.7	511.5	95.2	0.90	2019.0	5-50	50-75	110	1920

► 变频调速电机技术参数 / Technical Data - Variable Frequency Motor- 6 Poles - 50Hz

电机型号 Model	额定功率 Rated Output		满载时 Full Load						额定转矩 Rated Torque (Tn)	恒转矩变频范围 Constant Torque Frequency Range	恒功率变频范围 Constant Output Frequency Range	噪声 Noise	重量 Weight
			转速 Speed RPM	电 流 Input Current(A)			效率 Efficiency η%	功率因素 power factor Cosφ					
	kW	HP		380V	400V	415V			N.m	Hz	Hz	dB(A)	Kg
FL-80M1-6V	0.37	0.50	900	1.30	1.23	1.19	62.0	0.70	3.93	5-50	50-100	44	15.5
FL-80M2-6V	0.55	0.75	900	1.79	1.70	1.64	65.0	0.72	5.84	5-50	50-100	44	16.5
FL-90S-6V	0.75	1.00	910	2.29	2.18	2.10	69.0	0.72	7.87	5-50	50-100	72	20
FL-90L-6V	1.1	1.5	910	3.18	3.02	2.91	72.0	0.73	11.54	5-50	50-100	72	24
FL-100L-6V	1.5	2.0	930	4.00	3.80	3.66	76.0	0.75	15.40	5-50	50-100	76	29
FL-112M-6V	2.2	3.0	940	5.57	5.29	5.10	79.0	0.76	22.35	5-50	50-100	80	37
FL-132S-6V	3.0	4.0	960	7.40	7.03	6.78	81.0	0.76	29.85	5-50	50-100	84	53
FL-132M1-6V	4.0	5.5	960	9.75	9.26	8.93	82.0	0.76	39.80	5-50	50-100	84	64
FL-132M2-6V	5.5	7.5	960	12.9	12.3	11.8	84.0	0.77	54.70	5-50	50-100	84	72
FL-160M-6V	7.5	10.0	970	17.2	16.3	15.8	86.0	0.77	73.85	5-50	50-100	85	97
FL-160L-6V	11	15	970	24.5	23.3	22.4	87.5	0.78	108.3	5-50	50-100	85	126
FL-180L-6V	15	20	970	31.6	30.0	28.9	89.0	0.81	147.7	5-50	50-100	88	166
FL-200L1-6V	18.5	25	975	38.6	36.6	35.3	90.0	0.81	181.2	5-50	50-100	88	205
FL-200L2-6V	22	30	975	44.7	42.5	41.0	90.0	0.83	215.5	5-50	50-100	88	220
FL-225M-6V	30	40	980	59.3	56.3	54.3	91.5	0.84	292.3	5-50	50-100	89	290
FL-250M-6V	37	50	980	71.1	67.5	65.1	92.0	0.86	360.5	5-50	50-100	91	370
FL-280S-6V	45	60	980	85.9	81.7	78.7	92.5	0.86	438.5	5-50	50-100	93	490
FL-280M-6V	55	75	980	104.7	99.5	95.9	92.8	0.86	535.9	5-50	50-100	93	540
FL-315S-6V	75	100	985	141.7	134.6	129.8	93.5	0.86	727.1	5-50	50-100	98	850
FL-315M-6V	90	120	985	169.5	161.0	155.2	93.8	0.86	872.5	5-50	50-100	98	960
FL-315L1-6V	110	150	985	206.7	196.4	189.3	94.0	0.86	1066.4	5-50	50-100	99	1060
FL-315L2-6V	132	180	985	244.7	232.5	224.1	94.2	0.87	1279.7	5-50	50-100	99	1120
FL-355M1-6V	160	220	990	292.3	277.7	267.7	94.5	0.88	1543.3	5-50	50-100	99	1680
FL-355M2-6V	200	270	990	365.4	347.1	334.6	94.5	0.88	1929.1	5-50	50-100	99	1780
FL-355L-6V	250	340	990	456.8	433.9	418.2	94.5	0.88	2411.4	5-50	50-100	99	1950

► 变频调速电机技术参数 / Technical Data - Variable Frequency Motor- 8/10 Poles - 50Hz

电机型号 Model	额定功率 Rated Output		满载时 Full Load						额定转矩 Rated Torque (Tn)	恒转矩变频范围 Constant Torque Frequency Range	恒功率变频范围 Constant Output Frequency Range	噪声 Noise	重量 Weight
			转速 Speed RPM	电 流 Input Current(A)			效率 Efficiency η%	功率因素 power factor Cosφ					
	kW	HP		380V	400V	415V			N.m	Hz	Hz	dB(A)	Kg
FL-80M1-8V	0.18	0.25	650	0.88	0.84	0.80	51.0	0.61	2.64	5-50	50-100	52	15.5
FL-80M2-8V	0.25	0.37	650	1.15	1.10	1.06	54.0	0.61	3.67	5-50	50-100	52	16.5
FL-90S-8V	0.37	0.50	660	1.49	1.41	1.36	62.0	0.61	5.35	5-50	50-100	56	20
FL-90L-8V	0.55	0.75	660	2.17	2.07	1.99	63.0	0.61	7.96	5-50	50-100	56	24
FL-100L1-8V	0.75	1.00	690	2.40	2.28	2.19	71.0	0.67	10.40	5-50	50-100	59	30
FL-100L2-8V	1.1	1.5	690	3.32	3.15	3.04	73.0	0.69	15.20	5-50	50-100	59	32
FL-112M-8V	1.5	2.0	700	4.40	4.18	4.03	75.0	0.69	20.50	5-50	50-100	61	40
FL-132S-8V	2.2	3.0	710	6.04	5.73	5.53	78.0	0.71	29.60	5-50	50-100	64	52
FL-132M-8V	3.0	4.0	710	7.90	7.51	7.24	79.0	0.73	40.40	5-50	50-100	64	63
FL-160M1-8V	4.0	5.5	720	10.3	9.76	9.41	81.0	0.73	53.10	5-50	50-100	68	90
FL-160M2-8V	5.5	7.5	720	13.6	12.9	12.5	83.0	0.74	73.00	5-50	50-100	68	100
FL-160L-8V	7.5	10.0	720	17.8	16.9	16.3	85.5	0.75	99.50	5-50	50-100	68	124
FL-180L-8V	11	15	730	25.1	23.9	23.0	87.5	0.76	143.9	5-50	50-100	70	160
FL-200L-8V	15	20	730	34.1	32.4	31.2	88.0	0.76	196.2	5-50	50-100	73	212
FL-225S-8V	18.5	25	730	41.1	39.0	37.6	90.0	0.76	242.0	5-50	50-100	73	255
FL-225M-8V	22	30	730	47.4	45.0	43.4	90.5	0.78	287.8	5-50	50-100	73	285
FL-250M-8V	30	40	735	63.4	60.2	58.1	91.0	0.79	389.8	5-50	50-100	75	370
FL-280S-8V	37	50	735	77.8	73.9	71.2	91.5	0.79	480.7	5-50	50-100	76	485
FL-280M-8V	45	60	735	94.1	89.4	86.1	92.0	0.79	584.7	5-50	50-100	76	540
FL-315S-8V	55	75	735	111.2	105.6	101.8	92.8	0.81	714.6	5-50	50-100	82	820
FL-315M-8V	75	100	735	151.3	143.7	138.5	93.0	0.81	974.5	5-50	50-100	82	970
FL-315L1-8V	90	120	740	177.8	168.9	162.8	93.8	0.82	1161.5	5-50	50-100	82	1050
FL-315L2-8V	110	150	740	216.8	206.0	198.5	94.0	0.82	1419.6	5-50	50-100	82	1130
FL-355M1-8V	132	180	740	261.0	248.0	239.0	93.7	0.82	1703.5	5-50	50-100	90	1720
FL-355M2-8V	160	220	740	314.7	299.0	288.2	94.2	0.82	2064.9	5-50	50-100	90	1800
FL-355L-8V	200	270	740	387.4	368.1	354.8	94.5	0.83	2581.1	5-50	50-100	90	1950
FL-315S-10V	45	60	590	99.6	94.7	91.2	91.5	0.75	728.4	5-50	50-100	82	830
FL-315M-10V	55	75	590	121.1	115.1	110.9	92.0	0.75	890.3	5-50	50-100	82	940
FL-315L1-10V	75	100	590	162.1	154.0	148.4	92.5	0.76	1214.0	5-50	50-100	82	1070
FL-315L2-10V	90	120	590	191.0	181.4	174.9	93.0	0.77	1456.8	5-50	50-100	82	1150
FL-355M1-10V	110	150	590	229.9	218.4	210.5	93.2	0.78	1780.5	5-50	50-100	90	1660
FL-355M2-10V	132	180	590	275.0	261.3	251.8	93.5	0.78	2136.6	5-50	50-100	90	1780
FL-355L-10V	160	220	590	333.3	316.7	305.2	93.5	0.78	2589.8	5-50	50-100	90	1950

## FL-J 系列电磁制动三相异步电动机

[ FL-J series electromagnetic braking  
three phase asynchronous motor ]



FL-J系列电磁制动电机是一种全封闭自扇冷式鼠笼型三相异步电机。该系列电机按照IEC标准设计,具有启动转矩大、结构紧凑、制动迅速、运行可靠、高效节能,噪音低等优点。此外,电机设计有手动释放结构,既可以电磁制动,又可以手动操作,方便用户调试和使用。

FL-J系列电磁制动电机适用于要求快速停止、准确定位、反复运转、频繁启动、防止滑行的各类机械设备中作为动力,如升降机、减速机、运输机械、包装机械、食品机械、印刷机械等。

原理与结构:FL-J系列电磁制动电机的直流圆盘制动器安装在电机的非轴伸端上,当电机接入电源,制动器即开始工作,在电磁引力作用下,电磁铁吸引衔铁并压缩弹簧,制动盘与衔铁、端盖脱开,电机开始运转;当切断电源时,制动器电磁铁失去引力,弹簧推动衔铁压紧制动盘,在摩擦力的作用下,电机立即停止工作。制动器分为通电制动器和失电制动器两种,两种制动器工作原理相同,而制动过程相反。

FL-J系列电机可以衍生出FL-DJ系列多速制动电机和FL-VJ系列变频制动电机。

FL-J series electromagnetic braking three phase asynchronous motor is a kind of totally enclosed fan-cooled squirrel-cage three phase asynchronous motors. It is designed according to IEC standard and has a lot of features such as prompt braking, compact structure, high efficiency, energy saving, high reliability, large starting torque etc. Besides, the brake of the motor has a manual release device, which allows the brake a junction of both manual release and electromagnetic release and is convenient for operation.

FL-J series motors are suitable for mechanism that requires prompt braking, accurate positioning, repeat running, and frequent starting and avoid slipping, such as elevating machinery, transportation machinery, packing machinery, food machinery, printing machinery, reducers etc.

Principle and structure: the DC brake disc is assembled on the non-drive end shaft of the motor, when supplied with power, the brake works simultaneously, the electromagnetic force attracts the armature and presses the spring, thus the brake disc is released from armature and end shield, then the motor begins to run; When the power supply is interrupted, electromagnetic force lost, the spring pushes the armature to the brake disc, the motor stops immediately, a braking action finished.

FL-J series motors have derived series such as FL-DJ series multi-speed electromagnetic braking three phase induction motors and FL-VJ series variable frequency electromagnetic braking three phase induction motors.

### ▶ 选型参数/ Selection

环境温度: -15°C~40°C  
海拔: 不超过1000米  
额定功率: 0.55kW-45kW  
机座: H80-H225  
机座材质: 铸铁  
额定电压: 220V-1140V  
频率: 50Hz/60Hz  
防护等级: IP54/IP55/IP56/IP65/IP66  
绝缘等级: F/H  
工作制: S1-S6

Ambient Temperature: -15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 0.55kW-45kW  
Frame Size: H80-H225  
Frame Material: Cast Iron  
Rated Voltage: 220V-1140V  
Rated Frequency: 50Hz/60Hz  
Ingress Protection: IP54/IP55/IP56/IP65/IP66  
Insulation Class: F/H  
Work Duty: S1-S6

## FL-AJ/FL-FJ/FL-GJ系列铝壳电磁制动三相异步电动机

FL-AJ / FL-FJ / FL-GJ series aluminium-housing electromagnetic braking three phase asynchronous motor



FL-AJ

FL-FJ

FL-GJ

FL-AJ/FL-FJ/FL-GJ系列铝壳电磁制动三相异步电动机是一种全封闭自扇冷式鼠笼型三相异步电机。该系列电机按照IEC标准设计,具有启动转矩大、结构紧凑、制动迅速、运行可靠、高效节能、噪音低等优点。此外,电机设计有手动释放结构,既可以电磁制动,又可以手动操作,方便用户调试和使用。FL-AJ/FL-FJ/FL-GJ系列电机采用了铝合金压铸机座、端盖、接线盒、以及可拆卸式底脚,其安装尺寸与功率等级和YE3系列铝壳电机保持一致,适用于要求快速停止、准确定位、反复运转、频繁启动、防止滑行的各类机械设备中作为动力,如升降机、减速机、运输机械、包装机械、食品机械、印刷机械等。

原理与结构:电磁制动电机的直流圆盘制动器安装在电机的非轴伸端上,当电机接入电源,制动器即开始工作,在电磁引力作用下,电磁铁吸引衔铁并压缩弹簧,制动盘与衔铁、端盖脱开,电机开始运转;当切断电源时,制动器电磁铁失去引力,弹簧推动衔铁压紧制动盘,在摩擦力的作用下,电机立即停止工作。制动器分为通电制动器和失电制动器两种,两种制动器工作原理相同,而制动过程相反。

FL-AJ/FL-FJ/FL-GJ系列电机可以衍生出FL-ADJ/FL-FDJ/FL-GDJ系列多速制动铝壳电机和FL-AVJ/FL-FVJ/FL-GVJ系列变频制动铝壳电机。

FL-AJ/FL-FJ/FL-GJ series aluminium-housing electromagnetic braking three phase asynchronous motor is a kind of totally enclosed fan-cooled squirrel-cage three phase asynchronous motors, it was designed according to IEC standard and has a lot of features such as prompt braking, compact structure, high efficiency, energy saving, high reliability, large starting torque etc. Besides, the brake of the motor has a manual release device, which allows the brake a junction of both manual release and electromagnetic release and is convenient for operation.

Since aluminum-alloy material has been introduced into its housing, end shield, terminal box and removable feet. Motor has wonderful appearance and smooth surface. Despite that, dimensions and output power of FL-AJ/FL-FJ/FL-GJ series aluminium-housing motors are the same as those of IE3/IE2/IE1 series three phase asynchronous motors, suitable for mechanism that requires prompt braking, accurate positioning, repeat running, and frequent starting and avoid slipping, such as elevating machinery, transportation machinery, packing machinery, food machinery, printing machinery, reducers etc.

Principle and structure: the DC brake disc is assembled on the non-drive end shaft of the motor, when supplied with power, the brake works simultaneously, the electromagnetic force attracts the armature and presses the spring, thus the brake disc is released from armature and end shield, then the motor begins to run; When the power supply is interrupted, electromagnetic force lost, the spring pushes the armature to the brake disc, the motor stops immediately, a braking action finished.

FL-AJ/FL-FJ/FL-GJ series motors have derived series such as FL-ADJ/FL-FDJ/FL-GDJ series multi-speed electromagnetic braking three phase induction motors and FL-AVJ/FL-FVJ/FL-GVJ series variable frequency electromagnetic braking three phase induction motors.

### ▶ 选型参数/ Selection

环境温度: -15°C~40°C  
海拔: 不超过1000米  
额定功率: 0.12kW-18.5kW  
机座: H63-H160  
机座材质: 铸铝  
额定电压: 220V-1140V  
频率: 50Hz/60Hz  
防护等级: IP54/IP55/IP56/IP65/IP66  
绝缘等级: F  
工作制: S1-S6

Ambient Temperature: -15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 0.12kW-18.5kW  
Frame Size: H63-H160  
Frame Material: Aluminium  
Rated Voltage: 220V-1140V  
Rated Frequency: 50Hz/60Hz  
Ingress Protection: IP54/IP55/IP56/IP65/IP66  
Insulation Class: F  
Work Duty: S1-S6

► FL-J系列电机技术参数 / Technical Data - Electromagnetic Braking Motor - 2 poles - 380V/50Hz

电机型号 Model	额定功率 Rated Output		满载时 Full Load				额定转矩 Rated Torque (Tn)	堵转转矩 Tst / Tn	最大转矩 Tmax/ Tn	堵转电流 Ist / In	静制动转矩 Static braking torque	空载制动 时间不大于 Max.braking time at no-load	制动器 功 率 Brake Power
			转 速 Speed	电 流 Input Current	效 率 Efficiency	功率因素 Power Factor							
	kW	HP	RPM	Amp	η %	Cosφ	N.m	Tst / Tn	Tmax/ Tn	Ist / In	N.m	S	W
FL-63M1-2J	0.18	0.25	2780	0.52	66.0	0.80	0.62	2.2	2.3	5.0	2.0	0.20	25
FL-63M2-2J	0.25	0.37	2780	0.69	68.0	0.81	0.86	2.2	2.3	5.0	2.0	0.20	25
FL-71M1-2J	0.37	0.50	2800	0.99	70.0	0.81	1.26	2.2	2.3	5.5	4.0	0.20	30
FL-71M2-2J	0.55	0.75	2800	1.38	73.0	0.83	1.88	2.2	2.3	5.5	4.0	0.20	30
FL-80M1-2J	0.75	1.00	2825	1.81	75.0	0.84	2.54	2.2	2.3	6.5	7.5	0.20	50
FL-80M2-2J	1.1	1.5	2825	2.52	77.0	0.86	3.72	2.2	2.3	7.0	7.5	0.20	50
FL-90S-2J	1.5	2.0	2840	3.44	78.0	0.85	5.04	2.2	2.3	7.0	15	0.20	60
FL-90L-2J	2.2	3.0	2840	4.83	80.5	0.86	7.40	2.2	2.3	7.0	15	0.20	60
FL-100L-2J	3.0	4.0	2870	6.39	82.0	0.87	9.98	2.2	2.3	7.0	30	0.20	80
FL-112M-2J	4.0	5.5	2880	8.17	85.5	0.87	13.30	2.2	2.3	7.0	40	0.25	110
FL-132S1-2J	5.5	7.5	2900	11.10	85.5	0.88	18.10	2.0	2.3	7.0	75	0.25	130
FL-132S2-2J	7.5	10.0	2900	15.00	86.2	0.88	24.70	2.0	2.3	7.0	75	0.25	130
FL-160M1-2J	11	15	2930	21.80	87.2	0.88	35.90	2.0	2.3	7.0	150	0.35	150
FL-160M2-2J	15	20	2930	29.40	88.2	0.88	48.90	2.0	2.2	7.0	150	0.35	150
FL-160L-2J	18.5	25	2930	35.50	89.0	0.89	60.30	2.0	2.2	7.0	150	0.35	150
FL-180M-2J	22	30	2940	42.20	89.0	0.89	71.50	2.0	2.2	7.0	200	0.35	150
FL-200L1-2J	30	40	2950	56.90	90.0	0.89	97.10	2.0	2.2	7.0	300	0.45	200
FL-200L2-2J	37	50	2950	69.80	90.5	0.89	119.8	2.0	2.2	7.0	300	0.45	200
FL-225M-2J	45	60	2960	83.90	91.5	0.89	145.2	2.0	2.2	7.0	450	0.45	200

► FL-J系列电机技术参数 / Technical Data - Electromagnetic Braking Motor - 6 poles - 380V/50Hz

电机型号 Model	额定功率 Rated Output		满载时 Full Load				额定转矩 Rated Torque (Tn)	堵转转矩 Tst / Tn	最大转矩 Tmax/ Tn	堵转电流 Ist / In	静制动转矩 Static braking torque	空载制动 时间不大于 Max.braking time at no-load	制动器 功 率 Brake Power
			转 速 Speed	电 流 Input Current	效 率 Efficiency	功率因素 Power Factor							
	kW	HP	RPM	Amp	η %	Cosφ	N.m	Tst / Tn	Tmax/ Tn	Ist / In	N.m	S	W
FL-71M1-6J	0.18	0.25	860	0.67	62.0	0.66	2.00	1.9	2.1	4.0	4.0	0.20	30
FL-71M2-6J	0.25	0.37	860	0.89	63.0	0.68	2.78	1.9	2.1	4.0	4.0	0.20	30
FL-80M1-6J	0.37	0.50	900	1.27	63.0	0.70	3.93	1.9	2.1	4.0	7.5	0.20	50
FL-80M2-6J	0.55	0.75	900	1.76	66.0	0.72	5.84	1.9	2.1	4.0	7.5	0.20	50
FL-90S-6J	0.75	1.00	910	2.25	72.5	0.70	7.87	2.0	2.2	5.5	15	0.20	60
FL-90L-6J	1.1	1.5	910	3.16	73.5	0.72	11.50	2.0	2.2	5.5	15	0.20	60
FL-100L-6J	1.5	2.0	930	3.97	77.5	0.74	15.40	2.0	2.2	6.0	30	0.20	80
FL-112M-6J	2.2	3.0	940	5.61	80.5	0.74	22.40	2.0	2.2	6.0	40	0.25	110
FL-132S-6J	3.0	4.0	960	7.23	83.0	0.76	29.80	2.0	2.2	6.5	75	0.25	130
FL-132M1-6J	4.0	5.5	960	9.40	84.0	0.77	39.80	2.0	2.2	6.5	75	0.25	130
FL-132M2-6J	5.5	7.5	960	12.60	85.3	0.78	54.70	2.0	2.0	6.5	75	0.25	130
FL-160M-6J	7.5	10.0	970	17.00	86.0	0.78	73.80	2.0	2.0	6.5	150	0.35	150
FL-160L-6J	11	15	970	24.60	87.0	0.78	108.3	2.0	2.0	6.5	150	0.35	150
FL-180L-6J	15	20	970	31.40	89.5	0.81	147.7	1.8	2.0	6.5	200	0.35	150
FL-200L1-6J	18.5	25	975	37.70	89.8	0.83	181.2	1.8	2.0	6.5	300	0.45	200
FL-200L2-6J	22	30	975	44.60	90.2	0.83	215.5	1.8	2.0	6.5	300	0.45	200
FL-225M-6J	30	40	980	59.50	90.2	0.85	292.3	1.7	2.0	6.5	450	0.45	200

► FL-J系列电机技术参数 / Technical Data - Electromagnetic Braking Motor - 4poles - 380V/50Hz

电机型号 Model	额定功率 Rated Output		满载时 Full Load				额定转矩 Rated Torque (Tn)	堵转转矩 Tst / Tn	最大转矩 Tmax/ Tn	堵转电流 Ist / In	静制动转矩 Static braking torque	空载制动 时间不大于 Max.braking time at no-load	制动器 功 率 Brake Power
			转 速 Speed	电 流 Input Current	效 率 Efficiency	功率因素 Power Factor							
	kW	HP	RPM	Amp	η %	Cosφ	N.m	Tst / Tn	Tmax/ Tn	Ist / In	N.m	S	W
FL-63M1-4J	0.12	0.18	1350	0.44	58.0	0.72	0.85	2.0	2.2	4.0	2.0	0.20	25
FL-63M2-4J	0.18	0.25	1350	0.59	63.0	0.73	1.27	2.0	2.2	4.0	2.0	0.20	25
FL-71M1-4J	0.25	0.37	1380	0.78	66.0	0.74	1.73	2.0	2.2	4.0	4.0	0.20	30
FL-71M2-4J	0.37	0.50	1380	1.09	69.0	0.75	2.56	2.0	2.2	4.0	4.0	0.20	30
FL-80M1-4J	0.55	0.75	1390	1.51	73.0	0.76	3.78	2.4	2.3	6.0	7.5	0.20	50
FL-80M2-4J	0.75	1.00	1390	2.01	74.5	0.76	5.15	2.3	2.3	6.0	7.5	0.20	50
FL-90S-4J	1.1	1.5	1400	2.75	78.0	0.78	7.50	2.3	2.3	6.5	15	0.20	60
FL-90L-4J	1.5	2.0	1400	3.65	79.0	0.79	10.20	2.3	2.3	6.5	15	0.20	60
FL-100L1-4J	2.2	3.0	1420	5.03	81.0	0.82	14.80	2.2	2.3	7.0	30	0.20	80
FL-100L2-4J	3.0	4.0	1420	6.82	82.5	0.81	20.20	2.2	2.3	7.0	30	0.20	80
FL-112M-4J	4.0	5.5	1440	8.77	84.5	0.82	26.50	2.2	2.3	7.0	40	0.25	110
FL-132S-4J	5.5	7.5	1440	11.60	85.5	0.84	36.50	2.2	2.3	7.0	75	0.25	130
FL-132M-4J	7.5	10.0	1440	15.40	87.0	0.85	49.70	2.2	2.3	7.0	75	0.25	130
FL-160M-4J	11	15	1460	22.60	88.0	0.84	72.00	2.2	2.3	7.0	150	0.35	150
FL-160L-4J	15	20	1460	30.30	88.5	0.85	98.10	2.2	2.2	7.0	150	0.35	150
FL-180M-4J	18.5	25	1465	35.90	91.0	0.86	120.6	2.0	2.2	7.0	200	0.35	150
FL-180L-4J	22	30	1465	42.50	91.5	0.86	143.4	2.0	2.2	7.0	200	0.35	150
FL-200L-4J	30	40	1470	56.80	92.2	0.87	194.9	2.0	2.2	7.0	300	0.45	200
FL-225S-4J	37	50	1475	70.40	91.8	0.87	239.6	1.9	2.2	7.0	450	0.45	200
FL-225M-4J	45	60	1475	84.20	92.3	0.88	291.4	1.9	2.2	7.0	450	0.45	200

► FL-J系列电机技术参数 / Technical Data - Electromagnetic Braking Motor - 8 poles - 380V/50Hz

电机型号 Model	额定功率 Rated Output		满载时 Full Load				额定转矩 Rated Torque (Tn)	堵转转矩 Tst / Tn	最大转矩 Tmax/ Tn	堵转电流 Ist / In	静制动转矩 Static braking torque	空载制动 时间不大于 Max.braking time at no-load	制动器 功 率 Brake Power
			转 速 Speed	电 流 Input Current	效 率 Efficiency	功率因素 Power Factor							
	kW	HP	RPM	Amp	η %	Cosφ	N.m	Tst / Tn	Tmax/ Tn	Ist / In	N.m	S	W
FL-80M1-8J	0.18	0.25	650	0.86	52.0	0.61	2.64	1.8	1.9	3.3	8	0.20	50
FL-80M2-8J	0.25	0.37	650	1.13	55.0	0.61	3.67	1.8	1.9	3.3	8	0.20	50
FL-90S-8J	0.37	0.50	670	1.44	63.0	0.62	5.35	1.8	2.0	4.0	15	0.20	60
FL-90L-8J	0.55	0.75	670	2.07	64.0	0.63	7.96	1.8	2.0	4.0	15	0.20	60
FL-100L1-8J	0.75	1.00	700	2.36	71.0	0.68	10.40	1.8	2.0	4.0	30	0.20	80
FL-100L2-8J	1.10	1.50	700	3.32	73.0	0.69	15.20	1.8	2.0	4.0	30	0.20	80
FL-112M-8J	1.50	2.00	705	4.40	75.0	0.69	20.5	1.8	2.0	4.0	40	0.25	110
FL-132S-8J	2.20	3.00	710	5.87	80.2	0.71	29.60	2.0	2.0	5.5	75	0.25	130
FL-132M-8J	3.00	4.00	710	7.72	82.0	0.72	40.40	2.0	2.0	5.5	75	0.25	130
FL-160M1-8J	4.00	5.50	720	9.90	84.0	0.73	53.10	2.0	2.0	6.0	150	0.35	150
FL-160M2-8J	5.50	7.50	720	13.30	85.0	0.74	73.00	2.0	2.0	6.0	150	0.35	150
FL-160L-8J	7.50	10.00	720	17.70	86.0	0.75	99.50	2.0	2.0	5.5	150	0.35	150
FL-180L-8J	11.00	15.00	730	24.80	87.5	0.77	143.9	1.7	2.0	6.0	200	0.35	150
FL-200L-8J	15.00	20.00	730	34.10	88.0	0.76	196.2	1.8	2.0	6.0	300	0.45	200
FL-225S-8J	18.50	25.00	730	41.30	89.5	0.76	242.0	1.7	2.0	6.0	450	0.45	200
FL-225M-8J	22.00	30.00	730	47.60	90.0	0.78	287.8	1.8	2.0	6.0	450	0.45	200

## YBD3系列隔爆型变级多速三相异步电动机

YBD3 series change-pole multi-speed flameproof three phase asynchronous motor



YBD3系列隔爆型变级多速三相异步电动机是YBX3系列隔爆型三相异步电动机的派生产品。本系列电机采用绕组变极方法实现转速变换,用户使用时只需选择相应的接法,即可使电机以对应的转速转动。

YBD3系列电机适用于各种需要有级调速的机械设备,主要用于煤矿、石油天然气、石油化工和化学工业等需要防爆的行业,通常用于驱动泵、风机、压缩机和其他传动机械。

YBD3系列电机防爆标志分为:Ex db II AT4/BT4 Gb, 适用于工厂用类A级、B级,温度组别为T1、T2、T3、T4、和T5组的爆炸性气体混合物存在的环境。

YBD3 series change-pole multi-speed flameproof three phase asynchronous motor is designed on the basis of YBX3 series flameproof motors. It uses the simplex winding polarity reversal method to realize the speed transformation. Different poles offer relative speed.

YBD3 series motor is suitable for mechanical equipment which is required speed regulation, mainly used in coal, oil and natural gas, petrochemical and chemical industries, usually used in drive pumps, fans, compressors and other transmission machinery.

We supply YBD3 series motors with Ex marking ExdII AT4/BT4, which are intended for use in places with an explosive gas atmosphere other than mines susceptible to firedamp. A denotes a typical gas is propane, B means a typical gas is ethylene, and the atmosphere temperature is T1, T2, T3, T4 and T5.

### ▶ 选型参数/ Selection

环境温度:-15°C~40°C  
海拔:不超过1000米  
额定功率:0.17kW-160kW  
机座:H80-H315  
机座材质:铸铁  
额定电压:220V-1140V  
频率:50Hz/60Hz  
防护等级:IP54/IP55/IP56/IP65/IP66  
绝缘等级:F/H  
工作制:S1-S6

Ambient Temperature:-15°C~40°C  
Altitude: up to 1000 meters  
Rated Power: 0.17kW-160kW  
Frame Size: H80-H315  
Frame Material: Cast Iron  
Rated Voltage: 220V-1140V  
Rated Frequency: 50Hz/60Hz  
Ingress Protection: IP54/IP55/IP56/IP65/IP66  
Insulation Class: F/H  
Work Duty: S1-S6

## FL-D/FL-DT 系列变极多速三相异步电动机

FL-D / FL-DT series change-pole multi-speed  
three phase asynchronous motor



FL-D/FL-DT系列变极多速三相异步电动机有双速、三速、四速等类型,采用单绕组变极方法实现转速变换,用户使用时只需选择相应的接法,即可使电机以对应的转速转动。

该系列电机的外形与安装尺寸同YE3系列电机,主要技术指标达到IEC标准。具有体积小、重量轻、噪音低、启动性能好、运行可靠、维护方便等特点。本系列电机广泛应用于各类需要有级调速的机械设备,可降低整机噪音、节约能源、并使整机结构紧凑。

本公司可以根据用户需求,设计生产特殊规格的变极多速电机,如风机、泵类负载变极多速电机等。

该系列电机的使用条件同YE3系列电机。

FL-D/FL-DT series change-pole multi-speed three phase asynchronous motor has a single winding, through change the connection of wires, the motor changed to different poles, thus it runs under different speed with different output power.

FL-D/FL-DT series motors have lots of futures such as large starting torque, excellent performance, low noise and vibration, high reliability, easy operation and etc. FL-D/FL-DT series motors are widely used in the mechanism which needs stepped-speed adjustment, such as compressors, machining equipment, transportation system, agricultural mechanism, food processing mechanism etc. We also supply special designed multi-speed motors according to customers' unique requirements.

Operating conditions of FL-D/FL-DT series motors are the same as IE3/IE2/IE1 series three phase asynchronous motors.

### ► 选型配置 / Options

环境温度:-15°C~40°C

海拔:不超过1000米

额定功率:0.17kW-160kW

机座:H80-H315

机座材质:铸铁

额定电压:220V-1140V

频率:50Hz/60Hz

防护等级:IP54/IP55/IP56/IP65/IP66

绝缘等级:F/H

工作制:S1-S6

Ambient Temperature:-15°C~40°C

Altitude: up to 1000 meters

Rated Power: 0.17kW-160kW

Frame Size: H80-H315

Frame Material: Cast Iron

Rated Voltage: 220V-1140V

Rated Frequency: 50Hz/60Hz

Ingress Protection: IP54/IP55/IP56/IP65/IP66

Insulation Class: F/H

Work Duty: S1-S6

► FL-D 系列电机技术参数 / Technical Data - Change-pole Multi-speed Motor - 380V/50Hz

电机型号 Model	极数 Poles	额定功率 Rated Output	满载时 Full Load				额定转矩 Rated Torque (Tn)	堵转转矩 额定转矩	最大转矩 额定转矩	堵转电流 额定电流
			转速 Speed	电 流 Input Current	效 率 Efficiency	功率因素 Power Factor				
			kW	RPM	Amp	η %				
FL-80M1-4/2D	4	0.45	1420	1.4	66.0	0.74	3.03	1.5	1.8	6.5
	2	0.55	2840	1.51	65.0	0.85	1.85	1.7	1.8	7.0
FL-80M2-4/2D	4	0.55	1420	1.66	68.0	0.74	3.70	1.6	1.8	6.5
	2	0.75	2840	2.03	66.0	0.85	2.52	1.8	1.8	7.0
FL-90S-4/2D	4	0.85	1430	2.27	74.0	0.77	5.68	1.8	1.8	6.5
	2	1.1	2850	2.77	71.0	0.85	3.69	1.9	1.8	7.0
FL-90L-4/2D	4	1.3	1430	3.33	76.0	0.78	8.68	1.8	1.8	6.5
	2	1.8	2850	4.41	73.0	0.85	6.03	2.0	1.8	7.0
FL-100L1-4/2D	4	2	1430	4.81	78.0	0.81	13.40	1.7	1.8	6.5
	2	2.4	2850	5.58	76.0	0.86	8.04	1.9	1.8	7.0
FL-100L2-4/2D	4	2.4	1430	5.56	79.0	0.83	16.00	1.6	1.8	6.5
	2	3	2850	6.65	77.0	0.89	10.10	1.7	1.8	7.0
FL-112M-4/2D	4	3.3	1450	7.37	82.0	0.83	21.70	1.9	1.8	6.5
	2	4	2880	8.64	79.0	0.89	13.30	2.0	1.8	7.0
FL-132S-4/2D	4	4.5	1450	9.81	83.0	0.84	29.60	1.7	1.8	6.5
	2	5.5	2880	11.9	79.0	0.89	18.20	1.8	1.8	7.0
FL-132M-4/2D	4	6.5	1450	13.8	84.0	0.85	42.80	1.7	1.8	6.5
	2	8	2880	17.1	80.0	0.89	26.50	1.8	1.8	7.0
FL-160M-4/2D	4	9	1460	18.5	87.0	0.85	58.90	1.6	1.8	6.5
	2	11	2920	22.9	82.0	0.89	36.00	1.8	1.8	7.0
FL-160L-4/2D	4	11	1460	22.3	87.0	0.86	72.00	1.7	1.8	6.5
	2	14	2920	28.8	82.0	0.90	45.80	1.9	1.8	7.0
FL-180M-4/2D	4	15	1470	29.4	89.0	0.87	97.40	1.8	1.8	6.5
	2	18.5	2940	36.7	85.0	0.90	60.10	1.9	1.8	7.0
FL-180L-4/2D	4	18.5	1470	35.9	89.0	0.88	120.20	1.6	1.8	6.5
	2	22	2940	42.7	86.0	0.91	71.50	1.8	1.8	7.0
FL-200L-4/2D	4	26	1470	49.9	89.0	0.89	168.90	1.4	1.8	6.5
	2	30	2940	58.3	85.0	0.92	97.45	1.6	1.8	7.0
FL-90S-6/4D	6	0.65	920	2.27	64.0	0.68	6.75	1.6	1.8	6.0
	4	0.85	1400	2.34	70.0	0.79	5.80	1.4	1.8	6.5
FL-90L-6/4D	6	0.85	930	2.8	66.0	0.70	8.73	1.6	1.8	6.0
	4	1.1	1400	2.98	71.0	0.79	7.50	1.5	1.8	6.5
FL-100L1-6/4D	6	1.3	940	3.81	74.0	0.70	13.20	1.7	1.8	6.0
	4	1.8	1440	4.44	77.0	0.80	11.90	1.4	1.8	6.5
FL-100L2-6/4D	6	1.5	940	4.34	75.0	0.70	15.20	1.6	1.8	6.0
	4	2.2	1440	5.43	77.0	0.80	14.60	1.4	1.8	6.5
FL-112M-6/4D	6	2.2	960	5.71	78.0	0.75	21.90	1.8	1.8	6.0
	4	2.8	1450	6.74	77.0	0.82	18.40	1.5	1.8	6.5
FL-132S-6/4D	6	3	970	7.69	79.0	0.75	29.50	1.8	1.8	6.0
	4	4	1450	9.5	78.0	0.82	26.30	1.7	1.8	6.5
FL-132M-6/4D	6	4	970	9.75	82.0	0.76	39.40	1.6	1.8	6.0
	4	5.5	1450	12.3	80.0	0.85	36.20	1.4	1.8	6.5
FL-160M-6/4D	6	6.5	970	15.1	84.0	0.78	64.00	1.5	1.8	6.0
	4	8	1460	17.6	82.0	0.84	52.30	1.5	1.8	6.5
FL-160L-6/4D	6	9	970	20.6	85.0	0.78	88.60	1.6	1.8	6.0
	4	11	1460	23.7	83.0	0.85	72.00	1.7	1.8	6.5
FL-180M-6/4D	6	11	980	25.9	85.0	0.76	107.20	1.6	1.8	6.0
	4	14	1470	29.8	84.0	0.85	91.00	1.7	1.8	6.5

► FL-D 系列电机技术参数 / Technical Data - Change-pole Multi-speed Motor - 380V/50Hz

电机型号 Model	极数 Poles	额定功率 Rated Output	满载时 Full Load				额定转矩 Rated Torque (Tn)	堵转转矩 额定转矩	最大转矩 额定转矩	堵转电流 额定电流
			转速 Speed	电 流 Input Current	效 率 Efficiency	功率因素 Power Factor				
			kW	RPM	Amp	η %				
FL-180L-6/4D	6	13	980	29.4	86.0	0.78	126.70	1.7	1.8	6.0
	4	16	1470	33.6	85.0	0.85	103.90	1.7	1.8	6.5
FL-200L-6/4D	6	18.5	980	41.4	87.0	0.78	180.30	1.6	1.8	6.5
	4	22	1470	44.9	86.5	0.86	142.90	1.5	1.8	7.0
FL-90L-8/4D	8	0.45	700	1.87	58.0	0.63	6.14	1.6	1.8	5.5
	4	0.75	1400	1.82	72.0	0.87	5.12	1.4	1.8	6.5
FL-100L-8/4D	8	0.85	700	3.06	67.0	0.63	11.60	1.6	1.8	5.5
	4	1.5	1410	3.5	74.0	0.88	10.20	1.4	1.8	6.5
FL-112M-8/4D	8	1.5	700	5.02	72.0	0.63	20.50	1.7	1.8	5.5
	4	2.4	1410	5.31	78.0	0.88	16.30	1.7	1.8	6.5
FL-132S-8/4D	8	2.2	720	6.96	75.0	0.64	29.20	1.5	1.8	5.5
	4	3.3	1440	7.12	80.0	0.88	21.90	1.7	1.8	6.5
FL-132M-8/4D	8	3	720	8.99	78.0	0.65	39.80	1.5	1.8	5.5
	4	4.5	1440	9.37	82.0	0.89	29.80	1.6	1.8	6.5
FL-160M-8/4D	8	5	730	13.9	83.0	0.66	65.40	1.5	1.8	5.5
	4	7.5	1450	15.2	84.0	0.89	49.40	1.6	1.8	6.5
FL-160L-8/4D	8	7	730	19	85.0	0.66	91.60	1.5	1.8	5.5
	4	11	1450	21.8	86.0	0.89	72.40	1.6	1.8	6.5
FL-180L-8/4D	8	11	730	26.7	87.0	0.72	143.90	1.5	1.8	6.0
	4	17	1460	32.3	88.0	0.91	111.20	1.5	1.8	7.0
FL-200L1-8/4D	8	14	730	33	87.0	0.74	183.20	1.8	1.8	6.0
	4	22	1460	41.3	88.0	0.92	143.90	1.7	1.8	7.0
FL-200L2-8/4D	8	17	730	40.1	87.0	0.74	222.40	1.5	1.8	6.0
	4	26	1460	48.8	88.0	0.92	170.10	1.7	1.8	7.0
FL-90S-8/6D	8	0.35	700	1.58	56.0	0.60	4.78	1.8	1.8	5.0
	6	0.45	930	1.36	70.0	0.72	4.62	2.0	1.8	6.0
FL-90L-8/6D	8	0.45	700	1.93	59.0	0.60	6.14	1.7	1.8	5.0
	6	0.65	930	1.91	71.0	0.73	6.67	1.8	1.8	6.0
FL-100L-8/6D	8	0.75	710	2.92	65.0	0.60	10.10	1.8	1.8	5.0
	6	1.1	950	3.05	75.0	0.73	11.10	1.9	1.8	6.0
FL-112M-8/6D	8	1.3	710	4.5	72.0	0.61	17.50	1.7	1.8	5.0
	6	1.8	950	4.8	78.0	0.73	18.10	1.9	1.8	6.0
FL-132S-8/6D	8	1.8	730	5.8	76.0	0.62	23.50	1.6	1.8	5.0
	6	2.4	970	6.24	80.0	0.73	23.60	1.9	1.8	6.0
FL-132M-8/6D	8	2.6	730	8.17	78.0	0.62	34.00	1.9	1.8	5.0
	6	3.7	970	9.39	82.0	0.73	36.40	1.9	1.8	6.0
FL-160M-8/6D	8	4.5	730	13.3	83.0	0.62	58.90	1.6	1.8	5.0
	6	6	980	14.7	85.0	0.73	58.50	1.9	1.8	6.0
FL-160L-8/6D	8	6	730	17.5	84.0	0.62	78.50	1.6	1.8	5.0
	6	8	980	19.4	86.0	0.73	78.00	1.9	1.8	6.0
FL-180M-8/D6	8	7.5	730	21.9	84.0	0.62	98.10	1.9	1.8	5.0
	6	10	980	24.2	86.0	0.73	97.40	1.9	1.8	6.0
FL-180L-8/6D	8	9	730	24.8	85.0	0.65	117.70	1.8	1.8	5.0
	6	12	980	28.3	86.0	0.75	116.90	1.8	1.8	6.0
FL-200L1-8/6D	8	12	730	32.6	86.0	0.65	157.00	1.8	1.8	5.0
	6	17	980	39.1	87.0	0.76	165.70	2.0	1.8	6.0
FL-200L2-8/6D	8	15	730	40.3	87.0	0.65	196.20	1.8	1.8	5.0
	6	20	980	45.4	88.0	0.76	194.90	2.0	1.8	6.0

► FL-DT系列电机技术参数 / Technical Data - Change-pole Multi-speed Motor - 380V/50Hz

电机型号 Model	极数 Poles	额定功率 Rated Output	满载时 Full Load				额定转矩 Rated Torque (Tn)	堵转转矩 额定转矩	最大转矩 额定转矩	堵转电流 额定电流	噪声 Noise
			转速	电 流	效 率	功率因素					
			Speed	Input Current	Efficiency	Power Factor					
		kW	RPM	Amp	η %	Cosφ	N.m	Tst / Tn	Tmax / Tn	Ist / In	dB(A)
FL-80M1-4/2DT	4	0.17	1420	0.72	58.0	0.62	1.14	1.4	1.8	5.5	79
	2	0.75	2860	2.04	68.0	0.82	2.50	2.0	1.8	7.5	79
FL-80M2-4/2DT	4	0.25	1420	0.91	64.0	0.65	1.68	1.4	1.8	5.5	79
	2	0.95	2860	2.55	70.0	0.81	3.17	2.0	1.8	7.5	79
FL-90S-4/2DT	4	0.3	1430	0.9	70.0	0.72	2.00	1.4	1.8	5.5	79
	2	1.4	2850	3.65	71.0	0.82	4.69	2.0	1.8	7.5	79
FL-90L-4/2DT	4	0.4	1430	1.2	72.0	0.73	2.67	1.4	1.8	5.5	83
	2	1.9	2850	4.5	75.0	0.86	6.37	2.0	1.8	7.5	83
FL-100L1-4/2DT	4	0.65	1430	1.9	74.0	0.72	4.34	1.4	1.8	5.5	87
	2	2.5	2850	5.3	82.0	0.87	8.38	2.0	1.8	7.5	87
FL-100L2-4/2DT	4	0.8	1430	2.2	76.0	0.72	5.34	1.4	1.8	5.5	87
	2	3.1	2850	6.6	82.0	0.87	10.39	2.0	1.8	7.5	87
FL-112M-4/2DT	4	1.1	1450	3.2	70.0	0.74	7.24	1.4	1.8	5.5	87
	2	4.4	2890	9.3	82.0	0.88	14.54	2.0	1.8	7.5	87
FL-132S-4/2DT	4	1.4	1450	3.6	80.0	0.74	9.22	1.3	1.8	5.5	91
	2	5.9	2860	11.9	83.0	0.91	19.70	1.9	1.8	7.5	91
FL-132M-4/2DT	4	2	1450	4.8	83.0	0.77	13.17	1.3	1.8	5.5	91
	2	8	2880	15.7	85.0	0.91	26.53	1.9	1.8	7.5	91
FL-160M-4/2DT	4	2.8	1460	6.7	85.0	0.75	18.31	1.3	1.8	5.5	91
	2	12.5	2920	24.3	86.0	0.91	40.88	1.9	1.8	7.5	91
FL-160L-4/2DT	4	3.8	1460	8.8	86.0	0.76	24.85	1.3	1.8	5.5	95
	2	16	2920	30.7	87.0	0.91	52.32	1.9	1.8	7.5	95

► FL-DT系列电机技术参数 / Technical Data - Change-pole Multi-speed Motor - 380V/50Hz

电机型号 Model	极数 Poles	额定功率 Rated Output	满载时 Full Load				额定转矩 Rated Torque (Tn)	堵转转矩 额定转矩	最大转矩 额定转矩	堵转电流 额定电流	噪声 Noise
			转速	电 流	效 率	功率因素					
			Speed	Input Current	Efficiency	Power Factor					
		kW	RPM	Amp	η %	Cosφ	N.m	Tst / Tn	Tmax / Tn	Ist / In	dB(A)
FL-90S-6/4DT	6	0.32	920	1.17	63.0	0.66	3.32	1.6	1.8	6.0	75
	4	1.1	1420	3.06	70.0	0.78	7.40	1.8	1.8	7.0	75
FL-90L-6/4DT	6	0.45	930	1.52	68.0	0.66	4.62	1.6	1.8	6.0	75
	4	1.4	1400	3.65	72.0	0.81	9.55	1.8	1.8	7.0	75
FL-100L1-6/4DT	6	0.7	940	2.21	73.0	0.66	7.11	1.6	1.8	6.0	78
	4	2.2	1440	5.29	80.0	0.79	14.59	1.8	1.8	7.0	78
FL-100L2-6/4DT	6	0.9	940	2.8	74.0	0.67	9.14	1.6	1.8	6.0	78
	4	2.5	1440	6	81.0	0.78	16.58	1.8	1.8	7.0	78
FL-112M-6/4DT	6	1.1	960	3.2	78.0	0.68	10.94	1.6	1.8	6.0	82
	4	3.2	1440	7.2	82.0	0.82	21.22	1.8	1.8	7.0	82
FL-132S-6/4DT	6	1.5	970	4.1	81.0	0.68	14.77	1.6	1.8	6.0	82
	4	4.7	1440	10.2	84.0	0.83	31.17	1.8	1.8	7.0	82
FL-132M-6/4DT	6	2.2	970	5.8	83.0	0.69	21.66	1.6	1.8	6.0	82
	4	6.7	1440	14.1	85.0	0.85	44.43	1.8	1.8	7.0	82
FL-160M-6/4DT	6	3.1	970	8.2	83.0	0.69	30.52	1.6	1.8	7.0	86
	4	9.5	1460	19.8	87.0	0.84	62.13	1.8	1.8	7.5	86
FL-160L-6/4DT	6	4	970	10.6	83.0	0.69	39.38	1.6	1.8	7.0	86
	4	12	1460	24.7	88.0	0.84	78.48	1.8	1.8	7.5	86
FL-180M-6/4DT	6	5.1	980	13.3	81.0	0.72	49.69	1.5	1.8	7.0	90
	4	15.5	1470	32.2	87.0	0.84	100.7	1.5	1.8	7.5	90
FL-180L-6/4DT	6	6.2	980	15.7	81.0	0.74	60.41	1.5	1.8	7.0	90
	4	18	1470	37	87.0	0.85	116.9	1.5	1.8	7.5	90
FL-200L-6/4DT	6	8.5	980	20.21	83.0	0.77	82.82	1.5	1.8	7.0	90
	4	24	1470	48.75	88.0	0.85	155.9	1.5	1.8	7.5	90
FL-225S-6/4DT	6	11	980	23.69	84.0	0.84	107.2	1.5	1.8	7.0	92
	4	33	1470	65.51	89.0	0.86	214.4	1.5	1.8	7.5	92
FL-225M-6/4DT	6	13	980	27.3	85.0	0.85	126.7	1.5	1.8	7.0	92
	4	38	1470	74.6	90.0	0.86	246.8	1.5	1.8	7.5	92
FL-250M-6/4DT	6	16	980	32.9	85.0	0.87	155.9	1.5	1.8	7.0	94
	4	47	1470	89.2	90.0	0.89	305.3	1.5	1.8	7.5	94
FL-280S-6/4DT	6	18.5	980	38.5	85.0	0.86	180.3	1.5	1.8	7.0	94
	4	55	1470	105.5	90.0	0.88	357.3	1.5	1.8	7.5	94
FL-280M1-6/4DT	6	25	980	50.2	87.0	0.87	243.6	1.5	1.8	7.0	98
	4	70	1470	132.8	91.0	0.88	454.7	1.5	1.8	7.5	98
FL-280M2-6/4DT	6	28	980	56.2	87.0	0.87	272.8	1.5	1.8	7.0	98
	4	84	1470	159.4	91.0	0.88	545.7	1.5	1.8	7.5	98
FL-315S-6/4DT	6	32	980	69.2	89.0	0.79	310.2	1.5	1.8	7.0	100
	4	95	1470	184.4	91.0	0.86	612.9	1.5	1.8	7.5	100
FL-315M-6/4DT	6	38	985	82.2	90.0	0.78	368.4	1.5	1.8	7.0	100
	4	115	1480	220.8	92.0	0.86	742.0	1.5	1.8	7.5	100
FL-315L1-6/4DT	6	45	985	95	90.0	0.80	436.2	1.5	1.8	7.0	100
	4	135	1480	259.2	92.0	0.86	871.0	1.5	1.8	7.5	100
FL-315L2-6/4DT	6	55	985	114.79	91.0	0.80	533.2	1.5	1.8	7.0	100
	4	160	1480	303.95	93.0	0.86	1032.3	1.5	1.8	7.5	100

► FL-DT系列电机技术参数 / Technical Data - Change-pole Multi-speed Motor - 380V/50Hz

电机型号 Model	极数 Poles	额定功率 Rated Output	满载时 Full Load				额定转矩 Rated Torque (Tn)	堵转转矩 额定转矩	最大转矩 额定转矩	堵转电流 额定电流	噪声 Noise
			转速 Speed	电 流 Input Current	效 率 Efficiency	功率因素 Power Factor					
			kW	RPM	Amp	η %					
FL-90S-8/4DT	8	0.22	700	0.98	55.0	0.62	3.00	1.5	1.8	5.0	75
	4	1	1420	2.65	70.0	0.82	6.72	1.9	1.8	7.5	75
FL-90L-8/4DT	8	0.3	700	1.2	58.0	0.63	4.09	1.5	1.8	5.0	75
	4	1.3	1420	3.3	72.0	0.82	8.74	1.9	1.8	7.5	75
FL-100L1-8/4DT	8	0.55	700	2.1	65.0	0.61	7.50	1.5	1.8	5.0	78
	4	2	1410	4.7	80.0	0.80	13.54	1.9	1.8	7.5	78
FL-100L2-8/4DT	8	0.65	700	2.5	66.0	0.61	8.87	1.5	1.8	5.0	78
	4	2.4	1410	5.6	80.0	0.81	16.25	1.9	1.8	7.5	78
FL-112M-8/4DT	8	0.9	700	3.3	71.0	0.59	12.28	1.5	1.8	5.0	82
	4	3.2	1410	7.5	83.0	0.78	21.67	1.9	1.8	7.5	82
FL-132S-8/4DT	8	1.1	720	3.8	75.0	0.59	14.59	1.2	1.8	5.0	82
	4	4.5	1440	9.9	84.0	0.82	29.84	2.0	1.8	7.5	82
FL-132M-8/4DT	8	1.5	720	5	78.0	0.59	19.89	1.2	1.8	5.0	82
	4	6.3	1440	13.6	85.0	0.83	41.78	2.0	1.8	7.5	82
FL-160M-8/4DT	8	2	730	5.5	82.0	0.67	26.16	1.2	1.8	5.0	86
	4	8.9	1450	18.7	85.0	0.85	58.61	2.0	1.8	7.5	86
FL-160L-8/4DT	8	2.7	730	7.29	84.0	0.67	35.32	1.2	1.8	5.0	86
	4	12	1450	24.65	86.0	0.86	79.03	2.0	1.8	7.5	86
FL-180M-8/4DT	8	4	730	11.13	84.0	0.65	52.32	1.2	1.8	5.0	90
	4	16	1470	32.5	88.0	0.85	103.9	2.0	1.8	7.5	90
FL-180L-8/4DT	8	5	730	13.54	85.0	0.66	65.40	1.2	1.8	5.0	90
	4	19.5	1470	39.16	89.0	0.85	126.7	2.0	1.8	7.5	90
FL-200L-8/4DT	8	7.5	730	19.8	87.0	0.66	98.11	1.2	1.8	5.0	90
	4	29	1470	57.6	90.0	0.85	188.4	2.0	1.8	7.5	90
FL-225M-8/4DT	8	9.5	730	25.6	88.0	0.64	124.3	1.3	1.8	5.0	92
	4	40	1470	75.9	91.0	0.88	259.8	2.0	1.8	7.5	92
FL-250M-8/4DT	8	14.5	730	37.9	88.0	0.66	189.7	1.3	1.8	5.0	94
	4	52	1470	99.8	91.0	0.87	337.8	2.0	1.8	7.5	94
FL-280S-8/4DT	8	17	730	42.7	89.0	0.68	222.4	1.3	1.8	5.0	98
	4	65	1470	124.7	91.0	0.87	422.2	2.0	1.8	7.5	98
FL-280M-8/4DT	8	18.5	730	44.6	90.0	0.70	242.0	1.3	1.8	5.0	98
	4	75	1470	142.3	91.0	0.88	487.2	2.0	1.8	7.5	98
FL-315S-8/4DT	8	25	735	60.29	90.0	0.70	324.8	1.3	1.8	5.0	100
	4	92	1480	178.61	91.0	0.86	593.6	2.0	1.8	7.5	100
FL-315M-8/4DT	8	30	735	71.6	91.0	0.70	389.8	1.3	1.8	5.0	100
	4	110	1480	211.2	92.0	0.86	709.7	2.0	1.8	7.5	100
FL-315L1-8/4DT	8	36	740	85.9	91.0	0.70	464.5	1.3	1.8	5.0	100
	4	135	1480	256.3	92.0	0.87	871.0	2.0	1.8	7.5	100
FL-315L2-8/4DT	8	41	740	96.4	91.0	0.71	529.1	1.3	1.8	5.0	100
	4	155	1480	294.2	92.0	0.87	1000.1	2.0	1.8	7.5	100

► FL-DT系列电机技术参数 / Technical Data - Change-pole Multi-speed Motor - 380V/50Hz

电机型号 Model	极数 Poles	额定功率 Rated Output	满载时 Full Load				额定转矩 Rated Torque (Tn)	堵转转矩 额定转矩	最大转矩 额定转矩	堵转电流 额定电流	噪声 Noise
			转速 Speed	电 流 Input Current	效 率 Efficiency	功率因素 Power Factor					
			kW	RPM	Amp	η %					
FL-90S-8/6DT	8	0.25	700	1.3	52.0	0.58	3.41	1.6	1.8	6.0	73
	6	0.65	920	2.4	65.0	0.63	6.75	1.8	1.8	7.0	73
FL-90L-8/6DT	8	0.35	700	1.6	56.0	0.58	4.77	1.6	1.8	6.0	73
	6	0.8	920	2.9	67.0	0.62	8.30	1.8	1.8	7.0	73
FL-100L1-8/6DT	8	0.55	710	2.3	62.0	0.58	7.40	1.6	1.8	6.0	73
	6	1.3	950	4.2	71.0	0.66	13.07	1.8	1.8	7.0	73
FL-100L2-8/6DT	8	0.75	710	2.93	66.0	0.59	10.09	1.6	1.8	6.0	73
	6	1.6	950	4.9	74.0	0.67	16.08	1.8	1.8	7.0	73
FL-112M-8/6DT	8	0.85	710	2.79	67.0	0.69	11.43	1.6	1.8	6.0	75
	6	2	950	6.04	74.0	0.68	20.10	1.8	1.8	7.0	75
FL-132S-8/6DT	8	1.2	730	4.16	73.0	0.60	15.70	1.6	1.8	6.0	79
	6	2.6	970	7.04	79.0	0.71	25.60	1.8	1.8	7.0	79
FL-132M1-8/6DT	8	1.6	730	5.3	76.0	0.60	20.93	1.6	1.8	6.0	79
	6	3.3	970	8.2	80.0	0.76	32.49	1.8	1.8	7.0	79
FL-132M2-8/6DT	8	2.2	730	7.2	77.0	0.60	28.78	1.6	1.8	6.0	79
	6	4.5	970	11.1	82.0	0.75	44.30	1.8	1.8	7.0	79
FL-160M-8/6DT	8	3.2	730	10	80.0	0.61	41.86	1.6	1.8	6.0	83
	6	6.5	980	15.5	84.0	0.76	63.34	1.8	1.8	7.0	83
FL-160L-8/6DT	8	4.5	730	13.4	82.0	0.62	58.86	1.6	1.8	6.0	83
	6	9	980	20.7	86.0	0.77	87.69	1.8	1.8	7.0	83
FL-180L-8/6DT	8	6.5	730	18.8	81.0	0.65	85.03	1.5	1.8	6.0	86
	6	13	980	29.8	86.0	0.77	126.7	1.5	1.8	7.0	86
FL-200L1-8/6DT	8	8.5	730	23.9	82.0	0.66	111.2	1.5	1.8	6.0	88
	6	17	980	37.1	87.0	0.80	165.6	1.5	1.8	7.0	88
FL-200L2-8/6DT	8	11	730	29.6	83.0	0.68	143.9	1.5	1.8	6.0	88
	6	21	980	45.3	88.0	0.80	204.6	1.5	1.8	7.0	88
FL-225M-8/6DT	8	15	730	33.6	87.0	0.78	196.2	1.5	1.8	6.0	92
	6	30	980	61.7	89.0	0.83	292.3	1.5	1.8	7.0	92
FL-250M-8/6DT	8	18	735	39.3	87.0	0.80	233.9	1.5	1.8	6.0	92
	6	37	980	72.6	90.0	0.86	360.5	1.5	1.8	7.0	92
FL-280S-8/6DT	8	22	735	46.9	88.0	0.81	285.8	1.5	1.8	6.0	96
	6	45	980	88.3	90.0	0.86	438.5	1.5	1.8	7.0	96
FL-280M1-8/6DT	8	28	735	59.01	89.0	0.81	363.8	1.5	1.8	6.0	96
	6	55	980	111.99	91.0	0.82	535.9	1.5	1.8	7.0	96
FL-280M2-8/6DT	8	32	735	67.44	89.0	0.81	415.7	1.5	1.8	6.0	96
	6	65	980	132.35	91.0	0.82	633.4	1.5	1.8	7.0	96
FL-315S-8/6DT	8	37	735	80.08	90.0	0.78	480.7	1.5	1.8	6.0	100
	6	75	985	149.08	91.0	0.84	727.1	1.5	1.8	7.0	100
FL-315M-8/6DT	8	45	735	93.92	91.0	0.80	584.6	1.5	1.8	6.0	100
	6	90	985	174.87	92.0	0.85	872.5	1.5	1.8	7.0	100
FL-315L1-8/6DT	8	55	740	117.7	91.0	0.78	709.7	1.5	1.8	6.0	100
	6	110	985	213.7	92.0	0.85	1066.4	1.5	1.8	7.0	100
FL-315L2-8/6DT	8	66	740	146.9	91.0	0.75	851.7	1.5	1.8	6.0	100
	6	132	985	256.5	92.0	0.85	1279.7	1.5	1.8	7.0	100

► FL-DT系列电机技术参数 / Technical Data - Change-pole Multi-speed Motor - 380V/50Hz

电机型号 Model	极 数 Poles	额定功率 Rated Output	满 载 时 Full Load				额定转矩 Rated Torque (Tn)	堵转转矩 额定转矩	最大转矩 额定转矩	堵转电流 额定电流	噪 声 Noise
			转 速 Speed	电 流 Input Current	效 率 Efficiency	功率因素 Power Factor					
			kW	RPM	Amp	η %					
FL-112M-8/6/4DT	8	0.6	710	2.8	61.0	0.53	8.07	1.3	1.8	4.0	82
	6	0.8	950	3.3	65.0	0.57	8.04	1.4	1.8	6.5	82
	4	2.3	1440	6.1	79.0	0.73	15.25	2.0	1.8	7.5	82
FL-132S-8/6/4DT	8	0.8	730	3.1	68.0	0.57	10.46	1.3	1.8	4.0	82
	6	1.1	970	3.9	71.0	0.60	10.83	1.4	1.8	6.5	82
	4	3.1	1460	7.4	81.0	0.79	20.28	2.0	1.8	7.5	82
FL-132M-8/6/4DT	8	1.1	730	4.07	72.0	0.57	14.39	1.3	1.8	4.0	82
	6	1.5	970	4.74	74.0	0.65	14.77	1.4	1.8	6.5	82
	4	4.5	1460	10.05	83.0	0.82	29.43	2.0	1.8	7.5	82
FL-160M-8/6/4DT	8	1.5	720	4.97	79.0	0.58	19.89	0.95	1.8	4.0	86
	6	2.6	960	7.46	79.0	0.67	25.86	1.4	1.8	6.5	86
	4	7.5	1440	16.54	84.0	0.82	49.73	1.8	1.8	7.5	86
FL-160L-8/6/4	8	2	720	6.3	81.0	0.60	26.53	0.95	1.8	4.0	86
	6	3.5	960	9.7	81.0	0.68	34.81	1.4	1.8	6.5	86
	4	10.2	1440	21.2	86.0	0.85	67.64	1.8	1.8	7.5	86
FL-180M-8/6/4DT	8	2.6	740	7.8	80.0	0.63	33.55	0.95	1.8	5.5	90
	6	4.5	980	10.7	80.0	0.80	43.85	1.4	1.8	7.5	90
	4	13	1470	25.5	86.0	0.90	84.45	1.8	1.8	8.0	90
FL-180L-8/6/4DT	8	3.3	740	9.8	81.0	0.63	42.58	0.95	1.8	5.5	90
	6	6	980	13.9	81.0	0.81	58.46	1.4	1.8	7.5	90
	4	16	1470	31	87.0	0.90	103.9	1.8	1.8	8.0	90
FL-200L-8/6/4DT	8	4.5	740	13.4	82.0	0.62	58.07	0.95	1.8	5.5	90
	6	8	980	18.1	82.0	0.82	77.95	1.4	1.8	7.5	90
	4	22	1470	42.7	87.0	0.90	142.9	1.8	1.8	8.0	90
FL-225S-8/6/4DT	8	5.5	740	14	85.0	0.70	70.97	1.1	1.8	5.5	92
	6	10	980	21.5	83.0	0.85	97.44	1.4	1.8	7.5	92
	4	28	1480	54.3	89.0	0.88	180.7	1.8	1.8	8.0	92
FL-225M-8/6/4DT	8	7.5	740	17.7	87.0	0.74	96.78	1.1	1.8	5.5	92
	6	12	980	25.5	83.0	0.86	116.9	1.4	1.8	7.5	92
	4	34	1480	65.2	89.0	0.89	219.4	1.8	1.8	8.0	92
FL-250M-8/6/4DT	8	10	740	23	88.0	0.75	129.0	1.1	1.8	5.5	92
	6	15.5	980	32.6	85.0	0.85	151.0	1.4	1.8	7.5	92
	4	44	1480	80.74	90.0	0.92	283.9	1.8	1.8	8.0	92
FL-280S-8/6/4DT	8	12	740	28	88.0	0.74	154.8	1.1	1.8	5.5	94
	6	18	980	37.85	85.0	0.85	175.4	1.4	1.8	7.5	94
	4	55	1480	100.93	90.0	0.92	354.9	1.8	1.8	8.0	94
FL-280M-8/6/4DT	8	15	740	33.69	89.0	0.76	193.6	1.1	1.8	5.5	94
	6	21	980	43.14	86.0	0.86	204.6	1.4	1.8	7.5	94
	4	66	1480	119.78	91.0	0.92	425.8	1.8	1.8	8.0	94
FL-315S-8/6/4DT	8	19	735	44.43	89.0	0.73	246.8	1.3	1.8	5.5	100
	6	27	985	56.1	87.0	0.84	261.7	1.4	1.8	7.5	100
	4	75	1480	139.1	90.0	0.91	483.9	1.8	1.8	8.0	100
FL-315M-8/6/4DT	8	22	735	51.6	90.0	0.72	285.8	1.3	1.8	5.5	100
	6	32	985	65.8	88.0	0.84	310.2	1.4	1.8	7.5	100
	4	90	1480	165.1	91.0	0.91	580.7	1.8	1.8	8.0	100
FL-315L1-8/6/4DT	8	28	740	63.88	90.0	0.74	361.3	1.3	1.8	5.5	100
	6	40	985	81.3	88.0	0.85	387.8	1.4	1.8	7.5	100
	4	115	1480	211	91.0	0.91	742.0	1.8	1.8	8.0	100
FL-315L2-8/6/4DT	8	35	740	81.2	91.0	0.72	451.6	1.3	1.8	5.5	100
	6	51	985	103.7	89.0	0.84	494.4	1.4	1.8	7.5	100
	4	140	1480	256.9	92.0	0.90	903.3	1.8	1.8	8.0	100

YB3 系列高压隔爆型三相异步电动机

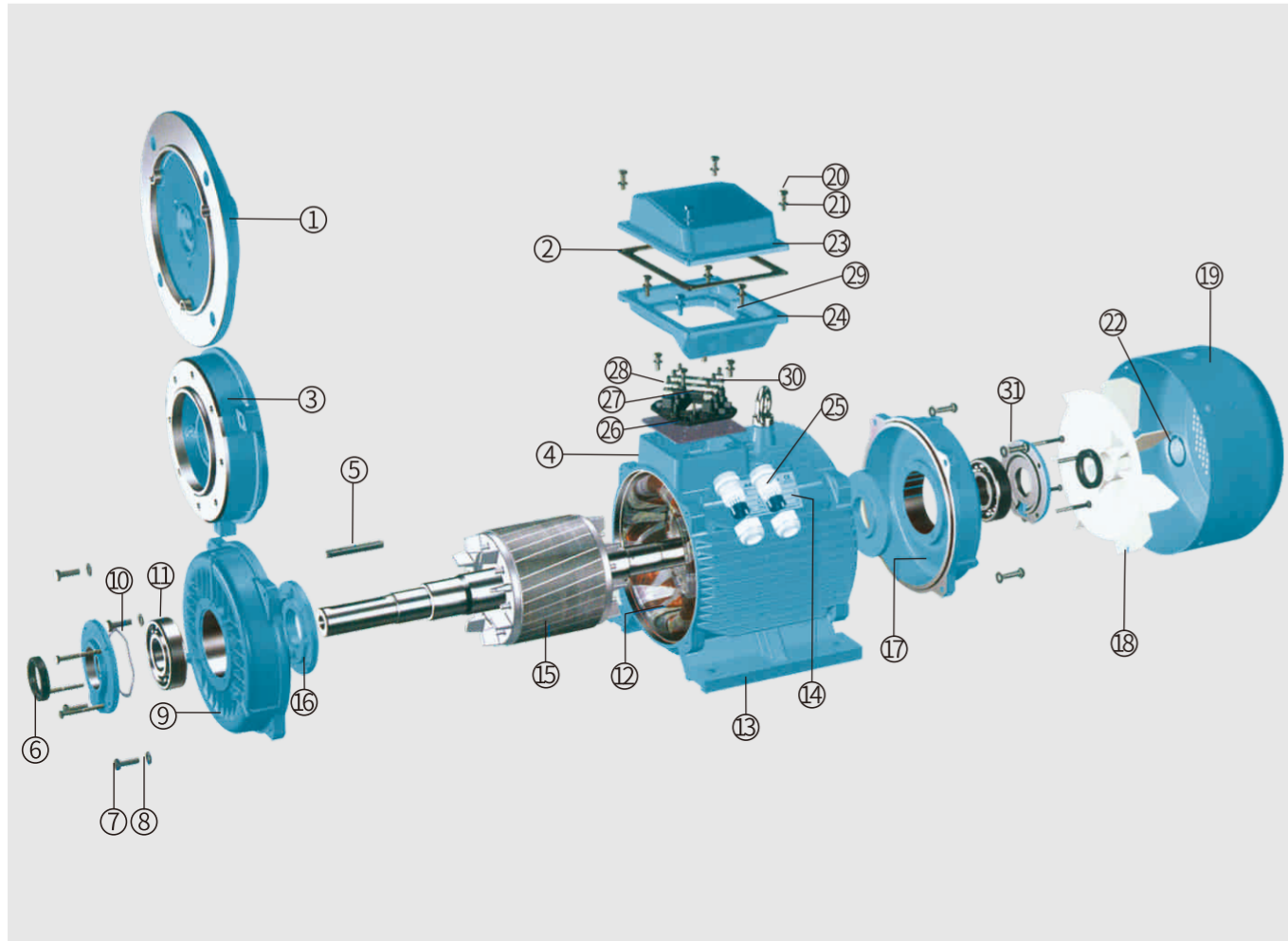
[ YB3 series high voltage flame proof three phase asynchronous motor ]



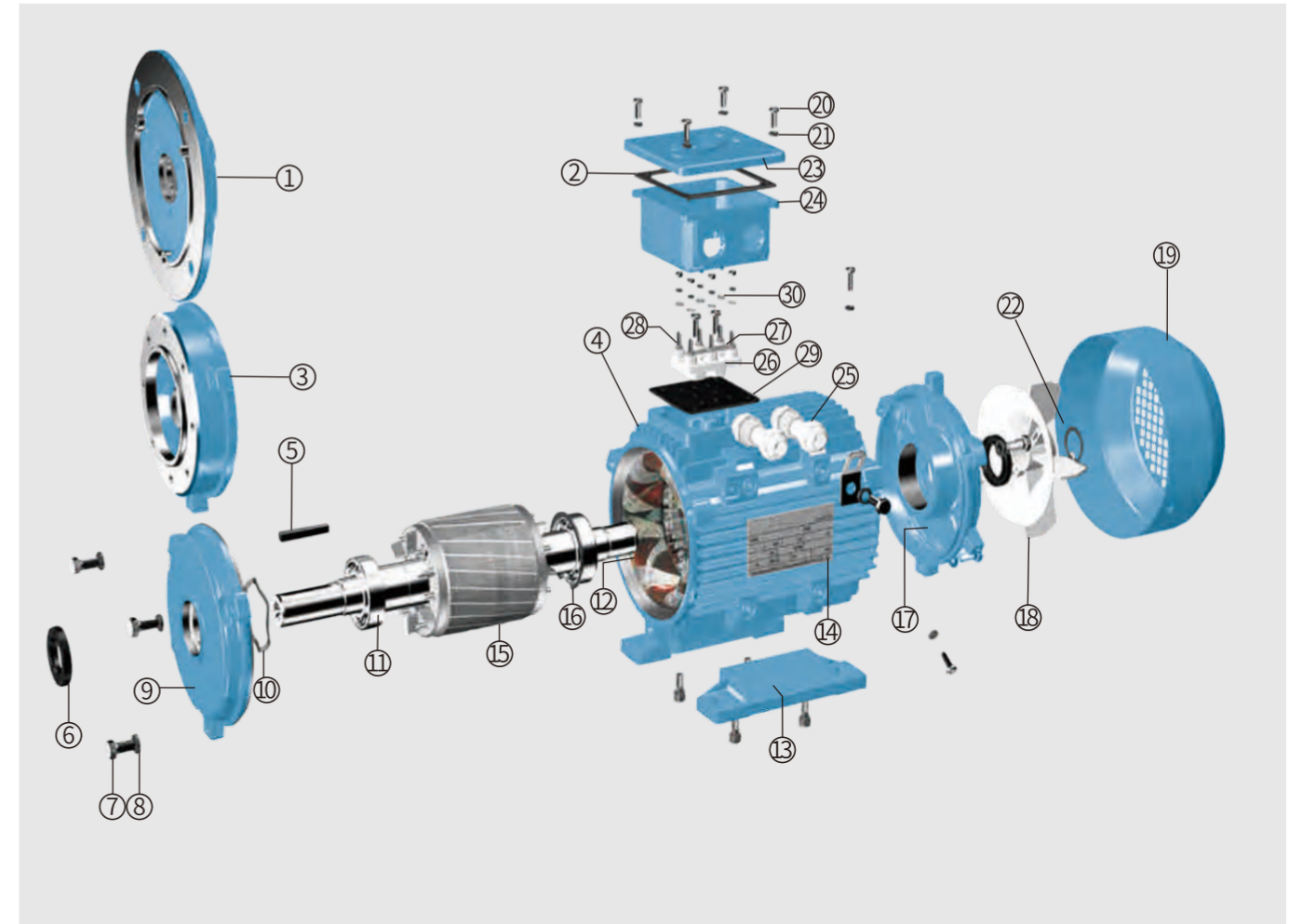
► 选型配置 / Options

环境温度: -15°C~40°C  
 海 拔: 不超过1000米  
 额定功率: 185kW-3150kW  
 机座: H355-H630  
 机座材质: 铸铁  
 额定电压: 6000V, 10000V  
 频率: ≤60Hz  
 转速: 0-3600 RPM  
 防护等级: IP54/IP55  
 绝缘等级: F级/H级  
 工作制: S1

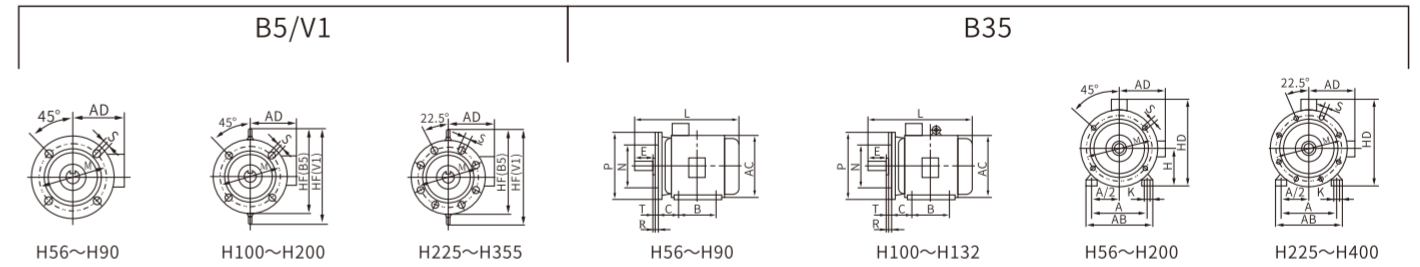
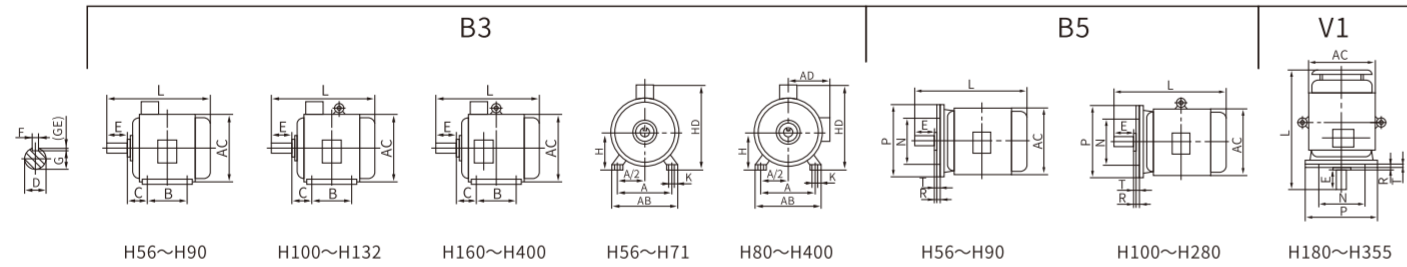
Ambient Temperature: -15°C~40°C  
 Altitude: up to 1000 meters  
 Rated Power: 185kW-3150kW  
 Frame Size: H355-H630  
 Frame Material: Cast Iron  
 Rated Voltage: 6000V, 10000V  
 Rated Frequency: ≤60Hz  
 Speed: 0-3600 RPM  
 Ingress Protection: IP54/IP55  
 Insulation Class: F/H  
 Work Duty: S1



- |                               |                               |                             |
|-------------------------------|-------------------------------|-----------------------------|
| 1. B5端盖(B5 Flange)            | 12. 有绕组铁心(Stator)             | 23. 接线盒盖(Terminal Box Lid)  |
| 2. 密封垫(Gasket)                | 13. 底脚(Feet)                  | 24. 接线盒座(Terminal Box Base) |
| 3. B14端盖(B14 Flange)          | 14. 铭牌(Nameplate)             | 25. 螺母螺套(Cable Gland)       |
| 4. 机座(Housing/Body)           | 15. 转子(Rotor)                 | 26. 接线板(Terminal Board)     |
| 5. 键(Key)                     | 16. 内轴承盖(Inner Bearing Cap)   | 27. 铜连接片(Brass Lug)         |
| 6. 密封圈(V Ring/Oil Seal)       | 17. 后端盖(Rear Endshield/Cover) | 28. 铜螺帽(Brass Nut)          |
| 7. 螺栓(Bolt)                   | 18. 风叶(Fan)                   | 29. 接地标志(Earth Mark)        |
| 8. 弹簧垫圈(Spring Washer)        | 19. 风罩(Fan Cover)             | 30. 铜垫片(Brass Washer)       |
| 9. 前端盖(Front endshield/Cover) | 20. 螺丝(Screw)                 | 31. 外轴承盖(Outer Bearing Cap) |
| 10. 波形圈(Wave Washer)          | 21. 垫圈(Washer)                |                             |
| 11. 轴承(Bearing)               | 22. 风叶用弹性挡圈(Fan Clamp)        |                             |

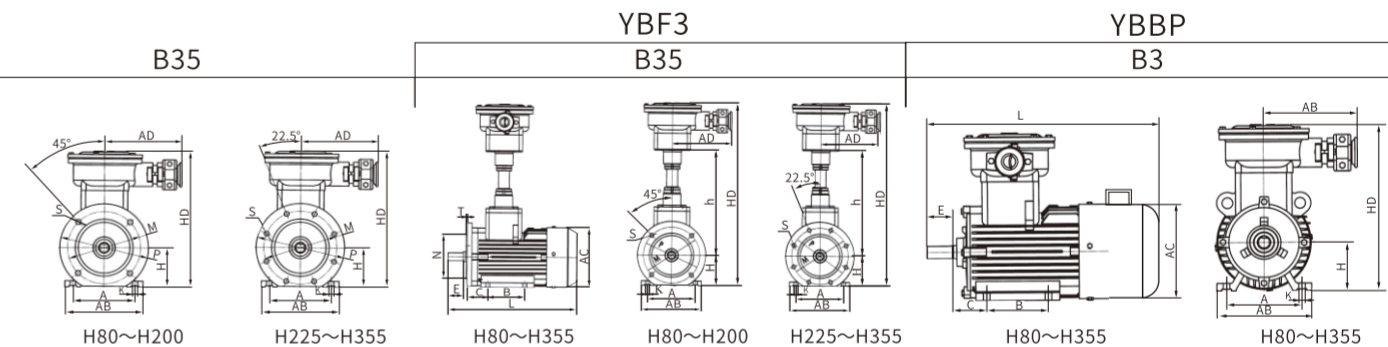
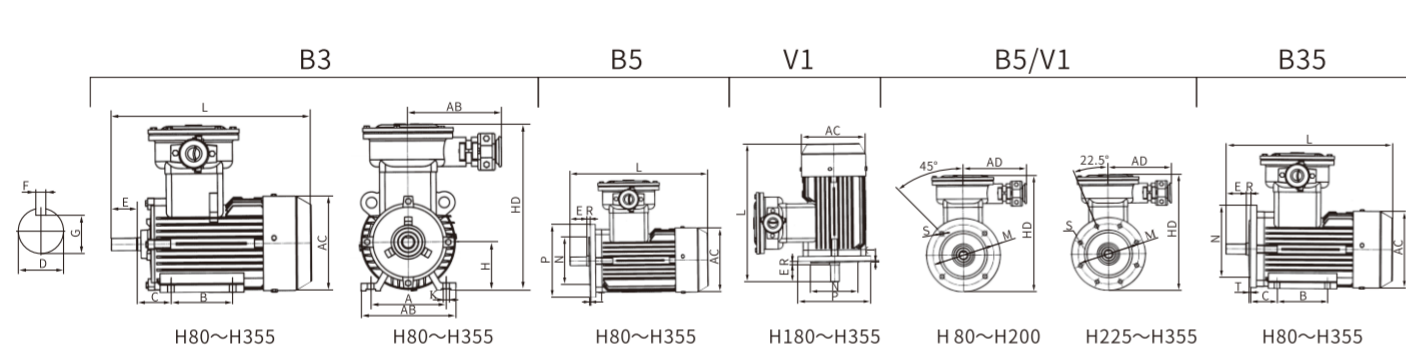


- |                               |                               |                             |
|-------------------------------|-------------------------------|-----------------------------|
| 1. B5端盖(B5 Flange)            | 12. 有绕组铁心(Stator)             | 23. 接线盒盖(Terminal Box Lid)  |
| 2. 密封垫(Gasket)                | 13. 底脚(Feet)                  | 24. 接线盒座(Terminal Box Base) |
| 3. B14端盖(B14 Flange)          | 14. 铭牌(Nameplate)             | 25. 螺母螺套(Cable Gland)       |
| 4. 机座(Housing/Body)           | 15. 转子(Rotor)                 | 26. 接线板(Terminal Board)     |
| 5. 键(Key)                     | 16. 卡簧(Circlip)               | 27. 铜连接片(Brass Lug)         |
| 6. 密封圈(V Ring/Oil Seal)       | 17. 后端盖(Rear Endshield/Cover) | 28. 铜螺帽(Brass Nut)          |
| 7. 螺栓(Bolt)                   | 18. 风叶(Fan)                   | 29. 接地标志(Earth Mark)        |
| 8. 弹簧垫圈(Spring Washer)        | 19. 风罩(Fan Cover)             | 30. 铜垫片(Brass Washer)       |
| 9. 前端盖(Front endshield/Cover) | 20. 螺丝(Screw)                 |                             |
| 10. 波形圈(Wave Washer)          | 21. 垫圈(Washer)                |                             |
| 11. 轴承(Bearing)               | 22. 风叶用弹性挡圈(Fan Clamp)        |                             |



型号 Model	极数 Poles	安装尺寸 Mounting Dimensions													
		A	A/2	B	C	D	E	F	G	H	K	M	N	P	R
56	2,4	90	45	71	36	9	20	5	7.2	56	5.8	100	80	120	0
63	2,4	100	50	80	40	11	23	4	8.5	63	7	115	95	140	0
71	2,4,6	112	56	90	45	14	30	5	11	71	7	130	110	160	0
80	2,4,6,8	125	62.5	100	50	19	40	6	15.5	80	10	165	130	200	0
90S	2,4,6,8	140	70	100	56	24	50	8	20	90	10	165	130	200	0
90L	2,4,6,8	140	70	125	56	24	50	8	20	90	10	165	130	200	0
100L	2,4,6,8	160	80	140	63	28	60	8	24	100	12	215	180	250	0
112M	2,4,6,8	190	95	140	70	28	60	8	24	112	12	215	180	250	0
132S	2,4,6,8	216	108	140	89	38	80	10	33	132	12	265	230	300	0
132M	4,6,8	216	108	178	89	38	80	10	33	132	12	265	230	300	0
160M	2,4,6,8	254	127	210	108	42	110	12	37	160	14.5	300	250	350	0
160L	2,4,6,8	254	127	254	108	42	110	12	37	160	14.5	300	250	350	0
180M	2,4,6,8	279	139.5	241	121	48	110	14	42.5	180	14.5	300	250	350	0
180L	4,6,8	279	139.5	279	121	48	110	14	42.5	180	14.5	300	250	350	0
200L	2,4,6,8	318	159	305	133	55	110	16	49	200	18.5	350	300	400	0
225S	4,8	356	178	286	149	60	140	18	53	225	18.5	400	350	450	0
225M	2	356	178	311	149	55	110	16	49	225	18.5	400	350	450	0
	4,6,8	356	178	311	149	60	140	18	53	225	18.5	400	350	450	0
250M	2	406	203	349	168	60	140	18	53	250	24	500	450	550	0
	4,6,8	406	203	349	168	65	140	18	58	250	24	500	450	550	0
280S	2	457	228.5	368	190	65	140	18	58	280	24	500	450	550	0
	4,6,8	457	228.5	368	190	75	140	20	67.5	280	24	500	450	550	0
280M	2	457	228.5	419	190	65	140	18	58	280	24	500	450	550	0
	4,6,8	457	228.5	419	190	75	140	20	67.5	280	24	500	450	550	0
315S	2	508	254	406	216	65	140	18	58	315	28	600	550	660	0
	4,6,8,10	508	254	406	216	80	170	22	71	315	28	600	550	660	0
315M	2	508	254	457	216	65	140	18	58	315	28	600	550	660	0
	4,6,8,10	508	254	457	216	80	170	22	71	315	28	600	550	660	0
315L	2	508	254	508	216	65	140	18	58	315	28	600	550	660	0
	4,6,8,10	508	254	508	216	80	170	22	71	315	28	600	550	660	0
355M	2	610	305	560	254	75	140	20	67.5	355	28	740	680	800	0
	4,6,8,10	610	305	560	254	95	170	25	86	355	28	740	680	800	0
355L	2	610	305	630	254	75	140	20	67.5	355	28	740	680	800	0
	4,6,8,10	610	305	630	254	95	170	25	86	355	28	740	680	800	0
400	2	686	343	710	280	85	170	22	76	400	35	940	880	1000	0
	4,6,8,10	686	343	710	280	110	210	28	100	400	35	940	880	1000	0

S	T	MD	法兰孔数 Flange holes	外形尺寸 Overall Dimensions																
				AB	AC	AC(IE3)	AD	AD(IE3)	HD	HD (FL-A/F/G)	HD(IE3)	HF B5/V1	HF(IE3) B5/V1	L(FL) B3/B5/B35	V1	B3	L(IE3) B5/B35	V1	L(FL-V)	L(FL-J)
7	3	M4	4	110	115	-	70	-	135	135	-	-	-	170	-	-	-	-	-	-
10	3	M4	4	135	130	-	70	-	180	150	-	130	-	230	-	-	-	-	-	-
10	3.5	M5	4	150	145	-	80	-	195	168	-	145	-	255	-	-	-	-	-	-
12	3.5	M6	4	165	175	175	145	145	220	180	220	185	-	295	-	305	305	-	370	355
12	3.5	M8	4	180	195	205	155	170	250	200	265	195	-	320	-	360	395	-	380	385
12	3.5	M8	4	180	195	205	155	170	250	200	265	195	-	345	-	390	425	-	410	420
14.5	4	M10	4	205	215	215	180	180	270	230	270	245	240	385	-	435	435	-	465	450
14.5	4	M10	4	230	240	255	190	200	300	255	310	265	275	400	-	440	475	-	480	470
14.5	4	M12	4	270	275	310	210	230	345	290	365	315	335	470	-	510	535	-	530	545
14.5	4	-	4	270	275	310	210	230	345	-	365	315	335	510	-	550	550	-	570	585
18.5	5	-	4	320	330	340	255	260	420	-	425	385	390	615	-	730	730	-	660	725
18.5	5	-	4	320	330	340	255	260	420	-	425	385	390	670	-	760	760	-	715	780
18.5	5	-	4	355	380	390	280	285	455	-	460	430/500	435/505	700	760	770	805	825	775	800
18.5	5	-	4	355	380	390	280	285	455	-	460	430/500	435/505	740	800	800	835	845	815	840
18.5	5	-	4	395	420	445	305	320	505	-	520	480/550	495/565	770	840	860	890	940	850	905
18.5	5	-	8	435	470	495	335	350	560	-	575	535/610	550/625	815	905	830	865	945	885	965
18.5	5	-	8	435	470	495	335	350	560	-	575	535/610	550/625	820	910	830	865	945	915	970
18.5	5	-	8	435	470	495	335	350	560	-	575	535/610	550/625	845	935	860	985	975	915	995
18.5	5	-	8	490	510	550	370	390	615	-	635	595/650	615/670	910	1015	990	995	1095	980	-
18.5	5	-	8	490	510	550	370	390	615	-	635	595/650	615/670	910	1015	990	995	1095	980	-
18.5	5	-	8	550	580	630	410	435	680	-	705	650/720	675/745	985	1110	990	1030	1155	1085	-
18.5	5	-	8	550	580	630	410	435	680	-	705	650/720	675/745	985	1110	990	1030	1155	1085	-
18.5	5	-	8	550	580	630	410	435	680	-	705	650/720	675/745	1035	1150	1040	1080	1195	1135	-
18.5	5	-	8	550	580	630	410	435	680	-	705	650/720	675/745	1035	1150	1040	1080	1195	1135	-
24	6	-	8	635	645	645	530	530	845	-	845	900	900	1240	1360	1180	1180	1280	1285	-
24	6	-	8	635	645	645	530	530	845	-	845	900	900	1270	1390	1290	1290	1400	1285	-
24	6	-	8	635	645	645	530	530	845	-	845	900	900	1350	1470	1210	1210	1310	1395	-
24	6	-	8	635	645	645	530	530	845	-	845	900	900	1380	1510	1320	1320	1430	1395	-
24	6	-	8	635	645	645	530	530	845	-	845	900	900	1350	1470	1210	1210	1310	1395	-
24	6	-	8	635	645	645	530	530	845	-	845	900	900	1380	1510	1320	1320	1430	1395	-
24	6	-	8	730	710	710	655	655	1010	-	1010	1010	1010	1500	1640	1500	1500	1640	1565	-
24	6	-	8	730	710	710	655	655	1010	-	1010	1010	1010	1530	1670	1530	1530	1670	1595	-
24	6	-	8	730	710	710	655	655	1010	-	1010	1010	1010	1500	1640	1500	1500	1640	1565	-
24	6	-	8	730	710	710	655	655	1010	-	1010	1010	1010	1530	1670	1530	1530	1670	1595	-
28	6	-	8	806	850	-	-	-	1090	-	-	-	-	1880	-	-	-	-	2400	-
28	6	-	8	806	850	-	-	-	1090	-	-	-	-	1920	-	-	-	-	2440	-

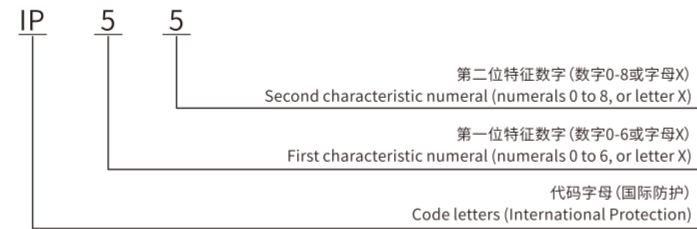


型号 Model	极数 Poles	安装尺寸 Mounting Dimensions													
		A	B	C	D	E	F	G	H	K	M	N	P	R	S
63	2,4,6,8	100	80	40	11	23	4	8.5	63	7	115	95	140	0	10
71	2,4,6,8	112	90	45	14	30	5	11	71	7	130	110	160	0	10
80M	2,4,6,8	125	100	50	19	40	6	15.5	80	10	165	130	200	0	12
90S	2,4,6,8	140	100	56	24	50	8	20	90	10	165	130	200	0	12
90L	2,4,6,8	140	125	56	24	50	8	20	90	10	165	130	200	0	12
100L	2,4,6,8	160	140	63	28	60	8	24	100	12	215	180	250	0	14.5
112M	2,4,6,8	190	140	70	28	60	8	24	112	12	215	180	250	0	14.5
132S	2,4,6,8	216	140	89	38	80	10	33	132	12	265	230	300	0	14.5
132M	2,4,6,8	216	178	89	38	80	10	33	132	12	265	230	300	0	14.5
160M	2,4,6,8	254	210	108	42	110	12	37	160	14.5	300	250	350	0	18.5
160L	2,4,6,8	254	254	108	42	110	12	37	160	14.5	300	250	350	0	18.5
180M	2,4,6,8	279	241	121	48	110	14	42.5	180	14.5	300	250	350	0	18.5
180L	2,4,6,8	279	279	121	48	110	14	42.5	180	14.5	300	250	350	0	18.5
200L	2,4,6,8	318	305	133	55	110	16	49	200	18.5	350	300	400	0	18.5
225S	4,8	356	286	149	60	140	18	53	225	18.5	400	350	450	0	18.5
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	450	0	18.5
	4,6,8	356	311	149	60	140	18	53	225	18.5	400	350	450	0	18.5
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	18.5
	4,6,8	406	349	168	65	140	18	58	250	24	500	450	550	0	18.5
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	18.5
	4,6,8	457	368	190	75	140	20	67.5	280	24	500	450	550	0	18.5
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0	18.5
	4,6,8	457	419	190	75	140	20	67.5	280	24	500	450	550	0	18.5
315S	2	508	406	216	65	140	18	58	315	28	600	550	660	0	24
	4,6,8	508	406	216	80	170	22	71	315	28	600	550	660	0	24
315M	2	508	457	216	65	140	18	58	315	28	600	550	660	0	24
	4,6,8	508	457	216	80	170	22	71	315	28	600	550	660	0	24
315L	2	508	508	216	65	140	18	58	315	28	600	550	660	0	24
	4,6,8	508	508	216	80	170	22	71	315	28	600	550	660	0	24
355S	2	610	500	254	75	140	20	67.5	355	28	740	680	800	0	24
	4,6,8	610	500	254	95	170	25	86	355	28	740	680	800	0	24
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	0	24
	4,6,8	610	560	254	95	170	25	86	355	28	740	680	800	0	24
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	24
	4,6,8	610	630	254	95	170	25	86	355	28	740	680	800	0	24

T	法兰孔数 Flange holes	外形尺寸 Overall Dimensions											进线口螺纹 Cable gland
		通用		YBF3		B3/B5/V1/B35							
		AB	AC	AD	HD	HD	h	YBX4/YBX3	YFB2/YBF3	YBBP	YBEJ3	YBD3	
3.5	4	125	124	165	230	-	-	241	-	-	284	-	M30×2
3.5	4	140	143	165	250	-	-	272	241	-	312	241	M30×2
3.5	4	165	165	180	320	540	460	320	330	455	365	330	M30×2
3.5	4	180	180	180	350	650	570	370	360	480	412	360	M30×2
3.5	4	180	180	180	350	650	570	395	385	505	437	385	M30×2
4	4	200	205	180	400	660	580	475	440	570	479	440	M30×2
4	4	245	230	200	420	660	555	500	460	585	507	460	M30×2
4	4	280	270	200	450	740	640	570	510	660	550	510	M30×2
4	4	280	270	200	450	740	640	615	550	700	580	550	M30×2
5	4	330	325	220	520	940	830	755	670	820	708	670	M36×2
5	4	330	325	220	520	940	830	795	710	860	748	710	M36×2
5	4	355	360	220	550	970	860	805	730	900	770	730	M36×2
5	4	355	360	220	550	970	860	805	750	920	790	750	M36×2
5	4	390	400	250	645	900	800	865	805	965	849	805	M48×2
5	8	435	450	250	690	1085	970	915	865	995	888	865	M48×2
5	8	435	450	250	690	1085	970	925	860	990	883	860	M48×2
5	8	435	450	250	690	1085	970	955	890	1020	913	890	M48×2
5	8	490	500	300	730	1125	1010	995	945	1085	-	945	M48×2
5	8	490	500	300	730	1125	1010	995	945	1085	-	945	M48×2
5	8	545	565	300	810	1230	1070	1050	1010	1245	-	1010	M48×2
5	8	545	565	300	810	1230	1070	1050	1010	1245	-	1010	M48×2
5	8	545	565	300	810	1230	1070	1125	1060	1295	-	1060	M48×2
5	8	545	565	300	810	1230	1070	1125	1060	1295	-	1060	M48×2
6	8	640	630	400	1020	1170	950	1140	1140	1320	-	1140	M48×2
6	8	640	630	400	1020	1170	950	1170	1170	1380	-	1170	M48×2
6	8	640	630	400	1020	1170	950	1260	1260	1440	-	1260	M48×2
6	8	640	630	400	1020	1170	950	1290	1290	1470	-	1290	M48×2
6	8	640	630	400	1020	1170	950	1260	1260	1440	-	1260	M48×2
6	8	640	630	400	1020	1170	950	1290	1290	1470	-	1290	M48×2
6	8	740	750	500	1080	1820	1600	-	1450	1670	-	1450	M48×2
6	8	740	750	500	1080	1820	1600	1480	1480	1700	-	1480	M48×2
6	8	740	750	500	1080	1820	1600	1570	1570	1790	-	1570	M48×2
6	8	740	750	500	1080	1820	1600	1600	1600	1820	-	1600	M48×2
6	8	740	750	500	1080	1820	1600	1640	1640	1860	-	1640	M48×2
6	8	740	750	500	1080	1820	1600	1670	1670	1890	-	1670	M48×2



电机外壳防护等级 (IP代码)  
Degrees of protection provided by enclosures (IP Code)  
IP代码的配置  
Arrangement of the IP Code



第一位特征数字 First characteristic numeral	防护等级 / Degree of protection
0	无防护 / Non-protected
1	防止直径不小于50mm的固体异物 / Protected against solid foreign objects of 50mm φ and greater
2	防止直径不小于12.5mm的固体异物 / Protected against solid foreign objects of 12.5mm φ and greater
3	防止直径不小于2.5mm的固体异物 / Protected against solid foreign objects of 2.5mm φ and greater
4	防止直径不小于1.0mm的固体异物 / Protected against solid foreign objects of 1.0mm φ and greater
5	防尘 / Dust-protected
6	20毫巴尘密 / Dust-tight

第二位特征数字 Second characteristic numeral	防护等级 / Degree of protection
0	无防护 / Non-protected
1	防止垂直方向滴水 / Protected against vertically falling water drops
2	防止当外壳在15°范围内倾斜时垂直方向滴水 / Protected against vertically falling water drops when enclosure tilted up to 15°
3	防淋水 / Protected against spraying water
4	防溅水 / Protected against splashing water
5	防喷水 / Protected against water jets
6	防强烈喷水 / Protected against powerful water jets
7	防短时间浸水影响 / Protected against the effects of temporary immersion in water
8	防持续潜水影响 / Protected against the effects of continuous immersion in water

### 电机轴承型号表 / Bearing Size

机座号 Frame Size	极数 Poles	标准系列及派生系列电机 standard motor and derived series motor				防爆系列及其派生系列电机 flameproof motor and derived series motor	
		IEC 标准(铸铁和铸铝) IEC Standard (Cast Iron & Aluminium)		方力2020款设计(铸铁) Fangli 2020 Design(Cast Iron)			
		轴伸端轴承型号 Bearing on DE	非伸端轴承型号 Bearing on NDE	轴伸端轴承型号 Bearing on DE	非伸端轴承型号 Bearing on NDE	轴伸端轴承型号 Bearing on DE	非伸端轴承型号 Bearing on NDE
56	2, 4	6201-2RZ/C3	6201-2RZ/C3	N/A	N/A	N/A	N/A
63	2, 4	6201-2RZ/C3	6201-2RZ/C3	N/A	N/A	6201-2RZ/C3	6201-2RZ/C3
71	2, 4, 6	6202-2RZ/C3	6202-2RZ/C3	N/A	N/A	6202-2RZ/C3	6202-2RZ/C3
80	2, 4, 6, 8	6204-2RZ/C3	6204-2RZ/C3	6204-2RZ/C3	6204-2RZ/C3	6204-2RZ/C3	6204-2RZ/C3
90	2, 4, 6, 8	6205-2RZ/C3	6205-2RZ/C3	6205-2RZ/C3	6205-2RZ/C3	6205-2RZ/C3	6205-2RZ/C3
100	2, 4, 6, 8	6206-2RZ/C3	6206-2RZ/C3	6206-2RZ/C3	6206-2RZ/C3	6206-2RZ/C3	6206-2RZ/C3
112	2, 4, 6, 8	6306-2RZ/C3 (AL Frame 6206-2RZ/C3)	6206-2RZ/C3	6306-2RZ/C3	6306-2RZ/C3	6206-2RZ/C3	6206-2RZ/C3
132	2, 4, 6, 8	6308-2RZ/C3 (AL Frame 6208-2RZ/C3)	6208-2RZ/C3	6308-2RZ/C3	6308-2RZ/C3	6208-2RZ/C3	6208-2RZ/C3
160	2	6309/C3 or 6309-2RZ/C3 (AL Frame 6309-2RZ/C3)	6309/C3 or 6309-2RZ/C3 (AL Frame 6309-2RZ/C3)	6309/C3	6309/C3	6309/C3 or 6309-2RZ/C3	6309/C3 or 6309-2RZ/C3
	4, 6, 8	6309/C3 or 6309-2RZ/C3 (AL Frame 6309-2RZ/C3)	6309/C3 or 6309-2RZ/C3 (AL Frame 6309-2RZ/C3)	6309/C3	6309/C3	6309/C3 or 6309-2RZ/C3	6309/C3 or 6309-2RZ/C3
180	2	6311/C3	6211/C3	6311/C3	6311/C3	6211/C3	6211/C3
	4, 6, 8	6311/C3	6211/C3	6311/C3	6311/C3	6311/C3	6211/C3
200	2	6312/C3	6212/C3	6312/C3	6312/C3	6212/C3	6212/C3
	4, 6, 8	6312/C3	6212/C3	6312/C3	6312/C3	6312/C3	6212/C3
225	2	6312/C3	6312/C3	6312/C3	6312/C3	6312/C3	6312/C3
	4, 6, 8	6313/C3	6312/C3	6313/C3	6312/C3	6313/C3	6312/C3
250	2	6313/C3	6313/C3	6313/C3	6313/C3	6313/C3	6313/C3
	4, 6, 8	6314/C3	6313/C3	6314/C3	6313/C3	6314/C3	6313/C3
280	2	6314/C3	6314/C3	6314/C3	6314/C3	6314/C3	6314/C3
	4, 6, 8, 10	6317/C3	6314/C3	6317/C3	6314/C3	6317/C3	6314/C3
315	2	6317/C3	6317/C3	6317/C3	6317/C3	6316/C3	6316/C3
	4, 6, 8, 10	NU319/C3	6319/C3	NU319/C3	6319/C3	NU319/C3	6319/C3
355	2	6319/C3	6319/C3	6319/C3	6319/C3	6319/C3	6319/C3
	4, 6, 8, 10	NU322/C3	6322/C3	NU322/C3	6322/C3	NU322/C3	6322/C3
400	2	6326-C3	6326-C3	N/A	N/A	N/A	N/A
	4, 6, 8, 10	NU326-C3	6326-C3	N/A	N/A	N/A	N/A

### 国际电工委员会 IEC 60034-7 标准规定的电机安装方式 Mounting arrangements according to IEC 60034-7 standard

电机安装方式 Mounting Arrangements	机座带底脚，端盖上无凸缘的电动机 Feet mounting without flange					
	B3(IM1001)	V5(IM1011)	V6(IM1031)	B6(IM1051)	B7(IM1061)	B8(IM1071)
制造范围 Range	H56~H400	H56~H160	H56~H160	H56~H160	H56~H160	H56~H160
示意图 Diagram						
电机安装方式 Mounting Arrangements	机座不带底脚，端盖上有大凸缘的电动机 Large flange mounting without feet			机座带底脚，端盖上有大凸缘的电动机 Large flange and feet mounting		
	B5(IM3001)	V1(IM3011)	V3(IM3031)	B35(IM2001)	V15(IM2011)	V35(IM2031)
制造范围 Range	H56~H280	H56~H355	H56~H160	H56~H400	H56~H160	H56~H160
示意图 Diagram						
电机安装方式 Mounting Arrangements	机座不带底脚，端盖上有小凸缘的电动机 Small flange mounting without feet			机座带底脚，端盖上有小凸缘的电动机 Small flange and feet mounting		
	B14(IM3601)	V18(IM3611)	V19(IM3631)	B34(IM2101)	V17(IM2111)	V37(IM2131)
制造范围 Range	H56~H132	H56~H132	H56~H132	H56~H132	H56~H132	H56~H132
示意图 Diagram						