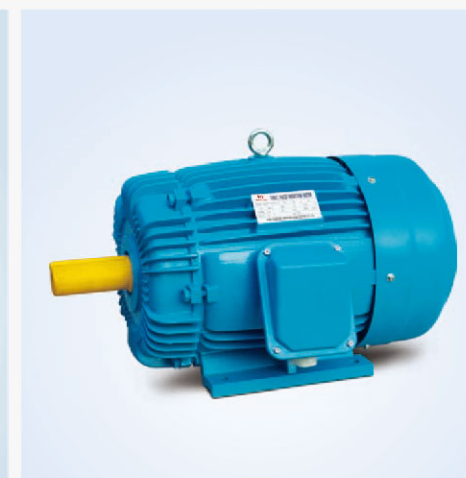




GREENSKY POWER®

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THREE PHASE AC MOTORS

三相交流电机

杭州绿天新能源科技有限公司
Greensky Power Company Limited

绿天新能源

GREENSKY POWER
PROFESSIONAL MOTOR AND CONTROLLER SUPPLIER

15年机电生产和销售经验

15 YEARS EXPERIENCE IN ELECTROMECHANIC PRODUCTION AND SALE

“一次即永久”的质量原则

“ONCE AND FOREVER” QUALITY PRINCIPAL

中德领先品牌

A SINO-GERMAN LEADING BRAND

绿天新能源科技有限公司自2011年以来，专业设计和制造微型电机和控制器。我们的产品主要应用于电动自行车，电动皮划艇，割草机器人，直流无刷泵，颗粒锅炉，传动机械等。2022年，我们产能达到150万台减速电机和400万台控制器。开发复杂的控制系统和质量一致性管理是我们的主要优势。正如公司标语“一次即永久”所言，我们的核心价值是与客户建立长期合作伙伴关系。

Greensky Power Company Limited specializes in design and manufacturing micro electric motor and controller since 2011. The main applications of our products are E-bike, Electric kayak, lawn mower, BLDC pump, pellet boiler, transmission machines, etc. In 2022, our production capacity is 1.5 million gearmotors and 4 million controllers. Development of complexed controlling system and quality conformance management are our main strengths. As our slogan “once and forever” stated, our core value is to build long term partnership with our customers.

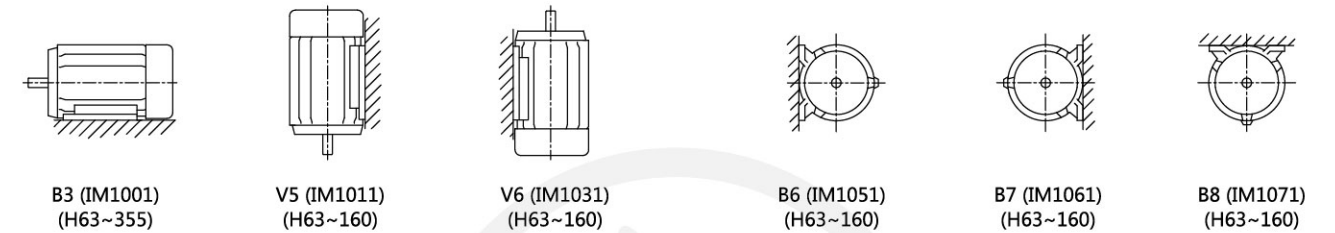


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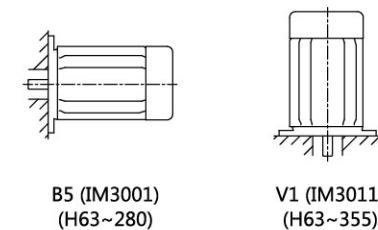
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安装结构型式 Mounting Construction

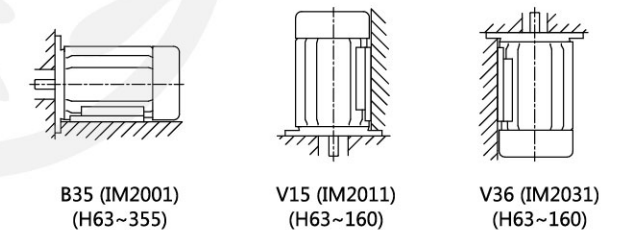
底脚 Feet



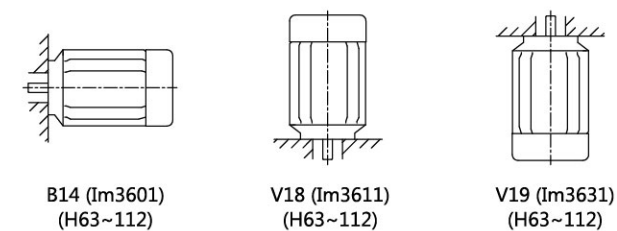
大法兰 Large Flange



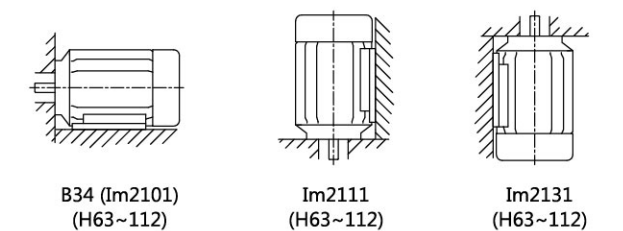
大法兰和底脚 Large Flange and Feet

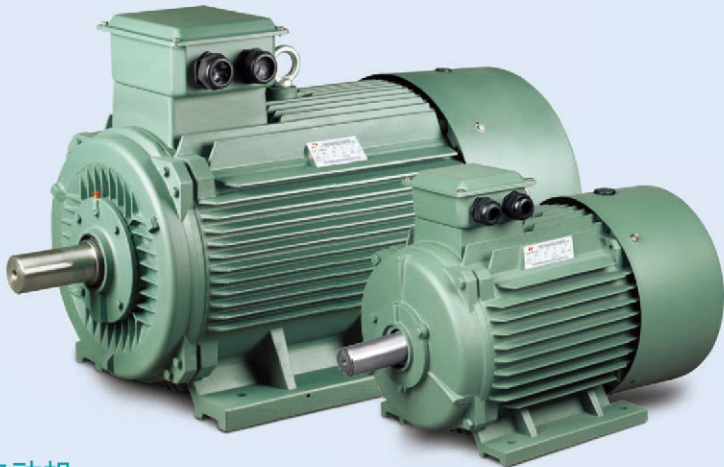


小法兰 Small Flange (face)



小法兰(面)和底脚 Small Flange (face) and Feet





YJM、YJM2、YJD2系列交流异步电动机

YJM、YJM2、YJD2 Series 3-Phase Induction Motors

总体介绍

YJM、YJM2、YJD2 系列电动机是全封闭自扇冷却式三相异步电动机，设计符合IEC、GB等相关标准的要求。

技术特性

- 机座号：H80~H355
- 额定功率：0.55kW~315kW(50Hz)
- 外壳材料：机座和法兰、端盖为灰铸铁，接线盒为钢板，可选配灰铸铁
- 标准颜色：YJM、YJM2系列电机为荷叶绿，YJD2电机为湖蓝
- 标准安装结构形式：IEC60034-7
- 标准防护等级：IP55(IEC60034-5)
- 冷却方式：IC411 (IEC60034-6)
- YJM系列电机2、4、6极达到GB18613-2012标准能效等级二级及IEC60034-30标准的IE3效率等级要求。
- YJM2系列电机2、4、6极达到GB18613-2012标准能效等级三级及IEC60034-30标准的IE2效率等级要求。
- YJD2系列电机2、4、6极满足国家电机的相关标准并且达到 IEC60034-30标准的IE1效率等级要求，并能在频率范围30~60Hz条件下运行。
- H80-H132电机，驱动端标配采用骨架油封进行密封，并可以选配采用油封进行密封，H160以上电机，驱动端采用油封进行密封作为标配。
- 特定绕组设计可支持多种电压（50Hz或60Hz）。
- 可承受1.5倍额定电流达2分钟（IEC60034-1）。
- 可选配防潮加热带（空间加热器）。
- 可选配PTC或Pt100热敏电阻进行绕组和轴承热保护。

General Information

YJM、YJM2、YJD2 series are 3 phase asynchronous motors with totally enclosed fan cooled. It is according with standard IEC, GB, etc.

Features

- Frame Size Range: H80~H355
- Rated Power Range: 0.55KW~315KW (50Hz)
- Housing Material: Frame, flange and bracket - grey cast iron; conduit box-steel (grey cast iron is available)
- Standard Color: YJM、YJM2 - Lotus leaf green; YJD2 - lake blue
- Standard Mounting Construction: IEC60034-7
- Protect Enclosed Class: IP55 (IEC60034-5)
- Cooling Method: IC411 (IEC60034-6)
- YJM-2P, 4P, 6P motors meet with Efficiency Grade 2 according to Standard GB18613-2012 and Efficiency IE3 according to Standard IEC60034-30.
- YJM2-2P, 4P, 6P motors meet with Efficiency Grade 3 according to Standard GB18613-2012 and Efficiency IE2 according to Standard IEC60034-30.
- YJD2-2P, 4P, 6P motors meet with Efficiency IE1 according to Standard IEC60034-30, and can work at wide rang of frequency from 30Hz to 60Hz.
- Motors H80~H132 adopt skeleton type oil seal on the driving end, (the oil seal is available as request). Motor ≥ H160 adopt skeleton type oil seal to seal on the driving end as standard.
- The special winding design can work for multi-voltages (50Hz or 60Hz)
- Can withstand 1.5 times of the rated current for 2 minutes (IEC60034-1)
- Anti-condensation heater is available. (space heater)
- PTC or Pt100 thermistor are available to protect the winding and bearing.

轴承型号

(适用于YJM、YJM2、YJD2系列电机)

Bearing Specifications

机座号 Frame Size	极数 Poles	驱动端轴承 Drive-end Bearing		非驱动端轴承 Non-drive-end Bearing	
		水平安装 Horizontal Mounting	垂直安装 Vertical Mounting	水平安装 Horizontal Mounting	垂直安装 Vertical Mounting
80	2, 4, 6, 8	6204 2Z		6204 2RZ	
90	2, 4, 6, 8	6205 2Z		6205 2RZ	
100	2, 4, 6, 8	6206 2Z		6206 2RZ	
112	2, 4, 6, 8	6206 2Z or 6306 2Z		6206 2RZ or 6306 2Z	
132	2, 4, 6, 8	6208 2Z or 6308 2Z		6208 2RZ or 6308 2Z	
160	2	6209 2Z		6209 2RZ	
	4, 6, 8	6309 2Z		6209 2RZ	
180	2	6211		6211	
	4, 6, 8	6311		6211	
200	2	6212		6212	
	4, 6, 8	6312		6212	
225	2	6312		6312	
	4, 6, 8	6313		6312	
250	2	6313		6313	7313C
	4, 6, 8	6314		6313	7313C
280	2	6314		6314	7314C
	4, 6, 8	6317		6314	7314C
315	2	6317		6317	7317C
	4, 6, 8	NU319		6319	7319C
355	2	6319		6319	7319C
	4, 6, 8, 10	NU322		6322	7322C

机械特性

电动机接线盒

电机接线盒的位置默认为顶端，同时接线盒自身可旋转 4×90°安装。

Mechanical Features

Conduit Box

Conduit boxes are top mounted as default on the motor. It can be rotated by 4×90° to allow for cable entry from each direction.

机座号 Frame Size	防护等级 Protection Degree	接线盒的转向 Rotation Of Conduit Box	引出线孔的数目 Number Of Cable Grand	接线端子螺丝 Terminal Bus	引出线螺套的尺寸 Cable Entry Size	长 X 宽 X 高 L X W X H (mm)
80	IP55	4×90°	1	M4	M24×1.5	110x110x60
90	IP55	4×90°	1	M4	M24×1.5	110x110x60
100	IP55	4×90°	1	M4	M24×1.5	110x110x60
112	IP55	4×90°	2	M5	2-M30×1.5	125x125x75
132	IP55	4×90°	2	M5	2-M30×1.5	125x125x75
160	IP55	4×90°	2	M6	2-M36×2	165x157x83
180	IP55	4×90°	2	M6	2-M36×2	165x157x83
200	IP55	4×90°	2	M8	2-M45×2	215x200x100
225	IP55	4×90°	2	M8	2-M45×2	215x200x100
250	IP55	4×90°	2	M10	2-M64×2	250x225x115
280	IP55	4×90°	2	M10	2-M64×2	250x225x115
315	IP55	4×90°	2	M16	2-M64×2	340x310x160
355	IP55	4×90°	2	M20	2-M72×2	410x375x190

参考标准

Reference Standards

YJM、YJM2、YJD2 系列机符合下面的电气和机械标准：

YJM、YJM2、YJD2 series comply with the following electrical and mechanical standards:

名称 Title	IEC 标准 IEC standard	中国国家标准 Chinese standard
旋转电动机定额和性能 Rotating electrical machines-Part 1:Rating and performance	IEC 60034-1	GB 755
旋转电动机损耗与效率确定的标准测试方法 Rotating electrical machines-Part 2-1:Standaed methods for determining losses and efficiency from tests(excluding machines for traction vehicles)	IEC 60034-2	GB/T 1032
旋转电机整体结构的防护等级（IP代码）分级 Rotating electrical machines-Part 5：Degrees of protection provided by the integral design of rotating electrical machines(IP code）-Classification	IEC 60034-5	GB/T 4942.1
旋转电动机冷却方法 Rotating electrical machines-Part6：Methods of cooling（IC Code）	IEC 60034-6	GB/T 1993
旋转电动机结构型式、安装型式及接线盒位置的分类（IM代码） Rotating electrical machines-Part7：Classification of types of construction，mounting arrangements and terminal box position（IM Code）	IEC 60034-7	GB/T 997
旋转电动机旋转电机线端标志与旋转方向 Rotating electrical machines-Part8：Terminal markings and direction of rotation	IEC 60034-8	GB/T 1971
旋转电机噪声测定方法及限值 第9部分：噪声限值 Rotating electrical machines-Part9：Noise limits	IEC 60034-9	GB 10069.3
轴中心高为56mm及以上电机的机械振动 振动的测量、评定及限值 Rotating electrical machines-Part14：Mechanical vibration of certain machines with shaft heights 56 mm and higher-Measurement，evaluation and limits of vibration severity	IEC 60034-14	GB 10068
旋转电机尺寸和输出功率等级 第1部分：机座号56~400和凸缘号55~1080 Rotating electrical machines-Part1：Frame numbers 56 to 400 and flange numbers 55 to 1080	IEC 60072-1	GB/T 4772.1
中小型旋转电机安全要求 Safety requirments of samll and medium size rotating electrical machines		GB 14711
旋转电动机温升 Electrical insulation-Thermal classification	IEC 60085	GB/T 11021
电工电子产品自然环境条件 温度和湿度 Classification of environmental conditions Part 2-1：Environmental conditions appearing in nature-Temperature and humidity	IEC 60072-2-1	GB/T 4797.1
标准电压 Standard voltages	IEC 60038	GB/T 156

噪声

下表中给出的电机噪声数值指的是电动机在额定电压、50Hz 频率下空载运行时的噪声，允许误差为+3dB。

功率 Output (kW)	同步转速 Synchronous Speed (r/min)		
	L _{WA} (dB (A))		
	2极 (2 poles)	4极 (4 poles)	6极 (6 poles)
0.55	-	58	54
0.75	67	58	57
1.1	67	61	57
1.5	72	61	61
2.2	72	64	65
3	76	64	69
4	77	65	69
5.5	80	71	69
7.5	80	71	73
11	86	75	73
15	86	75	73
18.5	86	76	76
22	89	76	76
30	92	79	76
37	92	81	78
45	92	81	80
55	93	83	80
75	94	86	85
90	94	86	85
110	96	93	85
132	96	93	85
160	98	94	92
200	98	94	92
220	103	101	92
250	103	101	N/A
280	103	101	N/A
315	103	101	N/A

L_w - 声功率级

L_w -sound power level

振动

所有电机转子都使用半键按照A级（标准）振动等级进行动态平衡。

电机在空载时测得振动速度有效值不超过下表中的A级所列值。

Vibration

YJM、YJM2、YJD2 rotors are dynamically balanced to severity grade A using a half key.

Table below contains the effective vibration values for unloaded motors.

振动等级 Vibration Grade	机座号 Frame Size (mm)	H56~H132	H160~H280	H315~H355
A	安装方式 Mounting	Vibration Velocity 振动速度 (mm/s)	Vibration Velocity 振动速度 (mm/s)	Vibration Velocity 振动速度 (mm/s)
	自由悬置 Free Suspension	1.6	2.2	2.8
	刚性安装 Rigid Mounting	1.3	1.8	2.3

电气特性

可靠的质量和优越的电机性能

为了确保良好的绝缘性能，增加电机使用寿命。标准电机采用F级绝缘系统，并按B级考核（80K）。

电压、频率

标准电机的供电电压和频率符合IEC60034-1标准中规定的A类电压和频率误差要求，允许电压偏差为±5%，频率偏差为±2%。

额定输出

额定输出是指，符合IEC60034-1标准的要求，冷却介质温度（CT）为40℃，设备安装地点的海拔高度在1000m以下的情况，连续工作可以允许的输出。根据IEC60034标准的要求，该系列电动机在额定电压和频率下能承受1.5倍额定电流，持续时间2分钟。

环境

- 适合IP55防护等级的安装
- 低于或等于海拔1000米
- 环境温度在-15℃~40℃
- 相对湿度

温度 Temperature	相对湿度 Relative Humidity
-15℃≤T≤20℃	100%
20℃ < T≤30℃	95%
30℃ < T≤40℃	55%

注：其他温度范围的相对湿度，请咨询绿天电机。

Electrical Features

Reliable Quality and Excellent Performance

To ensure reliable long life and good insulation performance, the IEC windings are made of materials with class F and temperature rise limited class B (80k).

Voltage and Frequency

IEC standard motor will operate on mains power supplies in accordance with IEC60034-1 Category A (combination of voltage deviation 5% and frequency deviation 2%) for voltage and frequency fluctuations.

Rated Output

IEC rated output power refers to continuous duty (S1) operation in accordance with IEC 60034-1 when operated at 40℃ ambient temperature and at site altitudes of 1000mm or less. IEC current overload is in accordance with IEC 60034-1(1.5times for 2minutes) when operated as per the rated name plate data.

Operating Environment

- Suitable for IP55 installations
- Altitude not exceeding 1000m
- Ambient temperature: -15℃ ~ 40℃
- Relative humidity

如果环境条件与上面提到的不同，请参考下面的表格

	< 30℃	30~40℃	45℃	50℃	55℃	60℃
1000m	1.07	1.00	0.96	0.92	0.87	0.82
1500m	1.04	0.97	0.93	0.89	0.84	0.79
2000m	1.00	0.94	0.90	0.86	0.82	0.77
2500m	0.96	0.90	0.86	0.83	0.78	0.74
3000m	0.92	0.86	0.82	0.79	0.75	0.70
3500m	0.88	0.82	0.79	0.75	0.71	0.67
4000m	0.82	0.77	0.74	0.71	0.67	0.63

防潮加热带（空间加热器）的电气参数

Space Heater Electrical Data

机座号 Frame Size	80~90	100~112	132~160	180~200	225~280	315	355
功率 Power (W)	20	30	40	50	60	80	110
电压 Voltage (V)	220						

GB 二级能效

IE3

性能数据(50Hz)

Technical Data(50Hz)

型号 Model	功率 Rated Output		转速 Rotate Speed r.p.m	满载 Full Load			效率 Efficiency %	堵转转矩 Start Torque	堵转电流 Start Current	最大转矩 Max. Torque	转动惯量 Moment of Inertia kgm ²
	kW	HP		电流 Current		功率因数 Power Factor Cosφ					
				380V A	400V A						
2 极 (2 poles)											
YJM-801-2	0.75	1	2845	1.70	1.62	0.83	80.7	2.2	6.8	2.3	0.0010
YJM-802-2	1.1	1.5	2840	2.43	2.31	0.83	82.7	2.2	7.2	2.3	0.0013
YJM-90S-2	1.5	2	2840	3.22	3.06	0.84	84.2	2.2	7.5	2.3	0.0020
YJM-90L-2	2.2	3	2825	4.58	4.35	0.85	85.9	2.2	7.6	2.3	0.0026
YJM-100L-2	3	4	2880	6.02	5.71	0.87	87.1	2.2	8.1	2.3	0.0042
YJM-112M-2	4	5.5	2880	7.84	7.45	0.88	88.1	2.2	8.3	2.3	0.0058
YJM-132S1-2	5.5	7.5	2915	10.6	10.1	0.88	89.2	2.2	8.3	2.3	0.0128
YJM-132S2-2	7.5	10	2915	14.2	13.5	0.89	90.1	2.2	7.7	2.3	0.0151
YJM-160M1-2	11	15	2940	20.6	19.6	0.89	91.2	2.2	7.5	2.3	0.0489
YJM-160M2-2	15	20	2935	27.9	26.5	0.89	91.9	2.2	7.5	2.3	0.0559
YJM-160L-2	18.5	25	2940	34.2	32.5	0.89	92.4	2.2	7.5	2.3	0.0648
YJM-180M-2	22	30	2950	40.5	38.5	0.89	92.7	2.2	7.5	2.3	0.0808
YJM-200L1-2	30	40	2955	54.9	52.1	0.89	93.3	2.0	7.5	2.3	0.163
YJM-200L2-2	37	50	2955	67.4	64.0	0.89	93.7	2.0	7.5	2.3	0.172
YJM-225M-2	45	60	2970	81.7	77.6	0.89	94.0	2.0	7.5	2.3	0.302
YJM-250M-2	55	75	2970	99.6	94.6	0.89	94.3	2.0	7.5	2.3	0.420
YJM-280S-2	75	100	2975	135.2	128.4	0.89	94.7	2.0	7.5	2.3	0.986
YJM-280M-2	90	125	2975	161.7	153.6	0.89	95.0	2.0	7.5	2.3	1.04
YJM-315S-2	110	150	2975	195.1	185.3	0.90	95.2	1.8	7.1	2.2	1.33
YJM-315M-2	132	180	2978	233.6	221.9	0.90	95.4	1.8	7.1	2.2	1.50
YJM-315L1-2	160	220	2978	279.4	265.5	0.91	95.6	1.8	7.1	2.2	1.67
YJM-315L2-2	200	270	2978	348.6	331.1	0.91	95.8	1.8	7.1	2.2	1.88
YJM-355M-2	250	340	2978	435.7	413.9	0.91	95.8	1.6	7.1	2.2	4.02
YJM-355L-2	315	420	2978	549.0	521.5	0.91	95.8	1.6	7.1	2.2	4.86
4极 (4 poles)											
YJM-802-4	0.75	1	1400	1.84	1.75	0.75	82.5	2.2	6.6	2.2	0.0020
YJM-90S-4	1.1	1.5	1390	2.65	2.52	0.75	84.1	2.3	6.8	2.3	0.0030
YJM-90L-4	1.5	2	1390	3.56	3.38	0.75	85.3	2.3	7.0	2.3	0.0038
YJM-100L1-4	2.2	3	1425	4.88	4.64	0.79	86.7	2.3	7.4	2.3	0.0077
YJM-100L2-4	3	4	1430	6.50	6.17	0.80	87.7	2.3	7.4	2.3	0.0093
YJM-112M-4	4	5.5	1440	8.57	8.15	0.80	88.6	2.3	7.5	2.3	0.0128
YJM-132S-4	5.5	7.5	1450	11.4	10.8	0.82	89.6	2.3	7.8	2.3	0.0285
YJM-132M-4	7.5	10	1450	15.2	14.4	0.83	90.4	2.3	7.4	2.3	0.0366
YJM-160M-4	11	15	1465	21.8	20.7	0.84	91.4	2.2	7.0	2.3	0.0771
YJM-160L-4	15	20	1460	29.1	27.7	0.85	92.1	2.2	7.0	2.3	0.101
YJM-180M-4	18.5	25	1470	35.3	33.5	0.86	92.6	2.2	7.5	2.3	0.152
YJM-180L-4	22	30	1470	41.8	39.7	0.86	93.0	2.2	7.8	2.3	0.187
YJM-200L-4	30	40	1475	56.6	53.8	0.86	93.6	2.2	7.2	2.3	0.285
YJM-225S-4	37	50	1480	69.6	66.1	0.86	93.9	2.0	7.4	2.3	0.473
YJM-225M-4	45	60	1480	84.4	80.2	0.86	94.2	2.2	7.4	2.3	0.554
YJM-250M-4	55	75	1480	102.7	97.6	0.86	94.6	2.0	7.4	2.3	0.751
YJM-280S-4	75	100	1485	137.9	131.0	0.87	95.0	2.2	7.2	2.3	1.92
YJM-280M-4	90	125	1485	165.1	156.8	0.87	95.2	2.2	7.2	2.3	2.32
YJM-315S-4	110	150	1489	199.1	189.1	0.88	95.4	2.1	6.9	2.2	2.34
YJM-315M-4	132	180	1488	238.4	226.5	0.88	95.6	2.1	6.9	2.2	2.58
YJM-315L1-4	160	220	1488	285.1	270.9	0.89	95.8	2.1	6.9	2.2	2.96
YJM-315L2-4	200	270	1487	355.7	337.9	0.89	96.0	2.0	6.9	2.2	3.46
YJM-355M-4	250	340	1490	439.6	417.7	0.90	96.0	2.1	6.9	2.2	6.60
YJM-355L-4	315	420	1490	553.9	526.2	0.90	96.0	2.1	6.9	2.2	7.55

GB 二级能效

IE3

性能数据(50Hz)

Technical Data(50Hz)

型号 Model	功率 Rated Output		转速 Rotate Speed r.p.m	满载 Full Load			效率 Efficiency %	堵转转矩 Start Torque	堵转电流 Start Current	最大转矩 Max. Torque	转动惯量 Moment of Inertia kgm ²
	kW	HP		电流 Current 380V A	400V A	功率因数 Power Factor Cosφ		额定转矩	额定电流	额定转矩	
							FL 100%	Rated Torque	Rated Current	Rated Torque	
6 极 (6 poles)											
YJM-90S-6	0.75	1	920	2.01	1.91	0.72	78.9	2.0	5.9	2.1	0.0038
YJM-90L-6	1.1	1.5	920	2.83	2.69	0.73	81.0	2.0	5.9	2.1	0.0053
YJM-100L-6	1.5	2	945	3.73	3.55	0.74	82.5	2.0	6.0	2.1	0.0107
YJM-112M-6	2.2	3	950	5.36	5.09	0.74	84.3	2.0	6.5	2.1	0.0151
YJM-132S-6	3	4	960	7.20	6.84	0.74	85.6	2.1	6.8	2.1	0.0318
YJM-132M ₁ -6	4	5.5	965	9.46	8.99	0.74	86.8	2.1	6.9	2.1	0.0394
YJM-132M ₂ -6	5.5	7.5	965	12.7	12.0	0.75	88.0	2.1	7.1	2.1	0.0494
YJM-160M-6	7.5	10	965	16.4	15.6	0.78	89.1	2.1	6.7	2.1	0.0964
YJM-160L-6	11	15	965	23.7	22.5	0.78	90.3	2.0	6.9	2.1	0.127
YJM-180L-6	15	20	975	30.9	29.3	0.81	91.2	2.0	7.2	2.1	0.201
YJM-200L ₁ -6	18.5	25	980	37.8	36.0	0.81	91.7	2.1	7.2	2.1	0.325
YJM-200L ₂ -6	22	30	980	44.2	42.0	0.82	92.2	2.1	7.5	2.1	0.371
YJM-225M-6	30	40	985	60.6	57.5	0.81	92.9	2.1	7.1	2.1	0.533
YJM-250M-6	37	50	990	71.7	68.1	0.84	93.3	2.1	7.0	2.1	0.877
YJM-280S-6	45	60	990	84.8	80.6	0.86	93.7	2.1	7.0	2.0	1.85
YJM-280M-6	55	75	990	103.3	98.1	0.86	94.1	2.1	7.0	2.0	2.12
YJM-315S-6	75	100	989	141.7	134.6	0.85	94.6	2.0	7.0	2.0	2.61
YJM-315M-6	90	125	988	171.5	163.0	0.84	94.9	2.0	7.0	2.0	3.04
YJM-315L ₁ -6	110	150	989	206.8	196.4	0.85	95.1	2.0	6.7	2.0	3.71
YJM-315L ₂ -6	132	180	988	244.5	232.2	0.86	95.4	2.0	6.7	2.0	4.24
YJM-355M ₁ -6	160	220	991	292.3	277.7	0.87	95.6	1.9	6.7	2.0	7.44
YJM-355M ₂ -6	200	270	990	364.6	346.4	0.87	95.8	1.9	6.7	2.0	9.10
YJM-355L-6	250	340	990	455.7	433.0	0.87	95.8	1.9	6.7	2.0	10.8

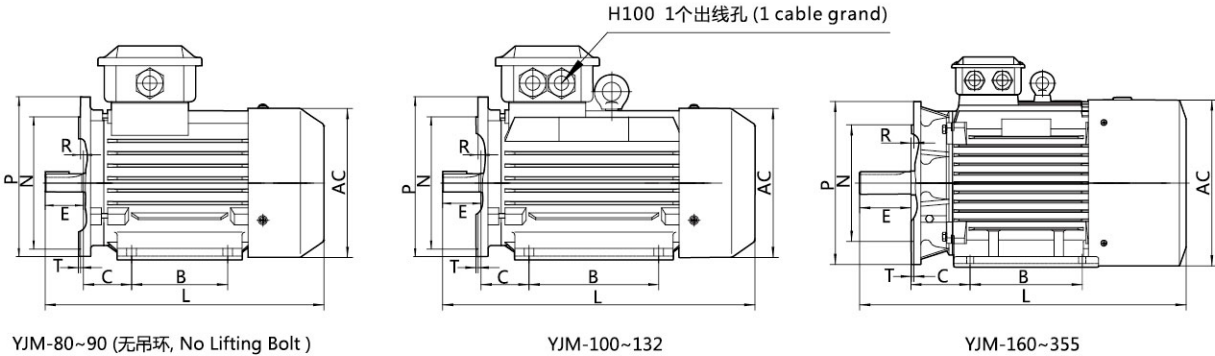
图为B35安装方式图例，机座带底脚，端盖上有凸缘（法兰）。

B3安装方式，机座带底脚，端盖无凸缘，不含P、N、T、M、S尺寸。

B5安装方式，机座无底脚，端盖上有凸缘，不含A、AB、A/2、K、B、C尺寸。

B34安装方式，机座带底脚，端盖上有凸缘，但与B35安装方式的尺寸不同，详见B34安装尺寸列表，

B14安装方式，机座无底脚，端盖上有凸缘，详见B34安装尺寸列表，但不含A、AB、K、B、C尺寸。



外形及安装尺寸(B35)

Outline & Installation Dimensions (B35)

机座号 Frame Size	Flange No.	极数 Poles	安装尺寸 Mounting Dimensions & Tolerance(mm)																				
			A	AB	AC	AD	B	C	D	E	F	G	H	HD	HF	K	L	M	N	P	R	S	T
80	FF165	2~6	125	165	175	155	100	50±1.5	19	40±0.310	6	15.5	80	235	185	10	300	165	130	200	0±1.5	12	3.5
90S	FF165	2~6	140	180	195	160	100	56±1.5	24	50±0.310	8	20	90	255	195	10	350	165	130	200	0±1.5	12	3.5
90L	FF165	2~8	140	180	195	160	125	56±1.5	24	50±0.310	8	20	90	255	195	10	380	165	130	200	0±1.5	12	3.5
100L	FF215	2~8	160	205	215	180	140	63±2.0	28	60±0.370	8	24	100	270	245	12	385	215	180	250	0±2.0	15	4
112M	FF215	2~8	190	230	240	190	140	70±2.0	28	60±0.370	8	24	112	300	265	12	400	215	180	250	0±2.0	15	4
132S	FF265	2~8	216	270	275	210	140	89±2.0	38	80±0.370	10	33	132	345	315	12	470	265	230	300	0±2.0	15	4
132M	FF265	4~8	216	270	275	210	178	89±2.0	38	80±0.370	10	33	132	345	315	12	510	265	230	300	0±2.0	15	4
160M	FF300	2~8	254	320	330	255	210	108±3.0	42	110±0.430	12	37	160	420	385	15	650	300	250	350	0±3.0	19	5
160L	FF300	2~8	254	320	330	255	254	108±3.0	42	110±0.430	12	37	160	420	385	15	680	300	250	350	0±3.0	19	5
180M	FF300	2~4	279	355	380	280	241	121±3.0	48	110±0.430	14	42.5	180	455	430	15	712	300	250	350	0±3.0	19	5
180L	FF300	4~8	279	355	380	280	279	121±3.0	48	110±0.430	14	42.5	180	455	430	15	760	300	250	350	0±3.0	19	5
200L	FF350	2~8	318	395	420	305	305	133±3.0	55	110±0.430	16	49	200	505	480	19	770	350	300±0.016	400	0±3.0	19	5
225S	FF400	4,8	356	435	470	335	286	149±4.0	60	140±0.500	18	53	225	560	535	19	815	400	350±0.018	450	0±4.0	19	5
225M	FF400	2	356	435	470	335	311	149±4.0	55	110±0.430	16	49	225	560	535	19	820	400	350±0.018	450	0±4.0	19	5
225M	FF400	4~8	356	435	470	335	311	149±4.0	60	140±0.500	18	53	225	560	535	19	845	400	350±0.018	450	0±4.0	19	5
250M	FF500	2	406	490	510	370	349	168±4.0	60	140±0.500	18	53	250	615	595	24	910	500	450±0.018	550	0±4.0	19	5
250M	FF500	4~8	406	490	510	370	349	168±4.0	65	140±0.500	18	58	250	615	595	24	910	500	450±0.020	550	0±4.0	19	5
280S	FF500	2	457	550	590	410	368	190±4.0	65	140±0.500	18	58	280	700	650	24	1000	500	450±0.020	550	0±4.0	19	5
280S	FF500	4~8	457	550	590	410	368	190±4.0	75	140±0.500	20	67.5	280	700	650	24	1000	500	450±0.020	550	0±4.0	19	5
280M	FF500	2	457	550	590	410	419	190±4.0	65	140±0.500	18	58	280	700	650	24	1050	500	450±0.020	550	0±4.0	19	5
280M	FF500	4~8	457	550	590	410	419	190±4.0	75	140±0.500	20	67.5	280	700	650	24	1050	500	450±0.020	550	0±4.0	19	5
315S	FF600	2	508	635	645	530	406	216±4.0	65	140±0.500	18	58	315	845	900	28	1178	600	550±0.022	660	0±4.0	24	6
315S	FF600	4~8	508	635	645	530	406	216±4.0	80	170±0.500	22	71	315	845	900	28	1270	600	550±0.022	660	0±4.0	24	6
315M	FF600	2	508	635	645	530	457	216±4.0	65	140±0.500	18	58	315	845	900	28	1238	600	550±0.022	660	0±4.0	24	6
315M	FF600	4~8	508	635	645	530	457	216±4.0	80	170±0.500	22	71	315	845	900	28	1288	600	550±0.022	660	0±4.0	24	6
315L	FF600	2	508	635	645	530	508	216±4.0	65	140±0.500	18	58	315	845	900	28	1190	600	550±0.022	660	0±4.0	24	6
315L	FF600	4~8	508	635	645	530	508	216±4.0	80	170±0.500	22	71	315	845	900	28	1300	600	550±0.022	660	0±4.0	24	6
355M	FF740	2	610	730	710	655	560	254±4.0	75	140±0.500	20	67.5	355	1010	1010	28	1500	740	680±0.025	800	0±4.0	24	6
355M	FF740	4~8	610	730	710	655	560	254±4.0	95	170±0.570	25	85	355	1010	1010	28	1530	740	680±0.025	800	0±4.0	24	6
355L	FF740	2	610	730	710	655	630	254±4.0	75	140±0.500	20	67.5	355	1010	1010	28	1500	740	680±0.025	800	0±4.0	24	6
355L	FF740	4~8	610	730	710	655	630	254±4.0	95	170±0.570	25	86	355	1010	1010	28	1530	740	680±0.025	800	0±4.0	24	6
400L	FF940	4~8	686	840	826	-	710	280±4.0	100	210±0.570	28	90	400	1160	-	35	1910	940	880±0.025	1000	0±4.0	28	6

GB 二级能效

IE3

Figure is B35 mounting.

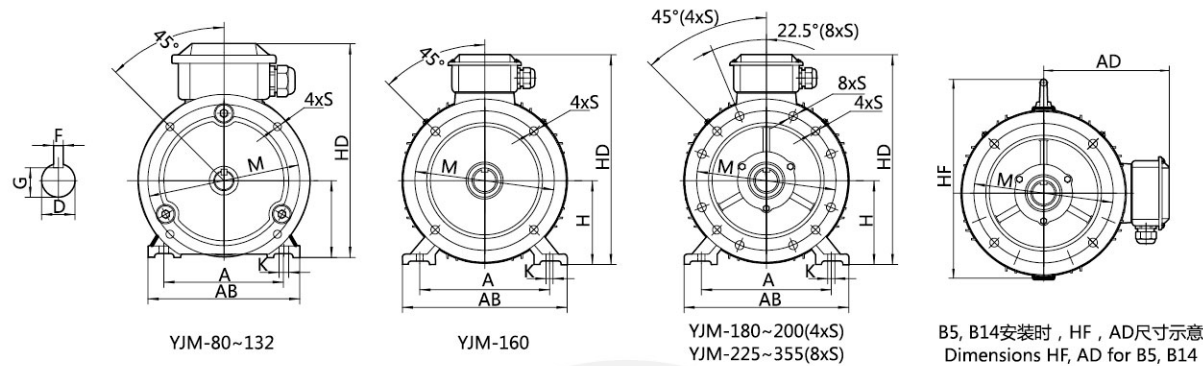
B35 is with feet and flange.

B3 is with feet and without flange. Not including dimensions of P、N、T、M、S.

B5 is without feet and with flange. Not including dimensions of A、AB、A/2、K、B、C.

B34 is with feet and flange. But the mounting dimensions are different to B35. Details see B34 mounting dimensions table.

B14 is without feet and with flange. Details see B14 mounting dimensions table. But not including dimensions of A、AB、K、B、C.



外形及安装尺寸(B34)

Outline & Installation Dimensions(B34)

机座号 Frame Size	Flange No.	极数 Poles	安装尺寸 Mounting Dimensions & Tolerance(mm)																			
			A	AB	AC	AD	B	C	D	E	F	G	H	HD	K	L	M	N	P	R	S	T
80	FF100	2~6	125	165	175	155	100	50±1.5	19	40±0.310	6	15.5	80	235	10	300	100	80	120	0±1.5	M6	3.0
90S	FF115	2~6	140	180	195	160	100	56±1.5	24	50±0.310	8	20	90	255	10	355	115	95	140	0±1.5	M8	3.0
90L	FF115	2~8	140	180	195	160	125	56±1.5	24	50±0.310	8	20	90	255	10	385	115	95	140	0±1.5	M8	3.0
100L	FF130	2~8	160	205	215	180	140	63±2.0	28	60±0.370	8	24	100	270	12	430	130	110	160	0±1.5	M8	3.5
112M	FF130	2~8	190	230	240	190	140	70±2.0	28	60±0.370	8	24	112	300	12	465	130	110	160	0±1.5	M8	3.5
132S	FF165	2~8	216	270	275	210	140	89±2.0	38	80±0.370	10	33	132	345	12	510	165	130	200	0±1.5	M10	3.5
132M	FF165	4~8	216	270	275	210	178	89±2.0	38	80±0.370	10	33	132	345	12	550	165	130	200	0±1.5	M10	3.5

**R尺寸为凸缘配合面至轴伸肩的距离。

**R is the distance from the matching surface of flange to the shoulder of shaft extension.

公差

Tolerance(mm)

D	F	G & H	K	N	S	T
19≤D≤28	+0.009 -0.004	0 -0.030	0 -0.10	+0.360 0	+0.012 -0.007	0 -0.100
38≤D≤48	+0.018 +0.002	0 -0.036	0 -0.20	+0.430 0	+0.013 -0.009	0 -0.120
55≤D≤80	+0.030 +0.011	0 -0.043	0 -0.5	+0.520 0	+0.014 -0.011	0 -0.150
95≤D≤100	+0.035 +0.013	0 -0.052	0 -1.0	+0.620 0	+0.016 -0.013	

GB 三级能效

IE2

性能数据(50Hz)

Technical Data(50Hz)

型号 Model	功率		满载 Full Load				效率 Efficiency %	堵转转矩 Start Torque	堵转电流 Start Current	最大转矩 Max. Torque	转动惯量 Moment of Inertia	重量 WT B3 Kg
	Rated Output		转速 Rotate Speed r.p.m	电流 Current 380V A	400V A	功率因数 Power Factor Cosφ						
	kW	HP					FL 100%	额定转矩 Rated Torque	额定电流 Rated Current	额定转矩 Rated Torque		
2 极 (2 poles)												
YJM2-80i-2	0.75	1	2845	1.77	1.69	0.83	77.4	2.2	6.8	2.3	0.0010	18
YJM2-80z-2	1.1	1.5	2840	2.53	2.40	0.83	79.6	2.2	7.2	2.3	0.0013	20
YJM2-90S-2	1.5	2	2840	3.34	3.17	0.84	81.3	2.2	7.5	2.3	0.0020	25
YJM2-90L-2	2.2	3	2825	4.73	4.49	0.85	83.2	2.2	7.6	2.3	0.0026	29
YJM2-100L-2	3	4	2880	6.19	5.88	0.87	84.6	2.2	8.1	2.3	0.0042	38
YJM2-112M-2	4	5.5	2880	8.05	7.65	0.88	85.8	2.2	8.3	2.3	0.0058	50
YJM2-132S1-2	5.5	7.5	2915	10.9	10.4	0.88	87.0	2.2	8.3	2.3	0.0128	69
YJM2-132S2-2	7.5	10	2915	14.5	13.8	0.89	88.1	2.2	7.7	2.3	0.0151	75
YJM2-160M1-2	11	15	2940	21.0	20.0	0.89	89.4	2.2	7.5	2.3	0.0489	100
YJM2-160M2-2	15	20	2935	28.4	26.9	0.89	90.3	2.2	7.5	2.3	0.0559	128
YJM2-160L-2	18.5	25	2940	34.7	33.0	0.89	90.9	2.2	7.5	2.3	0.0648	142
YJM2-180M-2	22	30	2950	41.1	39.1	0.89	91.3	2.2	7.5	2.3	0.0808	176
YJM2-200L1-2	30	40	2955	55.7	52.9	0.89	92.0	2.0	7.5	2.3	0.163	250
YJM2-200L2-2	37	50	2955	68.3	64.9	0.89	92.5	2.0	7.5	2.3	0.172	258
YJM2-225M-2	45	60	2970	82.7	78.6	0.89	92.9	2.0	7.5	2.3	0.302	336
YJM2-250M-2	55	75	2970	100.7	95.7	0.89	93.2	2.0	7.5	2.3	0.420	434
YJM2-280S-2	75	100	2975	136.5	129.7	0.89	93.8	2.0	7.5	2.3	0.986	525
YJM2-280M-2	90	125	2975	163.3	155.1	0.89	94.1	2.0	7.5	2.3	1.04	560
YJM2-280M-2K	110	150	2980	196.9	187.1	0.90	94.3	1.8	7.1	2.2	1.30	755
YJM2-315S-2	110	150	2975	196.9	187.1	0.90	94.3	1.8	7.1	2.2	1.33	980
YJM2-315M-2	132	180	2978	235.6	223.8	0.90	94.6	1.8	7.1	2.2	1.50	1080
YJM2-315L1-2	160	220	2978	281.8	267.7	0.91	94.8	1.8	7.1	2.2	1.67	1160
YJM2-315L2-2	200	270	2978	351.5	333.9	0.91	95.0	1.8	7.1	2.2	1.88	1190
YJM2-355M-2	250	340	2978	439.4	417.4	0.91	95.0	1.6	7.1	2.2	4.02	1810
YJM2-355L-2	315	420	2978	553.6	525.9	0.91	95.0	1.6	7.1	2.2	4.86	1950
4极 (4 poles)												
YJM2-80z-4	0.75	1	1400	1.91	1.81	0.75	79.6	2.2	6.6	2.2	0.0020	21
YJM2-90S-4	1.1	1.5	1390	2.74	2.60	0.75	81.4	2.3	6.8	2.3	0.0030	26
YJM2-90L-4	1.5	2	1390	3.67	3.49	0.75	82.8	2.3	7.0	2.3	0.0038	31
YJM2-100L1-4	2.2	3	1425	5.02	4.77	0.79	84.3	2.3	7.4	2.3	0.0077	40
YJM2-100L2-4	3	4	1430	6.66	6.33	0.80	85.5	2.3	7.4	2.3	0.0093	44
YJM2-112M-4	4	5.5	1440	8.77	8.33	0.80	86.6	2.3	7.5	2.3	0.0128	58
YJM2-132S-4	5.5	7.5	1450	11.6	11.0	0.82	87.7	2.3	7.8	2.3	0.0285	70
YJM2-132M-4	7.5	10	1450	15.5	14.7	0.83	88.7	2.3	7.4	2.3	0.0366	90
YJM2-132M-4K	9.2	12.5	1460	18.9	17.9	0.83	89.2	2.3	7.4	2.3	0.0394	94
YJM2-160M-4	11	15	1465	22.2	21.0	0.84	89.8	2.2	7.0	2.3	0.0771	115
YJM2-160L-4	15	20	1460	29.6	28.1	0.85	90.6	2.2	7.0	2.3	0.101	120
YJM2-180M-4	18.5	25	1470	35.8	34.0	0.86	91.2	2.2	7.5	2.3	0.152	179
YJM2-180L-4	22	30	1470	42.4	40.3	0.86	91.6	2.2	7.8	2.3	0.187	194
YJM2-200L-4	30	40	1475	57.4	54.6	0.86	92.3	2.2	7.2	2.3	0.285	255
YJM2-225S-4	37	50	1480	70.5	67.0	0.86	92.7	2.0	7.4	2.3	0.473	305
YJM2-225M-4	45	60	1480	85.4	81.1	0.86	93.1	2.2	7.4	2.3	0.554	342
YJM2-250M-4	55	75	1480	103.9	98.7	0.86	93.5	2.0	7.4	2.3	0.751	428
YJM2-250M-4K	75	100	1485	139.3	132.4	0.87	94.0	2.2	7.4	2.3	0.824	515
YJM2-280S-4	75	100	1485	139.3	132.4	0.87	94.0	2.2	7.2	2.3	1.92	570
YJM2-280M-4	90	125	1485	166.9	158.5	0.87	94.2	2.2	7.2	2.3	2.32	655
YJM2-280M-4K	110	150	1486	201.0	190.9	0.88	94.5	2.2	7.2	2.3	2.47	780
YJM2-315S-4	110	150	1489	201.0	190.9	0.88	94.5	2.1	6.9	2.2	2.34	1000
YJM2-315M-4	132	180	1488	240.7	228.6	0.88	94.7	2.1	6.9	2.2	2.58	1100
YJM2-315L1-4	160	220	1488	287.8	273.4	0.89	94.9	2.1	6.9	2.2	2.96	1160
YJM2-315L2-4	200	270	1487	359.0	341.1	0.89	95.1	2.0	6.9	2.2	3.46	1270
YJM2-355M-4	250	340	1490	443.8	421.6	0.90	95.1	2.1	6.9	2.2	6.60	1830
YJM2-355L-4	315	420	1490	559.2	531.2	0.90	95.1	2.1	6.9	2.2	7.55	1950

GB 三级能效

IE2

性能数据(50Hz)

Technical Data(50Hz)

型号 Model	功率 Rated Output		满载 Full Load				效率 Efficiency %	堵转转矩 Start Torque	堵转电流 Start Current	最大转矩 Max. Torque	转动惯量 Moment of Inertia	重量 WT B3 Kg
	kW	HP	转速 Rotate Speed r.p.m	电流 Current		功率因数 Power Factor Cosφ						
				380V A	400V A		FL 100%	额定转矩 Rated Torque	额定电流 Rated Current	额定转矩 Rated Torque		
6极 (6 poles)												
YJM2-90S-6	0.75	1	920	2.09	1.98	0.72	75.9	2.0	5.9	2.1	0.0038	23
YJM2-90L-6	1.1	1.5	920	2.93	2.78	0.73	78.1	2.0	5.9	2.1	0.0053	29.5
YJM2-100L-6	1.5	2	945	3.86	3.67	0.74	79.8	2.0	6.0	2.1	0.0107	37
YJM2-112M-6	2.2	3	950	5.52	5.25	0.74	81.8	2.0	6.5	2.1	0.0151	52
YJM2-132S-6	3	4	960	7.39	7.02	0.74	83.3	2.1	6.8	2.1	0.0318	67
YJM2-132M1-6	4	5.5	965	9.71	9.22	0.74	84.6	2.1	6.9	2.1	0.0394	78
YJM2-132M2-6	5.5	7.5	965	13.0	12.3	0.75	86.0	2.1	7.1	2.1	0.0494	87
YJM2-160M-6	7.5	10	965	16.8	15.9	0.78	87.2	2.1	6.7	2.1	0.0964	118
YJM2-160L-6	11	15	965	24.2	22.9	0.78	88.7	2.0	6.9	2.1	0.127	140
YJM2-180L-6	15	20	975	31.4	29.8	0.81	89.7	2.0	7.2	2.1	0.201	185
YJM2-200L1-6	18.5	25	980	38.4	36.5	0.81	90.4	2.1	7.2	2.1	0.325	242
YJM2-200L2-6	22	30	980	44.8	42.6	0.82	90.9	2.1	7.5	2.1	0.371	258
YJM2-225M-6	30	40	985	61.4	58.3	0.81	91.7	2.1	7.1	2.1	0.533	303
YJM2-250M-6	37	50	990	72.6	69.0	0.84	92.2	2.1	7.0	2.1	0.877	395
YJM2-280S-6	45	60	990	85.8	81.5	0.86	92.7	2.1	7.0	2.0	1.85	493
YJM2-280M-6	55	75	990	104.4	99.2	0.86	93.1	2.1	7.0	2.0	2.12	570
YJM2-315S-6	75	100	989	143.1	135.9	0.85	93.7	2.0	7.0	2.0	2.61	990
YJM2-315M-6	90	125	988	173.2	164.5	0.84	94.0	2.0	7.0	2.0	3.04	1010
YJM2-315L1-6	110	150	989	208.5	198.1	0.85	94.3	2.0	6.7	2.0	3.71	1070
YJM2-315L2-6	132	180	988	246.5	234.2	0.86	94.6	2.0	6.7	2.0	4.24	1210
YJM2-355M1-6	160	220	991	294.8	280.0	0.87	94.8	1.9	6.7	2.0	7.44	1650
YJM2-355M2-6	200	270	990	367.7	349.3	0.87	95.0	1.9	6.7	2.0	9.10	1750
YJM2-355L-6	250	340	990	459.6	436.6	0.87	95.0	1.9	6.7	2.0	10.8	1850

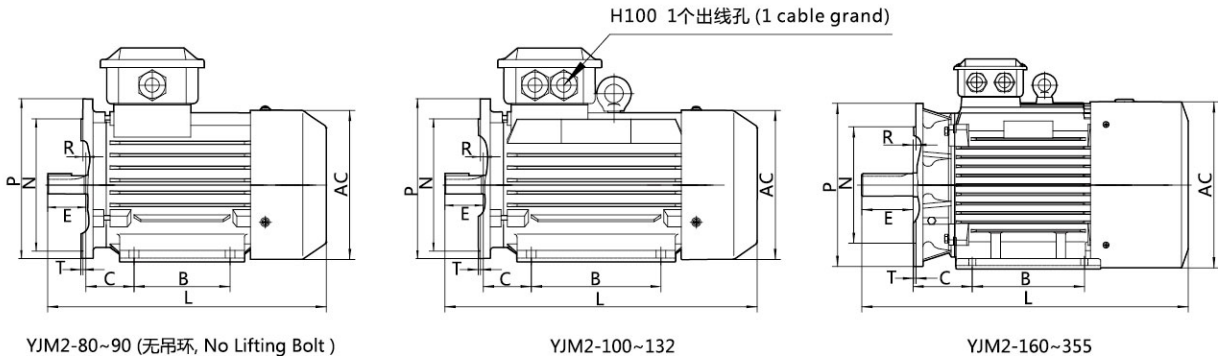
图为B35安装方式图例，机座带底脚，端盖上有凸缘（法兰）。

B3安装方式，机座带底脚，端盖无凸缘，不含P、N、T、M、S尺寸。

B5安装方式，机座无底脚，端盖上有凸缘，不含A、AB、A/2、K、B、C尺寸。

B34安装方式，机座带底脚，端盖上有凸缘，但与B35安装方式的尺寸不同，详见B34安装尺寸列表，

B14安装方式，机座无底脚，端盖上有凸缘，详见B34安装尺寸列表，但不含A、AB、K、B、C尺寸。



外形及安装尺寸(B35)

Outline & Installation Dimensions (B35)

机座号 Frame Size	Flange No.	极数 Poles	安装尺寸 Mounting Dimensions & Tolerance(mm)																					
			A	AB	AC	AD	B	C	D	E	F	G	H	HD	HF	K	L	M	N	P	R	S	T	
80	FF165	2~6	125	165	175	155	100	50±1.5	19	40±0.310	6	15.5	80	235	185	10	300	165	130	200	0±1.5	12	3.5	
90S	FF165	2~6	140	180	180	195	160	100	56±1.5	24	50±0.310	8	20	90	255	195	10	350	165	130	200	0±1.5	12	3.5
90L	FF165	2~8	140	180	195	160	125	56±1.5	24	50±0.310	8	20	90	255	195	10	380	165	130	200	0±1.5	12	3.5	
100L	FF215	2~8	160	205	215	180	140	63±2.0	28	60±0.370	8	24	100	270	245	12	385	215	180	250	0±2.0	15	4	
112M	FF215	2~8	190	230	240	190	140	70±2.0	28	60±0.370	8	24	112	300	265	12	400	215	180	250	0±2.0	15	4	
132S	FF265	2~8	216	270	275	210	140	89±2.0	38	80±0.370	10	33	132	345	315	12	470	265	230	300	0±2.0	15	4	
132M	FF265	4~8	216	270	275	210	178	89±2.0	38	80±0.370	10	33	132	345	315	12	510	265	230	300	0±2.0	15	4	
160M	FF300	2~8	254	320	330	255	210	108±3.0	42	110±0.430	12	37	160	420	385	15	650	300	250	350	0±3.0	19	5	
160L	FF300	2~8	254	320	330	255	254	108±3.0	42	110±0.430	12	37	160	420	385	15	680	300	250	350	0±3.0	19	5	
180M	FF300	2~4	279	355	380	280	241	121±3.0	48	110±0.430	14	42.5	180	455	430	15	712	300	250	350	0±3.0	19	5	
180L	FF300	4~8	279	355	380	280	279	121±3.0	48	110±0.430	14	42.5	180	455	430	15	760	300	250	350	0±3.0	19	5	
200L	FF350	2~8	318	395	420	305	305	133±3.0	55	110±0.430	16	49	200	505	480	19	770	350	300±0.016	400	0±3.0	19	5	
225S	FF400	4,8	356	435	470	335	286	149±4.0	60	140±0.500	18	53	225	560	535	19	815	400	350±0.018	450	0±4.0	19	5	
225M	FF400	2	356	435	470	335	311	149±4.0	55	110±0.430	16	49	225	560	535	19	820	400	350±0.018	450	0±4.0	19	5	
225M	FF400	4~8	356	435	470	335	311	149±4.0	60	140±0.500	18	53	225	560	535	19	845	400	350±0.018	450	0±4.0	19	5	
250M	FF500	2	406	490	510	370	349	168±4.0	60	140±0.500	18	53	250	615	595	24	910	500	450±0.018	550	0±4.0	19	5	
250M	FF500	4~8	406	490	510	370	349	168±4.0	65	140±0.500	18	58	250	615	595	24	910	500	450±0.020	550	0±4.0	19	5	
280S	FF500	2	457	550	590	410	368	190±4.0	65	140±0.500	18	58	280	700	650	24	1000	500	450±0.020	550	0±4.0	19	5	
280S	FF500	4~8	457	550	590	410	368	190±4.0	75	140±0.500	20	67.5	280	700	650	24	1000	500	450±0.020	550	0±4.0	19	5	
280M	FF500	2	457	550	590	410	419	190±4.0	65	140±0.500	18	58	280	700	650	24	1050	500	450±0.020	550	0±4.0	19	5	
280M	FF500	4~8	457	550	590	410	419	190±4.0	75	140±0.500	20	67.5	280	700	650	24	1050	500	450±0.020	550	0±4.0	19	5	
315S	FF600	2	508	635	645	530	406	216±4.0	65	140±0.500	18	58	315	845	900	28	1178	600	550±0.022	660	0±4.0	24	6	
315S	FF600	4~8	508	635	645	530	406	216±4.0	80	170±0.500	22	71	315	845	900	28	1270	600	550±0.022	660	0±4.0	24	6	
315M	FF600	2	508	635	645	530	457	216±4.0	65	140±0.500	18	58	315	845	900	28	1238	600	550±0.022	660	0±4.0	24	6	
315M	FF600	4~8	508	635	645	530	457	216±4.0	80	170±0.500	22	71	315	845	900	28	1288	600	550±0.022	660	0±4.0	24	6	
315L	FF600	2	508	635	645	530	508	216±4.0	65	140±0.500	18	58	315	845	900	28	1190	600	550±0.022	660	0±4.0	24	6	
315L	FF600	4~8	508	635	645	530	508	216±4.0	80	170±0.500	22	71	315	845	900	28	1300	600	550±0.022	660	0±4.0	24	6	
355M	FF740	2	610	730	710	655	560	254±4.0	75	140±0.500	20	67.5	355	1010	1010	28	1500	740	680±0.025	800	0±4.0	24	6	
355M	FF740	4~8	610	730	710	655	560	254±4.0	95	170±0.570	25	85	355	1010	1010	28	1530	740	680±0.025	800	0±4.0	24	6	
355L	FF740	2	610	730	710	655	630	254±4.0	75	140±0.500	20	67.5	355	1010	1010	28	1500	740	680±0.025	800	0±4.0	24	6	
355L	FF740	4~8	610	730	710	655	630	254±4.0	95	170±0.570	25	86	355	1010	1010	28	1350	740	680±0.025	800	0±4.0	24	6	
400L	FF940	4~8	686	840	826	-	710	280±4.0	100	210±0.570	28	90	400	1160	-	35	1910	940	880±0.025	1000	0±4.0	28	6	

GB 三级能效

IE2

Figure is B35 mounting.

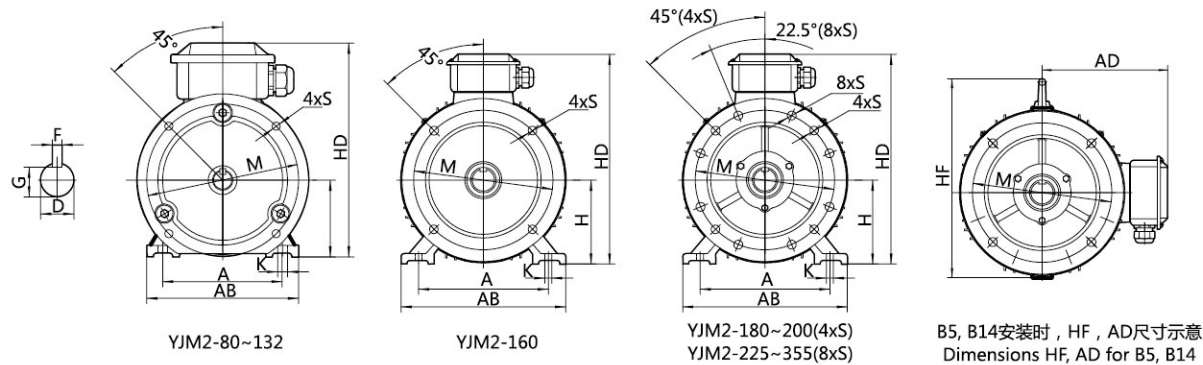
B3 is with feet and flange.

B3 is with feet and without flange. Not including dimensions of P, N, T, M, S.

B5 is without feet and with flange. Not including dimensions of A, AB, A/2, K, B, C.

B34 is with feet and flange. But the mounting dimensions are different to B35. Details see B34 mounting dimensions table.

B14 is without feet and with flange. Details see B14 mounting dimensions table. But not including dimensions of A, AB, K, B, C.



外形及安装尺寸(B34)

Outline & Installation Dimensions(B34)

机座号 Frame Size	Flange No.	极数 Poles	安装尺寸 Mounting Dimensions & Tolerance(mm)																			
			A	AB	AC	AD	B	C	D	E	F	G	H	HD	K	L	M	N	P	R	S	T
80	FF100	2~6	125	165	175	155	100	50±1.5	19	40±0.310	6	15.5	80	235	10	300	100	80	120	0±1.5	M6	3.0
90S	FF115	2~6	140	180	195	160	100	56±1.5	24	50±0.310	8	20	90	255	10	355	115	95	140	0±1.5	M8	3.0
90L	FF115	2~8	140	180	195	160	125	56±1.5	24	50±0.310	8	20	90	255	10	385	115	95	140	0±1.5	M8	3.0
100L	FF130	2~8	160	205	215	180	140	63±2.0	28	60±0.370	8	24	100	270	12	430	130	110	160	0±1.5	M8	3.5
112M	FF130	2~8	190	230	240	190	140	70±2.0	28	60±0.370	8	24	112	300	12	465	130	110	160	0±1.5	M8	3.5
132S	FF165	2~8	216	270	275	210	140	89±2.0	38	80±0.370	10	33	132	345	12	510	165	130	200	0±1.5	M10	3.5
132M	FF165	4~8	216	270	275	210	178	89±2.0	38	80±0.370	10	33	132	345	12	550	165	130	200	0±1.5	M10	3.5

**R尺寸为凸缘配合面至轴伸肩的距离。

**R is the distance from the matching surface of flange to the shoulder of shaft extension.

公差

Tolerance(mm)

D	F	G & H	K	N	S	T
19≤D≤28	+0.009 -0.004 F=6	0 -0.030 G=15.5	0 -0.10 K=10	+0.360 0 N=80	+0.012 -0.007 12≤S≤14.5	+0.043 0 T=3.0
38≤D≤48	+0.018 +0.002 8≤F≤10	0 -0.036 20≤G≤90	0 -0.20 12≤K≤14.5	+0.430 0 95≤N≤110	+0.013 -0.009 18.5≤S≤28	0 -0.120 3.5≤T≤5
55≤D≤80	+0.030 +0.011 12≤F≤18	0 -0.043 80≤H≤250	0 -0.5 18.5≤K≤28	+0.520 0 130≤N≤180	+0.014 -0.011	0 -0.150 T=6
95≤D≤100	+0.035 +0.013 20≤F≤28	0 -0.052 280≤H≤400	0 -1.0 K=35	+0.620 0 230≤N≤250	+0.016 -0.013	

IE1

性能数据(50Hz)

Technical Data(50Hz)

型号 Model	功率 Output		满载 Full Load					堵转转矩	堵转电流	最大转矩	最小转矩
			转速 Speed r.p.m	电压 Voltage V	电流 Current A	功率因数 Power factor Cosp	效率 Eff %	Start Torque	Start Current	Max. Torque	Min Torque
	kW	HP						额定转矩 Rated Torque	额定电流 Rated Current	额定转矩 Rated Torque	额定转矩 Rated Torque
2极 (2 poles)											
YJD2-6312	0.18	0.24	2800	380	0.53	0.80	65.0	2.2	5.5	2.2	1.6
YJD2-6322	0.25	0.33	2800	380	0.69	0.81	68.0	2.2	5.5	2.2	1.6
YJD2-7112	0.37	0.50	2800	380	0.99	0.81	70.0	2.2	6.1	2.2	1.6
YJD2-7122	0.55	0.75	2800	380	1.44	0.82	71.0	2.2	6.1	2.3	1.6
YJD2-8012	0.75	1	2825	380	1.90	0.83	72.1	2.2	6.1	2.3	1.5
YJD2-8022	1.1	1.5	2825	380	2.65	0.84	75.0	2.2	7.0	2.3	1.5
YJD2-90S-2	1.5	2	2840	380	3.51	0.84	77.2	2.2	7.0	2.3	1.5
YJD2-90L-2	2.2	3	2840	380	4.93	0.85	79.7	2.2	7.0	2.3	1.4
YJD2-100L-2	3	4	2880	380	6.43	0.87	81.5	2.2	7.5	2.3	1.4
YJD2-112M-2	4	5.5	2890	380	8.31	0.88	83.1	2.2	7.5	2.3	1.4
YJD2-132S1-2	5.5	7.5	2900	380	11.2	0.88	84.7	2.2	7.5	2.3	1.2
YJD2-132S2-2	7.5	10	2900	380	15.1	0.88	86.0	2.2	7.5	2.3	1.2
YJD2-160M1-2	11	15	2930	380	21.4	0.89	87.6	2.2	7.5	2.3	1.2
YJD2-160M2-2	15	20	2930	380	28.9	0.89	88.7	2.2	7.5	2.3	1.2
YJD2-160L-2	18.5	25	2930	380	35.0	0.90	89.3	2.2	7.5	2.3	1.1
YJD2-180M-2	22	30	2940	380	41.3	0.90	89.9	2.0	7.5	2.3	1.1
YJD2-200L1-2	30	40	2950	380	55.8	0.90	90.7	2.0	7.5	2.3	1.1
YJD2-200L2-2	37	50	2950	380	68.5	0.90	91.2	2.0	7.5	2.3	1.1
YJD2-225M-2	45	60	2950	380	82.8	0.90	91.7	2.0	7.5	2.3	1.0
YJD2-250M-2	55	75	2950	380	100.8	0.90	92.1	2.0	7.5	2.3	1.0
YJD2-280S-2	75	100	2950	380	136.6	0.90	92.7	2.0	7.5	2.3	0.9
YJD2-280M-2	90	120	2950	380	161.6	0.91	93.0	2.0	7.5	2.3	0.9
YJD2-315S-2	110	150	2950	380	196.9	0.91	93.3	1.8	7.1	2.2	0.9
YJD2-315M-2	132	176	2950	380	235.7	0.91	93.5	1.8	7.1	2.2	0.9
YJD2-315L1-2	160	213	2950	380	281.7	0.92	93.8	1.8	7.1	2.2	0.9
YJD2-315L2-2	200	267	2950	380	351.4	0.92	94.0	1.8	7.1	2.2	0.8
YJD2-355M-2	250	336	2950	380	439.2	0.92	94.0	1.6	7.1	2.2	0.8
YJD2-355L-2	315	420	2950	380	553.4	0.92	94.0	1.6	7.1	2.2	0.8
4极 (4 poles)											
YJD2-6314	0.12	0.16	1400	380	0.44	0.72	57.0	2.1	4.4	2.2	1.7
YJD2-6324	0.18	0.24	1400	380	0.62	0.73	60.0	2.1	4.4	2.2	1.7
YJD2-7114	0.25	0.33	1400	380	0.79	0.74	65.0	2.1	5.2	2.2	1.7
YJD2-7124	0.37	0.50	1400	380	1.12	0.75	67.0	2.1	5.2	2.2	1.7
YJD2-8014	0.55	0.75	1390	380	1.57	0.75	71.0	2.4	5.2	2.3	1.7
YJD2-8024	0.75	1	1390	380	2.08	0.76	72.1	2.3	6.0	2.3	1.6
YJD2-90S-4	1.1	1.5	1400	380	2.89	0.77	75.0	2.3	6.0	2.3	1.6
YJD2-90L-4	1.5	2	1400	380	3.74	0.79	77.2	2.3	6.0	2.3	1.6
YJD2-100L1-4	2.2	3	1420	380	5.18	0.81	79.7	2.3	7.0	2.3	1.5
YJD2-100L2-4	3	4	1420	380	6.82	0.82	81.5	2.3	7.0	2.3	1.5
YJD2-112M-4	4	5.5	1440	380	8.92	0.82	83.1	2.3	7.0	2.3	1.5
YJD2-132S-4	5.5	7.5	1440	380	11.9	0.83	84.7	2.3	7.0	2.3	1.4
YJD2-132M-4	7.5	10	1440	380	15.8	0.84	86.0	2.3	7.0	2.3	1.4
YJD2-160M-4	11	15	1460	380	22.7	0.84	87.6	2.2	7.0	2.3	1.4
YJD2-160L-4	15	20	1460	380	30.2	0.85	88.7	2.2	7.5	2.3	1.4
YJD2-180M-4	18.5	25	1470	380	36.6	0.86	89.3	2.2	7.5	2.3	1.2
YJD2-180L-4	22	30	1470	380	43.2	0.86	89.9	2.2	7.5	2.3	1.2
YJD2-200L-4	30	40	1480	380	58.4	0.86	90.7	2.2	7.2	2.3	1.2
YJD2-225S-4	37	50	1480	380	70.9	0.87	91.2	2.2	7.2	2.3	1.2
YJD2-225M-4	45	60	1480	380	85.7	0.87	91.7	2.2	7.2	2.3	1.1
YJD2-250M-4	55	75	1480	380	104.3	0.87	92.1	2.2	7.2	2.3	1.1
YJD2-280S-4	75	100	1480	380	141.3	0.87	92.7	2.2	7.2	2.3	1.0
YJD2-280M-4	90	125	1480	380	169.0	0.87	93.0	2.2	7.2	2.3	1.0
YJD2-315S-4	110	150	1480	380	203.6	0.88	93.3	2.1	6.9	2.2	1.0
YJD2-315M-4	132	176	1480	380	243.8	0.88	93.5	2.1	6.9	2.2	1.0
YJD2-315L1-4	160	213	1480	380	291.2	0.89	93.8	2.1	6.9	2.2	1.0
YJD2-315L2-4	200	267	1480	380	363.2	0.89	94.0	2.1	6.9	2.2	0.9
YJD2-355M-4	250	336	1480	380	449.0	0.90	94.0	2.1	6.9	2.2	0.9
YJD2-355L-4	315	420	1480	380	565.7	0.90	94.0	2.1	6.9	2.2	0.8

IE1

性能数据(50Hz)

型号 Model	功率 Output		满载 Full Load					堵转转矩	堵转电流	最大转矩	最小转矩
			转速 Speed r.p.m	电压 Voltage V	电流 Current A	功率因数 Power factor Cosp	效率 Eff %	Start Torque	Start Current	Max. Torque	Min Torque
	额定转矩 Rated Torque	额定电流 Rated Current						额定转矩 Rated Torque	额定转矩 Rated Torque		
6极 (6 poles)											
YJD2-7116	0.18	0.24	900	380	0.74	0.66	56.0	1.9	4.0	2.0	1.5
YJD2-7126	0.25	0.33	900	380	0.95	0.68	59.0	1.9	4.0	2.0	1.5
YJD2-8016	0.37	0.5	900	380	1.30	0.70	62.0	1.9	4.7	2.0	1.5
YJD2-8026	0.55	0.75	900	380	1.79	0.72	65.0	1.9	4.7	2.1	1.5
YJD2-90S-6	0.75	1	910	380	2.26	0.72	70.0	2.0	5.5	2.1	1.5
YJD2-90L-6	1.1	1.5	910	380	3.14	0.73	72.9	2.0	5.5	2.1	1.3
YJD2-100L-6	1.5	2	940	380	4.04	0.75	75.2	2.0	5.5	2.1	1.3
YJD2-112M-6	2.2	3	940	380	5.66	0.76	77.7	2.0	6.5	2.1	1.3
YJD2-132S-6	3	4	960	380	7.53	0.76	79.7	2.1	6.5	2.1	1.3
YJD2-132M1-6	4	5.5	960	380	9.82	0.76	81.4	2.1	6.5	2.1	1.3
YJD2-132M2-6	5.5	7.5	960	380	13.1	0.77	83.1	2.1	6.5	2.1	1.3
YJD2-160M-6	7.5	10	970	380	17.5	0.77	84.7	2.0	6.5	2.1	1.3
YJD2-160L-6	11	15	970	380	24.8	0.78	86.4	2.0	6.5	2.1	1.2
YJD2-180L-6	15	20	970	380	32.1	0.81	87.7	2.0	7.0	2.1	1.2
YJD2-200L1-6	18.5	25	970	380	39.2	0.81	88.6	2.1	7.0	2.1	1.2
YJD2-200L2-6	22	30	970	380	45.1	0.83	89.2	2.1	7.0	2.1	1.2
YJD2-225M-6	30	40	970	380	60.2	0.84	90.2	2.0	7.0	2.1	1.2
YJD2-250M-6	37	50	970	380	72.0	0.86	90.8	2.1	7.0	2.1	1.2
YJD2-280S-6	45	60	970	380	87.0	0.86	91.4	2.1	7.0	2.0	1.1
YJD2-280M-6	55	75	970	380	105.7	0.86	91.9	2.1	7.0	2.0	1.1
YJD2-315S-6	75	100	970	380	143.1	0.86	92.6	2.0	7.0	2.0	1.0
YJD2-315M-6	90	120	970	380	171.2	0.86	92.9	2.0	7.0	2.0	1.0
YJD2-315L1-6	110	150	970	380	208.3	0.86	93.3	2.0	6.7	2.0	1.0
YJD2-315L2-6	132	176	970	380	246.6	0.87	93.5	2.0	6.7	2.0	1.0
YJD2-355M1-6	160	213	970	380	294.5	0.88	93.8	1.9	6.7	2.0	1.0
YJD2-355M2-6	200	267	970	380	367.4	0.88	94.0	1.9	6.7	2.0	0.9
YJD2-355L-6	250	336	970	380	459.2	0.88	94.0	1.9	6.7	2.0	0.9
8极 (8 poles)											
YJD2-801-8	0.18	0.25	630	380	0.88	0.61	51.0	1.8	3.3	1.9	1.3
YJD2-802-8	0.25	0.34	640	380	1.15	0.61	54.0	1.8	3.3	1.9	1.3
YJD2-90S-8	0.37	0.50	660	380	1.49	0.61	62.0	1.8	4.0	1.9	1.3
YJD2-90L-8	0.55	0.75	660	380	2.17	0.61	63.0	1.8	4.0	2.0	1.3
YJD2-100L1-8	0.75	1	690	380	2.40	0.67	71.0	1.8	4.0	2.0	1.3
YJD2-100L2-8	1.1	1.5	690	380	3.32	0.69	73.0	1.8	5.0	2.0	1.2
YJD2-112M-8	1.5	2	680	380	4.40	0.69	75.0	1.8	5.0	2.0	1.2
YJD2-132S-8	2.2	3	710	380	6.04	0.71	78.0	1.8	6.0	2.0	1.2
YJD2-132M-8	3.0	4	710	380	7.90	0.73	79.0	1.8	6.0	2.0	1.3
YJD2-160M1-8	4.0	5.5	720	380	10.28	0.73	81.0	1.9	6.0	2.0	1.2
YJD2-160M2-8	5.5	7.5	720	380	13.61	0.74	83.0	2.0	6.0	2.0	1.2
YJD2-160L-8	7.5	10	720	380	17.77	0.75	85.5	2.0	6.0	2.0	1.2
YJD2-180L-8	11	15	730	380	25.13	0.76	87.5	2.0	6.6	2.0	1.1
YJD2-200L-8	15	20	730	380	34.08	0.76	88.0	2.0	6.6	2.0	1.1
YJD2-225S-8	18.5	25	730	380	41.09	0.76	90.0	1.9	6.6	2.0	1.1
YJD2-225M-8	22	30	740	380	47.35	0.78	90.5	1.9	6.6	2.0	1.1
YJD2-250M-8	30	40	740	380	63.40	0.79	91.0	1.9	6.6	2.0	1.1
YJD2-280S-8	37	50	740	380	77.77	0.79	91.5	1.9	6.6	2.0	1.1
YJD2-280M-8	45	60	740	380	94.07	0.79	92.0	1.9	6.6	2.0	1.0
YJD2-315S-8	55	75	740	380	111.17	0.81	92.8	1.8	6.6	2.0	1.0
YJD2-315M-8	75	100	740	380	151.27	0.81	93.0	1.8	6.6	2.0	0.9
YJD2-315L1-8	90	120	740	380	177.78	0.82	93.8	1.8	6.6	2.0	0.9
YJD2-315L2-8	110	150	740	380	216.83	0.82	94.0	1.8	6.4	2.0	0.9
YJD2-355M1-8	132	176	740	380	261.03	0.82	93.7	1.8	6.4	2.0	0.9
YJD2-355M2-8	160	213	740	380	314.72	0.82	94.2	1.8	6.4	2.0	0.9
YJD2-355L-8	200	267	740	380	387.43	0.83	94.5	1.8	6.4	2.0	0.9
10极 (10 poles)											
YJD2-315S-10	45	60	590	380	99.6	0.75	91.5	1.5	6.2	2.0	0.8
YJD2-315M-10	55	75	590	380	121.1	0.75	92.0	1.5	6.2	2.0	0.8
YJD2-315L1-10	75	100	590	380	162.1	0.76	92.5	1.5	6.2	2.0	0.8
YJD2-315L2-10	90	120	590	380	191.0	0.77	93.0	1.5	6.2	2.0	0.8
YJD2-355M1-10	110	150	590	380	229.9	0.78	93.2	1.3	6.0	2.0	0.8
YJD2-355M2-10	132	180	590	380	275.0	0.78	93.5	1.3	6.0	2.0	0.8
YJD2-355L-10	160	215	590	380	333.3	0.78	93.5	1.3	6.0	2.0	0.8

Technical Data(50Hz)

图为B35安装方式图例，机座带底脚，端盖上有凸缘（法兰）。

B3安装方式，机座带底脚，端盖无凸缘，不含P、N、T、M、S尺寸。

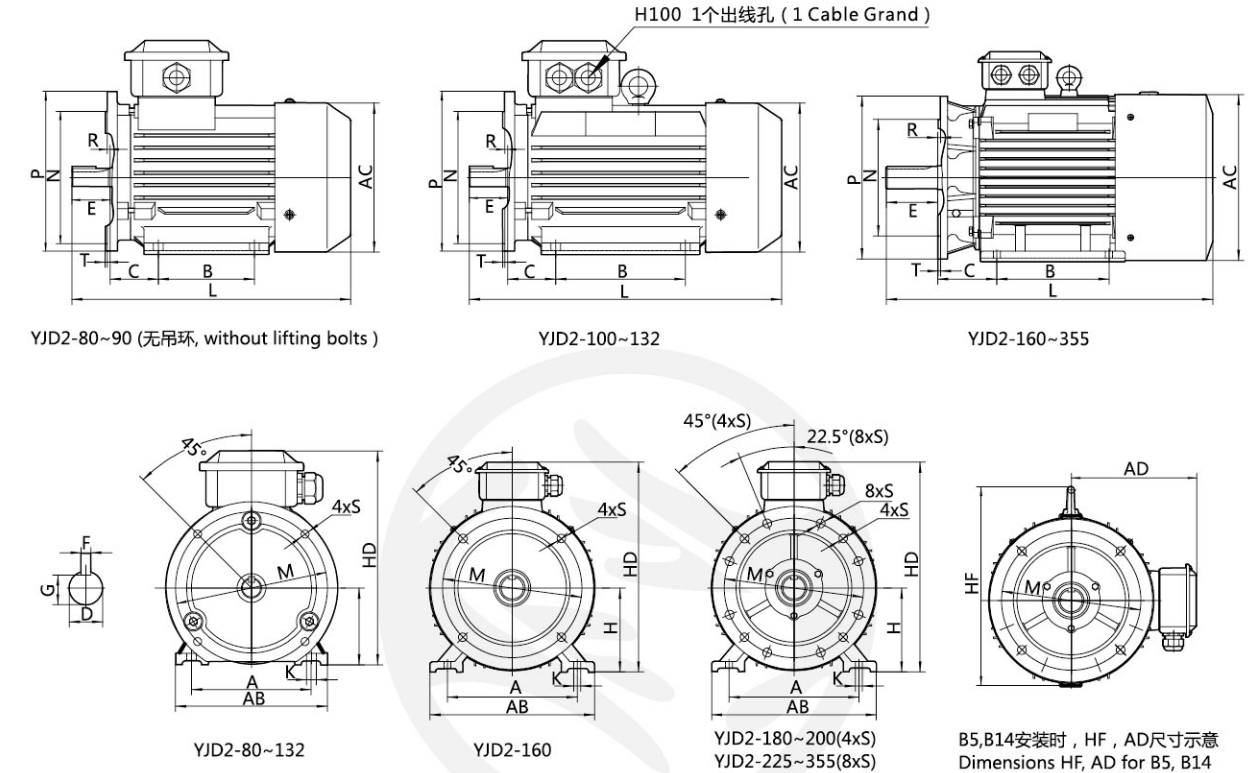
B5安装方式，机座无底脚，端盖上有凸缘，不含A、AB、A/2、K、B、C尺寸。

Figure is B35 mounting.

B35 is with feet and without flange.

B3 is with feet and flange. Not including dimensions of P、N、T、M、S.

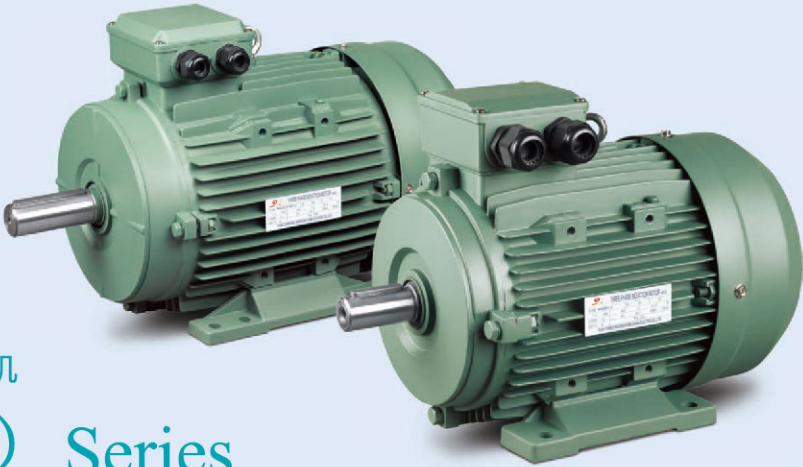
B5 is without feet and with flange. Not including dimensions of A、AB、A/2、K、B、C.



外形及安装尺寸(B35)

Outline & Installation Dimensions(B35)

机座号 Frame Size	安装尺寸 Mounting Dimension (mm)															外形尺寸 Outline Dimension (mm)					
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	HF	L
63	100	80	40	11	23	4	8.5	63	7	115	95	140	0	10	3	135	130	70	180	130	230
71	112	90	45	14	30	5	11	71	7	130	110	160	0	10	3.5	150	145	80	195	145	255
80	125	100	50	19	40	6	15.5	80	10	165	130	200	0	12	3.5	165	175	145	220	185	295
90S	140	100	56	24	50	8	20	90	10	165	130	200	0	12	3.5	180	195	155	250	195	322
90L	140	125	56	24	50	8	20	90	10	165	130	200	0	12	3.5	180	195	155	250	195	347
100L	160	140	63	28	60	8	24	100	12	215	180	250	0	15	4	205	215	180	270	245	385
112M	190	140	70	28	60	8	24	112	12	215	180	250	0	15	4	230	240	190	300	265	400
132S	216	140	89	38	80	10	33	132	12	265	230	300	0	15	4	270	275	210	345	315	470
132M	216	178	89	38	80	10	33	132	12	265	230	300	0	15	4	270	275	210	345	315	510
160M	254	210	108	42	110	12	37	160	15	300	250	350	0	19	5	320	330	255	420	385	615
160L	254	254	108	42	110	12	37	160	15	300	250	350	0	19	5	320	330	255	420	385	670
180M	279	241	121	48	110	14	42.5	180	15	300	250	350	0	19	5	355	380	280	455	430	700
180L	279	279	121	48	110	14	42.5	180	15	300	250	350	0	19	5	355	380	280	455	430	740
200L	318	305	133	55	110	16	49	200	19	350	300	400	0	19	5	395	420	305	505	480	770
225S	356	286	149	60	140	18	53	225	19	400	350	450	0	19	5	435	470	335	560	535	815
225M-2	356	311	149	55	110	16	49	225	19	400	350	450	0	19	5	435	470	335	560	535	820
225M-4、6	356	311	149	60	140	18	53	225	19	400	350	450	0	19	5	435	470	335	560	535	845
250M-2	406	349	168	60	140	18	53	250	24	500	450	550	0	19	5	490	510	370	615	595	910
250M-4、6	406	349	168	65	140	18	58	250	24	500	450	550	0	19	5	490	510	370	615	595	910
280S-2	457	368	190	65	140	18	58	280	24	500	450	550	0	19	5	550	580	410	680	650	985
280S-4、6	457	368	190	75	140	20	67.5	280	24	500	450	550	0	19	5	550	580	410	680	650	985
280M-2	457	419	190	65	140	18	58	280	24	500	450	550	0	19	5	550	580	410	680	650	1035
280M-4、6	457	419	190	75	140	20	67.5	280	24	500	450	550	0	19	5	550	580	410	680	650	1035
315S-2	508	406	216	65	140	18	58	315	28	600	550	660	0	24	6	635	645	530	845	900	1160
315S-4、6	508	406	216	80	170	22	71	315	28	600	550	660	0	24	6	635	645	530	845	900	1270
315M-2	508	457	216	65	140	18	58	315	28	600	550	660	0	24	6	635	645	530	845	900	1190
315M-4、6	508	457	216	80	170	22	71	315	28	600	550	660	0	24	6	635	645	530	845	900	1300
315L-2	508	508	216	65	140	18	58	315	28	600	550	660	0	24	6	635	645	530	845	900	1190
315L-4、6	508	508	216	80	170	22	71	315	28	600	550	660	0	24	6	635	645	530	845	900	1300
355M-2	610	560	254	75	140	20	67.5	355	28	740	680	800	0	24	6	730	710	655	1010	1010	1500
355M-4、6	610	560	254	95	170	25	86	355	28	740	680	800	0	24	6	730	710	655	1010	1010	1530
355L-2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	24	6	730	710	655	1010	1010	1500
355L-4、6	610	630	254	95	170	25	86	355	28	740	680	800	0	24	6	730	710	655	1010	1010	1530



MS , MS (IE2) 系列铝壳电动机

MS, MS (IE2) Series Three-phase Asynchronous Motor With Aluminium Housing

MS、MS(IE2)系列电机是铝壳全封闭自扇冷却式三相异步电动机，设计要求符合IEC、GB等相关标准的要求。

MS, MS(IE2) series are 3 phase asynchronous motors with totally enclosed fan cooled. It is in according with standards IEC, GB, etc.

技术特性

- 机座号：H56~H160
- 额定功率：0.06kW~18.5kW(50Hz)
- 外壳材料：铸铝
- 标准颜色：MS(IE2)系列电机为荷叶绿，MS电机为湖蓝
- 标准安装结构形式：IEC60034-7
- 标准防护等级：IP54/IP55 (IEC60034-5)
- 绝缘等级：F
- MS(IE2)系列电机 (0.75kW~18.5kW) 满足2、4、6极达到GB 18613-2012标准能效等级三级及IEC60034-30标准的IE2效率等级要求。
- MS(IE1)系列电机 (0.75kW~18.5kW) 满足2、4、6极达到IEC60034-30标准的IE1效率等级要求，并能在频率范围30~60Hz条件下运行。
- 特定绕组设计可支持多种电压 (50Hz或60Hz)
- 冷却方式：IC411 (IEC60034-6)
- 接线方式：3kW及以下采用星形接法，4kW及以上采三角形接法，亦可根据客户要求设计制造。
- 工作制：S1
- 环境温度：-15℃~40℃
- 海拔：1000m

Features

- Frame Size Range: H56~H160
- Rated Power Range: 0.06KW~18.5KW (50Hz)
- Housing Material: Cast Aluminium
- Standard Color: MS(IE2) - Lotus leaf green; MS - lake blue
- Standard Mounting Construction: IEC60034-7
- Protect Enclosed Class: IP54/IP55 (IEC60034-5)
- Insulation Class: F
- MS(IE2) series 2P, 4P, 6P motors (power arrange: 0.75kw~18.5kw) meet with Efficiency Grade 3 according to Standard GB18613-2012 and Efficiency IE2 according to Standard IEC60034-30.
- MS(IE1) series 2P, 4P, 6P motors (power arrange: 0.75kw~18.5kw) meet with Efficiency IE1 according to Standard IEC60034-30.
- The special winding design can work for multi-voltages (50Hz or 60Hz)
- Cooling Method: IC411 (IEC60034-6)
- Connecting Method: ≤3kw adapt Y, ≥4kw adapt Δ, also can be done according to the special request.
- Duty: S1
- Ambient Temperature: -15℃~40℃
- Altitude: 1000m

三相异步电动机

Three-phase Asynchronous Motor

轴承型号

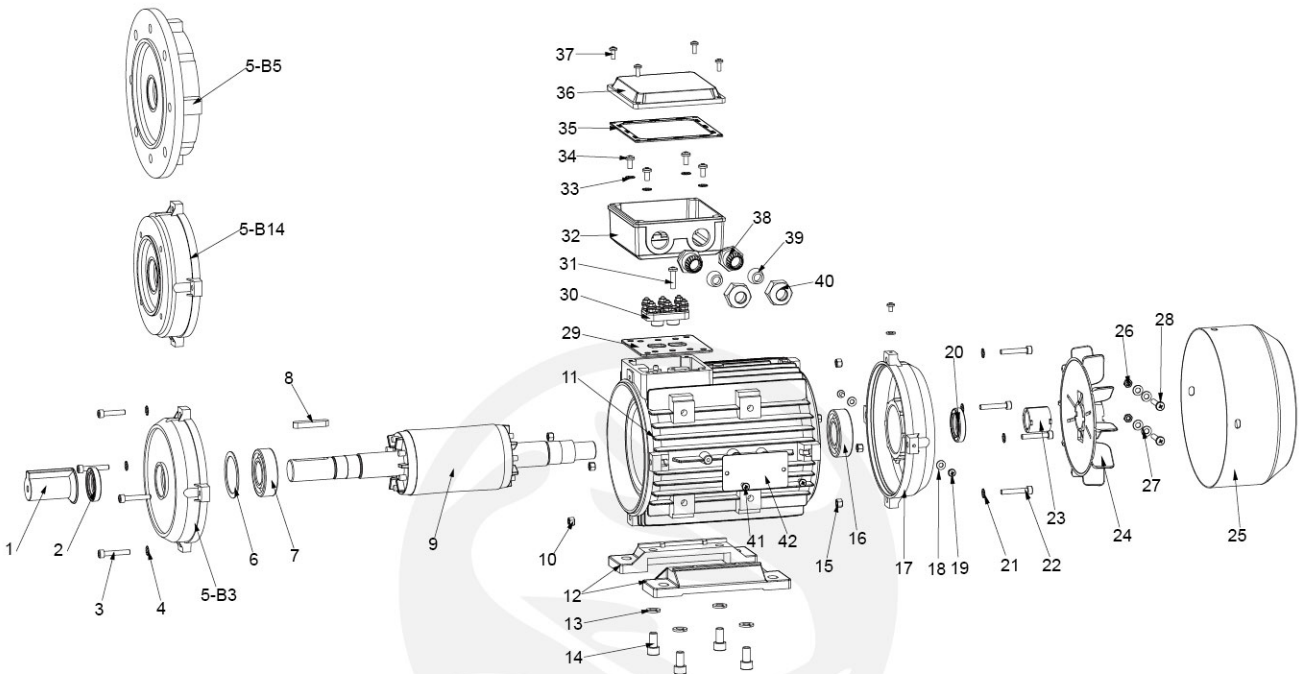
Bearing Specifications

型号 Type	驱动端轴承 Drive-end Bearing	非驱动端轴承 Non-drive-end Bearing
56	6201ZZ	6201ZZ
63	6201ZZ	6201ZZ
71	6202ZZ	6202ZZ
80	6204ZZ	6204ZZ
90S	6205ZZ	6204ZZ
90L	6205ZZ	6204ZZ
100	6206ZZ	6206ZZ
112	6306ZZ	6306ZZ
132S	6308ZZ	6308ZZ
132M	6308ZZ	6308ZZ
160M/L	6309ZZ	6309ZZ

接线盒尺寸

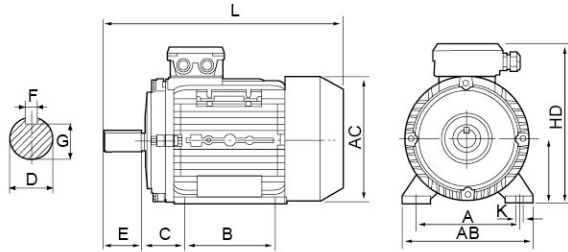
Conduit Box Dimensions

机座号 Frame Size	防护等级 Protection Degree	接线盒的转向 Rotation Of Terminal Box	引出线孔的数目 Number Of Cable Grand	接线端子螺丝 Terminal Bus	引出线螺套的尺寸 Cable Entry Size	长 X 宽 X 高 L x W x H (mm)
63~71	IP55	4×90°	1	M4	M16×1.5	78x78x38
80~90	IP55	4×90°	1	M4	M20×1.5	94x94x45
100	IP55	4×90°	1	M5	M20×1.5	94x94x45
112~132	IP55	4×90°	2	M5	2-M28×1.5	104x104x56
160	IP55	4×90°	2	M6	2-M30×1.5	146x143x72

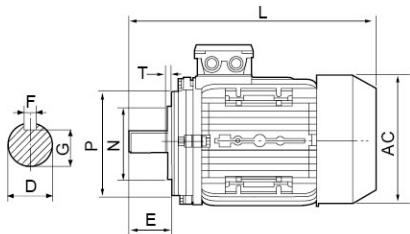


No.	Description.	No.	Description.	No.	Description.
1	轴伸套 Shaft Cover	15	螺母 Nut	29	橡胶垫 Gasket
2	骨架油封 Rotary Seal	16	轴承 Ball Bearing	30	接线板 Terminal Block
3	螺栓 Screw	17	后端盖 Motor Rear Cover	31	螺栓 Bolt
4	弹簧垫片 Washer	18	垫片 Washer	32	接线盒底座 Terminal Box Base
5	前端盖 Motor Fore Cover	19	螺栓 Bolt	33	垫片 Washer
6	波型垫片 Adjusting Washer	20	骨架油封 Rotary Seal	34	螺栓 Bolt
7	轴承 Ball Bearing	21	垫片 Washer	35	橡胶垫 Gasket
8	平键 Key	22	螺栓 Screw	36	接线盒盖 Terminal Box Cover
9	转子 Rotor	23	风叶内套 Fan Tighten Sleeve	37	螺栓 Bolt
10	螺母 Nut	24	风叶 Fan	38	螺套 Cable Gland-base
11	机壳 Stator With Frame	25	风罩 Fan Cover	39	橡胶塞 Cable Gland-seal
12	底脚(B3) Feet For IM B3	26	螺母 Nut	40	螺套螺母 Cable Gland-nut
13	弹簧垫片 Spring Gasket	27	垫片 Washer	41	螺栓 Bolt
14	螺栓 Screw	28	螺栓 Bolt	42	铭牌 Nameplate

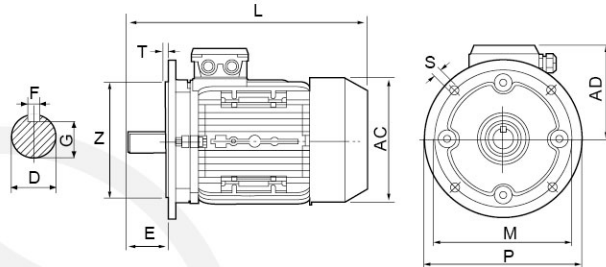
IMB3



IMB14



IMB5



外形及安装尺寸

Frame Size	Installation Size (mm)									Installation Size (mm) IMB14					Installation Size (mm) IMB5					Outline Dimension (mm)				
	A	B	C	D	E	F	G	H	K	M	N	P	S	T	M	N	P	S	T	AB	AC	AD	HD	L
56	90	71	36	9	20	3	7.2	56	6	65	50	80	M5	2.5	98	80	120	7	3	110	120	110	155	195
63	100	80	40	11	23	4	8.5	63	7	75	60	90	M5	2.5	115	95	140	10	3	130	130	115	165	230
71	112	90	45	14	30	5	11	71	7	85	70	105	M6	2.5	130	110	160	10	3.5	145	145	125	185	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	M6	3	165	130	200	12	3.5	160	165	135	215	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	M8	3	165	130	200	12	3.5	180	185	145	235	335
90L	140	125	56	24	50	8	20	90	10	115	95	140	M8	3	165	130	200	12	3.5	180	185	145	235	360
100L	160	140	63	28	60	8	24	100	12	130	110	160	M8	3.5	215	180	250	15	4	205	215	170	255	380
112M	190	140	70	28	60	8	24	112	12	130	110	160	M8	3.5	215	180	250	15	4	245	240	180	285	400
132S	216	140	89	38	80	10	33	132	12	165	130	200	M10	4.0	265	230	300	15	4	280	275	195	325	475
132M	216	178	89	38	80	10	33	132	12	165	130	200	M10	4.0	265	230	300	15	4	280	275	195	325	515
160M	254	210	108	42	110	12	37	160	15	215	180	250	M12	4.0	300	250	350	15	5	320	330	255	420	615
160L	254	254	108	42	110	12	37	160	15	215	180	250	M12	4.0	300	250	350	15	5	320	330	255	420	670
180M	279	241	121	48	110	14	42.5	180	15	265	230	300	M15	4.0	300	250	350	19	5	355	380	280	455	700
180L	279	279	121	48	110	14	42.5	180	15	265	230	300	M15	4.0	300	250	350	19	5	355	380	280	455	740

Outline & Installation Dimensions

MS系列性能数据

MS Series Technical Data

型号 Model	功率 Power kW	满载 Full Load										转速 Speed r.p.m	功率因数 Power factor Cosφ	效率 Eff %	堵转转矩	最大转矩	最小转矩	堵转电流	噪音 Noise dB(A)	重量 WT (Kg)
		电流 Current (A)			电流 Current (A)			电流 Current (A)			倍数 T _{st} /T _n (Times)				倍数 T _{max} /T _n (Times)	倍数 T _{min} /T _n (Times)	倍数 I _{st} /I _n (Times)			
		220V	380V	660V	230V	400V	690V	240V	415V	720V										
2极 (2poles)																				
MS 561-2	0.09	0.62	0.36	0.21	0.59	0.34	0.20	0.57	0.33	0.19	2710	0.72	53.0	2.2	2.3	2.0	4.0	58	2.6	
MS 562-2	0.12	0.72	0.42	0.24	0.69	0.39	0.23	0.66	0.38	0.22	2700	0.72	61.0	2.2	2.3	2.0	4.0	58	3.0	
MS 563-2	0.18	1.00	0.58	0.33	0.96	0.55	0.32	0.92	0.53	0.31	2710	0.75	63.0	2.2	2.4	1.6	6.0	61	4.0	
MS 631-2	0.18	1.00	0.58	0.33	0.96	0.55	0.32	0.92	0.53	0.31	2710	0.75	63.0	2.2	2.4	1.6	6.0	61	4.0	
MS 632-2	0.25	1.29	0.75	0.43	1.24	0.71	0.41	1.19	0.69	0.40	2710	0.78	65.0	2.2	2.4	1.6	6.0	61	4.2	
MS 633-2	0.37	1.92	1.11	0.64	1.83	1.05	0.61	1.76	1.02	0.59	2710	0.78	65.0	2.2	2.4	1.6	6.0	62	4.7	
MS 711-2	0.37	1.76	1.02	0.59	1.68	0.97	0.56	1.61	0.93	0.54	2730	0.79	70.0	2.2	2.4	1.6	6.0	64	5.2	
MS 712-2	0.55	2.57	1.49	0.86	2.46	1.42	0.82	2.36	1.36	0.79	2760	0.79	71.0	2.2	2.4	1.6	6.0	64	6.0	
MS 713-2	0.75	3.29	1.90	1.10	3.15	1.81	1.05	3.02	1.74	1.01	2730	0.83	72.1	2.2	2.4	1.5	6.0	65	7.0	
MS 801-2	0.75	3.29	1.90	1.10	3.15	1.81	1.05	3.02	1.74	1.01	2770	0.83	72.1	2.2	2.4	1.5	6.0	67	8.7	
MS 802-2	1.1	4.58	2.65	1.53	4.38	2.52	1.46	4.20	2.43	1.40	2770	0.84	75.0	2.2	2.4	1.5	6.0	67	10.0	
MS 803-2	1.5	6.07	3.51	2.02	5.81	3.34	1.94	5.56	3.22	1.85	2800	0.84	77.2	2.2	2.4	1.5	6.0	70	11.2	
MS 90S-2	1.5	6.07	3.51	2.02	5.81	3.34	1.94	5.56	3.22	1.85	2840	0.84	77.2	2.2	2.4	1.5	6.0	72	12.0	
MS 90L1-2	2.2	8.52	4.93	2.84	8.15	4.69	2.72	7.81	4.52	2.60	2840	0.85	79.7	2.2	2.4	1.4	6.0	72	14.5	
MS 90L2-2	3.0	11.1	6.43	3.70	10.6	6.11	3.54	10.2	5.89	3.39	2840	0.87	81.5	2.2	2.4	1.4	6.0	74	15.0	
MS 100L1-2	3.0	11.1	6.43	3.70	10.6	6.11	3.54	10.2	5.89	3.39	2840	0.87	81.5	2.2	2.3	1.4	7.0	76	20.0	
MS 100L2-2	4.0	14.4	8.31	4.79	13.7	7.90	4.58	13.2	7.61	4.39	2850	0.88	83.1	2.2	2.3	1.4	7.5	77	24.0	
MS 112M-2	4.0	14.4	8.31	4.79	13.7	7.90	4.58	13.2	7.61	4.39	2880	0.88	83.1	2.2	2.3	1.4	7.5	77	26.0	
MS 112L-2	5.5	19.4	11.2	6.46	18.5	10.7	6.17	17.8	10.3	5.92	2880	0.88	84.7	2.2	2.3	1.2	7.5	78	29.3	
MS 132S1-2	5.5	19.4	11.2	6.46	18.5	10.7	6.17	17.8	10.3	5.92	2900	0.88	84.7	2.0	2.2	1.2	7.5	80	38.4	
MS 132S2-2	7.5	26.0	15.1	8.67	24.9	14.3	8.29	23.8	13.8	7.95	2920	0.88	86.0	2.0	2.2	1.2	7.5	80	41.3	
MS 132M1-2	9.2	31.6	18.3	10.5	30.2	17.4	10.1	29.0	16.8	9.66	2930	0.88	86.8	2.0	2.2	1.2	7.5	81	48.2	
MS 132M2-2	11	37.0	21.4	12.3	35.4	20.4	11.8	33.9	19.6	11.3	2930	0.89	87.6	2.0	2.2	1.2	7.5	83	52.5	
MS 160M1-2	11	37.0	21.4	12.3	35.4	20.4	11.8	33.9	19.6	11.3	2940	0.89	87.6	2.0	2.2	1.2	7.5	86	76.0	
MS 160M2-2	15	49.9	28.9	16.6	47.7	27.4	15.9	45.7	26.4	15.2	2940	0.89	88.7	2.0	2.2	1.2	7.5	86	77.5	
MS 160L-2	18.5	60.4	35.0	20.1	57.8	33.2	19.3	55.4	32.0	18.5	2940	0.90	89.3	2.0	2.2	1.1	7.5	86	92.0	
4极 (4poles)																				
MS 561-4	0.06	0.56	0.33	0.19	0.54	0.31	0.18	0.52	0.30	0.17	1360	0.56	50.0	2.3	2.4	2.0	4.0	50	2.9	
MS 562-4	0.09	0.77	0.45	0.26	0.74	0.42	0.25	0.71	0.41	0.24	1360	0.59	52.0	2.3	2.4	2.0	4.0	50	3.2	
MS 631-4	0.12	0.95	0.55	0.32	0.91	0.52	0.30	0.87	0.50	0.29	1360	0.64	52.0	2.2	2.4	2.0	4.0	52	3.7	
MS 632-4	0.18	1.28	0.74	0.43	1.22	0.70	0.41	1.17	0.68	0.39	1310	0.65	57.0	2.2	2.4	2.0	4.0	52	4.2	
MS 633-4	0.25	1.66	0.96	0.55	1.58	0.91	0.53	1.52	0.88	0.51	1340	0.66	60.0	2.2	2.2	2.0	4.0	54	5.0	
MS 711-4	0.25	1.52	0.88	0.51	1.45	0.84	0.48	1.39	0.81	0.46	1350	0.72	60.0	2.2	2.4	1.7	6.0	55	5.0	
MS 712-4	0.37	2.02	1.17	0.67	1.93	1.11	0.64	1.85	1.07	0.62	1370	0.74	65.0	2.2	2.4	1.7	6.0	55	5.8	
MS 713-4	0.55	2.92	1.69	0.97	2.79	1.60	0.93	2.67	1.55	0.89	1380	0.75	66.0	2.2	2.4	1.7	6.0	57	6.5	
MS 801-4	0.55	2.87	1.66	0.96	2.75	1.58	0.92	2.63	1.52	0.88	1370	0.75	67.0	2.2	2.4	1.7	6.0	58	8.1	
MS 802-4	0.75	3.59	2.08	1.20	3.44	1.98	1.15	3.29	1.90	1.10	1380	0.76	72.1	2.2	2.4	1.6	6.0	58	9.1	
MS 803-4	1.1	5.00	2.89	1.67	4.78	2.75	1.59	4.58	2.65	1.53	1390	0.77	75.0	2.2	2.4	1.6	6.0	60	11.0	
MS 90S-4	1.1	5.00	2.89	1.67	4.78	2.75	1.59	4.58	2.65	1.53	1400	0.77	75.0	2.2	2.4	1.6	6.0	61	11.7	
MS 90L1-4	1.5	6.45	3.74	2.15	6.17	3.55	2.06	5.92	3.42	1.97	1400	0.79	77.2	2.2	2.4	1.6	6.0	61	14.4	
MS 90L2-4	2.2	8.94	5.18	2.98	8.55	4.92	2.85	8.20	4.74	2.73	1400	0.81	79.7	2.2	2.4	1.5	7.0	63	17.6	
MS 100L1-4	2.2	8.94	5.18	2.98	8.55	4.92	2.85	8.20	4.74	2.73	1420	0.81	79.7	2.2	2.3	1.5	7.0	64	19.2	
MS 100L2-4	3.0	11.8	6.82	3.93	11.3	6.48	3.76	10.8	6.25	3.60	1420	0.82	81.5	2.2	2.3	1.5	7.0	64	22.5	
MS 100L3-4	4.0	15.4	8.92	5.14	14.7	8.47	4.91	14.1	8.17	4.71	1430	0.82	83.1	2.2	2.3	1.5	7.0	65	27.3	

MS系列性能数据

MS Series Technical Data

型号 Model	功率 Power kW	满载 Full Load										功率因数 Power factor Cosφ	效率 Eff %	堵转转矩 倍数 T _{st} /T _n (Times)	最大转矩 倍数 T _{max} /T _n (Times)	最小转矩 倍数 T _{min} /T _n (Times)	堵转电流 倍数 I _{st} /I _n (Times)	噪音 Noise dB(A)	重量 WT (Kg)
		电流 Current (A)			电流 Current (A)			电流 Current (A)			转速 Speed r.p.m								
		220V	380V	660V	230V	400V	690V	240V	415V	720V									
MS 112M-4	4.0	15.4	8.92	5.14	14.7	8.47	4.91	14.1	8.17	4.71	1430	0.82	83.1	2.2	2.2	1.5	7.0	65	29.0
MS 112L-4	5.5	20.5	11.9	6.84	19.6	11.3	6.55	18.8	10.9	6.27	1440	0.83	84.7	2.2	2.2	1.4	7.0	68	35.7
MS 132S-4	5.5	20.5	11.9	6.84	19.6	11.3	6.55	18.8	10.9	6.27	1450	0.83	84.7	2.2	2.2	1.4	7.0	71	39.0
MS 132M-4	7.5	27.2	15.8	9.08	26.1	15.0	8.69	25.0	14.4	8.33	1450	0.84	86.0	2.2	2.2	1.4	7.0	71	48.6
MS 132L1-4	9.2	33.1	19.2	11.0	31.7	18.2	10.6	30.4	17.6	10.1	1460	0.84	86.8	2.2	2.2	1.4	7.5	74	56.5
MS 132L2-4	11	39.2	22.7	13.1	37.5	21.6	12.5	36.0	20.8	12.0	1460	0.84	87.6	2.2	2.2	1.4	7.5	74	64.0
MS 160M-4	11	39.2	22.7	13.1	37.5	21.6	12.5	36.0	20.8	12.0	1460	0.84	87.6	2.2	2.2	1.4	7.0	75	73.0
MS 160L1-4	15	52.2	30.2	17.4	49.9	28.7	16.6	47.9	27.7	16.0	1460	0.85	88.7	2.2	2.2	1.4	7.5	75	88.5
MS 160L2-4	18.5	63.2	36.6	21.1	60.5	34.8	20.2	58.0	33.5	19.3	1460	0.86	89.3	2.2	2.2	1.4	7.5	78	97.5
6极 (6poles)																			
MS 631-6	0.09	0.92	0.53	0.31	0.88	0.51	0.29	0.85	0.49	0.28	840	0.61	42.0	2.0	2.0	1.5	3.5	50	4.2
MS 632-6	0.12	1.13	0.65	0.38	1.08	0.62	0.36	1.03	0.60	0.34	850	0.62	45.0	2.0	2.0	1.5	3.5	50	4.5
MS 711-6	0.18	1.28	0.74	0.43	1.22	0.70	0.41	1.17	0.68	0.39	880	0.66	56.0	1.6	1.7	1.5	4.0	52	5.6
MS 712-6	0.25	1.66	0.96	0.55	1.59	0.91	0.53	1.52	0.88	0.51	900	0.67	59.0	2.1	2.2	1.5	4.0	52	6.0
MS 713-6	0.37	2.31	1.34	0.77	2.21	1.27	0.74	2.11	1.22	0.70	890	0.69	61.0	2.0	2.1	1.5	4.0	54	6.8
MS 801-6	0.37	2.24	1.30	0.75	2.14	1.23	0.71	2.05	1.19	0.68	900	0.70	62.0	1.9	1.9	1.5	4.0	56	8.1
MS 802-6	0.55	2.99	1.73	1.00	2.86	1.65	0.95	2.74	1.59	0.91	900	0.72	67.0	2.0	2.3	1.5	4.0	56	9.6
MS 803-6	0.75	3.91	2.26	1.30	3.74	2.15	1.25	3.58	2.07	1.19	900	0.72	70.0	2.0	2.3	1.5	4.0	58	10.0
MS 90S-6	0.75	3.91	2.26	1.30	3.74	2.15	1.25	3.58	2.07	1.19	920	0.72	70.0	2.2	2.2	1.5	5.5	59	11.3
MS 90L1-6	1.1	5.42	3.14	1.81	5.19	2.98	1.73	4.97	2.88	1.66	925	0.73	72.9	2.2	2.2	1.3	5.5	59	14.4
MS 90L2-6	1.5	6.98	4.04	2.33	6.68	3.84	2.23	6.40	3.70	2.13	925	0.75	75.2	2.2	2.2	1.3	5.5	60	15.5
MS 100L1-6	1.5	6.98	4.04	2.33	6.68	3.84	2.23	6.40	3.70	2.13	945	0.75	75.2	2.2	2.2	1.3	6.0	61	18.8
MS 100L2-6	2.2	9.78	5.66	3.26	9.35	5.38	3.12	8.96	5.18	2.99	950	0.76	77.7	2.2	2.2	1.3	6.0	63	19.8
MS 112M-6	2.2	9.78	5.66	3.26	9.35	5.38	3.12	8.96	5.18	2.99	955	0.76	77.7	2.2	2.2	1.3	6.0	64	25.0
MS 112L-6	3.0	13.0	7.53	4.33	12.4	7.15	4.14	11.9	6.89	3.97	950	0.76	79.7	2.2	2.2	1.3	6.0	64	30.0
MS 132S-6	3.0	13.0	7.53	4.33	12.4	7.15	4.14	11.9	6.89	3.97	960	0.76	79.7	2.0	2.0	1.3	6.5	64	35.0
MS 132M1-6	4.0	17.0	9.82	5.66	16.2	9.33	5.41	15.6	9.00	5.18	960	0.76	81.4	2.0	2.0	1.3	6.5	68	47.6
MS 132M2-6	5.5	22.6	13.1	7.52	21.6	12.4	7.19	20.7	12.0	6.89	960	0.77	83.1	2.0	2.0	1.3	6.5	68	50.7
MS 132L-6	7.5	30.2	17.5	10.1	28.9	16.6	9.62	27.7	16.0	9.22	960	0.77	84.7	2.0	2.0	1.3	6.5	68	47.6
MS 160M-6	7.5	30.2	17.5	10.1	28.9	16.6	9.62	27.7	16.0	9.22	960	0.77	84.7	2.0	2.2	1.3	6.5	68	70.0
MS 160L-6	11	42.8	24.8	14.3	41.0	23.6	13.7	39.3	22.7	13.1	960	0.78	86.4	2.0	2.2	1.2	6.5	73	87.0
8极 (8poles)																			
MS 711-8	0.09	0.88	0.51	0.29	0.84	0.48	0.28	0.81	0.47	0.27	680	0.56	48.0	1.5	1.7	1.3	3.0	50	5.6
MS 712-8	0.12	1.05	0.61	0.35	1.00	0.58	0.33	0.96	0.55	0.32	690	0.59	51.0	1.6	1.7	1.3	2.7	50	6.0
MS 801-8	0.18	1.52	0.88	0.51	1.45	0.84	0.48	1.39	0.80	0.46	680	0.61	51.0	1.5	1.7	1.3	2.8	52	9.4
MS 802-8	0.25	1.92	1.11	0.64	1.84	1.06	0.61	1.76	1.02	0.59	680	0.61	56.0	1.6	2.0	1.3	2.7	52	10.1
MS 90S-8	0.37	2.45	1.42	0.82	2.34	1.35	0.78	2.24	1.30	0.75	680	0.63	63.0	1.6	1.8	1.3	2.8	56	12.5
MS 90L-8	0.55	3.36	1.95	1.12	3.22	1.85	1.07	3.08	1.78	1.03	680	0.65	66.0	1.6	1.8	1.3	3.0	56	15.3
MS 100L1-8	0.75	4.45	2.58	1.48	4.26	2.45	1.42	4.08	2.36	1.36	710	0.67	66.0	1.7	2.1	1.3	3.5	59	17.2
MS 100L2-8	1.1	5.90	3.41	1.97	5.64	3.24	1.88	5.40	3.13	1.80	710	0.68	72.0	1.7	2.1	1.2	3.5	59	19.5
MS 112M-8	1.5	7.71	4.46	2.57	7.37	4.24	2.46	7.07	4.09	2.36	710	0.69	74.0	1.8	2.1	1.2	4.2	61	25.5
MS 132S-8	2.2	10.8	6.28	3.61	10.4	5.96	3.46	9.94	5.75	3.31	720	0.71	75.0	2.0	2.0	1.2	5.5	64	34.2
MS 132M-8	3.0	14.0	8.11	4.67	13.4	7.70	4.47	12.8	7.43	4.28	720	0.73	77.0	2.0	2.0	1.2	5.5	64	40.0
MS 160M1-8	4.0	18.0	10.4	5.99	17.2	9.89	5.73	16.5	9.53	5.49	730	0.73	80.0	1.9	2.1	1.2	6.0	68	59.0
MS 160M2-8	5.5	23.4	13.5	7.79	22.3	12.8	7.45	21.4	12.4	7.14	720	0.74	83.5	2.0	2.2	1.2	6.0	68	69.0
MS 160L-8	7.5	30.9	17.9	10.3	29.5	17.0	9.84	28.3	16.4	9.43	720	0.75	85.0	1.9	2.2	1.2	6.0	68	87.0

MS(IE2) 系列性能数据

MS(IE2) Series Technical Data (400V/50Hz)

型号 Model	输出功率 Output kW	满载 Full Load							堵转转矩倍数 Tst/Tn (Times)	最大转矩倍数 Tmax/Tn (Times)	堵转电流倍数 Ist/In (Times)
		电流Current(A)		电流Current(A)		转速 Speed (r.p.m)	功率因数 Power Factor (Cosφ)	效率Eff (%)			
		220V	380V	230V	400V						
MS(IE2) 801-2	0.75	3.06	1.77	2.93	1.69	2840	0.83	77.4	2.2	2.3	6.8
MS(IE2) 802-2	1.1	4.37	2.53	4.18	2.40	2850	0.83	79.6	2.2	2.3	7.3
MS(IE2) 90S-2	1.5	5.76	3.34	5.51	3.17	2850	0.84	81.3	2.2	2.3	7.6
MS(IE2) 90L-2	2.2	8.16	4.73	7.81	4.49	2860	0.85	83.2	2.2	2.3	7.8
MS(IE2) 100L-2	3.0	10.7	6.19	10.2	5.88	2880	0.87	84.6	2.2	2.3	8.1
MS(IE2) 112M-2	4.0	13.9	8.05	13.3	7.65	2880	0.88	85.8	2.2	2.3	8.3
MS(IE2) 132S1-2	5.5	18.9	10.9	18.0	10.4	2915	0.88	87.0	2.2	2.3	8.0
MS(IE2) 132S2-2	7.5	25.1	14.5	24.0	13.8	2915	0.89	88.1	2.2	2.3	7.8
MS(IE2) 160M1-2	11	36.3	21.0	34.7	20.0	2940	0.89	89.4	2.2	2.3	7.9
MS(IE2) 160M2-2	15	49.0	28.4	46.9	26.9	2935	0.89	90.3	2.2	2.3	8.0
MS(IE2) 160L-2	18.5	60.0	34.7	57.4	33.0	2940	0.89	90.9	2.2	2.3	8.1
MS(IE2) 802-4	0.75	3.30	1.91	3.15	1.81	1410	0.75	79.6	2.3	2.3	6.5
MS(IE2) 90S-4	1.1	4.73	2.74	4.52	2.60	1420	0.75	81.4	2.3	2.3	6.6
MS(IE2) 90L-4	1.5	6.34	3.67	6.06	3.49	1420	0.75	82.8	2.3	2.3	6.9
MS(IE2) 100L1-4	2.2	8.67	5.02	8.29	4.77	1440	0.79	84.3	2.3	2.3	7.5
MS(IE2) 100L2-4	3.0	11.5	6.66	11.0	6.33	1440	0.80	85.5	2.3	2.3	7.6
MS(IE2) 112M-4	4.0	15.2	8.77	14.5	8.33	1440	0.80	86.6	2.3	2.3	7.7
MS(IE2) 132S-4	5.5	20.1	11.6	19.2	11.0	1450	0.82	87.7	2.3	2.3	7.5
MS(IE2) 132M-4	7.5	26.7	15.5	25.6	14.7	1450	0.83	88.7	2.3	2.3	7.4
MS(IE2) 160M-4	11	38.3	22.2	36.6	21.0	1465	0.84	89.8	2.2	2.3	7.5
MS(IE2) 160L-4	15	51.1	29.6	48.9	28.1	1460	0.85	90.6	2.2	2.3	7.5
MS(IE2) 90S-6	0.75	3.60	2.09	3.45	1.98	925	0.72	75.9	2.0	2.1	5.8
MS(IE2) 90L-6	1.1	5.06	2.93	4.84	2.78	930	0.73	78.1	2.0	2.1	5.9
MS(IE2) 100L-6	1.5	6.67	3.86	6.38	3.67	940	0.74	79.8	2.0	2.1	6.0
MS(IE2) 112M-6	2.2	9.54	5.52	9.12	5.25	950	0.74	81.8	2.0	2.1	6.0
MS(IE2) 132S-6	3.0	12.8	7.39	12.2	7.02	960	0.74	83.3	2.1	2.1	6.2
MS(IE2) 132M1-6	4.0	16.8	9.71	16.0	9.22	965	0.74	84.6	2.1	2.1	6.8
MS(IE2) 132M2-6	5.5	22.4	13.0	21.4	12.3	965	0.75	86.0	2.1	2.1	7.1
MS(IE2) 160M-6	7.5	28.9	16.8	27.7	15.9	965	0.78	87.2	2.0	2.1	6.7
MS(IE2) 160L-6	11	41.7	24.2	39.9	22.9	965	0.78	88.7	2.0	2.1	6.9



YVP 系列变频电动机

YVP Series Convertor - Fed 3-Phase Induction Motor

总体介绍

YVP 系列电动机是经过特殊设计的与异步变频器配套使用的交流变频无级调速电机，可在变频电源下工作。

该系列电机的变频范围详见参数列表，在基频以下为恒转矩变频调速运行，在基频以上为恒功率变频调速运行。电机安装独立的风扇冷却装置，使电机在不同转速下均有较好的冷却效果。

该系列电机适用于风机、水泵、液压站、塑料机械、造纸机械、橡胶机械等需要无级调速的场合，效率和控制精度高。

技术特性

- 机座号：H80~H355
- 额定功率：0.55kW~315kW(50Hz)
- 外壳材料：机座和法兰、端盖为灰铸铁
接线盒为钢板，可选配灰铸铁
- 标准颜色：荷叶绿
- 标准安装结构形式：IEC60034-7
- 标准防护等级：IP54、IP55(IEC60034-5)
- 绝缘等级：F
- 冷却方式：IC416
- 特定绕组设计可支持多种电压（50Hz或60Hz）
- 可选配编码器，带编码器时启动更平稳、控制更精确
- 大功率电机建议选配绝缘轴承
- 可选配防潮加热器（空间加热器）
- 可选配PTC或Pt100热敏电阻进行绕组和轴承热保护

General Information

YVP series motor is a special designed AC convert stepless speed regulaton motor which compatible with asynchronous converter, it can operating under variable-frequency power sources.

The frequency range refer to parameter list. Below the standard frequency the motor is operating in constant torque frequency conversion. Above the standard frequency the motor is operating in constant power frequency conversion . The motor equiped with a independant fan cooling system, which ensure the nice cooling effect under different speed.

This series motor carrys merit of high efficiency & high control accuracy, is widely used in air blower, water pump, The hydraulic pressure stands, macplas, papermaking machinery, rubber machinery and some other place where the stepless speed regulation is need.

Features

- Frame Size Range: H80~H355
- Rated Power Range: 0.55KW~315KW (50Hz)
- Housing Material: Frame, flange and bracket - grey cast iron; conduit box-steel (grey cast iron is available)
- Standard Color: Lotus leaf green
- Standard Mounding Construction: IEC60034-7
- Protected Enclosed Class: IP54, IP55 (IEC60034-5)
- Insulation Class: F
- Cooling Method: IC416
- The special winding design can work for multi-voltages (50Hz or 60Hz)
- Encoder is available as request. The motor with encoder will be more smooth, and more precise control when starting.
- We suggest to use insulation bearings for the large power motors.
- Anti-condensation heater is available. (space heater)
- PTC or Pt100 thermistor are available to protect the winding and bearing.

轴承型号

Bearing Specifications

机座号 Frame Size	极数 Poles	驱动端轴承 Drive-end Bearing	非驱动端轴承 Non-drive-end Bearing
YVP80	2、4、6、8	6204 ZZ	6204 ZZ
YVP90	2、4、6、8	6205 ZZ	6205 ZZ
YVP100	2、4、6、8	6206 ZZ	6206 ZZ
YVP112	2、4、6、8	6206 ZZ	6206 ZZ
YVP132	2、4、6、8	6208 ZZ	6208 ZZ
YVP-160	2	6209 C3	6209 C3
	4、6、8	6309 C3	6209 C3
YVP180	2	6211 C3	6211 C3
	4、6、8	6311 C3	6211 C3
YVP200	2	6212 C3	6212 C3
	4、6、8	6312 C3	6212 C3
YVP225	2	6312 C3	6312 C3
	4、6、8	6313 C3	6312 C3
YVP250	2	6313 C3	6313 C3
	4、6、8	6314 C3	6313 C3
YVP280	2	6314 C3	6314 C3
	4、6、8	6317 C3	6314 C3
YVP315	2	6317 C3	6317 C3
	4、6、8	NU319	6319 C3
YVP355	2	6319 C3	6319 C3
	4、6、8	NU322	6322 C3

性能数据(电压380V , 基频50Hz)

Technical Data(380V, 50Hz)

型号 Model	功率 kW	额定电流 Rated Current A	额定转矩 Rated Torque N.m	堵转转矩 Locked Torque 额定转矩 Rated Torque	最小转矩 Min Torque 额定转矩 Rated Torque	最大转矩 Max. Torque 额定转矩 Rated Torque	堵转电流 Locked Current 额定电流 Rated Current	变频范围 Frequency Converting Scope Hz
2极 (2Poles)								
YVP80M1-2	0.75	1.8	2.4	2.2	1.5	2.3	6.1	5~60
YVP80M2-2	1.1	2.5	3.5	2.2	1.5	2.3	7.0	5~60
YVP90S-2	1.5	3.4	4.7	2.2	1.5	2.3	7.0	5~60
YVP90L-2	2.2	4.7	7.0	2.2	1.4	2.3	7.0	5~60
YVP100L-2	3	6.4	9.5	2.2	1.4	2.3	7.5	5~60
YVP112M-2	4	8.2	12.7	2.2	1.4	2.3	7.5	5~60
YVP132S1-2	5.5	11.1	17.5	2.0	1.2	2.3	7.5	5~60
YVP132S2-2	7.5	15.0	23.9	2.0	1.2	2.3	7.5	5~60
YVP160M1-2	11	21.8	35.0	2.0	1.2	2.3	7.5	5~60
YVP160M2-2	15	29.4	47.7	2.0	1.2	2.3	7.5	5~60
YVP160L-2	18.5	35.5	58.9	2.0	1.1	2.2	7.5	5~60
YVP180M-2	22	42.2	70.0	2.0	1.1	2.2	7.5	5~60
YVP200L1-2	30	56.9	95.5	2.0	1.1	2.2	7.5	5~60
YVP200L2-2	37	69.8	117.8	2.0	1.1	2.2	7.5	5~60
YVP225M-2	45	83.9	143.3	2.0	1.0	2.2	7.5	5~60
YVP250M-2	55	101	175.1	2.0	1.0	2.2	7.5	3~60
YVP280S-2	75	136	238.7	2.0	0.9	2.2	7.5	3~60
YVP280M-2	90	160.2	286.5	2.0	0.9	2.2	7.5	3~60
YVP315S-2	110	195.4	350.1	1.8	0.9	2.2	7.1	3~60
YVP315M-2	132	233.2	420.2	1.8	0.9	2.2	7.1	3~60
YVP315L1-2	160	279.3	509.3	1.8	0.9	2.2	7.1	3~60
YVP315L2-2	200	347.4	636.6	1.8	0.8	2.2	7.1	3~60
YVP355M1-2	220	379	700.3	1.2	0.71	2.2	7.1	3~60
YVP355M2-2	250	432	795.8	1.2	0.71	2.2	7.1	3~60
YVP355L1-2	280	482	891.3	1.2	0.71	2.2	7.1	3~60
YVP355L2-2	315	543	1002.7	1.2	0.71	2.2	7.1	3~60
4极 (4Poles)								
YVP80M1-4	0.55	1.5	3.5	2.4	1.7	2.3	5.2	5~100
YVP80M2-4	0.75	2.0	4.7	2.4	1.7	2.3	6.0	5~100
YVP90S-4	1.1	2.7	7.0	2.4	1.7	2.3	6.0	5~100
YVP90L-4	1.5	3.7	9.5	2.3	1.6	2.3	6.0	5~100
YVP100L1-4	2.2	5.0	14.0	2.3	1.6	2.3	7.0	5~100
YVP100L2-4	3	6.8	19.0	2.3	1.6	2.3	7.0	5~100
YVP112M-4	4	8.8	25.4	2.2	1.5	2.3	7.0	5~100

性能数据 (电压380V , 基频50Hz)

Technical Data(380V, 50Hz)

型号 Model	功率 kW	额定电流 Rated Current A	额定转矩 Rated Torque N.m	堵转转矩 Locked Torque 额定转矩 Rated Torque	最小转矩 Min Torque 额定转矩 Rated Torque	最大转矩 Max. Torque 额定转矩 Rated Torque	堵转电流 Locked Current 额定电流 Rated Current	变频范围 Frequency Converting Scope Hz
YVP132S-4	5.5	11.6	35.0	2.2	1.4	2.3	7.0	5~100
YVP132M-4	7.5	15.4	47.7	2.2	1.4	2.3	7.0	5~100
YVP160M-4	11	22.6	70.0	2.2	1.4	2.3	7.0	5~100
YVP160L-4	15	30.3	95.5	2.2	1.4	2.3	7.5	5~100
YVP180M-4	18.5	35.9	117.7	2.0	1.2	2.2	7.5	5~100
YVP180L-4	22	42.5	140.1	2.0	1.2	2.2	7.5	5~100
YVP200L-4	30	56.8	191.0	2.0	1.2	2.2	7.2	5~100
YVP225S-4	37	70.4	235.5	1.9	1.2	2.2	7.2	5~100
YVP225M-4	45	84.2	286.5	1.9	1.1	2.2	7.2	5~100
YVP250M-4	55	103	350.1	2.0	1.1	2.2	7.2	3~100
YVP280S-4	75	139.6	477.5	1.9	1.0	2.2	7.2	3~100
YVP280M-4	90	166.9	573.0	1.9	1.0	2.2	7.2	3~100
YVP315S-4	110	201	700.3	1.8	1.0	2.2	6.9	3~100
YVP315M-4	132	240.4	840.4	1.8	1.0	2.2	6.9	3~100
YVP315L1-4	160	287.8	1018.5	1.8	1.0	2.2	6.9	3~100
YVP315L2-4	200	358.6	1273.2	1.8	0.9	2.2	6.9	3~100
YVP355M1-4	220	385	1400.6	1.4	0.83	2.2	6.9	3~100
YVP355M2-4	250	436	1591.6	1.4	0.83	2.2	6.9	3~100
YVP355L1-4	280	488	1782.6	1.4	0.71	2.2	6.9	3~100
YVP355L2-4	315	547	2005.5	1.4	0.71	2.2	6.9	3~100
6极 (6Poles)								
YVP90S-6	0.75	2.3	7.1	2.0	1.5	2.2	5.5	5~100
YVP90L-6	1.1	3.2	10.5	2.0	1.3	2.2	5.5	5~100
YVP100L-6	1.5	4.0	14.3	2.0	1.3	2.2	5.5	5~100
YVP112M-6	2.2	5.6	21.0	2.0	1.3	2.2	6.5	5~100
YVP132S-6	3	7.2	28.6	2.0	1.3	2.2	6.5	5~100
YVP132M1-6	4	9.4	38.2	2.0	1.3	2.2	6.5	5~100
YVP132M2-6	5.5	12.6	52.5	2.0	1.3	2.2	6.5	5~100
YVP160M-6	7.5	17.0	71.6	2.0	1.3	2.2	6.5	5~100
YVP160L-6	11	24.6	105.1	2.0	1.2	2.2	6.5	5~100
YVP180L-6	15	31.4	143.2	2.1	1.2	2.2	7.0	5~100
YVP200L1-6	18.5	37.7	176.6	2.1	1.2	2.0	7.0	5~100
YVP200L2-6	22	44.6	210.1	2.1	1.2	2.0	7.0	5~100
YVP225M-6	30	59.5	286.5	1.7	1.2	2.0	7.0	5~100
YVP250M-6	37	71	353.3	1.8	1.2	2.0	7.0	5~100
YVP280S-6	45	85.9	428.7	1.8	1.1	2.0	7.0	5~100
YVP280M-6	55	104.7	525.2	1.8	1.1	2.0	7.0	3~100

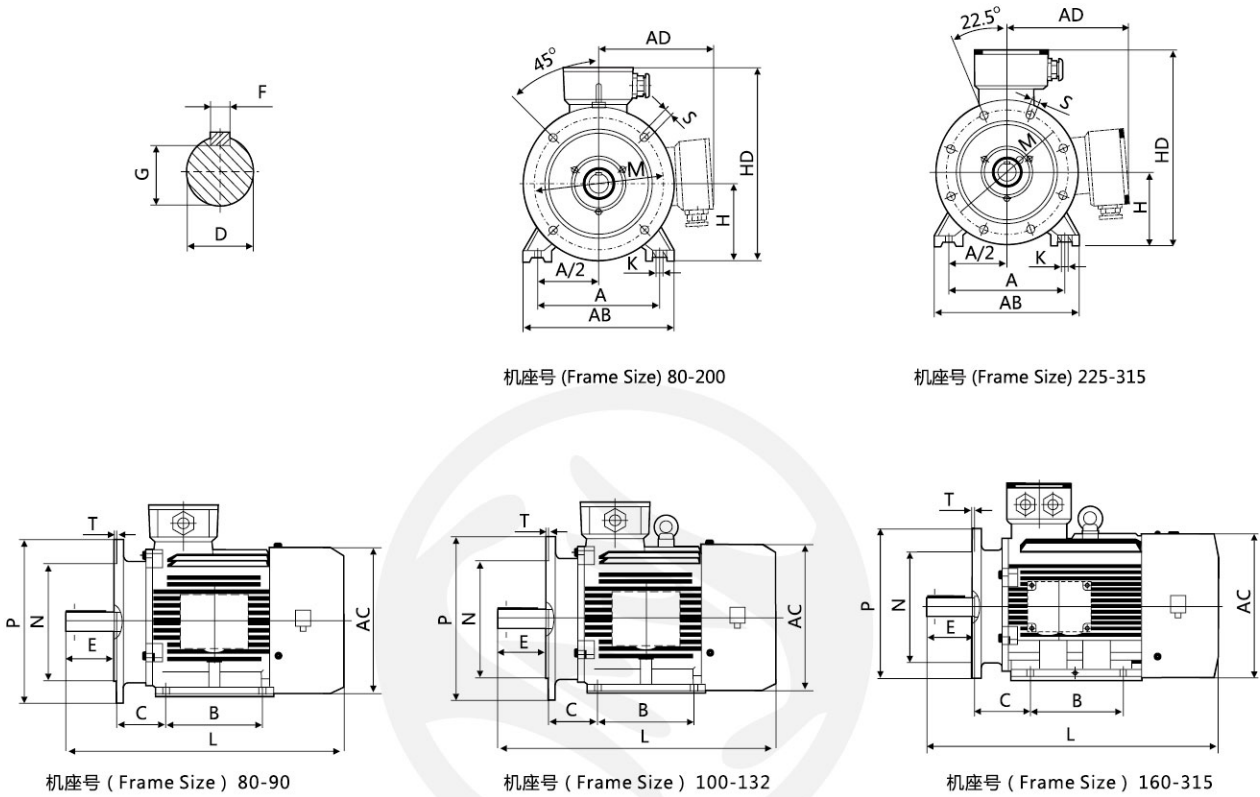
性能数据 (电压380V , 基频50Hz)

Technical Data(380V, 50Hz)

型号 Model	功率 Power kW	额定电流 Rated Current A	额定转矩 Rated Torque N.m	堵转转矩 Locked Torque 额定转矩 Rated Torque	最小转矩 Min Torque 额定转矩 Rated Torque	最大转矩 Max. Torque 额定转矩 Rated Torque	堵转电流 Locked Current 额定电流 Rated Current	变频范围 Frequency Converting Scope Hz
YVP315S-6	75	141.7	716.6	1.6	1.0	2.0	7.0	3~100
YVP315M-6	90	169.5	859.5	1.6	1.0	2.0	7.0	3~100
YVP315L1-6	110	206.7	1050.5	1.6	1.0	2.0	6.7	3~100
YVP315L2-6	132	244.7	1260.6	1.6	1.0	2.0	6.7	3~100
YVP355M1-6	160	300	1528.0	1.3	0.95	2.0	6.7	3~100
YVP355M2-6	185	346	1766.7	1.3	0.83	2.0	6.7	3~100
YVP355M3-6	200	374	1910.0	1.3	0.83	2.0	6.7	3~100
YVP355L1-6	220	409	2101.0	1.3	0.83	2.0	6.7	3~100
YVP355L2-6	250	445	2388.5	1.3	0.83	2.0	6.7	3~100
8极 (8Poles)								
YVP132S-8	2.2	6.0	28.0	7.5	1.2	2.0	6.0	5~100
YVP132M-8	3	7.9	38.2	7.5	1.2	2.0	6.0	5~100
YVP160M1-8	4	10.3	50.9	7.5	1.2	2.0	6.0	5~100
YVP160M2-8	5.5	13.6	70.0	7.5	1.2	2.0	6.0	5~100
YVP160L-8	7.5	17.9	95.5	7.5	1.2	2.0	6.0	5~100
YVP180L-8	11	25.3	140.0	1.8	1.1	2.0	6.6	5~100
YVP200L-8	15	34.1	191.0	1.7	1.1	2.0	6.6	5~100
YVP225S-8	18.5	41.3	235.5	1.7	1.1	2.0	6.6	5~100
YVP225M-8	22	47.6	280.1	1.8	1.1	2.0	6.6	5~100
YVP250M-8	30	64	382.0	1.8	1.1	2.0	6.6	5~100
YVP280S-8	37	77.8	471.1	1.8	1.1	2.0	6.6	5~100
YVP280M-8	45	94	573.0	1.8	1.0	2.0	6.6	5~100
YVP315S-8	55	111.2	700.3	1.6	1.0	2.0	6.6	3~100
YVP315M-8	75	151.3	955.0	1.6	0.9	2.0	6.6	3~100
YVP315L1-8	90	177.8	1146.0	1.6	0.9	2.0	6.6	3~100
YVP315L2-8	110	216.8	1400.6	1.6	0.9	2.0	6.4	3~100
YVP355M1-8	132	260	1680.8	1.3	0.83	2.0	6.4	3~100
YVP355M2-8	160	310	2037.3	1.3	0.83	2.0	6.4	3~100
YVP355L1-8	185	357	2355.6	1.3	0.83	2.0	6.4	3~100
YVP355L2-8	200	386	2546.6	1.3	0.83	2.0	6.4	3~100
10极 (10Poles)								
YVP315S-10	45	99.6	716.2	1.4	0.8	2.0	6.2	5~100
YVP315M-10	55	121.1	875.4	1.4	0.8	2.0	6.2	3~100
YVP315L1-10	75	162.1	1193.7	1.4	0.8	2.0	6.2	3~100
YVP315L2-10	90	191	1432.5	1.2	0.71	2.0	6.2	3~100
YVP355M1-10	110	230	1750.8	1.2	0.71	2.0	6.0	3~100
YVP355M2-10	132	275	2101.0	1.2	0.71	2.0	6.0	3~100
YVP355L-10	160	333	2546.6	1.2	0.71	2.0	6.0	3~100

图为B35安装方式图例，机座带底脚，端盖上有凸缘 (法兰)。
B3安装方式，机座带底脚，端盖无凸缘，不含P、N、T、M、S尺寸。
B5安装方式，机座无底脚，端盖上有凸缘，不含A、AB、A/2、K、B、C尺寸。

Figure is B35 mounting method.
B35 is with feet and flange.
B3 is with feet and without flange. Not including dimensions of P、N、T、M、S.
B5 is without feet and with flange. Not including dimensions of A、AB、A/2、K、B、C.



外形及安装尺寸

Outline and Mounting Dimensions

机座号 Frame Size	极数 Poles No.	安装尺寸 Mounting Dimension																	外形尺寸 Outline Dimension					
		A	A/2	B	C	D	E	F	G	H	K	M	N	P	R	S	T	凸缘孔数 Holes No.	AB	AC	AD	HD	L	
YVP80M	2, 4	125	62.5	100	50 ±1.5	19 ^{+0.009 -0.004}	40 ±0.31	6 ⁰	15.5 ⁰	80 ⁰	10 ^{+0.036 -0.011}	165	130 ^{+0.014 -0.011}	200	0 ±1.5	12 ^{+0.43 0}	φ10 ^{3.5}	0 ^{-0.12}	4	165	175	145	175	350
YVP90S	2, 4, 6	140	70	100	56 ±1.5	24 ^{+0.009 -0.004}	50 ±0.31	8 ⁰	20 ⁰	90 ⁰	10 ^{+0.036 0}	165	130 ^{+0.014 -0.011}	200	0 ±1.5	12 ^{+0.43 0}	φ10 ^{3.5}	0 ^{-0.12}	4	180	195	155	195	390
YVP90L	2, 4, 6	140	70	125	56 ±1.5	24 ^{+0.009 -0.004}	50 ±0.31	8 ⁰	20 ⁰	90 ⁰	10 ^{+0.036 0}	165	130 ^{+0.014 -0.011}	200	0 ±1.5	12 ^{+0.43 0}	φ10 ^{3.5}	0 ^{-0.12}	4	180	195	155	195	410
YVP100L	2, 4, 6	160	80	140	63 ±2.0	28 ^{+0.009 -0.004}	60 ±0.37	8 ⁰	24 ⁰	100 ⁰	12 ^{+0.43 0}	215	180 ^{+0.014 -0.011}	250	0 ±2.0	14.5 ^{+0.43 0}	φ12 ⁴	0 ^{-0.12}	4	205	215	180	245	455
YVP112M	2, 4, 6	190	95	140	70 ±2.0	28 ^{+0.009 -0.004}	60 ±0.37	8 ⁰	24 ⁰	112 ⁰	12 ^{+0.43 0}	215	180 ^{+0.014 -0.011}	250	0 ±2.0	14.5 ^{+0.43 0}	φ12 ⁴	0 ^{-0.12}	4	245	240	190	265	480
YVP132S	2, 4, 6, 8	216	108	140	89 ±2.0	38 ^{+0.018 -0.002}	80 ±0.37	10 ⁰	33 ⁰	132 ⁰	12 ^{+0.43 0}	265	230 ^{+0.016 -0.013}	300	0 ±2.0	14.5 ^{+0.43 0}	φ12 ⁴	0 ^{-0.12}	4	280	275	210	315	530
YVP132M	2, 4, 6, 8	216	108	178	89 ±2.0	38 ^{+0.018 -0.002}	80 ±0.37	10 ⁰	33 ⁰	132 ⁰	12 ^{+0.43 0}	265	230 ^{+0.016 -0.013}	300	0 ±2.0	14.5 ^{+0.43 0}	φ12 ⁴	0 ^{-0.12}	4	280	275	210	315	570
YVP160M	2, 4, 6, 8	254	127	210	108 ±3.0	42 ^{+0.018 -0.002}	110 ±0.43	12 ⁰	37 ⁰	160 ⁰	14.5 ^{+0.43 0}	300	250 ^{+0.016 -0.013}	350	0 ±3.0	18.5 ^{+0.52 0}	φ12 ⁵	0 ^{-0.12}	4	330	335	265	385	655
YVP160L	2, 4, 6, 8	254	127	254	108 ±3.0	42 ^{+0.018 -0.002}	110 ±0.43	12 ⁰	37 ⁰	160 ⁰	14.5 ^{+0.43 0}	300	250 ^{+0.016 -0.013}	350	0 ±3.0	18.5 ^{+0.52 0}	φ12 ⁵	0 ^{-0.12}	4	330	335	165	385	700
YVP180M	2, 4, 6, 8	279	139.5	241	121 ±3.0	48 ^{+0.018 -0.002}	110 ±0.43	14 ⁰	42.5 ⁰	180 ⁰	14.5 ^{+0.43 0}	300	250 ^{+0.016 -0.013}	350	0 ±3.0	18.5 ^{+0.52 0}	φ12 ⁵	0 ^{-0.12}	4	355	380	285	430	725
YVP180L	2, 4, 6, 8	279	139.5	279	121 ±3.0	48 ^{+0.018 -0.002}	110 ±0.43	14 ⁰	42.5 ⁰	180 ⁰	14.5 ^{+0.43 0}	300	250 ^{+0.016 -0.013}	350	0 ±3.0	18.5 ^{+0.52 0}	φ12 ⁵	0 ^{-0.12}	4	355	380	285	430	765
YVP200L	2, 4, 6, 8	318	159	305	133 ±3.0	55 ^{+0.030 -0.011}	110 ±0.43	16 ⁰	49 ⁰	200 ⁰	18.5 ^{+0.52 0}	350	300 ^{+0.016 0}	400	0 ±3.0	18.5 ^{+0.52 0}	φ12 ⁵	0 ^{-0.12}	4	395	420	315	475	850
YVP225S	4, 8	356	406	286	149 ±4.0	60 ^{+0.030 -0.011}	140 ±0.50	18 ⁰	53 ⁰	225 ⁰	18.5 ^{+0.52 0}	400	350 ^{+0.018 0}	450	0 ±4.0	18.5 ^{+0.52 0}	φ12 ⁵	0 ^{-0.12}	8	435	475	345	530	900
YVP225M	2	356	406	311	149 ±4.0	55 ^{+0.030 -0.011}	110 ±0.43	16 ⁰	49 ⁰	225 ⁰	18.5 ^{+0.52 0}	400	350 ^{+0.018 0}	450	0 ±4.0	18.5 ^{+0.52 0}	φ12 ⁵	0 ^{-0.12}	8	435	475	345	530	915
	4, 6, 8	356	406	311	149 ±4.0	60 ^{+0.030 -0.011}	140 ±0.50	18 ⁰	53 ⁰	225 ⁰	18.5 ^{+0.52 0}	400	350 ^{+0.018 0}	450	0 ±4.0	18.5 ^{+0.52 0}	φ12 ⁵	0 ^{-0.12}	8	435	475	345	530	930
YVP250M	2	406	203	349	168 ±4.0	60 ^{+0.030 -0.011}	140 ±0.50	18 ⁰	53 ⁰	250 ⁰	24 ^{+0.52 0}	500	450 ^{+0.020 0}	550	0 ±4.0	18.5 ^{+0.52 0}	φ12 ⁵	0 ^{-0.12}	8	490	515	385	575	1015
	4, 6, 8	406	203	349	168 ±4.0	65 ^{+0.030 -0.011}	140 ±0.50	18 ⁰	58 ⁰	250 ⁰	24 ^{+0.52 0}	500	450 ^{+0.020 0}	550	0 ±4.0	18.5 ^{+0.52 0}	φ12 ⁵	0 ^{-0.12}	8	490	515	385	575	1015
YVP280S	2	457	228.5	368	190 ±4.0	65 ^{+0.030 -0.011}	140 ±0.50	18 ⁰	58 ⁰	280 ⁰	24 ^{+0.52 0}	500	450 ^{+0.020 0}	550	0 ±4.0	18.5 ^{+0.52 0}	φ12 ⁵	0 ^{-0.12}	8	550	580	410	640	1130
	4, 6, 8	457	228.5	368	190 ±4.0	75 ^{+0.030 -0.011}	140 ±0.50	20 ⁰	67.5 ⁰	280 ⁰	24 ^{+0.52 0}	500	450 ^{+0.020 0}	550	0 ±4.0	18.5 ^{+0.52 0}	φ12 ⁵	0 ^{-0.12}	8	550	580	410	640	1130
YVP280M	2	457	228.5	419	190 ±4.0	65 ^{+0.030 -0.011}	140 ±0.50	18 ⁰	58 ⁰	280 ⁰	24 ^{+0.52 0}	500	450 ^{+0.020 0}	550	0 ±4.0	18.5 ^{+0.52 0}	φ12 ⁵	0 ^{-0.12}	8	550	580	410	640	1180
	4, 6, 8	457	228.5	419	190 ±4.0	75 ^{+0.030 -0.011}	140 ±0.50	20 ⁰	67.5 ⁰	280 ⁰	24 ^{+0.52 0}	500	450 ^{+0.020 0}	550	0 ±4.0	18.5 ^{+0.52 0}	φ12 ⁵	0 ^{-0.12}	8	550	580	410	640	1180
YVP315S	2	508	254	406	216 ±4.0	65 ^{+0.030 -0.011}	140 ±0.50	18 ⁰	58 ⁰	315 ⁰	28 ^{+0.52 0}	600	550 ^{+0.022 0}	660	0 ±4.0	24 ^{+0.52 0}	φ12 ⁶	0 ^{-0.15}	8	635	645	576	865	1340
	4, 6, 8, 10	508	254	406	216 ±4.0	80 ^{+0.030 -0.011}	170 ±0.50	22 ⁰	71 ⁰	315 ⁰	28 ^{+0.52 0}	600	550 ^{+0.022 0}	660	0 ±4.0	24 ^{+0.52 0}	φ12 ⁶	0 ^{-0.15}	8	635	645	576	865	1370
YVP315M	2	508	254	457	216 ±4.0	65 ^{+0.030 -0.011}	140 ±0.50	18 ⁰	58 ⁰	315 ⁰	28 ^{+0.52 0}	600	550 ^{+0.022 0}	660	0 ±4.0	24 ^{+0.52 0}	φ12 ⁶	0 ^{-0.15}	8	635	645	576	865	1410
	4, 6, 8, 10	508	254	457	216 ±4.0	80 ^{+0.030 -0.011}	170 ±0.50	22 ⁰	71 ⁰	315 ⁰	28 ^{+0.52 0}	600	550 ^{+0.022 0}	660	0 ±4.0	24 ^{+0.52 0}	φ12 ⁶	0 ^{-0.15}	8	635	645	576	865	1455
YVP315L	2	508	254	508	216 ±4.0	65 ^{+0.030 -0.011}	140 ±0.50	18 ⁰	58 ⁰	315 ⁰	28 ^{+0.52 0}	600	550 ^{+0.022 0}	660	0 ±4.0	24 ^{+0.52 0}	φ12 ⁶	0 ^{-0.15}	8	635	645	576	865	1410
	4, 6, 8, 10	508	254	508	216 ±4.0	80 ^{+0.030 -0.011}	170 ±0.50	22 ⁰	71 ⁰	315 ⁰	28 ^{+0.52 0}	600	550 ^{+0.022 0}	660	0 ±4.0	24 ^{+0.52 0}	φ12 ⁶	0 ^{-0.15}	8	635	645	576	865	1455
YVP355M	2	610	305	560	254 ±4.0	75 ^{+0.030 -0.011}	140 ±0.50	20 ⁰	67.5 ⁰	355 ⁰	28 ^{+0.52 0}	740	680 ^{+0.025 0}	800	0 ±4.0	24 ^{+0.52 0}	φ12 ⁶	0 ^{-0.15}	8	740	750	680	1035	1640
	4, 6, 8, 10	610	305	560	254 ±4.0	95 ^{+0.033 +0.013}	170 ±0.50	25 ⁰	86 ⁰	355 ⁰	28 ^{+0.52 0}	740	680 ^{+0.025 0}	800	0 ±4.0	24 ^{+0.52 0}	φ12 ⁶	0 ^{-0.15}	8	740	750	680	1035	1670
YVP355L	2	610	305	630	254 ±4.0	75 ^{+0.033 +0.013}	140 ±0.50	20 ⁰	67.5 ⁰	355 ⁰	28 ^{+0.52 0}	740	680 ^{+0.025 0}	800	0 ±4.0	24 ^{+0.52 0}	φ12 ⁶	0 ^{-0.15}	8	740	750	680	1035	1640
	4, 6, 8, 10	610	305	630	254 ±4.0	95 ^{+0.033 +0.013}	170 ±0.50	25 ⁰	86 ⁰	355 ⁰	28 ^{+0.52 0}	740	680 ^{+0.025 0}	800	0 ±4.0	24 ^{+0.52 0}	φ12 ⁶	0 ^{-0.15}	8	740	750	680	1035	1670

注：R 尺寸为凸缘配合面至轴伸肩的距离。

Note: R is the distance from the matching surface of flange to the shoulder of shaft extension.



AEEF 系列电动机

AEEF Series Three-phase Induction Motor

AEEF 系列电机是全封闭自扇冷却式三相异步电动机，外观经过特殊设计更加美观，设计要求符合 IEC、GB 等相关标准的要求。

AEEF series motors are 3 phase asynchronous motors with totally enclosed fan cooled. After the special design, it is more beautiful. It is in according with IEC, GB etc concerning standard and requests.

AEEF 系列电机技术特性

- 机座号：H63~H225
- 额定功率：0.185kW~55kW(50Hz)
- 外壳材料：机座和法兰、端盖为灰铸铁，接线盒为钢板
- 标准颜色：湖蓝
- 标准安装结构形式：B3、V1、B5、B35
- 绝缘等级：F
- 防护等级：IP44/IP54(IEC60034-5)
- 冷却方式：IC411 (IEC60034-6)
- 2、4、6 极达到 IEC60034-30 标准的 IE1 效率等级要求，并能在频率范围为 30~60Hz 条件下运行。
- 特定绕组设计可支持多种电压（50Hz 或 60Hz）
- 接线方式：3kW 及以下采用星形接法，4kW 及以上采用三角形接法，亦可根据客户要求设计制造。
- 工作制：S1
- 环境温度：-15℃~40℃
- 海拔：小于 1000m

Features of AEEF series

- Frame Size Range: H63~H225
- Rated Power Range: 0.185KW~55KW (50Hz)
- Housing Material: Frame, flange and bracket - grey cast iron; conduit box-steel
- Standard Color: lake blue
- Standard Mounting Construction: B3, V1, B5, B35
- Insulation Class: F
- Protection Class: IP44/IP54 (IEC60034-5)
- Cooling Method: IC411 (IEC60034-6)
- 2P, 4P, 6P motors meet with Efficiency IE1 according to Standard IEC60034-30.
- The special winding design can work for multi-voltages (50Hz or 60Hz)
- Connecting Method: ≤3kw adapt Y, ≥4kw adapt Δ, also can be done according to the special request.
- Duty: S1
- Ambient Temperature: -15℃~40℃
- Altitude: ≤1000m

轴承型号

Bearing Specifications

机座号 Frame Size	驱动端轴承 Drive-end Bearing	非驱动端轴承 Non-drive-end Bearing
80	6204ZZ	6204ZZ
90 S	6205ZZ	6205ZZ
90 L	6205ZZ	6205ZZ
100	6206ZZ	6206ZZ
112	6306ZZ	6306ZZ
132 S	6308ZZ	6308ZZ
132 M	6308ZZ	6308ZZ
160M	6309ZZ	6309ZZ
160L	6309ZZ	6309ZZ
180M	6311	6311
180L	6311	6311
200	6312	6312
225S2	6312	6312
225M2	6312	6312
225S4.6.8	6313	6313
225M4.6.8	6313	6313

性能数据

输出功率 Output		满载转速 Speed	机座号 Frame Size.	绝缘等级 Insulation Class	满载 Full Load				堵转 Locked Rotor	极限转矩 Breakdown Torque %FLT	转动惯量 Rotor GD2 Kg-M ²
HP	kW	Full Load r.p.m			转矩 Torque kg-M	Eff %	P.F. %	电流 Current A	转矩 Torque %FLT	电流 Current A	
1/4	0.185	2740	63	B/F	0.07	56.0	76.5	0.66	400	3.5	0.002
		1345	63	B/F	0.13	60.5	69.5	0.67	280	3.5	0.003
		910	71	B/F	0.20	60.0	60.0	0.79	200	3.5	0.006
1/2	0.37	2785	71	B/F	0.13	75.0	85.0	0.89	340	7.0	0.0025
		1370	71	B/F	0.26	65.5	70.0	1.24	200	7.0	0.005
		925	80	B/F	0.39	63.0	67.0	1.34	200	7.0	0.009
1	0.75	2800	80	B/F	0.26	76.5	87.0	1.70	220	11	0.005
		1400	80	B/F	0.52	72.0	74.0	2.13	230	11	0.009
		930	90S	B/F	0.78	71.0	70.0	2.28	200	11	0.018
2	1.5	2820	90S	B/F	0.51	80.0	88.0	3.22	250	23	0.011
		1400	90L	B/F	1.04	75.5	78.5	3.82	220	23	0.018
		935	100L	B/F	1.55	75.5	71.5	4.20	180	23	0.033
3	2.2	2850	90L	B/F	0.76	83.5	88.5	4.60	250	39	0.015
		1430	100L	B/F	1.52	80.0	82.0	5.18	210	39	0.033
		950	112M	B/F	2.29	78.0	76.0	5.73	180	39	0.060
5	3.7	2875	112M	B/F	1.26	85.5	90.0	7.36	240	63	0.039
		1400	112M	B/F	2.52	84.5	83.5	8.03	220	63	0.060
		960	132M	B/F	3.78	80.5	75.5	9.32	180	63	0.154
7.5	5.5	2900	132S	B/F	1.88	86.5	88.5	11.1	220	93	0.066
		1450	132S	B/F	3.75	86.0	82.5	12.0	220	93	0.106
		960	132M	B/F	5.67	84.5	77.5	13.0	200	93	0.222
10	7.5	2900	132S	B/F	2.50	88.5	88.5	14.5	200	116	0.078
		1450	132M	B/F	5.00	89.5	88.5	15.2	220	116	0.146
		970	160M	B/F	7.48	85.5	80.0	16.6	210	116	0.408
15	11	2930	160M	B/F	3.72	88.5	90.0	21.3	200	168	0.164
		1460	160M	B/F	7.46	87.5	88.0	21.6	220	168	0.322
		970	160L	B/F	11.20	88.5	84.0	22.9	210	168	0.599
20	15	2930	160M	B/F	4.95	90.0	91.0	27.7	200	209	0.191
		1460	160L	B/F	9.94	90.5	88.5	28.3	220	209	0.412
		970	180L	B/F	15.00	89.0	82.5	30.9	200	209	1.007
25	18.5	2915	160L	B/F	6.23	90.0	89.5	35.2	200	268	0.247
		1460	180M	B/F	12.40	91.0	86.5	36.0	210	268	0.624
		970	180L	B/F	18.70	90.0	82.5	38.2	200	268	1.170
30	22	2950	180M	B/F	7.38	91.5	90.0	41.3	200	319	0.315
		1455	180L	B/F	15.00	90.5	85.0	43.9	210	319	0.671
		970	180L	B/F	22.40	89.5	82.0	46.3	200	319	1.365
40	30	2935	180L	B/F	9.89	92.0	91.0	54.2	180	398	0.373
		1455	180L	B/F	20.00	91.0	85.0	58.6	210	398	0.829
		970	200L	B/F	29.90	91.0	83.0	60.0	190	398	1.952
50	37	2950	200L	B/F	12.30	91.5	87.5	70.8	150	463	0.543
		1460	200L	B/F	24.90	91.5	86.0	72.0	200	463	1.293
		970	200L	B/F	37.40	90.0	80.0	78.7	190	463	2.292
60	45	2950	200L	B/F	14.80	92.5	87.0	84.5	140	582	0.659
		1460	200L	B/F	29.80	92.0	88.5	83.5	190	582	1.681
		980	225S	B/F	44.40	91.0	80.0	93.4	170	725	3.201
75	55	2950	225S	B/F	18.50	92.5	90.5	102	140	752	1.234
		1470	225S	B/F	37.00	92.5	85.0	108	180	752	1.947

Technical Data

Fig. 1

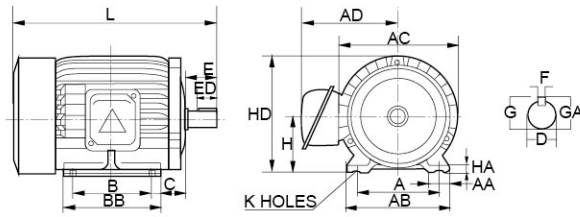


Fig. 3

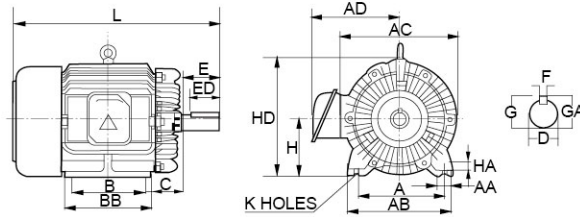


Fig. 2

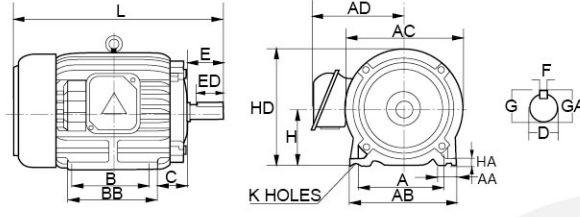
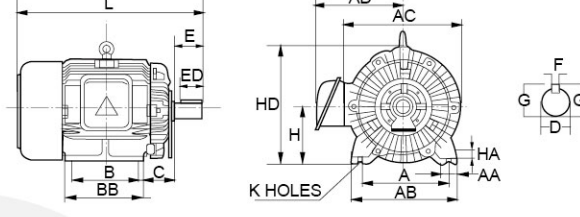


Fig. 4

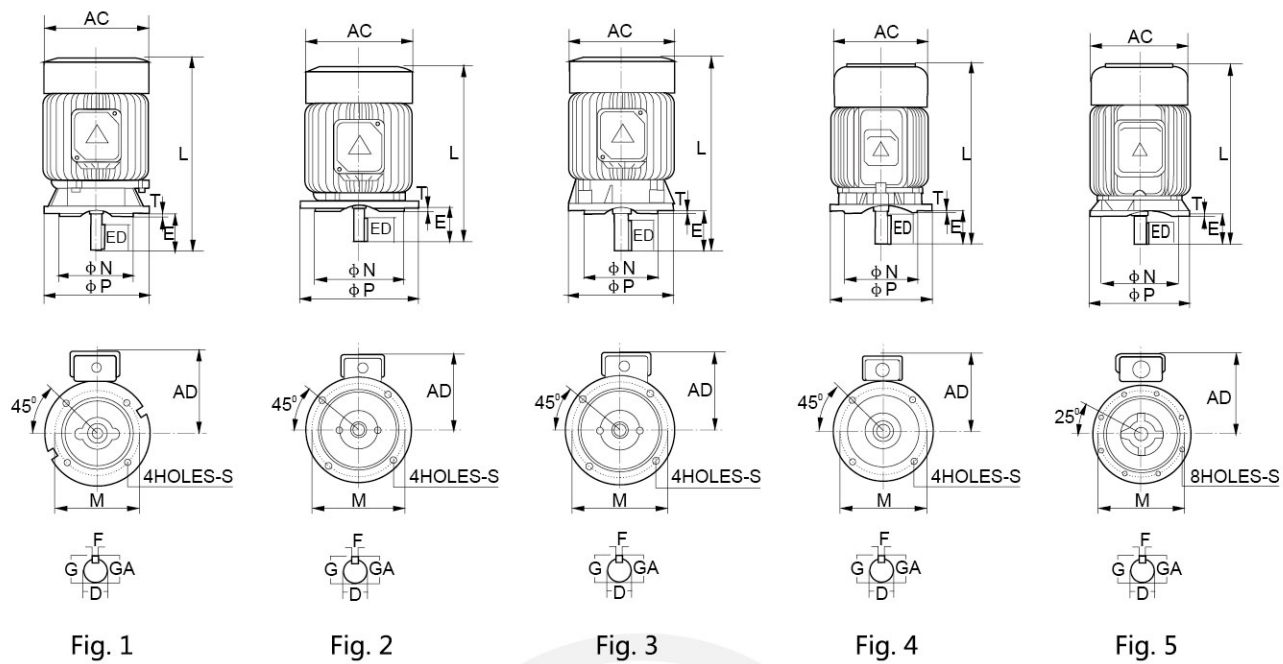


AEEF 外型及安装尺寸

Outline & Installation Dimensions

Output(HP)			Frame Size	Fig. No.	A	AA	AB	AC	AD	B	BB	C	D	E	ED	F	G	GA	H	HA	HD	K	L
2P	4P	6P																					
0.25	0.25	-	63	1	100	28.0	120	144	134	80	100	40	11	23	10	4	8.5	12.5	63	8.0	135	7	209
0.5	0.5	0.25	71	1	112	35.5	140	160	142	90	115	45	14	30	14	5	11.0	16.0	71	8.0	151	7	239
1	1	0.5	80	1	125	35.5	155	175	163	100	130	50	19	40	25	6	15.5	21.0	80	9.0	168	10	272
2 3	2	1	90L	1	140	35.5	170	194	173	125	150	56	24	50	32	8	20.0	27.0	90	10.0	187	10	322
-	3	2	100L	2	160	45.0	195	210	187	140	175	63	28	60	40	8	24.0	31.0	100	12.5	243	12	363
5	5	3	112M	2	190	45.0	224	230	205	140	175	70	28	60	40	8	24.0	31.0	112	14.0	265	12	382
7.5 10	7.5	5	132S	2	216	45.0	250	266	223	140	175	89	38	80	56	10	33.0	41.0	132	16.0	310	12	446
-	10	7.5	132M	2	216	45.0	250	266	223	178	212	89	38	80	56	10	33.0	41.0	132	16.0	310	12	484
15 20	15	10	160M	3	254	50.0	300	324	265	210	250	108	42	110	80	12	37.0	45.0	160	18.0	377	15	604
25	20	15	160L	3	254	50.0	300	324	265	254	300	108	42	110	80	12	37.0	45.0	160	18.0	377	15	648
30	-	-	180M	4	279	75.0	355	360	301	241	297	121	48	110	80	14	42.5	51.5	180	20.0	421	15	687
-	25 30	20	180M	3	279	75.0	355	360	301	241	297	121	48	110	80	14	42.5	51.5	180	20.0	421	15	687
40	-	-	180L	4	279	75.0	355	360	301	279	335	121	55	110	80	16	49.0	59.0	180	20.0	421	15	725
-	40	25 30	180L	4	279	75.0	355	360	301	279	335	121	55	110	80	16	49.0	59.0	180	20.0	421	15	725
50 60	-	-	200L	4	318	80.0	400	400	334	305	365	133	55	110	80	16	49.0	59.0	200	25.0	469	19	798
-	50 60 40	50	200L	4	318	80.0	400	400	334	305	365	133	60	140	110	18	53.0	64.0	200	25.0	469	19	798
75	-	-	225S	4	356	90.0	450	458	382	286	375	149	55	110	80	16	49.0	59.0	225	30.0	524	19	806
-	75	60	225S	4	356	90.0	450	458	382	286	375	149	65	140	110	18	58.0	69.0	225	30.0	524	19	836

备注: 1.轴伸端直径D公差: $\phi 11-\phi 28:j6$, $\phi 38-\phi 48:k6$, $\phi 55-\phi 65:m6$
2.中心高H公差: $+0, -0.5$
Note: 1.Tolerance of shaftend diameter D: $\phi 11-\phi 28:j6$, $\phi 38-\phi 48:k6$, $\phi 55-\phi 65:m6$
2.Tolerance of shaft centerheight H: $+0, -0.5$



AEEF 外型及安装尺寸

Outline & Installation Dimensions

Output(HP)			Frame Size	Fig. No.	AC	AD	L	M	N	P	S	T	D	Shaft Extension				
2P	4P	6P												E	ED	F	G	GA
0.25	0.25	-	63	1	144	134	238	130	110	160	10	3.5	11	23	10	4	8.5	12.5
0.5	0.5	0.25	71	1	160	142	266	130	110	160	10	3.5	14	30	14	5	11.0	16.0
1	1	0.5	80	2	175	163	272	165	130	200	12	3.5	19	40	25	6	15.5	21.5
2	3	2	90L	1	194	173	361	165	130	200	12	3.5	24	50	32	8	20.0	27.0
-	3	2	100L	2	210	187	363	215	180	250	15	4.0	28	60	40	8	24.0	31.0
5	5	3	112M	3	230	205	422	215	180	250	15	4.0	28	60	40	8	24.0	41.0
7.5	10	7.5	132S	2	266	223	446	265	230	300	15	4.0	38	80	56	10	33.0	41.0
-	10	7.5	132M	2	266	223	484	265	230	300	15	4.0	38	80	56	10	33.0	41.0
15	20	15	160M	4	324	265	604	300	250	350	19	5.0	42	110	80	12	37.0	45.0
25	20	15	160L	4	324	265	648	300	250	350	19	5.0	42	110	80	12	37.0	45.0
30	-	-	180M	4	360	301	687	350	300	400	19	5.0	48	110	80	14	42.5	51.5
-	25	30	180M	4	360	301	687	350	300	400	19	5.0	48	110	80	14	42.5	51.5
40	-	-	180L	5	360	301	725	350	300	400	19	5.0	55	110	80	16	49.0	59.0
-	40	25	180L	5	360	301	725	350	300	400	19	5.0	55	110	80	16	49.0	59.0
50	60	-	200L	6	400	334	798	400	350	450	19	5.0	55	110	80	16	49.0	59.0
-	50	60	200L	6	400	334	798	400	350	450	19	5.0	60	140	110	18	53.0	64.0
75	-	-	225S	6	458	382	806	500	450	550	19	5.0	55	110	80	16	49.0	59.0
-	75	60	225S	6	458	382	836	500	450	550	19	5.0	65	140	110	18	58.0	69.0

备注: 1.轴伸端直径D公差: $\phi 11-\phi 28:j6$, $\phi 38-\phi 48:k6$, $\phi 55-\phi 65:m6$
2.中心高H公差: $+0, -0.5$
3. Y系列三相交流电动机和以上表格中安装尺寸可供国内使用 (以上表格中机座63-机座160的安装尺寸与Y系列三相交流电动机相类似)。
Note: 1.Tolerance of shaft end diameter D: $\phi 11-\phi 28:j6$, $\phi 38-\phi 48:k6$, $\phi 55-\phi 65:m6$
2.Tolerance of shaft center height H: $+0, -0.5$
3.Both the installation dimensions according to Y series three phase induction motor and the installation dimensions in the form above are supplied in the domestic. (The installation dimensions form frame No.63 to frame No.160 in the form above are similar to those of Y series three phase induction motor.)

CATALOGUE

产 品 样 册



HELICAL GEAR MOTOR
齿轮减速机



AC GEAR MOTOR
交流减速电机



WP SERIES WORM REDUCER
WP系列蜗杆减速机



DC GEAR MOTOR
直流减速电机



NMRV WORM REDUCER
NMRV 蜗杆减速机



CUSTOMIZE MOTOR
定制电机