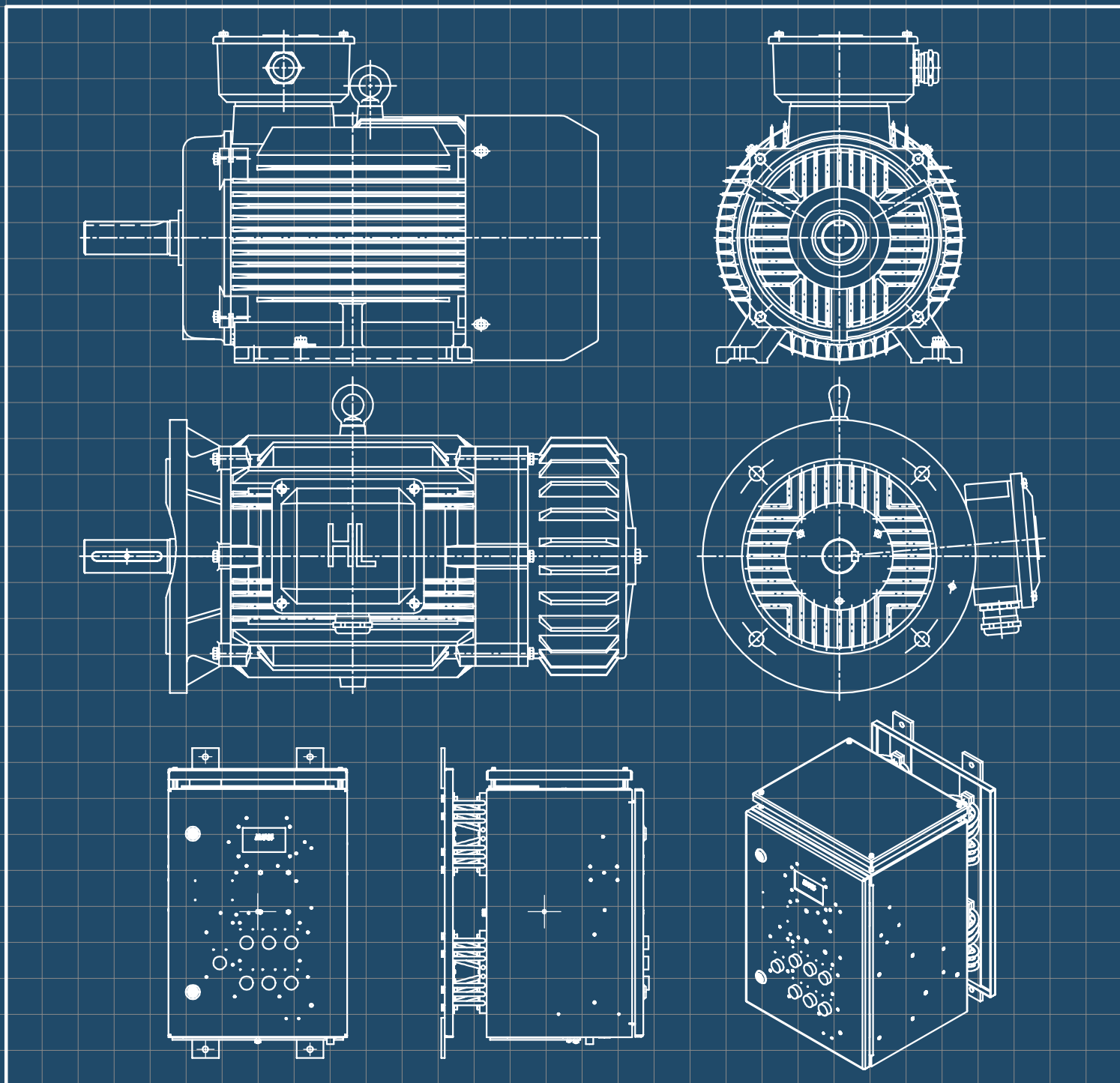


恒力电机和控制箱产品目录

Hengli motors and control boxes catalogue

中国·德州
China · Dezhou



德州恒力电机有限责任公司
DEZHOU HENGLI ELECTRICAL MACHINERY CO., LTD



公司简介 Company Profile

德州恒力电机有限责任公司的前身--德州电机厂始建于一九六六年,是原机械工业部船用电机定点生产厂家之一,是目前国内最大的船用电机制造企业,其中船用起重电机市场占有率达到75%以上。

公司主要生产普通电机、船用电机、船用起重电机、矿用防爆、船用防爆、船用侧向推进器用电机、变频电机、船用电控箱及各系列的派生产品等几十个系列两千多个品种规格,产品均等效采用国际IEC标准,并达到了国际现代化产品水平。被广泛应用于石油平台和船舶发电、电力拖动、起货起重、甲板机械以及机械、化工、建筑、纺织、矿山、风机、泵类等行业。

公司现有员工600多人,其中专业技术人员106人,高级专业人员36人;公司占地面积200余亩,年生产能力150万千瓦;拥有完善的计量、检测手段;安装有加工、装配、试验等十几条生产流水线及多种先进成套设备,是集设计、生产、开发、安装和服务为一体的综合性公司。

公司注重技术科研项目建设。荣获山东省高新技术企业,拥有山东省认定的省级技术开发中心和山东省船电工程技术研究中心。积极推进与科研院所、大专院校合作,引进、消化、吸收各种先进技术,开发了多种技术领先、性能先进的船用电机;公司获得国家专利43项,并主持和参与制订电机、电气技术条件规范国家标准、行业标准等共13项,多项成果荣获省、市科技进步奖项;公司生产的“Y-H系列(IP44)船用三相异步电动机”获得山东名牌产品称号。

公司在国外和中国沿江、沿海等地设有二十多处仓储式办事处,拥有快捷、高效的市场营销和服务网络,形成了立足国内、辐射世界30多个国家和地区的全球化市场格局。

Hengli first began in 1966 as Dezhou Electric Motor Factory, was one appointed marine motors manufacturer of former Machinery Industry Bureau, the largest marine motors manufacturer in China, especially the market share of marine hoisting motors has reached more than 75%.

We make over 2,000 models of general motors, marine motors, marine motors for hoisting, flameproof motors for mining, marine flameproof motors, marine motors for single-side thrusters, frequency conversion motors, marine control boxes and other derivative products. All products have been adapt to the international IEC standard and reached the international modern level. Our products are used in oil platforms, ship generators, electric dragging, goods hoisting, deck machinery and a wide variety of industries, including machinery, chemical, construction, textiles, mining, ventilators and pumps.

Hengli has a large team of 600 workers, including 106 experienced technicians and 36 senior experienced technicians. It covers more than 130,000 square meters, with 1,500,000 KW annual production capacities. It owns complete measuring and inspecting methods, dozens of production lines for processing, assembling and testing, and other advanced complete equipments. It is a comprehensive company that includes design, production, research, installation and service.

Hengli pays more attention on technology research projects. It is the Advanced high-tech Company of Shandong Province, Provincial Technology Research Center and Provincial Marine Electric Engineering Research Center. Hengli actively promotes cooperation with research institutes, universities and colleges, introducing, digesting and absorbing various advanced technologies to develop many advanced, super performance marine motors. Hengli's products have earned 43 national patents and we have helped set 13 national and industry standards for motors and electronics. Many achievements have gained provincial and municipal advanced technology awards. The YH series (IP44) marine three phase induction motor gains Brand-name Product of Shandong province.

More than 20 sales offices of Hengli have been set up along rivers and seashores in domestic and abroad, with high-efficiency and fast network for market sales and service network. It has formed a globalization market pattern that based in domestic and radiating to over 30 countries and districts.



质量体系认证和船级社认证

Quality system certifications and classification certifications

1996 年	ISO9001 质量体系认证
2003 年	GB/T19001-2000 质量体系认证
2006 年	获得国家产品质量免检证书
2008 年	CCC 强制性产品认证和节能产品认证
2012 年	CE 产品认证和 ATEX 产品认证
2012 年	国家船检局、渔检局船用电机产品型式认可
2012 年	法国船级社 BV
2012 年	韩国船级社 KR
2012 年	英国船级社 LR
2012 年	意大利船级社 RINA
2012 年	美国船级社 ABS
2012 年	挪威船级社 DNV.GL
2012 年	日本船级社 NK
2012 年	俄罗斯船级社 RS 等多家国外船级社产品认可



创新的理念，先进的技术，卓越的质量，完善的网络，优质的服务和恒力人团拼搏的精神，凝聚成永恒的动力。一定能实现“创百年恒力、树世界品牌”的企业发展目标。

1996	ISO9001 quality system certification
2003	GB/T19001-2000 quality system certification
2008	National Quality-inspection-free Product certification
2012	CCC Certificate for China Compulsory Product Certification
2012	CE Products Approval and ATEX Products Approval
2012	Products Type Approval of National Shipping Inspection Bureau and Register of Fishing Vessel
2012	France BV
2012	Korea KR
2012	United kingdom LR
2012	Italy RINA
2012	America ABS
2012	Norway DNV.GL
2012	Japan NK
2012	Russia RS and other countries classification society's certifications

The target of "Running centennial years of Hengli, Achieving the international brand name" will be achieved because of the endless power which formed by innovated concept, advanced technology, super quality, complete network, good service and Hengli men's unity and fighting spirits.



德州恒力电机有限公司



电机产品目录

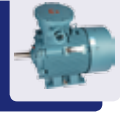
Motors Catalogue

	Y-H 系列船用三相异步电动机 Y-H Series Marine Three-phase Induction Motor	05
	Y-H 系列船用低压大功率三相异步电动机 (H400-H560) Y-H series Marine Low voltage Big power Three-phase Induction Motor (H400-H560)	17
	Y-H 系列船用三相异步电动机 (配电磁失电直流制动器) Y-H Series Marine Three-phase Induction Motor (Equipped with Electromagnetic loss dc brake)	21
	M2E-H 系列船用高效率三相异步电动机 M2E-H Series Marine High-efficiency Three-phase Induction Motor	27
	YD-H 系列船用变极多速三相异步电动机 YD-H Series Marine Pole-changing Multi-speed Three-phase Induction Motor	38
	YZH 系列船用起重三相异步电动机 (单双速) YZ-H Series Marine Three-phase Induction Motor for Hoisting (Single/Double speed)	45
	YZH 系列船用起重三相异步电动机 (三速) YZ-H Series Marine Three-phase Induction Motor for Hoisting (three speed)	49
	YZ-H 系列船用起重三相异步电动机 (出口型) YZ-H Series Marine Three-phase Induction Motor for Hoisting (export type)	53
	JZ2-H 系列船用起重用三相异步电动机 JZ2-H Series Marine Three-phase Induction Motor for Hoisting	56
	YT2-H 系列船用轴流风机用三相异步电动机 YT2-H Series Marine Three-phase Induction Motor for Axial Ventilator	59
	YVF2-H 系列船用变频调速专用三相异步电动机 YVF2-H Series Marine Variable Frequency Adjustable Speed Three-phase Induction Motor	63
	YB2-H 系列船用隔爆型三相异步电动机 YB2-H Series Marine Flameproof Three-phase Induction Motor	74



电机产品目录

Motors Catalogue

	YBT-H 系列船用隔爆型通风机用三相异步电动机 YBT-H Series Marine Flameproof Three-phase Induction Motor for Ventilator	81
	YBZa-H 系列船用起重用隔爆型三相异步电动机 YBZa-H Series Marine Flameproof Three-phase Induction Motor for Hoisting	84
	JBZ2-H 系列船用起重用隔爆型三相异步电动机 JBZ2-H Series Marine Flameproof Three-phase Induction Motor for Hoisting	87
	YCTJ-H 系列船用侧向推进器用三相异步电动机 YCTJ-H Series Marine Three-phase Induction Motor for Side Thruster	90
	YE2 系列三相异步电动机 YE2 Series Three-phase Induction Motor	97
	YX3 系列三相异步电动机 YX3 Series Three-phase Induction Motor	105
	YE3 系列超高效率三相异步电动机 YE3 Super High Efficiency Three-phase Induction Motor	114
	YD 系列变极多速三相异步电动机 YD Series Pole-changing Multi-speed Three-phase Induction Motor	123
	YT 系列轴流风机用三相异步电动机 YT Series Three-phase Induction Motor for Axial Ventilator	130
	YB3 系列隔爆型三相异步电动机 YB3 Series Flameproof Three-phase Induction Motor	133
	YVF2 系列变频调速专用三相异步电动机 YVF2 Series Variable Frequency Adjustable Speed Three-phase Induction Motor	143



控制箱产品目录

Control boxes catalogue

	QDC 系列船用电动机控制箱 QDC series marine motor control box	153
	QDX 系列船用电动机控制箱 QDX series marine motor control box	155
	QDP 系列船用电动机控制箱 QDX series marine motor control box	157
	QDR1 系列电动机软起动控制箱 QDR1 series marine motor control box (soft starting)	160
	QDZ 系列智能型电动机控制箱 QDZ series intelligent motor control box	162
	QDJ 系列电动机自藕降压起动控制箱 QDJ series motor auto-transformer starting control box	164
	QDR2 系列绕线转子电动机转子回路串电阻起动控制箱 QDR2 series rotor circuit series resistance starting control box of winding rotor motor	166
	BQC 系列 (II B 型) 船用防爆电动机控制箱 BQC series (II B) marine explosion proof motor control box	168
	BQC 系列 (II C 型) 防爆电动机控制箱 BQC series (II c) explosion proof motor control box	170
	ZP 系列船用配电板 BP series marine switchboard	172
	YN4-H 系列船用按钮盒 YN4-H marine button box	174
	BYN2-H 系列船用防爆按钮盒系列 BYN2-H series marine explosion proof button box	176



控制箱产品目录

Control boxes catalogue



JX 系列船用接线箱 178
JX series marine connection box



BJX 系列船用防爆接线箱 180
BJX series marine explosion proof connection box



LK911-A 系列船用主令控制器 (基本型) 182
LK911-A series marine master controller (basic type)



LK911-A/F 系列船用主令控制器 (自动复位型) 184
LK911-A/F series marine master controller (self-reset type)



BLK911-A 系列船用防爆主令控制器 (防爆型) 186
B LK911-A/F series marine explosion proof master controller (explosion proof type)



XMS91 系列锚机控制箱 188
XMS91 series anchor control box



集中控制台系列 193
Integrated console series



Y-H 系列船用三相异步电动机

Y-H series marine three phase induction motor

Y-H 系列为全封闭，自扇冷式，船用三相笼式异步电动机，适用于船舶和石油平台上作驱动各种机械，如泵类、通风机、分离器、液压机械及其它辅助设备之用。

Y-H 系列是按照国际电工委员会标准 IEC60034-1《旋转电机 定额和性能》和现行的《钢质海船入级与建造规范》设计的。

Y-H series are totally-enclosed, fan-cooled, marine three phase squirrel-cage motors. The motors are suitable for driving various machines on ships and oil platform, such as pumps, blowers, separators, hydraulic engines and other auxiliary equipments.

The motors are designed accordance with IEC60034-1 standard <Rotating electrical machines -- rating and performance> and <Rules for the construction of sea-going steel ships>.



标准和认证

Standard and certification

电动机也符合以下标准和规范的有关要求
The motors also comply with the relevant requirements of the following standards and specifications

IEC60034	旋转电机 Rotating electrical machines
IEC60068	环境试验 Environmental testing
IEC60072	旋转电机的尺寸及功率等级 Dimensions and output ratings for rotating electrical machines
IEC60092	船用电器设备 Marine electric apparatus

电动机还符合下列船级社规范的部分要求
The motors are also in conformity with partial specifications of the following Ships Classification Societies

LR	英国劳氏船级社 Lloyd's Register of Shipping
ABS	美国船级社 America bureau of shipping
BV	法国船级社 BUREAU VERITAS
KR	韩国船级社 Korean register of shipping
RS	俄罗斯船级社 Russian Maritime Register of Shipping
RINA	意大利船级社 Registro Italiano Navale
DNV.GL	挪威船级社 DET NORSKE VERITAS. Germanischer Lloyd
NK	日本海事协会 (日本船级社) Nippon Kaiji Kyokai

型号命名

Type name

电动机的型号由字母和数字组成。
The type consists of several letters and digits.

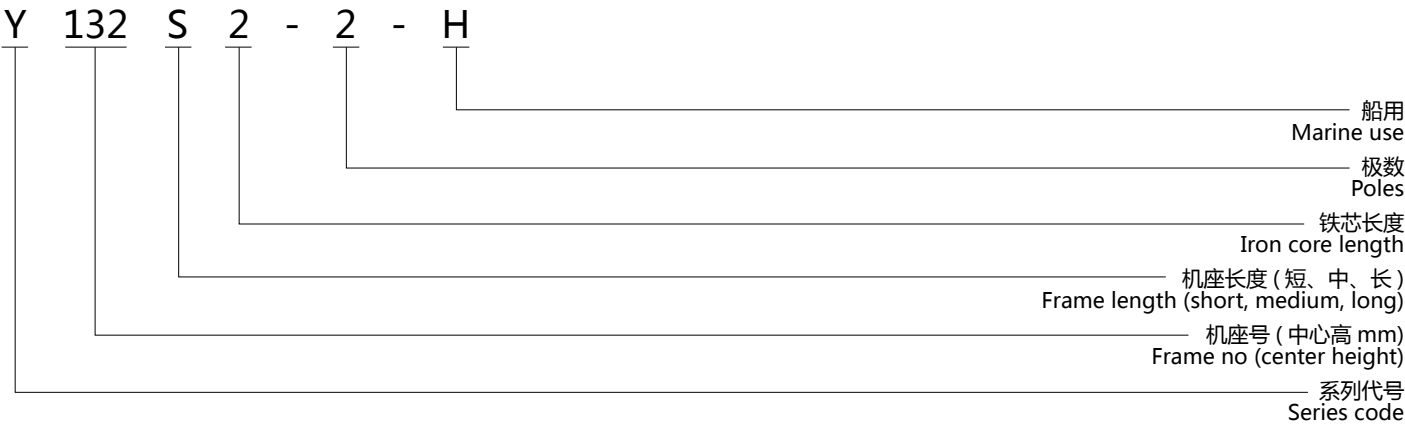




表 Table 1

机座号 Frame no	极数 Pole	轴承 Bearing		
		主轴伸端 DE		非轴伸端 NDE
		B3、B5、B35	V1	
80	2, 4	6204-2RS/C3		6204-2RS/C3
90	2, 4, 6	6205-2RS/C3		6205-2RS/C3
100	2, 4, 6	6206-2RS/C3		6206-2RS/C3
112	2, 4, 6, 8	6206-2RS/C3		6206-2RS/C3
132	2, 4, 6, 8	6208-2RS/C3		6208-2RS/C3
160	2, 4, 6, 8	6309-2RS/C3		6309-2RS/C3
180	2, 4, 6, 8	6311/C3		6311/C3
200	2, 4, 6, 8	6312/C3		6312/C3
225	2/4, 6, 8	6312/C3/6313/C3		6312/C3
250	2/4, 6, 8	6313/C3/6314/C3		6313/Z2
280	2/4, 6, 8	6314/C3/6317/C3		6314/C3
315	2/4, 6, 8	6317/Z2/N319/Z2	7317ACJ/7319ACJ	6317/Z2/6319/Z2
355	2/4, 6, 8	6319/Z2/N322/Z2	7319ACJ/7322ACJ	6319/Z2/6322/Z2

功率范围 Power range

本系列电动机的功率范围从 0.55~315 千瓦，机座号与功率的关系见表 2。

The power range of this series motor is from 0.55-315KW, the relationship between frame no and power see table 2.

表 Table 2

机座号 Frame no	功率 Power (kW)			
	2 极 2 pole	4 极 4 pole	6 极 6 pole	8 极 8 pole
801	0.75	0.55	-	-
802	1.1	0.75	-	-
90S	1.5	1.1	0.75	-
90L	2.2	1.5	1.1	-
100L1	3	2.2	1.5	-
100L2	3	3	1.5	-
112M	4	4	2.2	-
132S1	5.5	5.5	3	2.2
132S2	7.5	5.5	3	2.2
132M1	-	7.5	4	3
132M2	-	7.5	5.5	3
160M1	11	11	7.5	4
160M2	15	11	7.5	5.5
160L	18.5	15	11	7.5
180M	22	18.5	-	-

机座号 Frame no	功率 Power (kW)			
	2 极 2 pole	4 极 4 pole	6 极 6 pole	8 极 8 pole
180L	-	22	15	11
200L1	30	30	18.5	15
200L2	37	30	22	15
225S	-	37	-	18.5
225M	45	45	30	22
250M	55	55	37	30
280S	75	75	45	37
280M	90	90	55	45
315S	110	110	75	55
315M	132	132	90	75
315L1	160	160	110	90
315L2	200	200	132	110
355M1	250	250	160	132
355M2	250	250	200	160
355L	315	315	250	200



电气特性

Electrical characteristics

工作条件 Operating Conditions	
环境空气温度 Temperature of Ambient air	0°C ~45°C
海拔 Altitude	0m
空气相对湿度 Relative humidity	≤ 95%
凝露 Dew	有 exists
盐雾 Salt mist	有 exists
油雾 Oil mist	有 exists
霉菌 Fungus	有 exists
冲击 Shock	有 exists
振动 Vibration	有 exists
倾斜 Inclination	±30°
摇摆 Swing	±22.5°
海上石油平台 Oil platform on sea	
工作方式 Duty	
连续工作制 Continuous duty (S1)	

电压、频率 Voltage, frequency	
额定电压 Rated voltage	380V 或 (or) 440V
额定频率 Rated frequency	50Hz 或 (or) 60Hz
接法 Connection	
3 千瓦及以下者 3KW and below	Y
大于 3 千瓦者 More than 3KW	△
绝缘、温升 Insulation, temperature rise	
绝缘 Insulation	B 级、F 级或 H 级 B, F or H
绕组温升 (电阻法) Winding temperature rise (Resistance method)	75K、100K 或 120K 75K, 100K or 120K
轴承允许温度 (温度计法) Bearing allowance temperature (thermometer method)	90°C

机械特性

Mechanical characteristics

起动方式 Starting method	
采用满压直接起动，在空载或轻载时，允许采用降压起动。 Direct on full-voltage starting for all sizes, reducing voltage starting allowable at no-load or light load.	
传动方式 Driving method	
电动机可用皮带轮，正齿轮或弹性联轴器传动。 Pulley, spur or flexible coupling can be used for driving.	
振动 Vibration	
电动机在空载时测得的振动强度限值不超过表 3 的数值。 The effective values of vibration velocity that measured at the no-load conditions do not exceed the values given in table 3.	

安装结构型式 Mounting Arrangements	
电动机各机座号所具有的安装结构型式如表 4 所示。 All mounting arrangements of every type is show in Table 4.	
B3	卧式，底脚安装 Horizontal, foot-mounted
B5	卧式，凸缘安装 Horizontal flange-mounted
B35	卧式，底脚和凸缘安装 Horizontal, foot and flange mounted
V1	立式，凸缘安装 Vertical, flange mounted
表 Table 4	
机座号 Frame	安装结构型式 (IM) Mounting way
80~225	B3, B5, B35, V1
250~315	B3, B35, V1

浸渍和表面处理 Impregnation and Surface Treatment	
电动机的绕组和金属零件的表面均按照湿热电机的要求，经过特殊浸渍和处理，具有良好的防潮、防霉和抗盐雾的性能。 The motor windings and metallic spare parts are through impregnated and well treated to obtain the adequate damp-proof, anti-fungus and anti-salt-mist properties in accordance with the specifications for humid-tropic machines.	

表 Table 3									
机座号 Frame no	80~132			160~280			315~355		
安装方式 Mounting way	位移 Displacement (um)	速度 Speed (mm/s)	加速度 Acceleration (m/s ²)	位移 Displacement (um)	速度 Speed (mm/s)	加速度 Acceleration (m/s ²)	位移 Displacement (um)	速度 Speed (mm/s)	加速度 Acceleration (m/s ²)
自由悬置 Free suspension	25	1.6	2.5	35	2.2	3.5	45	2.8	4.4
刚性安装 Rigid mounting	21	1.3	2.0	29	1.8	2.8	37	2.3	3.6



主要技术参数

Main technical parameters

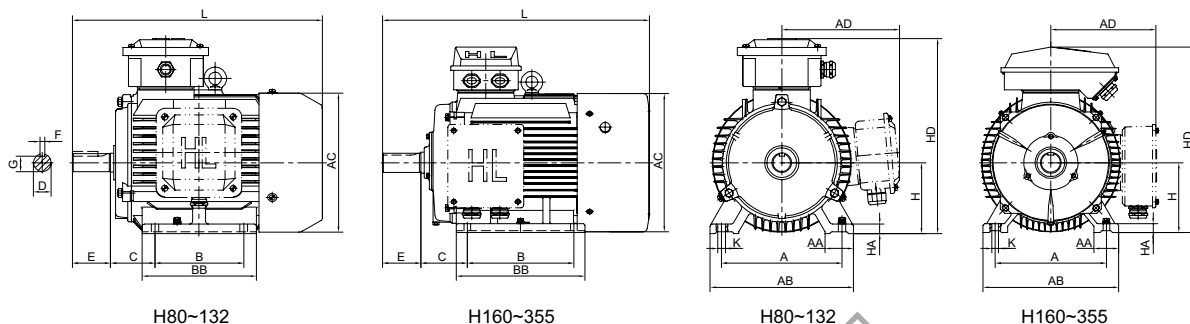
型号 Type	功率 Power (kW)	电流 (A) Current		转速 (r/min) Speed		重量 Weight (kg)	型号 Type	功率 Power (kW)	电流 (A) Current		转速 (r/min) Speed		重量 Weight (kg)
		380V	440V	380V	440V				380V	440V	380V	440V	
		50Hz	60Hz	50Hz	60Hz				50Hz	60Hz	50Hz	60Hz	
Y801-2-H	0.75	1.8	1.6	2820	3460	17	Y315L2-4-H	200	361.3	319.0	1480	1790	1260
Y802-2-H	1.1	2.6	2.2	2820	3460	19	Y355M-4-H	250	464.5	410.2	1480	1790	1600
Y90S-2-H	1.5	3.5	3.1	2840	3470	23	Y355L-4-H	315	582.1	514.0	1480	1790	1800
Y90L-2-H	2.2	4.9	4.3	2840	3470	26	Y90S-6-H	0.75	2.2	2.0	910	1130	20
Y100L-2-H	3	6.2	5.4	2880	3490	33	Y90L-6-H	1.1	3.2	2.9	910	1130	24
Y112M-2-H	4	8.2	7.2	2890	3500	46	Y100L-6-H	1.5	4.0	3.5	940	1150	33
Y132S1-2-H	5.5	11.0	9.6	2900	3520	78	Y112M-6-H	2.2	5.8	5.2	940	1150	45
Y132S2-2-H	7.5	14.6	12.9	2900	3520	90	Y132S-6-H	3	7.2	6.4	960	1170	66
Y160M1-2-H	11	21.6	18.7	2930	3540	120	Y132M1-6-H	4	9.5	8.2	960	1170	80
Y160M2-2-H	15	28.9	25.1	2930	3540	135	Y132M2-6-H	5.5	12.5	10.7	960	1170	90
Y160L-2-H	18.5	35.7	30.3	2930	3540	160	Y160M-6-H	7.5	17.1	14.8	970	1170	100
Y180M-2-H	22	42.2	36.9	2940	3550	180	Y160L-6-H	11	25.0	21.7	970	1170	125
Y200L1-2-H	30	57.9	50.3	2955	3560	215	Y180L-6-H	15	33.0	29.3	970	1180	195
Y200L2-2-H	37	69.4	60.3	2960	3565	245	Y200L1-6-H	18.5	37.6	32.7	980	1183	225
Y225M-2-H	45	85.9	76.3	2969	3572	330	Y200L2-6-H	22	44.7	38.9	980	1182	275
Y250M-2-H	55	103.2	91.7	2970	3570	400	Y225M-6-H	30	61.1	53.1	985	1187	325
Y280S-2-H	75	139.2	120.9	2970	3580	535	Y250M-6-H	37	71.0	61.3	980	1180	430
Y280M-2-H	90	167.1	143.5	2970	3580	550	Y280S-6-H	45	86.4	74.6	980	1190	505
Y315S-2-H	110	203.0	180.2	2970	3580	980	Y280M-6-H	55	103.2	89.7	980	1190	540
Y315M-2-H	132	242.3	215.1	2970	3580	1080	Y315S-6-H	75	141.1	124.0	980	1190	990
Y315L1-2-H	160	292.1	259.3	2970	3580	1160	Y315M-6-H	90	168.6	148.1	980	1190	1080
Y315L2-2-H	200	365.2	324.6	2970	3580	1260	Y315L1-6-H	110	205.5	180.5	980	1190	1150
Y355M-2-H	250	451.4	400.6	2970	3580	1600	Y315L2-6-H	132	245.8	215.9	980	1190	1210
Y355L-2-H	315	565.7	502.1	2970	3580	1800	Y355M1-6-H	160	302.0	265.3	980	1190	1500
Y801-4-H	0.55	1.5	1.4	1390	1710	17	Y355M2-6-H	200	376.7	330.9	980	1190	1700
Y802-4-H	0.75	2.1	1.8	1390	1710	19	Y355L-6-H	250	468.9	411.9	980	1190	1900
Y90S-4-H	1.1	2.7	2.4	1400	1710	23	Y132S-8-H	2.2	5.8	5.2	710	860	66
Y90L-4-H	1.5	3.6	3.2	1400	1710	26	Y132M-8-H	3	7.6	6.8	710	860	80
Y100L1-4-H	2.2	5.0	4.5	1420	1730	36	Y160M1-8-H	4	10.5	9.1	720	870	93
Y100L2-4-H	3	6.8	5.9	1420	1730	39	Y160M2-8-H	5.5	13.4	11.5	720	870	105
Y112M-4-H	4	8.9	7.7	1440	1750	47	Y160L-8-H	7.5	17.7	15.5	720	870	130
Y132S-4-H	5.5	11.7	10.0	1440	1750	78	Y180L-8-H	11	25.6	22.2	730	880	175
Y132M-4-H	7.5	15.4	13.2	1440	1750	98	Y200L-8-H	15	33.3	29.2	729	882	255
Y160M-4-H	11	22.6	19.5	1460	1760	123	Y225S-8-H	18.5	40.3	35.6	735	886	300
Y160L-4-H	15	30.5	26.3	1460	1760	152	Y225M-8-H	22	47.4	41.7	734	886	320
Y180M-4-H	18.5	35.9	30.8	1470	1770	180	Y250M-8-H	30	64.7	57.1	730	890	420
Y180L-4-H	22	42.2	36.9	1470	1770	200	Y280S-8-H	37	79.8	68.9	740	890	515
Y200L-4-H	30	57.3	49.8	1476	1779	260	Y280M-8-H	45	94.8	80.8	740	890	550
Y225S-4-H	37	70.2	60.3	1481	1783	321	Y315S-78-H	55	113.5	98.6	740	890	1000
Y225M-4-H	45	84.0	73.4	1480	1783	355	Y315M-8-H	75	152.1	132.1	740	890	1100
Y250M-4-H	55	103.8	88.7	1480	1780	417	Y315L1-8-H	90	179.3	155.7	740	890	1160
Y280S-4-H	75	139.2	120.9	1480	1790	550	Y315L2-8-H	110	218.5	189.6	740	890	1230
Y280M-4-H	90	164.3	141.9	1480	1790	650	Y355M1-8-H	132	264.8	229.9	740	890	1500
Y315S-4-H	110	200.8	177.3	1480	1790	1000	Y355M2-8-H	160	320.3	278.1	740	890	1600
Y315M-4-H	132	239.7	211.6	1480	1790	1100	Y355L-8-H	200	399.1	346.5	740	890	1800
Y315L1-4-H	160	289.0	255.2	1480	1790	1160							

安装及外形尺寸

Mounting and overall dimension

B3 机座带底脚、端盖无凸缘

B3 frame with foot, end cover without flange



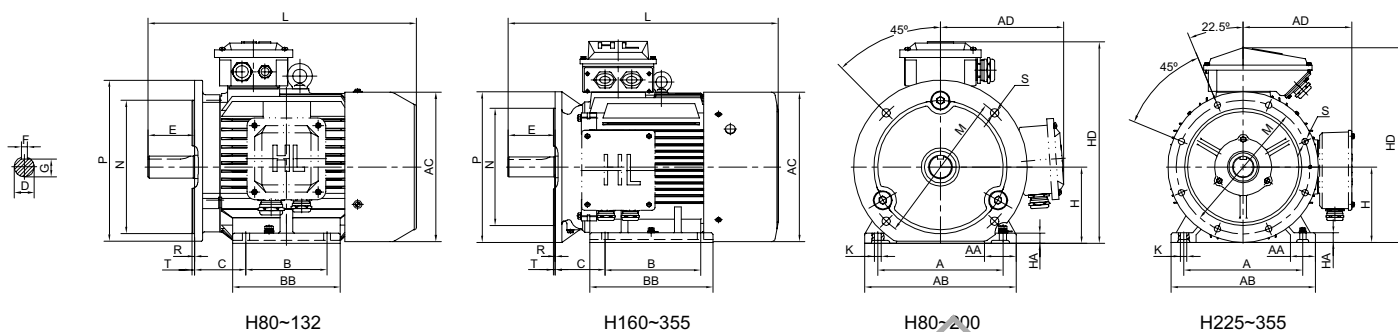
机座 Frame	极数 Pole	安装尺寸 Mounting dimension									外形尺寸 Overall dimension								
		A	B	C	D	E	F	G	H	K	AA	AB	HA	AD	HD	L			
80	2, 4	125	100	50	19	40	6	15.5	80	10	34	130	10	165	175	160	240	295	
90S	2, 4, 6	140	100	56	24	50	8	20	90	10	36	140	12	180	195	175	270	320	
90L	2, 4, 6	140	125	56	24	50	8	20	90	10	36	165	12	180	195	175	270	360	
100L	2, 4, 6	160	140	63	28	60	8	24	100	12	40	176	14	205	215	185	290	385	
112M	2, 4, 6	190	140	70	28	60	8	24	112	12	45	180	15	245	240	195	320	405	
132S	2, 4, 6, 8	216	140	89	38	80	10	33	132	12	55	186	18	280	275	245	365	480	
132M	2, 4, 6, 8	216	178	89	38	80	10	33	132	12	55	224	18	280	275	245	365	520	
160M	2, 4, 6, 8	254	210	108	42	110	12	37	160	15	65	260	20	330	330	270	450	605	
160L	2, 4, 6, 8	254	254	108	42	110	12	37	160	15	65	304	20	330	330	270	450	650	
180M	2, 4, 6, 8	279	241	121	48	110	14	42.5	180	15	70	311	22	355	380	290	480	670	
180L	2, 4, 6, 8	279	279	121	48	110	14	42.5	180	15	70	349	22	355	380	290	480	710	
200L	2, 4, 6, 8	318	305	133	55	110	16	49	200	19	70	369	24	395	420	355	550	780	
225S	4, 8	356	286	149	60	140	18	53	225	19	75	368	28	435	470	370	585	825	
225M	2	356	311	149	55	110	16	49	225	19	75	393	28	435	470	370	585	825	
	4, 6, 8	356	311	149	60	140	18	53	225	19	75	393	28	435	470	370	585	850	
250M	2	406	349	168	60	140	18	53	250	24	80	445	30	490	510	455	660	935	
	4, 6, 8	406	349	168	65	140	18	58	250	24	80	445	30	490	510	455	660	935	
280S	2	457	368	190	65	140	18	58	280	24	85	485	35	550	580	470	730	1020	
	4, 6, 8	457	368	190	75	140	20	67.5	280	24	85	485	35	550	580	470	730	1020	
280M	2	457	419	190	65	140	18	58	280	24	85	536	35	550	580	470	730	1070	
	4, 6, 8	457	419	190	75	140	20	67.5	280	24	85	536	35	550	580	470	730	1070	
315S	2	508	406	216	65	170	18	58	315	28	120	570	45	744	645	576	875	1270	
	4, 6, 8	508	406	216	80	170	22	71	315	28	120	570	45	744	645	576	875	1270	
315M	2	508	457	216	65	170	18	58	315	28	120	680	45	744	645	576	875	1340	
	4, 6, 8	508	457	216	80	170	22	71	315	28	120	680	45	744	645	576	875	1340	
315L	2	508	508	216	65	170	18	58	315	28	120	680	45	744	645	576	875	1340	
	4, 6, 8	508	508	216	80	170	22	71	315	28	120	680	45	744	645	576	875	1340	
355M	2	610	560	254	75	170	20	67.5	355	28	116	750	52	740	750	680	1045	1570	
	4, 6, 8	610	560	254	95	170	25	86	355	28	116	750	52	740	750	680	1045	1570	
355L	2	610	630	254	75	170	20	67.5	355	28	116	750	52	740	750	680	1045	1570	
	4, 6, 8	610	630	254	95	170	25	86	355	28	116	750	52	740	750	680	1045	1570	



安装及外形尺寸

Mounting and overall dimension

B35 机座带底脚、端盖有凸缘 (带通孔)
B35 frame with foot, end cover with flange (with through hole)



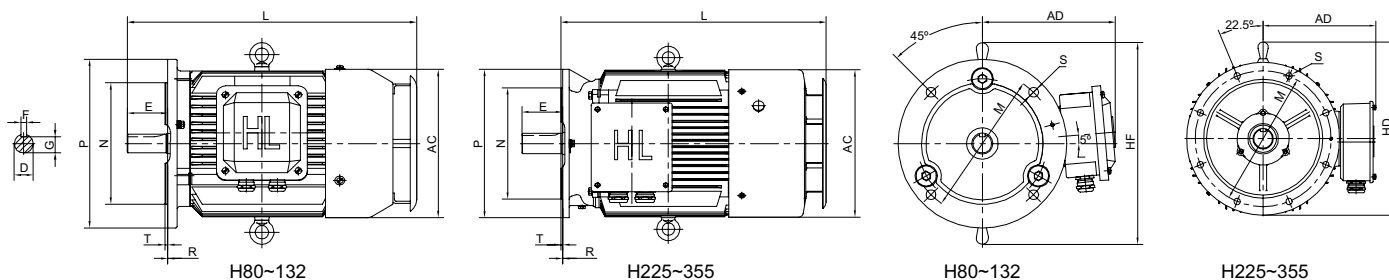
机座	极数	安装尺寸 Mounting dimension														外形尺寸 Overall dimension										
Frame	Pole	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AA	BB	HA	AB	AC	AD	HD	L		
80	2, 4	125	100	50	19	40	6	15.5	80	10	165	130	200	0	4-Ø12	3.5	34	130	10	165	175	160	240	295		
90S	2, 4, 6	140	100	56	24	50	8	20	90	10	165	130	200	0	4-Ø12	3.5	36	140	12	180	195	175	270	320		
90L	2, 4, 6	140	125	56	24	50	8	20	90	10	165	130	200	0	4-Ø12	3.5	36	165	12	180	195	175	270	360		
100L	2, 4, 6	160	140	63	28	60	8	24	100	12	215	180	250	0	4-Ø15	4	40	176	14	205	215	185	290	385		
112M	2, 4, 6	190	140	70	28	60	8	24	112	12	215	180	250	0	4-Ø15	4	45	180	15	245	240	195	320	405		
132S	2, 4, 6, 8	216	140	89	38	80	10	33	132	12	265	230	300	0	4-Ø15	4	55	186	18	280	275	245	365	480		
132M	2, 4, 6, 8	216	178	89	38	80	10	33	132	12	265	230	300	0	4-Ø15	4	55	224	18	280	275	245	365	520		
160M	2, 4, 6, 8	254	210	108	42	110	12	37	160	15	300	250	350	0	4-Ø19	5	65	260	20	330	330	270	450	605		
160L	2, 4, 6, 8	254	254	108	42	110	12	37	160	15	300	250	350	0	4-Ø19	5	65	304	20	330	330	270	450	650		
180M	2, 4, 6, 8	279	241	121	48	110	14	42.5	180	15	300	250	350	0	4-Ø19	5	70	311	22	355	380	290	480	670		
180L	2, 4, 6, 8	279	279	121	48	110	14	42.5	180	15	300	250	350	0	4-Ø19	5	70	349	22	355	380	290	480	710		
200L	2, 4, 6, 8	318	305	133	55	110	16	49	200	19	350	300	400	0	4-Ø19	5	70	369	24	395	420	355	550	780		
225S	4, 8	356	286	149	60	140	18	53	225	19	400	350	450	0	8-Ø19	5	75	368	28	435	470	370	585	825		
225M	2	356	311	149	55	110	16	49	225	19	400	350	450	0	8-Ø19	5	75	393	28	435	470	370	585	825		
	4, 6, 8	356	311	149	60	140	18	53	225	19	400	350	450	0	8-Ø19	5	75	393	28	435	470	370	585	850		
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	8-Ø19	5	80	445	30	490	510	455	660	935		
	4, 6, 8	406	349	168	65	140	18	58	250	24	500	450	550	0	8-Ø19	5	80	445	30	490	510	455	660	935		
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	8-Ø19	5	85	485	35	550	580	470	730	1020		
	4, 6, 8	457	368	190	75	140	20	67.5	280	24	500	450	550	0	8-Ø19	5	85	485	35	550	580	470	730	1020		
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0	8-Ø19	5	85	536	35	550	580	470	730	1070		
	4, 6, 8	457	419	190	75	140	20	67.5	280	24	500	450	550	0	8-Ø19	5	85	536	35	550	580	470	730	1070		
315S	2	508	406	216	65	170	18	58	315	28	600	550	660	0	8-Ø24	6	120	570	45	744	645	576	875	1270		
	4, 6, 8	508	406	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	120	570	45	744	645	576	875	1270		
315M	2	508	457	216	65	170	18	58	315	28	600	550	660	0	8-Ø24	6	120	680	45	744	645	576	875	1340		
	4, 6, 8	508	457	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	120	680	45	744	645	576	875	1340		
315L	2	508	508	216	65	170	18	58	315	28	600	550	660	0	8-Ø24	6	120	680	45	744	645	576	875	1340		
	4, 6, 8, 10	508	508	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	120	680	45	744	645	576	875	1340		
355M	2	610	560	254	75	170	20	67.5	355	28	740	680	800	0	8-Ø24	6	116	750	52	740	750	680	1045	1570		
	4, 6, 8	610	560	254	95	170	25	86	355	28	740	680	800	0	8-Ø24	6	116	750	52	740	750	680	1045	1570		
355L	2	610	630	254	75	170	20	67.5	355	28	740	680	800	0	8-Ø24	6	116	750	52	740	750	680	1045	1570		
	4, 6, 8	610	630	254	95	170	25	86	355	28	740	680	800	0	8-Ø24	6	116	750	52	740	750	680	1045	1570		

安装及外形尺寸

Mounting and overall dimension

V1 立式安装、机座不带底脚、端盖有凸缘、轴伸向下

V1 vertical mounting, frame without foot, end cover with flange, shaft end downwards



机座 Frame	极数 Pole	安装尺寸 Mounting dimension								外形尺寸 Overall dimension					
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80	2, 4	19	40	6	15.5	165	130	200	0	4-Ø12	3.5	175	160	270	335
90S	2, 4, 6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	175	270	365
90L	2, 4, 6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	175	270	400
100L	2, 4, 6	28	60	8	24	215	180	250	0	4-Ø15	4	215	185	300	410
112M	2, 4, 6	28	60	8	24	215	180	250	0	4-Ø15	4	240	195	320	450
132S	2, 4, 6, 8	38	80	10	33	265	230	300	0	4-Ø15	4	275	245	380	535
132M	2, 4, 6, 8	38	80	10	33	265	230	300	0	4-Ø15	4	275	245	380	575
160M	2, 4, 6, 8	42	110	12	37	300	250	350	0	4-Ø19	5	330	270	450	660
160L	2, 4, 6, 8	42	110	12	37	300	250	350	0	4-Ø19	5	330	270	450	705
180M	2, 4, 6, 8	48	110	14	42.5	300	250	350	0	4-Ø19	5	380	290	500	730
180L	2, 4, 6, 8	48	110	14	42.5	300	250	350	0	4-Ø19	5	380	290	500	765
200L	2, 4, 6, 8	55	110	16	49	350	300	400	0	4-Ø19	5	420	355	550	840
225S	4, 8	60	140	18	53	400	350	450	0	8-Ø19	5	470	370	610	890
225M	2	55	110	16	49	400	350	450	0	8-Ø19	5	470	370	610	865
	4, 6, 8	60	140	18	53	400	350	450	0	8-Ø19	5	470	370	610	915
250M	2	60	140	18	53	500	450	550	0	8-Ø19	5	510	455	650	995
	4, 6, 8	65	140	18	58	500	450	550	0	8-Ø19	5	510	455	650	995
280S	2	65	140	18	58	500	450	550	0	8-Ø19	5	580	470	720	1090
	4, 6	75	140	20	67.5	500	450	550	0	8-Ø19	5	580	470	720	1090
280M	2	65	140	18	58	500	450	550	0	8-Ø19	5	580	470	720	1140
	4, 6, 8	75	140	20	67.5	500	450	550	0	8-Ø19	5	580	470	720	1140
315S	2	65	170	18	58	600	550	660	0	8-Ø24	6	645	576	900	1390
	4, 6, 8	80	170	22	71	600	550	660	0	8-Ø24	6	645	576	900	1390
315M	2	65	170	18	58	600	550	660	0	8-Ø24	6	645	576	900	1490
	4, 6, 8	80	170	22	71	600	550	660	0	8-Ø24	6	645	576	900	1490
315L	2	65	170	18	58	600	550	660	0	8-Ø24	6	645	576	900	1490
	4, 6, 8	80	170	22	71	600	550	660	0	8-Ø24	6	645	576	900	1490
355M	2	75	170	20	67.5	740	680	800	0	8-Ø24	6	750	680	1035	1675
	4, 6, 8	95	170	25	86	740	680	800	0	8-Ø24	6	750	680	1035	1675
355L	2	75	170	20	67.5	740	680	800	0	8-Ø24	6	750	680	1035	1675
	4, 6, 8	95	170	25	86	740	680	800	0	8-Ø24	6	750	680	1035	1675

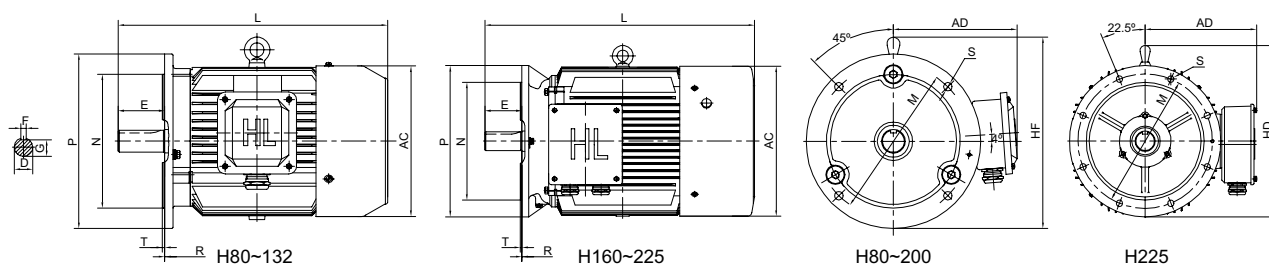


安装及外形尺寸

Mounting and overall dimension

B5 机座不带底脚、端盖有凸缘 (带通孔)

B5 frame without foot, end cover with flange (with through hole)



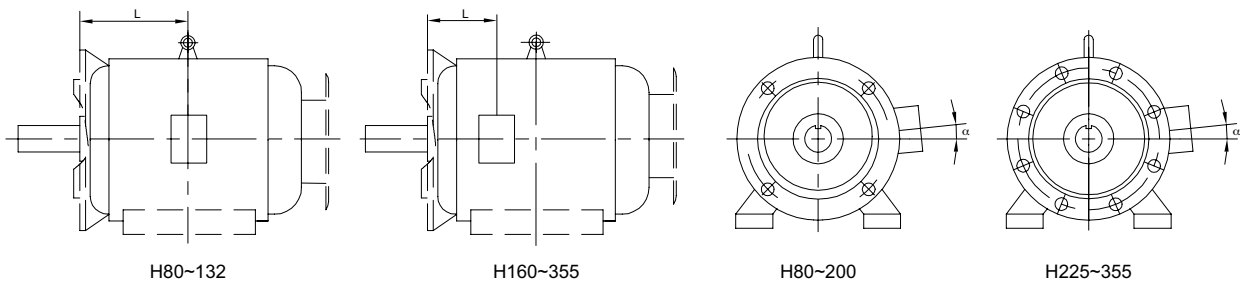
机座 Frame	极数 Pole	安装尺寸 Mounting dimension								外形尺寸 Overall dimension					
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80	2, 4	19	40	6	15.5	165	130	200	0	4-Ø12	3.5	175	160	235	295
90S	2, 4, 6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	175	235	320
90L	2, 4, 6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	175	235	360
100L	2, 4, 6	28	60	8	24	215	180	250	0	4-Ø15	4	215	185	275	385
112M	2, 4, 6	28	60	8	24	215	180	250	0	4-Ø15	4	240	195	285	405
132S	2, 4, 6, 8	38	80	10	33	265	230	300	0	4-Ø15	4	275	245	340	480
132M	2, 4, 6, 8	38	80	10	33	265	230	300	0	4-Ø15	4	275	245	340	520
160M	2, 4, 6, 8	42	110	12	37	300	250	350	0	4-Ø19	5	330	270	400	605
160L	2, 4, 6, 8	42	110	12	37	300	250	350	0	4-Ø19	5	330	270	400	650
180M	2, 4, 6, 8	48	110	14	42.5	300	250	350	0	4-Ø19	5	380	290	500	670
180L	2, 4, 6, 8	48	110	14	42.5	300	250	350	0	4-Ø19	5	380	290	500	710
200L	2, 4, 6, 8	55	110	16	49	350	300	400	0	4-Ø19	5	420	355	550	780
225S	4, 8	60	140	18	53	400	350	450	0	8-Ø19	5	470	370	610	825
225M	2	55	110	16	49	400	350	450	0	8-Ø19	5	470	370	610	825
	4, 6, 8	60	140	18	53	400	350	450	0	8-Ø19	5	470	370	610	850



安装及外形尺寸

Mounting and overall dimension

右出线电动机接线盒安装位置
Mounting place of the connection box for right outlet motors



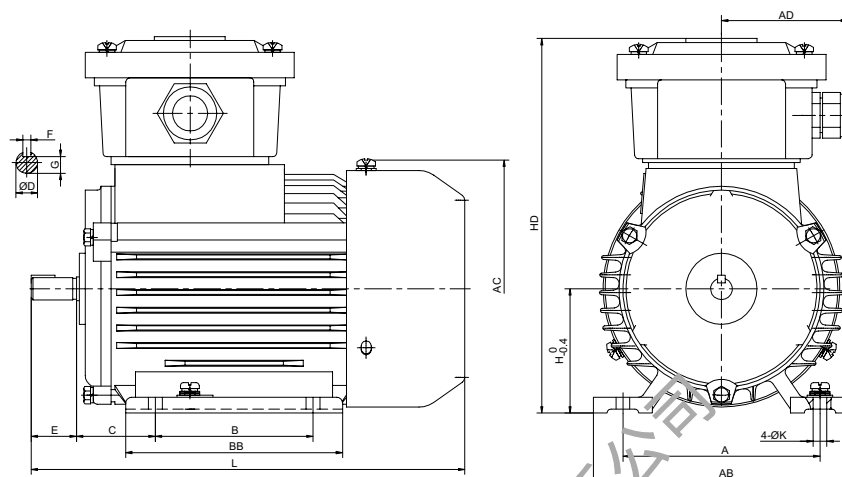
机座号 Frame no	L (mm)	α	备注 Remark	机座号 Frame no	L (mm)	α	备注 Remark
Y80-H	100	7.5°	居中	Y180-H	161	5°	
Y90S-H	106	7.5°	居中	Y200L-H	186	0°	
Y90L-H	118.5	7.5°	居中	Y225-H	189	0°	
Y100L-H	133	7.5°	居中	Y250-H	207	0°	
Y112M-H	140	5°	居中	Y280-H	215.5	0°	
Y132S-H	159	4°	居中	Y315-H	257	0°	
Y132M-H	178	4°	居中	Y355-H	281	0°	
Y160-H	146	4°					

注：本产品样本中，所有产品数据参数及图样仅供参考。
Note: In the product sample, all products data, parameters and drawings are just for reference.

YH 小电机主要技术参数

Main technical parameters for YH small size motors

Y50~71-H-B3- 机座 Frame

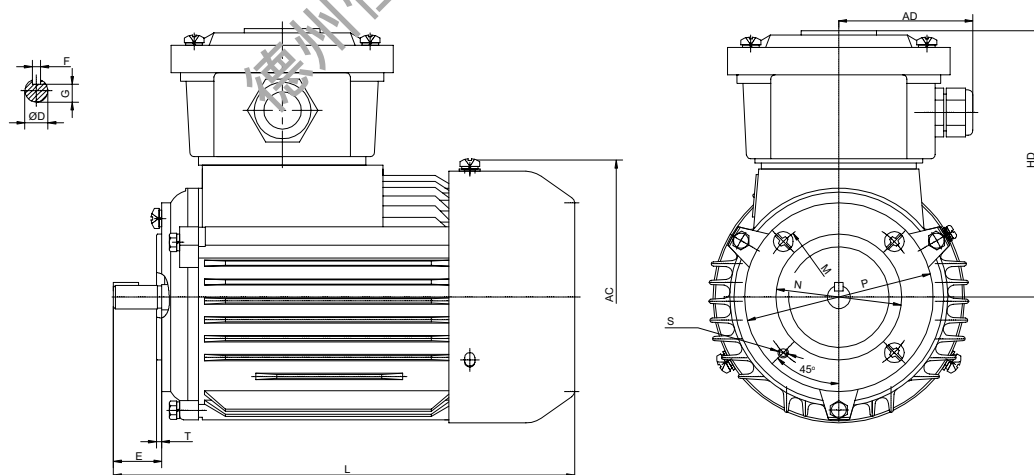


机座号 Frame no	A	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L
50	80	63	32	9	20	3	7.2	50	7	100	110	85	125	190
56	90	71	36	9	20	3	7.2	56	7	115	120	85	135	210
63	100	80	40	11	23	4	8.5	63	7	130	130	85	195	230
71	112	90	45	14	30	5	11	71	7	150	150	85	210	255

注：外形及尺寸仅供参考。

Note: Overall and dimension is just for reference.

Y50~71-H-B14- 机座 Frame



机座号 Frame no	D	E	F	G	M	N	P	S	T	AC	AD	HD	L
50	9	20	3	7.2	55	40	70	M5	2.5	110	85	100	190
56	9	20	3	7.2	65	50	80	M5	2.5	120	85	110	210
63	11	23	4	8.5	75	60	90	M5	2.5	130	85	135	230
71	14	30	5	11	85	70	105	M5	2.5	150	85	135	255

注：外形及尺寸仅供参考。

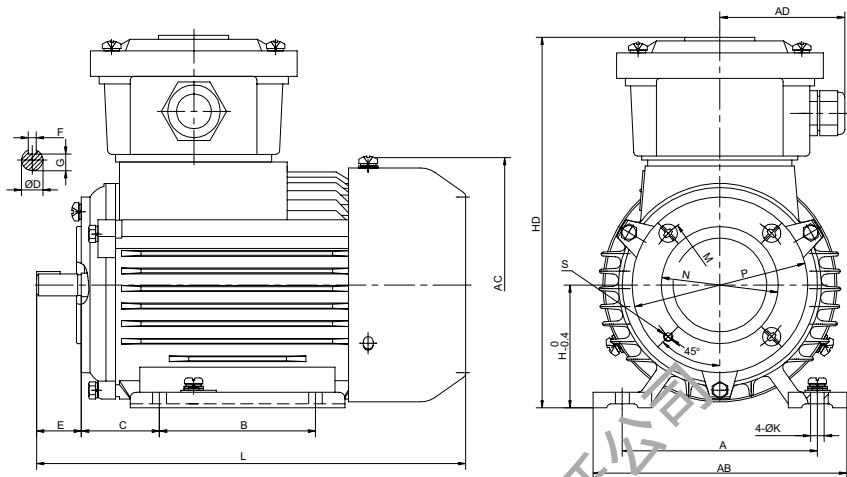
Note: Overall and dimension is just for reference.



YH 小电机主要技术参数

Main technical parameters for YH small size motors

Y50~71-HHB34- 机座 Frame



机座号 Frame no	A	B	C	D	E	F	G	H	K	M	N	P	S	T	AB	AC	AD	HD	L
50	80	63	32	9	20	3	7.2	50	5.8	55	40	70	M5	2.5	100	110	85	125	190
56	90	71	36	9	23	3	7.2	56	7.0	65	50	86	M5	3.0	115	120	85	145	210
63	100	80	40	11	23	4	8.5	63	7.0	75	60	90	M5	2.5	130	130	85	195	230
71	112	90	45	14	30	5	11	71	7.0	85	70	105	M6	2.5	150	150	85	210	255

注：外形及尺寸仅供参考。
Note: Overall and dimension is just for reference.

铭牌数据 50~71- 机座
Nameplate data frame

机座号 Frame no	功率 (kW) Power	电流 Current (A)		转速 Speed (r/min)	
		380V/50Hz	440V/60Hz	380V/50Hz	440V/60Hz
Y501-2-H	0.04	0.17	0.15	2800	3400
Y502-2-H	0.06	0.33	0.28	2800	3360
Y501-4-H	0.025	0.17	0.15	1400	1700
Y502-4-H	0.04	0.23	0.20	1400	1700
Y561-2-H	0.09	0.32	0.28	2800	3400
Y562-2-H	0.12	0.38	0.33	2800	3400
Y561-4-H	0.06	0.35	0.30	1400	1700
Y562-4-H	0.09	0.39	0.33	1400	1700
Y631-2-H	0.18	0.62	0.54	2800	3360
Y632-2-H	0.25	0.68	0.60	2800	3360
Y631-4-H	0.12	0.44	0.38	1310	1570
Y632-4-H	0.18	0.62	0.54	1310	1570
Y711-2-H	0.37	0.99	0.86	2800	3360
Y712-2-H	0.55	1.4	1.2	2800	3360
Y711-4-H	0.25	0.79	0.68	1310	1570
Y712-4-H	0.37	1.12	0.97	1310	1570

注：数据仅供参考，一切以电机上铭牌数据为准。
Note: All above data is just for reference, taking the data on the nameplate as standard.



Y-H 系列船用低压大功率 三相异步电动机 (H400-H560)

Y-H series Marine Low voltage Big power Three-phase Induction Motor (H400-H560)

Y-H 系列船用低压大功率三相异步电动机 (H400-H560) 是按照国家标准 GB755 《旋转电机 性能和定额》、GB/T7060 《船用旋转电机基本技术要求》、Q/DDJ056 《船用三相异步电动机 (大功率) 技术条件》设计制造 , 已取得 CCS 认证 , 同时满足 ABS、BV、LR、DNV.GL、KR、NK、RINA 等部分要求。The motors are designed accordance with GB755 standard <Rotating electrical machines -- rating and performance>, GB/T7060 <General specifications for rotary electrical machines in ships >and Q/DDJ056 <Specifications for marine three phase induction motor (big power) >. They have gained CCS certificate and fulfilled partial requirements of ABS, BV, LR, DNV.GL, KR, NK and RINA.



标准和认证 Standard and certification

该系列电机也符合以下标准和规范的有关要求

The motors also comply with the relevant requirements of the following standards and specifications

IEC60034	旋转电机 Rotating electrical machines
IEC60068	基本环境试验程序 Basic environmental testing procedure
IEC60072	旋转电机安装尺寸及功率 Dimensions and output ratings for rotating electrical machines
IEC60092	船用电气设备 (装备) Marine electric apparatus (equipments)
《钢质海船入级与建造规范》 <Rules for the construction of sea-going steel ships>	

电气特性 Electrical characteristics

工作环境条件 Operating Conditions

环境温度 Ambient temperature	-25~+45°C	冲击、振动 Shock and vibration	有 exists
周期横摇 Periodic rolling	±22.5°	横倾 Heel	15°
空气相对湿度 Relative humidity	≤ 95%	凝露、盐雾、油雾 Dew, salt mist, oil mist	有 exists
海拔 Altitude	1000m 以下 Below 1000m	纵倾 Trim	10°

基准特征 Basic features

额定电压 Rated voltage	380V/440V	额定频率 Rated frequency	50Hz/60Hz
绝缘等级 Insulation class	F 级 /H 级 F level /H level	防护等级 Protection class	IP44/IP54/IP55/IP56
工作制 Duty	S1	安装方式 Mounting way	IM1001
冷却方式 Cooling method	IC411/IC416		



主要技术参数 Main technical parameters

电机型号 Type	功率 Power (kW)	电制 Voltage/Frequency	额定电流 Rated current (A)	效率 Efficiency (%)	功率因数 Power factor
Y4001-4-H	400	380V/50Hz	740	94.4	0.87
Y4002-4-H	450	380V/50Hz	801	95.9	0.89
Y4003-4-H	500	380V/50Hz	912	95.7	0.87
Y4004-4-H	560	380V/50Hz	1010	95.7	0.88
Y4005-4-H	630	380V/50Hz	1114	96.6	0.89
Y4501-4-H	630	380V/50Hz	1114	96.5	0.89
Y4502-4-H	710	380V/50Hz	1256	96.5	0.89
Y4503-4-H	800	380V/50Hz	1398	96.6	0.90
Y4504-4-H	900	380V/50Hz	1573	96.6	0.90
Y5001-4-H	900	380V/50Hz	1573	96.6	0.90
Y5002-4-H	1000	380V/50Hz	1767	96.6	0.89
Y5003-4-H	1120	380V/50Hz	1979	96.6	0.89
Y5004-4-H	1250	380V/50Hz	2209	96.6	0.89
Y5601-4-H	1500	380V/50Hz	2651	96.6	0.89
Y4001-6-H	315	380V/50Hz	612	96.5	0.81
Y4002-6-H	355	380V/50Hz	691	95.2	0.82
Y4003-6-H	400	380V/50Hz	770	96.2	0.82
Y4004-6-H	450	380V/50Hz	865	96.3	0.82
Y4005-6-H	500	380V/50Hz	949	96.4	0.83
Y4501-6-H	500	380V/50Hz	949	96.4	0.83
Y4502-6-H	560	380V/50Hz	1051	96.4	0.84
Y4503-6-H	630	380V/50Hz	1181	96.5	0.84
Y4504-6-H	710	380V/50Hz	1331	96.5	0.84
Y5001-6-H	800	380V/50Hz	1431	96.5	0.88
Y5002-6-H	900	380V/50Hz	1610	96.5	0.88
Y5003-6-H	1000	380V/50Hz	1789	96.5	0.88
Y5004-6-H	1120	380V/50Hz	2004	96.5	0.88
Y5601-6-H	1250	380V/50Hz	2236	96.5	0.88
Y4001-8-H	315	380V/50Hz	598	95.2	0.84
Y4002-8-H	355	380V/50Hz	670	95.8	0.84
Y4501-8-H	400	380V/50Hz	759	95.3	0.84
Y4502-8-H	450	380V/50Hz	850	95.7	0.84
Y4503-8-H	500	380V/50Hz	959	95.5	0.83
Y4504-8-H	560	380V/50Hz	1055	96.0	0.84
Y5001-8-H	630	380V/50Hz	1213	96.2	0.82
Y5002-8-H	710	380V/50Hz	1367	96.2	0.82
Y5003-8-H	800	380V/50Hz	1541	96.2	0.82
Y5601-8-H	900	380V/50Hz	1733	96.2	0.82

表中数据仅供参考，实际数据以供货铭牌数据为准。

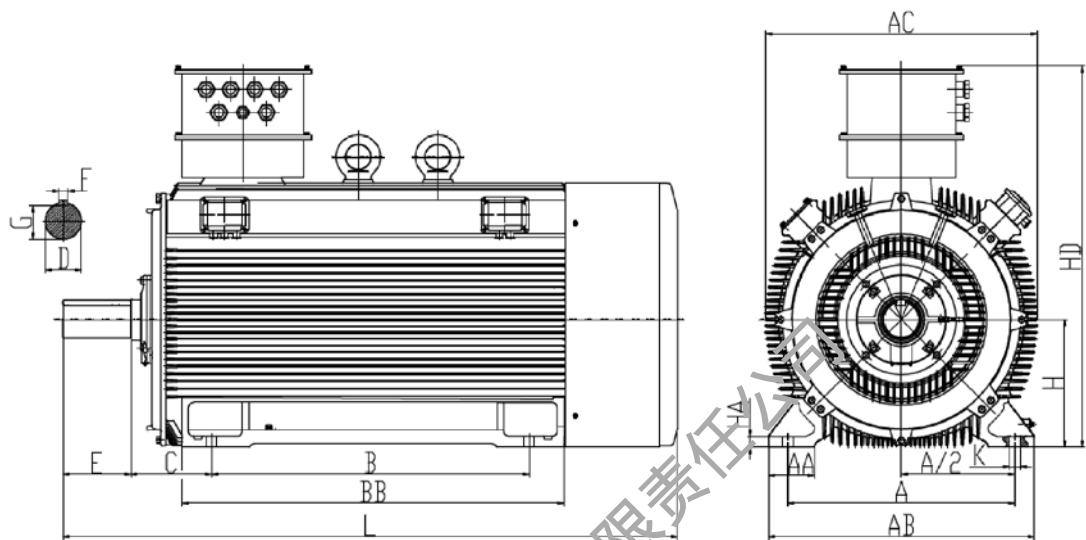
All above data is just for reference, taking the data on the nameplate as standard.



安装及外形尺寸

Mounting and overall dimension

安装尺寸图 (H400~H560)
Mounting dimension drawing



机座号	安装尺寸 Mounting dimension								
Frame	A	B	C	D	E	F	G	H	K
400	710	900	224	120	210	32	109	400	35
450	800	1000	250	130	250	32	119	450	42
500	950	1250	315	140	250	36	128	500	42
560	1000	1400	355	160	300	40	147	560	52

机座号	外形尺寸 Overall dimension						
Frame	AB	AC	HD	BB	HA	AA	L
400	840	860	1220	1140	52	135	1975
450	990	954	1360	1300	52	190	2200
500	1130	1068	1570	1560	48	180	2400
560	1180	1195	1680	1680	48	200	2800

外形及安装尺寸图仅供参考，实际尺寸以双方确认图为准。也可根据用户要求定制其它非标产品，例如：异安装方式、异功率、异结构等。
Overall and mounting dimension drawings are just for reference, the actual dimensions are on the basis of both parties confirmation.
Non – standard products are accepted by the customer's requirements. For example: different mounting way, different power, different structure and other requirements.



Y-H 系列船用三相异步电动机 (配电磁失电直流制动器)

Y-H Series Marine Three-phase Induction Motor (Equipped with Electromagnetic loss dc brake)

Y-H 系列船用三相异步电动机(配电磁失电制动器)是按照国家标准 GB755《旋转电机 性能和定额》、GB/T7060《船用旋转电机基本技术要求》、JB/T5273《Y-H 系列船用三相异步电动机技术条件》设计制造,具有性能好、体积小、噪音低、工作可靠、维修方便、外形美观、抗冲击能力强等特点。适用于各类船舶作短时定额的机械电力拖动之用,如锚机、绞盘机、吊机、舷梯绞车等。

The motors are designed accordance with GB755 standard <Rotating electrical machines -- rating and performance>, GB/T7060 <General specifications for rotary electrical machines in ships> and JB/T5273 <Specifications for Y-H marine three phase induction motor>. They have the advantages of good performance, small volume, low noise, reliable working, convenient maintenance, beautiful appearance, strong anti-shock ability. They are used as mechanical electrical dragging in short time quota on every kind of ships. For example, anchors, winches, cranes and accommodation ladder winches.



标准和认证 Standard and certification

该系列电机也符合以下标准和规范的有关要求

The motors also comply with the relevant requirements of the following standards and specifications

IEC60034	旋转电机 Rotating electrical machines
IEC60068	基本环境试验程序 Basic environmental testing procedure
IEC60072	旋转电机安装尺寸及功率 Dimensions and output ratings for rotating electrical machines
IEC60092	船用电气设备 (装备) Marine electric apparatus (equipments)
《钢质海船入级与建造规范》 <Rules for the construction of sea-going steel ships>	

电动机还符合下列船级社规范的部分要求

The motors are also in conformity with partial specifications of the following Ships Classification Societies, such as

ABS、BV、LR、DNV.GL、KR、NK、RINA

电气特性 Electrical characteristics

工作环境条件 Operating Conditions

环境温度 Ambient temperature	-25~+45°C	冲击、振动 Shock and vibration	有 exists
周期横摇 Periodic rolling	±22.5°	横倾 Heel	15°
空气相对湿度 Relative humidity	≤ 95%	凝露、盐雾、油雾 Dew, salt mist, oil mist	有 exists
海拔 Altitude	0m	纵倾 Trim	10°



主要技术参数

Main technical parameters

型号 Type	工作方式 Duty S2-min	额定功率 Rated power (kW)	额定转速 Rated speed (r/min)		额定电流 Rated current (A)		起动转矩 Starting torque/ Rated torque	最大转矩 Max. torque/ Rated torque	起动电流 Starting current/ Rated current
			380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz			
Y112M-4-H	30	4	1440	1750	8.9	7.7	2.3	2.5	7.5
Y112M-6-H	30	2.2	940	1150	5.8	5.2	1.9	2.0	6.2
Y132S-4-H	30	5.5	1440	1750	11.7	10	2.0	2.3	7.0
Y132M-4-H	30	7.5	1440	1750	15.4	13.2	2.2	2.5	7.6
Y132S-6-H	30	3	960	1170	7.2	6.4	1.8	2.1	6.0
Y132M1-6-H	30	4	960	1170	9.5	8.2	1.8	2.1	6.5
Y132M2-6-H	30	5.5	960	1170	12.5	10.7	2.0	2.2	6.5
Y132S-8-H	30	2.2	710	860	5.8	5.2	1.8	2.1	4.5
Y132M-8-H	30	3	710	860	7.6	6.8	1.9	2.2	5.0
Y160M-4-H	30	11	1460	1760	22.6	19.5	1.9	2.5	7.5
Y160L-4-H	30	15	1460	1760	30.5	26.3	2.3	2.6	8.0
Y160M-6-H	30	7.5	970	1170	17.1	14.8	2.0	2.3	7.0
Y160L-6-H	30	11	970	1170	25.0	21.7	1.8	2.0	7.0
Y160M1-8-H	30	4	720	870	10.5	9.1	2.0	2.3	6.2
Y160M2-8-H	30	5.5	720	870	13.4	11.5	1.7	2.0	5.0
Y160L-8-H	30	7.5	720	870	17.5	15.5	2.0	2.3	6.5
Y180M-4-H	30	18.5	1470	1770	35.9	30.8	2.1	2.4	7.8
Y180L-4-H	30	22	1470	1770	42.2	36.9	2.0	2.5	7.5
Y180L-6-H	30	15	970	1180	33.0	29.3	1.8	2.4	7.0
Y180L-8-H	30	11	730	880	25.6	22.2	2.0	2.4	6.0
Y200L-4-H	30	30	1480	1780	57.3	49.8	2.3	2.7	7.5
Y200L1-6-H	30	18.5	980	1180	37.6	32.7	2.0	2.5	7.0
Y200L2-6-H	30	22	980	1180	44.7	38.9	2.2	2.5	7.0
Y200L-8-H	30	15	730	880	33.3	29.2	2.0	2.4	6.2
Y225S-4-H	30	37	1480	1780	70.2	60.3	2.3	2.8	8.0
Y225M-4-H	30	45	1480	1780	84.0	73.4	2.3	2.7	7.6
Y225M-6-H	30	30	990	1190	61.1	53.1	1.7	2.1	6.5
Y225S-8-H	30	18.5	740	890	40.3	35.6	1.9	2.2	6.5
Y225M-8-H	30	22	730	890	47.4	41.7	1.9	2.2	6.5
Y250M-4-H	30	55	1480	1780	103.8	88.7	2.0	2.6	7.5
Y250M-6-H	30	37	980	1180	71.0	61.3	2.0	2.7	7.5
Y250M-8-H	30	30	740	890	64.7	57.1	2.0	2.4	6.2
Y280S-4-H	30	75	1480	1790	139.2	120	2.1	2.6	7.0
Y280M-4-H	30	90	1480	1790	164.3	141.9	2.6	3.0	8.2
Y280S-6-H	30	45	980	1190	86.4	74.6	2.0	2.7	7.5
Y280M-6-H	30	55	980	1190	103.2	89.7	1.9	2.7	7.5
Y280S-8-H	30	37	740	890	79.8	68.9	1.9	2.1	6.0
Y280M-8-H	30	45	740	890	94.8	80.8	1.9	2.2	6.2

1. 可根据客户要求设计连续定额 S1 工作制。

2. 可定制需要高转矩场合的产品需求。

3. 可设计特殊功率、特殊电压产品。

4. 表中数据仅供参考，实际数据以供铭牌数据为准。

1. They can be designed to continuous S1 duty as customer's requirements.

2. They can be designed to meet the requirements of high torque needed place.

3. They can be designed to special powers and voltages.

4. All above data is just for reference, taking the data on the nameplate as standard.



电磁失电直流制动器技术数据

Technical data of electromagnetic loss dc brake

型号 Type	制动力矩 Brake torque N.m	电压 Voltage V	电流 Current A	功率 Power W
112	40	DC110	1.37	175
132	80	DC110	1.86	190
160	160	DC110	1.8	200
180	250	DC110	2.2	240
200	350	DC110	2.5	275
225	600	DC110	2.45	270
250	800	DC110	2.89	320
280	1500	DC110	2.73	300

1. 表中的数据为制动器标准数据，制动器为恒力自己生产。
2. 制动器防护等级：IP56，手动释放方式：螺栓释放。
3. 可根据客户要求设计特殊电压制动器。
4. 如有需求，可配置整流器（整流器不可输入变频电源）。
5. 如有制动器品牌要求：

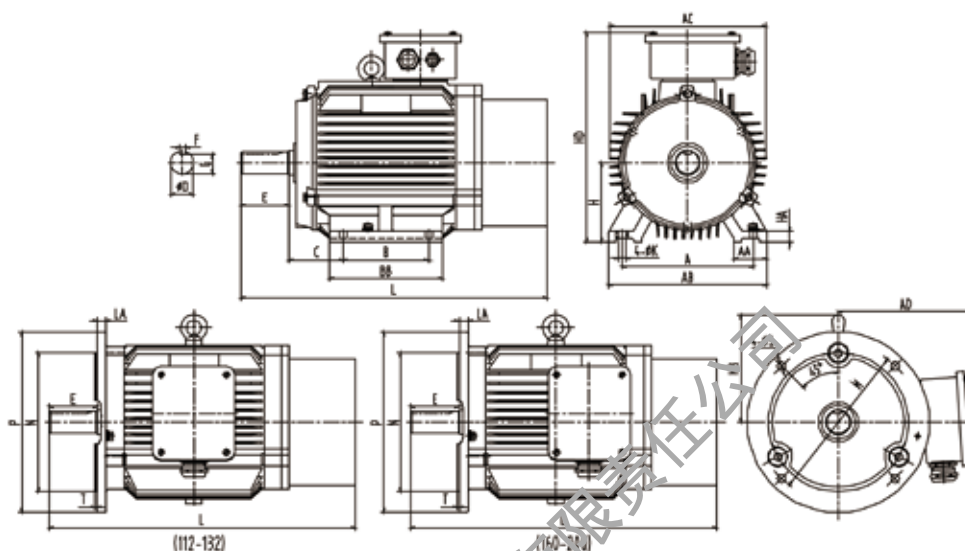
可选配品牌：天津永恒泰 BN 系列或 S 系列、芜湖或广德品牌、德国 Precima FDB 或 FDW 系列。

6. 该数据仅供参考，实际数据以供货铭牌数据为准。

1. The data in the table is brake's standard data; the brake is made by Hengli itself.
2. Protection class of the brake is IP56, manual release method: bolt release.
3. It can be designed to special voltage brake as customer's requirements.
4. If there is the requirement, we can equip the rectifier (the rectifier can't input variable frequency power supply).
5. If there is the requirement for brake brand, the brand names can be: Tianjin Yonghengtai BN series or S series, Wuhu or Guangde brand, Germany Precima FDB or FDW series.
6. All above data is just for reference, taking the data on the nameplate as standard.

安装及外形尺寸 Mounting and overall dimensions

安装尺寸图 (112~200)
Mounting dimension drawings



IMB3

机座 Frame	A	AA	AB	AC	AD	B	BB	C	D	E	F	G	H	K	HA	HD	L
112M	190	45	230	240	225	140	180	70	28	60	8	24	112	12	15	335	455
132S	216	55	262	260	245	170	186	89	38	80	10	33	132	12	18	355	515
132M	216	55	262	260	245	178	224	89	38	80	10	33	132	12	18	355	560
160M	254	65	314	330	280	210	260	108	42	110	12	37	160	15	20	450	680
160L	254	65	314	330	280	254	304	108	42	110	12	37	160	15	20	450	724
180M	279	70	349	380	300	241	311	121	48	110	14	42.5	180	15	22	485	760
180L	279	70	349	380	300	279	349	121	48	110	14	42.5	180	15	22	485	800
200L	318	70	388	420	320	305	369	133	55	110	16	49	200	18.5	25	535	880

IMB5、IMV1、IMV3

机座 Frame	HB	LA	M	N	P	S	T
112	160	14	215	180	250	15	4
132	190	14	265	230	300	15	4
160	235	15	300	250	350	18.5	5
180	260	15	300	250	350	18.5	5
200	280	17	350	300	400	18.5	5

外形安装尺寸图仅供参考，实际尺寸以双方确认图为准。

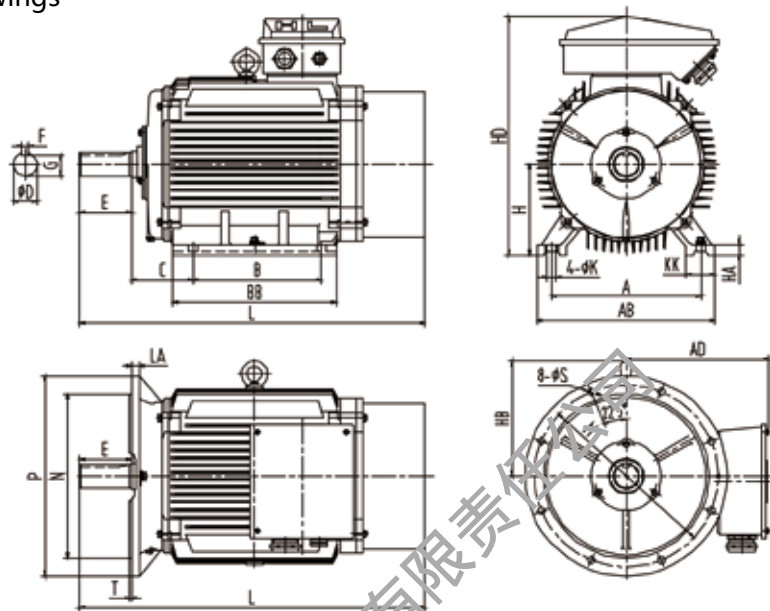
Overall and mounting dimension drawings are just for reference, the actual dimensions are on the basis of both parties confirmation.



安装及外形尺寸

Mounting and overall dimensions

安装尺寸图 (225~280)
Mounting dimension drawings



IMB3																	
机座 Frame	A	AA	AB	AC	AD	B	BB	C	D	E	F	G	H	K	HA	HD	L
225S	356	75	431	470	350	286	368	149	60	140	18	53	225	18.5	28	580	950
225M	356	75	431	470	350	311	393	149	60	140	18	53	225	18.5	28	580	975
250M	406	80	484	510	410	349	445	168	65	140	18	58	250	24	30	660	1020
280S	457	85	542	580	430	368	485	190	75	140	20	67.5	280	24	35	730	1075
280M	457	85	542	580	430	419	536	190	75	140	20	67.5	280	24	35	730	1130

IMB5、IMV1、IMV3							
机座 Frame	HB	LA	M	N	P	S	T
225	305	20	400	350	450	18.5	5
250	325	22	500	450	550	18.5	5
280	375	22	500	450	550	18.5	5

外形安装尺寸图仅供参考，实际尺寸以双方确认图为准。
Overall and mounting dimension drawings are just for reference, the actual dimensions are on the basis of both parties confirmation.



M2E-H 系列船用高效率三相异步电动机

M2E-H Series Marine High-efficiency Three-phase Induction Motor

M2E-H 系列为全封闭，自扇冷式，船用高效率三相笼型异步电动机，本系列电动机具有效率高、噪声低、结构合理、外形美观、防护等级、绝缘等级高的优点，适用于船舶和石油平台上作驱动各种机械，如泵类、通风机、分离器、液压机械及其它辅助设备之用。

M2E-H 系列是按照国际电工委员会标准 IEC60034-1《旋转电机 定额和性能》和现行的《钢质海船入级与建筑规范》以及 GB18613-2012《中小型三相异步电动机能效限定值及能效等级》中的 2 级标准设计的。是中国船级社 CCS 型式认可产品。

The motors are totally closed; fan cooled marine high efficiency three phase squirrel-cage motors. They have the advantages of high efficiency, low noise, reasonable structure, beautiful appearance, high protection class and insulation class. They are suitable for driving various machines on ships and oil platform, such as pumps, blowers, separators, hydraulic engines and other auxiliary equipments.

The motors are designed accordance with IEC60034-1 standard <Rotating electrical machines -- rating and performance>, <Rules for the construction of sea-going steel ships> and Grade 2 standard of GB18613-2012 < Minimum allowable values of energy efficiency and energy efficiency grades for small and medium three-phase asynchronous motors >. They are the products approved by CCS Type approval.



标准和认证

Standard and certification

电动机也符合以下标准和规范的有关要求
The motors also comply with the relevant requirements of the following standards and specifications

IEC60034	旋转电机 Rotating electrical machines
IEC60068	环境试验 Environmental testing
IEC60072	旋转电机的尺寸及功率等级 Dimensions and output ratings for rotating electrical machines
IEC60092	船用电器设备 Marine electric apparatus

电动机还符合以下船级社规范的部分要求
The motors are also in conformity with partial specifications of the following Ships Classification Societies

DNV.GL	挪威船级社 DET NORSKE VERITAS, Germanischer Lloyd
LR	英国劳氏船级社 Lloyd's Register of Shipping
NK	日本海事协会 (日本船级社) Nippon Kaiji Kyokai
BV	法国船级社 BUREAU VERITAS
ABS	美国船级社 America bureau of shipping
KR	韩国船级社 Korean register of shipping
RINA	意大利船级社 Registro Italiano Navale
RS	俄罗斯船舶登记局 Russian Maritime Register of Shipping

型号命名

Type name

电动机的型号由字母和数字组成。
The type consists of several letters and digits.

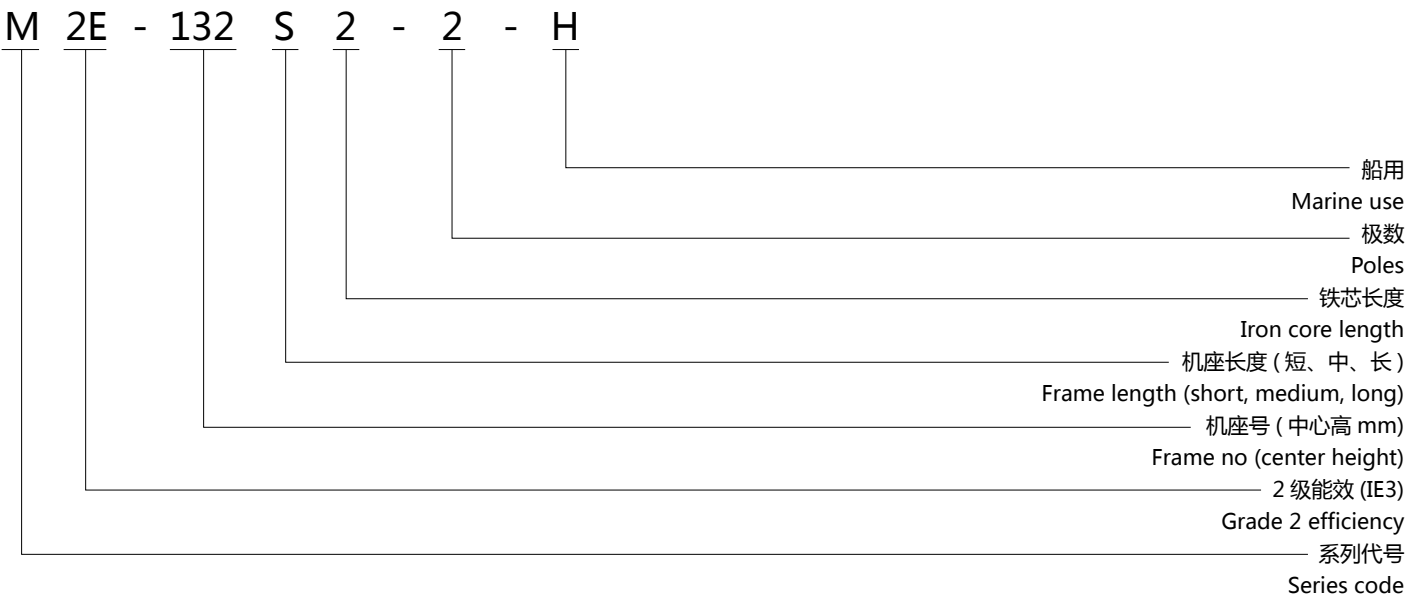




表 Table 1

机座号 Frame no	极数 Pole	轴承 Bearing	
		主轴伸端 DE	
		B3、B5、B35	V1
80	2, 4	6204-2RS/C3	6204-2RS/C3
90	2, 4, 6	6205-2RS/C3	6205-2RS/C3
100	2, 4, 6	6206-2RS/C3	6206-2RS/C3
112	2, 4, 6, 8	6206-2RS/C3	6206-2RS/C3
132	2, 4, 6, 8	6208-2RS/C3	6208-2RS/C3
160	2, 4, 6, 8	6309-2RS/C3	6309-2RS/C3
180	2, 4, 6, 8	6311/C3	6311/C3
200	2, 4, 6, 8	6312/C3	6312/C3
225	2/4, 6, 8	6312/C3/6313/C3	6312/C3
250	2/4, 6, 8	6313/C3/6314/C3	6313/Z2
280	2/4, 6, 8	6314/C3/6317/C3	6314/C3
315	2/4, 6, 8	6317/Z2/N319/Z2	7317ACJ/7319ACJ 6317/Z2/6319/Z2
355	2/4, 6, 8	6319/Z2/N322/Z2	7319ACJ/7322ACJ 6319/Z2/6322/Z2

电气特性 Electrical characteristics

工作条件 Operating Conditions

环境空气温度
Temperature of Ambient air 0°C ~45°C

海拔
Altitude 0m

空气相对湿度
Relative humidity ≤ 95%

凝露; 盐雾; 油雾; 霉菌; 冲击; 振动 有
Dew, salt mist, oil mist, fungus, shock, vibration exist

倾斜摇摆
Inclination and wing ±22.5°

接法 Connection

3 千瓦及以下者
3KW and below Y

大于 3 千瓦者
More than 3KW Δ

电压、频率 Voltage, frequency

额定电压
Rated voltage 380V 或 (or) 440V

额定频率
Rated frequency 50Hz 或 (or) 60Hz

工作方式 Duty

连续工作制 (S1)
Continuous duty

绝缘、温升 Insulation, temperature rise

绝缘
Insulation F 级

绕组温升 (电阻法)
Winding temperature rise (Resistance method) 75K

轴承允许温度 (温度计法)
Bearing allowance temperature (thermometer method) 90°C



机械特性

Mechanical characteristics

起动方式 Starting method

采用满压直接起动，在空载或轻载时，允许采用降压起动。
Direct on full-voltage starting for all sizes, reducing voltage starting allowable at no-load or light load.

传动方式 Driving Method

电动机可用皮带轮，正齿轮或弹性联轴器传动。
Pulley, spur or flexible coupling can be used for driving.

振动 Vibration

电动机在空载时测得的振动烈度（有效值）不超过表 2 的数值。
The effective values of vibration velocity that measured at the no-load conditions do not exceed the values given in table 2.

表 Table 2

机座号 Frame no	80~132	160~225	250~355
振动烈度（有效值）（毫米 / 秒） 自由悬置 Free suspension	1.6	2.2	2.8
Vibration velocity (Effective value) 刚性安装 Rigid mounting	1.3	1.8	2.3

主要技术参数

Main technical parameters

表 Table 3

型号 Type	功率 Power (kW)	额定电流 Rated current (A)		额定转速 Rated speed (r/min)		效率 Efficiency Eff. %		功率因数 Power factor PF		堵转电流 Locked current		堵转转矩 Locked torque	最大转矩 Max. torque
		380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	额定电流 Rated current	额定转矩 Rated torque
M2E-80M1-2-H	0.75	1.72	1.60	2820	3460	80.7	77.0	0.82	0.80	7.5	8.1	2.3	2.3
M2E-80M2-2-H	1.1	2.43	2.10	2820	3460	82.7	84.0	0.83	0.83	7.7	8.3	2.2	2.3
M2E-90S-2-H	1.5	3.22	2.86	2840	3470	84.2	84.0	0.84	0.82	7.8	8.8	2.2	2.3
M2E-90L-2-H	2.2	4.58	4.02	2840	3470	85.9	86.5	0.85	0.83	9.0	8.9	2.2	2.3
M2E-100L-2-H	3	6.02	5.29	2880	3490	87.1	86.5	0.87	0.86	8.2	8.7	2.2	2.3
M2E-112M-2-H	4	7.8	6.8	2890	3500	88.1	88.5	0.88	0.86	8.0	8.8	2.2	2.3
M2E-132S1-2-H	5.5	10.6	9.3	2900	3520	89.2	89.5	0.88	0.87	7.7	7.7	2.0	2.3
M2E-132S2-2-H	7.5	14.4	12.5	2900	3520	90.1	90.2	0.88	0.87	7.8	8.1	2.0	2.3
M2E-160M1-2-H	11	20.6	17.8	2930	3540	91.2	91.0	0.89	0.89	7.8	7.5	2.0	2.3
M2E-160M2-2-H	15	27.9	24.3	2930	3540	91.9	91.0	0.89	0.89	8.2	8.2	2.0	2.3
M2E-160L-2-H	18.5	34.2	29.7	2940	3550	92.4	91.7	0.89	0.89	8.8	8.8	2.0	2.3
M2E-180M-2-H	22	40.5	35.4	2955	3560	92.7	91.7	0.89	0.89	6.7	7.0	2.0	2.3
M2E-200L1-2-H	30	54.9	47.9	2955	3560	93.3	92.4	0.89	0.89	8.5	8.7	2.0	2.3
M2E-200L2-2-H	37	67.4	58.7	2955	3560	93.7	93.0	0.89	0.89	8.6	8.8	2.0	2.3
M2E-225M-2-H	45	80.8	71.7	2965	3575	94.0	93.6	0.90	0.88	8.2	8.5	2.0	2.3
M2E-250M-2-H	55	98.5	86.6	2970	3580	94.3	93.6	0.90	0.89	8.5	8.7	2.0	2.3
M2E-280S-2-H	75	133.7	116.2	2970	3580	94.7	94.1	0.90	0.90	8.0	8.2	1.8	2.3
M2E-280M-2-H	90	159.9	138.1	2970	3580	95.0	95.0	0.90	0.90	8.2	8.5	1.8	2.3
M2E-315S-2-H	110	195	169	2975	3580	95.2	95.0	0.90	0.90	8.4	8.8	1.8	2.3
M2E-315M-2-H	132	234	203	2975	3580	95.4	95.0	0.90	0.90	8.4	9.0	1.8	2.3
M2E-315L1-2-H	160	279	245	2975	3580	95.6	95.4	0.91	0.90	8.7	9.0	1.8	2.3
M2E-315L2-2-H	200	349	304	2975	3580	95.8	95.8	0.91	0.90	8.7	9.0	1.8	2.3
M2E-355M-2-H	250	436	380	2980	3585	95.8	95.8	0.91	0.90	7.3	7.6	1.6	2.2
M2E-355L-2-H	315	549	474	2980	3585	95.8	95.8	0.91	0.91	7.4	7.7	1.6	2.2



表 Table 4

型号 Type	功率 Power (kW)	额定电流 Rated current (A)		额定转速 Rated speed (r/min)		效率 Efficiency Eff. %		功率因数 Power factor P.F		堵转电流 Locked current		堵转转矩 Locked torque	最大转矩 Max. torque
		额定电流 Rated current								额定电流 Rated current		额定电流 Rated current	额定转矩 Rated torque
		380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz		
M2E-80M1-4-H	0.55	1.38	1.30	1390	1710	80.8	81.5	0.75	0.68	6.2	7.0	2.3	2.3
M2E-80M2-4-H	0.75	1.84	1.62	1390	1710	82.5	83.5	0.75	0.71	6.4	7.2	2.3	2.3
M2E-90S-4-H	1.1	2.61	2.29	1400	1710	84.1	86.5	0.76	0.73	6.9	7.4	2.3	2.3
M2E-90L-4-H	1.5	3.47	3.08	1400	1710	85.3	86.5	0.77	0.74	6.7	7.2	2.3	2.3
M2E-100L1-4-H	2.2	4.76	4.19	1420	1730	86.7	89.5	0.81	0.77	7.4	8.0	2.3	2.3
M2E-100L2-4-H	3	6.34	5.57	1420	1730	87.7	89.5	0.82	0.79	7.6	8.1	2.3	2.3
M2E-112M-4-H	4	8.37	7.33	1460	1750	88.6	89.5	0.82	0.80	7.8	8.1	2.2	2.3
M2E-132S-4-H	5.5	11.2	9.6	1450	1750	89.6	91.7	0.83	0.82	7.8	8.4	2.0	2.3
M2E-132M-4-H	7.5	15.0	12.9	1450	1750	90.4	91.7	0.84	0.83	7.9	8.5	2.0	2.3
M2E-160M-4-H	11	21.5	18.4	1460	1760	91.4	92.4	0.85	0.85	8.1	8.4	2.2	2.3
M2E-160L-4-H	15	28.8	24.9	1460	1760	92.1	93.0	0.85	0.85	8.6	8.6	2.2	2.3
M2E-180M-4-H	18.5	35.9	30.9	1470	1770	92.6	93.6	0.86	0.86	8.0	8.4	2.0	2.3
M2E-180L-4-H	22	42.2	36.9	1470	1770	93.0	93.6	0.86	0.86	8.1	8.5	2.0	2.3
M2E-200L-4-H	30	56.6	48.6	1475	1775	93.6	94.1	0.86	0.86	7.1	7.5	2.0	2.3
M2E-225S-4-H	37	69.6	59.7	1480	1780	93.9	94.5	0.86	0.86	6.8	7.3	2.0	2.3
M2E-225M-4-H	45	84.4	73.1	1480	1780	94.2	95.0	0.86	0.85	7.1	7.5	2.0	2.3
M2E-250M-4-H	55	102.7	89.0	1485	1785	94.6	95.4	0.86	0.85	8.0	8.0	2.2	2.3
M2E-280S-4-H	75	136.3	121.4	1485	1790	95.0	95.4	0.88	0.85	7.4	7.8	2.0	2.3
M2E-280M-4-H	90	163.2	140.7	1485	1790	95.2	95.4	0.88	0.88	7.6	8.0	2.0	2.3
M2E-315S-4-H	110	197	171	1485	1790	95.4	95.8	0.89	0.88	7.0	7.5	2.0	2.2
M2E-315M-4-H	132	236	205	1485	1790	95.6	95.8	0.89	0.88	6.7	7.2	2.0	2.2
M2E-315L1-4-H	160	285	248	1485	1790	95.8	96.2	0.89	0.88	6.9	7.4	2.0	2.2
M2E-315L2-4-H	200	352	307	1485	1790	96.0	96.2	0.9	0.89	6.8	7.3	2.0	2.2
M2E-355M-4-H	250	440	383	1485	1790	96.0	96.2	0.9	0.89	7.2	7.7	2.0	2.2
M2E-355L-4-H	315	554	483	1485	1790	96.0	96.2	0.9	0.89	6.8	7.4	2.0	2.2



表 Table 5

型号 Type	功率 Power (kW)	额定电流 Rated current (A)		额定转速 Rated speed (r/min)		效率 Efficiency Eff. %		功率因数 Power factor P.F		堵转电流 Locked current		堵转转矩 Locked torque	最大转矩 Max. torque
		额定电流 Rated current		额定转速 Rated speed		效率 Efficiency		功率因数 Power factor		堵转电流 Locked current		堵转转矩 Locked torque	最大转矩 Max. torque
		380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	堵转电流 Rated current	堵转转矩 Rated torque
M2E-90S-6-H	0.75	2.03	1.75	910	1130	78.9	82.5	0.71	0.68	5.6	6.0	2.0	2.1
M2E-90L-6-H	1.1	2.83	2.36	910	1130	81.0	87.5	0.73	0.70	5.6	6.0	2.0	2.1
M2E-100L-6-H	1.5	3.78	3.13	940	1150	82.5	88.5	0.73	0.71	5.7	6.5	2.0	2.1
M2E-112M-6-H	2.2	5.36	4.54	945	1150	84.3	89.5	0.74	0.71	6.1	6.6	2.0	2.1
M2E-132S-6-H	3	7.2	6.1	960	1170	85.6	89.5	0.74	0.72	6.1	7.0	2.0	2.1
M2E-132M1-6-H	4	9.5	8.2	960	1170	86.8	89.5	0.74	0.72	6.8	7.6	2.0	2.1
M2E-132M2-6-H	5.5	12.7	10.7	960	1170	88.0	91.0	0.75	0.74	6.8	7.6	2.0	2.1
M2E-160M-6-H	7.5	16.2	13.7	970	1170	89.1	91.0	0.79	0.78	6.5	7.4	2.0	2.1
M2E-160L-6-H	11	23.1	19.9	970	1170	90.3	91.7	0.80	0.79	6.5	7.4	2.0	2.1
M2E-180L-6-H	15	33.0	29.3	970	1180	91.2	91.7	0.81	0.79	7.5	7.9	2.0	2.1
M2E-200L1-6-H	18.5	37.8	32.6	980	1180	91.7	93.0	0.81	0.80	6.7	7.5	2.0	2.1
M2E-200L2-6-H	22	44.8	38.8	980	1180	92.2	93.0	0.81	0.80	6.7	7.5	2.0	2.1
M2E-225M-6-H	30	59.1	51.0	985	1190	92.9	94.1	0.83	0.82	6.2	6.8	2.0	2.0
M2E-250M-6-H	37	71.7	61.4	985	1190	93.3	94.1	0.84	0.84	7.4	8.0	2.0	2.0
M2E-280S-6-H	45	85.8	74.4	985	1190	93.7	94.5	0.85	0.84	7.3	7.9	2.0	2.0
M2E-280M-6-H	55	103.3	90.9	985	1190	94.1	94.5	0.86	0.84	7.3	7.9	2.0	2.0
M2E-315S-6-H	75	143	123	990	1190	94.6	95.0	0.84	0.84	6.5	7.3	2.0	2.0
M2E-315M-6-H	90	170	146	990	1190	94.9	95.0	0.85	0.85	6.5	7.3	2.0	2.0
M2E-315L1-6-H	110	207	177	990	1190	95.1	95.8	0.85	0.85	6.9	7.7	2.0	2.0
M2E-315L2-6-H	132	244	210	990	1190	95.4	95.8	0.86	0.86	6.9	7.7	2.0	2.0
M2E-355M1-6-H	160	296	255	990	1190	95.6	95.8	0.86	0.86	6.7	7.5	2.0	2.0
M2E-355M2-6-H	200	365	319	990	1190	95.8	95.8	0.87	0.86	6.7	7.5	2.0	2.0
M2E-355L-6-H	250	456	411	990	1190	95.8	95.8	0.87	0.87	6.7	7.5	2.0	2.0

常用的安装结构型式 General mounting way

常用的安装结构型式，以及适用的机座号见下表：

General mounting way and suitable frame please see the below table:

表 Table 6

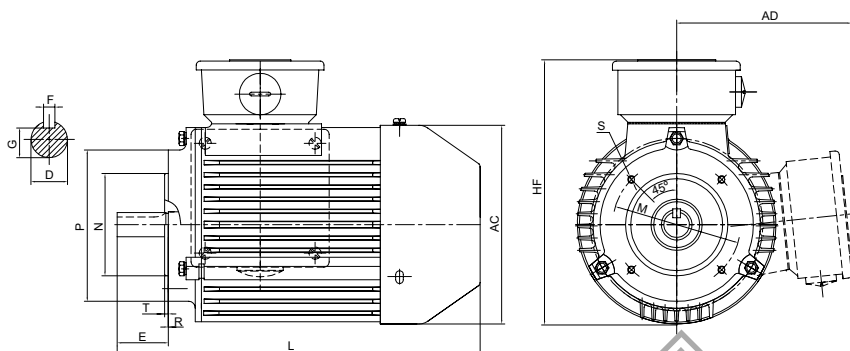
机座号 Frame	基本安装结构 Basic mounting way			派生的安装形式 Derivative mounting way											
	B3	B5	B35	V1	V3	V5	V6	B6	B7	B8	V15	V36	B14	B34	V18
80~112	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
132~160	√	√	√	√	√	√	√	√	√	√	√	√	-	-	-
180~280	√	√	√	√	-	-	-	-	-	-	-	-	-	-	-
315~355	√	-	√	√	-	-	-	-	-	-	-	-	-	-	-

“√” 表示可以制造生产的结构形式，电机订购时，若不作说明的接线盒为侧式右出线。

“√” means the mounting way can be produced. When in order, if there is no notice, the connection box is side right outlet.

安装及外形尺寸 Mounting and overall dimensions

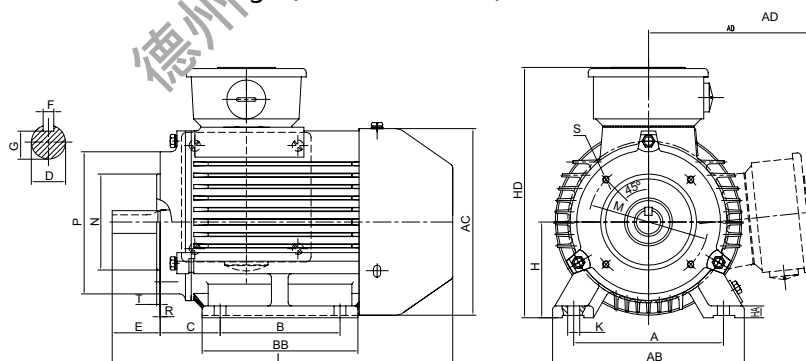
B14 机座无底脚、端盖上有小凸缘 (带丝孔)
Frame without foot, end cover with small flange (with screw hole)



H80~112

机座 Frame	极数 Pole	安装尺寸 Mounting dimension								外形尺寸 Overall dimension						
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L	
80M	2, 4, 6	19	40	6	15.5	100	80	120	0	4-M6	3.0	175	145	-	305	
90S	2, 4, 6	24	50	8	20	115	95	140	0	4-M8	3.0	195	165	-	360	
90L	2, 4, 6	24	50	8	20	115	95	140	0	4-M8	3.0	195	165	-	390	
100L	2, 4, 6	28	60	8	24	130	110	160	0	4-M8	3.5	215	180	245	435	
112M	2, 4, 6	28	60	8	24	130	110	160	0	4-M8	3.5	240	200	275	435	

B34 机座带底脚、端盖上有小凸缘 (带丝孔)
Frame with foot, end cover with small flange (with screw hole)



H80~112

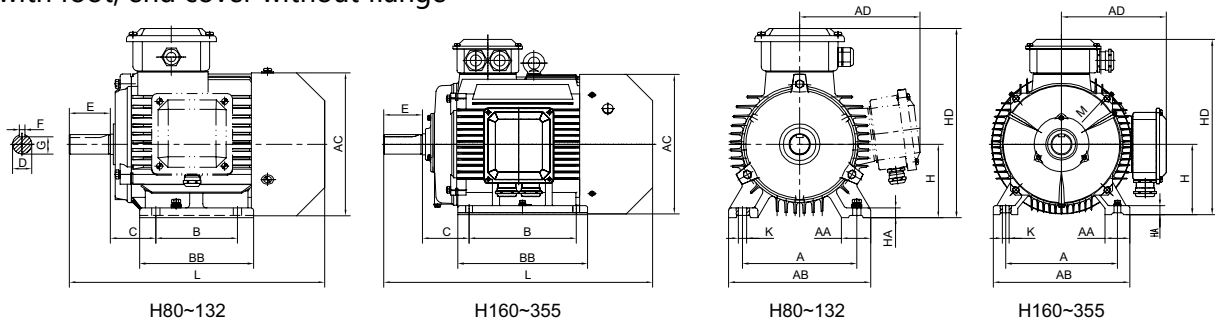
机座 Frame	极数 Pole	安装尺寸 Mounting dimension												外形尺寸 Overall dimension											
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AA	BB	HA	AB	AC	AD	HD	L	
80M	2, 4, 6	125	100	50	19	40	6	15.5	80	10	100	80	120	0	4-M6	3	34	142	12	165	175	145	225	305	
90S	2, 4, 6	140	100	56	24	50	8	20	90	10	115	95	140	0	4-M8	3	34	185	12	180	195	165	260	360	
90L	2, 4, 6	140	125	56	24	50	8	20	90	10	115	95	140	0	4-M8	3	34	210	12	180	195	165	260	390	
100L	2, 4, 6	160	140	63	28	60	8	24	100	12	130	110	160	0	4-M8	3.5	39	233	14	205	215	180	270	435	
112M	2, 4, 6	190	140	70	28	60	8	24	112	12	130	110	160	0	4-M8	3.5	45	216	14	226	240	200	310	435	



安装及外形尺寸

Mounting and overall dimensions

B3 机座带底脚、端盖无凸缘
Frame with foot, end cover without flange



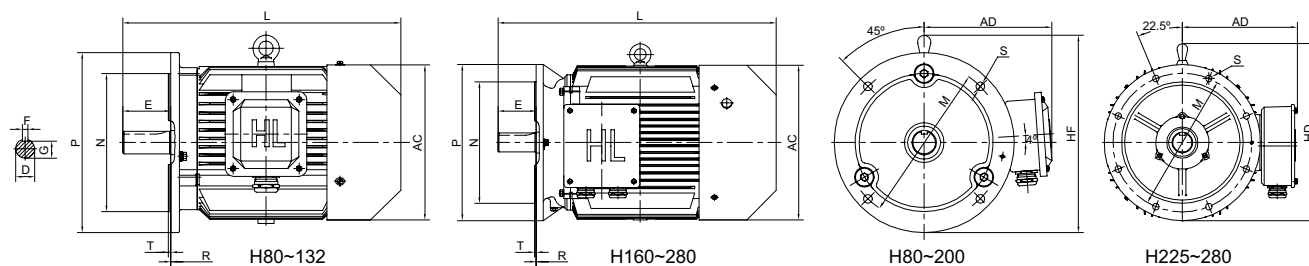
机座 Frame	极数 Pole	安装尺寸 Mounting dimension								外形尺寸 Overall dimension								
		A	B	C	D	E	F	G	H	K	AA	BB	HA	AB	AC	AD	HD	L
80M	2, 4, 6	125	100	50	19	40	6	15.5	80	10	34	142	12	165	175	145	225	305
90S	2, 4, 6	140	100	56	24	50	8	20	90	10	36	185	12	180	195	165	260	360
90L	2, 4, 6	140	125	56	24	50	8	24	90	10	36	215	12	180	195	165	260	390
100L	2, 4, 6	160	140	63	28	60	8	24	100	12	39	233	14	205	215	180	270	435
112M	2, 4, 6	190	140	70	28	60	8	33	112	12	45	230	14	230	240	190	300	470
132S	2, 4, 6	216	140	89	38	80	10	33	132	12	55	186	18	270	275	210	345	510
132M	2, 4, 6	216	178	89	38	80	10	33	132	12	55	224	18	270	275	210	345	560
160M	2, 4, 6	254	210	108	42	110	12	27	160	14.5	65	315	20	314	335	265	420	730
160L	2, 4, 6	254	254	108	42	110	12	37	160	14.5	65	355	20	314	335	265	420	760
180M	2, 4, 6	279	241	121	48	-	14	42.5	180	14.5	70	359	22	355	375	280	455	740
180L	2, 4, 6	279	279	121	48	-	14	42.5	180	14.5	70	394	22	355	375	280	455	780
200L	2, 4, 6	318	305	133	55	-	16	49	200	18.5	70	454	25	390	410	335	535	885
225S	4	356	286	149	61	140	18	53	225	18.5	75	431	28	435	470	355	575	895
225M	2	356	311	149	55	110	16	49	225	18.5	75	466	28	435	470	355	575	890
	4, 6	356	311	149	60	140	18	53	225	18.5	75	466	28	435	470	355	575	925
250M	2	406	349	168	60	140	18	53	250	24	80	445	30	490	545	370	615	915
	4, 6	406	349	168	65	140	18	58	250	24	80	445	30	490	545	370	615	915
280S	2	457	368	190	75	140	18	58	280	24	85	510	35	550	660	425	710	990
	4, 6	457	368	190	75	140	20	67.5	280	24	85	510	35	550	660	425	710	990
280M	2	457	419	190	65	140	18	58	280	24	85	550	35	550	660	425	710	1040
	4, 6	457	419	190	75	140	20	67.5	280	24	85	550	35	550	660	425	710	1040
315S	2	508	406	216	65	140	18	58	315	28	120	570	45	635	645	530	845	1200
	4, 6	508	406	216	80	170	22	71	315	28	120	570	45	635	645	530	845	1230
315M	2	508	457	216	65	140	18	58	315	28	120	680	45	635	645	530	845	1350
	4, 6	508	457	216	80	170	22	71	315	28	120	680	45	635	645	530	845	1380
315L	2	508	508	216	65	140	18	58	315	28	120	680	45	635	645	530	845	1350
	4, 6	508	508	216	80	170	22	71	315	28	120	680	45	635	645	530	845	1380
355M	2	610	560	254	75	140	20	67.5	355	28	120	750	52	726	715	750	1020	1570
	4, 6	610	560	254	95	170	25	86	355	28	120	750	52	726	715	750	1020	1600
355L	2	610	630	254	75	140	20	67.5	355	28	120	750	52	726	715	750	1020	1570
	4, 6	610	630	254	95	170	25	86	355	28	120	750	52	726	715	750	1020	1600



安装及外形尺寸

Mounting and overall dimensions

B5 机座不带底角、端盖有凸缘 (带通孔)
Frame without foot, end cover with flange (with through hole)



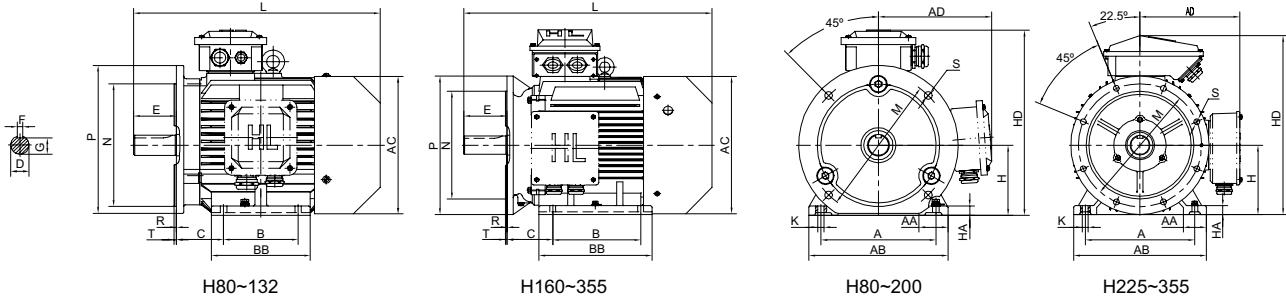
机座 Frame	极数 Pole	安装尺寸 Mounting dimension								外形尺寸 Overall dimension					
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80M	2, 4, 6	19	40	6	15.5	165	130	200	0	4-Ø12	3.5	175	145	-	305
90S	2, 4, 6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	165	-	360
90L	2, 4, 6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	165	-	390
100L	2, 4, 6	28	60	8	24	215	180	250	0	4-Ø14.5	4	215	180	230	435
112M	2, 4, 6	28	60	8	24	215	180	250	0	4-Ø14.5	4	240	200	245	435
132S	2, 4, 6	38	80	10	33	265	230	300	0	4-Ø14.5	4	305	235	345	510
132M	2, 4, 6	38	80	10	33	265	230	300	0	4-Ø14.5	4	305	235	345	560
160M	2, 4, 6	42	110	12	37	300	250	350	0	4-Ø18.5	5	335	265	360	730
160L	2, 4, 6	42	110	12	37	300	250	350	0	4-Ø18.5	5	335	265	360	760
180M	2, 4, 6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	375	280	470	740
180L	2, 4, 6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	375	280	470	780
200L	2, 4, 6	55	110	16	49	350	300	400	0	4-Ø18.5	5	410	335	520	885
225S	4	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	355	580	895
225M	2	55	110	16	49	400	350	450	0	8-Ø18.5	5	470	355	580	890
	4, 6	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	355	580	925
250M	2	60	140	18	53	500	450	550	0	8-Ø18.5	5	545	415	650	995
	4, 6	65	140	18	58	500	450	550	0	8-Ø18.5	5	545	415	650	995
280S	2	65	140	18	58	500	450	550	0	8-Ø18.5	5	600	425	710	990
	4, 6	75	140	20	67.5	500	450	550	0	8-Ø18.5	5	600	425	710	990
280M	2	65	140	18	58	500	450	550	0	8-Ø18.5	5	600	425	710	1040
	4, 6	75	140	20	67.5	500	450	550	0	8-Ø18.5	5	600	425	710	1040



安装及外形尺寸

Mounting and overall dimensions

B35 机座带底角、端盖有凸缘 (带通孔)
Frame with foot, end cover with flange (with through hole)

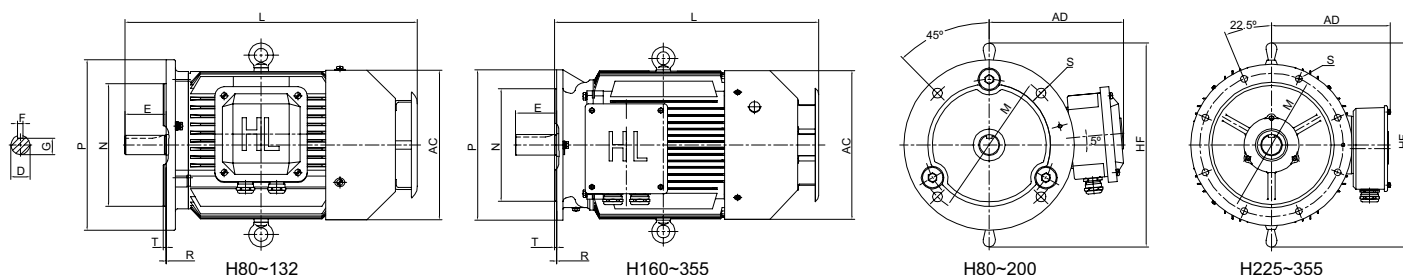


机座 Frame	极数 Pole	安装尺寸 Mounting dimension														外形尺寸 Overall dimension										
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AA	BB	HA	AB	AC	AD	HD	L		
80M	2, 4, 6	125	100	50	19	40	6	16	80	10	165	130	200	0	4-Ø12	3.5	34	142	12	165	175	145	225	305		
90S	2, 4, 6	140	100	56	24	50	8	20	90	10	165	130	200	0	4-Ø12	3.5	36	180	12	180	195	165	260	360		
90L	2, 4, 6	140	125	56	24	50	8	20	90	10	165	130	200	0	4-Ø12	3.5	36	215	12	180	195	165	260	390		
100L	2, 4, 6	160	140	63	28	60	8	24	100	12	215	180	250	0	4-Ø14.5	4	39	233	14	205	215	180	270	435		
112M	2, 4, 6	190	140	70	28	60	8	24	112	12	215	180	250	0	4-Ø14.5	4	45	230	14	226	240	200	310	435		
132S	2, 4, 6	216	140	89	38	80	10	33	132	12	265	230	300	0	4-Ø14.5	4	55	226	18	262	305	235	360	510		
132M	2, 4, 6	216	178	89	38	80	10	33	132	12	265	230	300	0	4-Ø14.5	4	55	256	18	262	305	235	360	560		
160M	2, 4, 6	254	210	108	42	110	12	37	160	15	300	250	350	0	4-Ø18.5	5	65	315	20	314	335	265	420	730		
160L	2, 4, 6	254	254	108	42	110	12	37	160	15	300	250	350	0	4-Ø18.5	5	65	355	20	314	335	265	420	760		
180M	2, 4, 6	279	241	121	48	110	14	43	180	15	300	250	350	0	4-Ø18.5	5	70	359	22	355	375	280	455	740		
180L	2, 4, 6	279	279	121	48	110	14	43	180	15	300	250	350	0	4-Ø18.5	5	70	394	22	355	375	280	455	780		
200L	2, 4, 6	318	305	133	55	110	16	49	200	19	350	300	400	0	4-Ø18.5	5	70	454	25	388	410	335	535	885		
225S	4	356	286	149	60	140	18	53	225	19	400	350	450	0	8-Ø18.5	5	75	431	28	435	470	355	575	895		
225M	2	356	311	149	55	110	16	49	225	19	400	350	450	0	8-Ø18.5	5	75	466	28	435	470	355	575	890		
	4, 6	356	311	149	60	140	18	53	225	19	400	350	450	0	8-Ø18.5	5	75	466	28	435	470	355	575	925		
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	8-Ø18.5	5	80	515	30	490	545	415	665	995		
	4, 6	406	349	168	65	-	18	58	250	24	500	450	550	0	8-Ø18.5	5	80	515	30	490	545	415	665	995		
280S	2	457	368	190	65	-	18	58	280	24	500	450	550	0	8-Ø18.5	5	85	510	35	550	600	425	710	990		
	4, 6	457	368	190	75	-	20	68	280	24	500	450	550	0	8-Ø18.5	5	85	510	35	550	600	425	710	990		
280M	2	457	419	190	65	-	18	58	280	24	500	450	550	0	8-Ø18.5	5	85	550	35	550	600	425	710	1040		
	4, 6	457	419	190	75	-	20	68	280	24	500	450	550	0	8-Ø18.5	5	85	550	35	550	600	425	710	1040		
315S	2	508	406	216	65	-	18	58	315	28	600	550	660	0	8-Ø24	6	120	570	45	635	645	530	845	1200		
	4, 6	508	406	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	120	570	45	635	645	530	845	1230		
315M	2	508	457	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1350		
	4, 6	508	457	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1380		
315L	2	508	508	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1350		
	4, 6	508	508	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1380		
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	0	8-Ø24	6	120	750	52	726	715	750	1020	1570		
	4, 6	610	560	254	95	170	25	86	355	28	740	680	800	0	8-Ø24	6	120	750	52	726	715	750	1020	1600		
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	8-Ø24	6	120	750	52	726	715	750	1020	1570		
	4, 6	610	630	254	95	170	25	86	355	28	740	680	800	0	8-Ø24	6	120	750	52	726	715	750	1020	1600		

安装及外形尺寸 Mounting and overall dimensions

V1 立式安装、机座不带底角、端盖有凸缘、轴伸向下

Vertical mounting, frame without foot, end cover with flange, shaft extension downwards



机座 Frame	极数 Pole	安装尺寸 Mounting dimension										外形尺寸 Overall dimension			
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80M	2, 4, 6	19	40	6	15.5	165	130	200	0	4-Ø12	3.5	175	145	-	345
90S	2, 4, 6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	165	-	400
90L	2, 4, 6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	165	-	430
100L	2, 4, 6	28	60	8	24	215	180	250	0	4-Ø14.5	4	215	180	245	475
112M	2, 4, 6	28	60	8	24	215	180	250	0	4-Ø14.5	4	240	190	265	510
132S	2, 4, 6	38	80	10	33	265	230	300	0	4-Ø14.5	4	275	210	315	510
132M	2, 4, 6	38	80	10	33	265	230	300	0	4-Ø14.5	4	275	210	315	560
160M	2, 4, 6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	385	730
160L	2, 4, 6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	385	760
180M	2, 4, 6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	500	800
180L	2, 4, 6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	500	850
200L	2, 4, 6	55	110	16	49	350	300	400	0	4-Ø18.5	5	420	305	550	860
225S	4	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	355	610	920
225M	2	55	110	16	49	400	350	450	0	8-Ø18.5	5	470	355	610	915
250M	4, 6	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	355	610	945
	2	60	140	18	53	500	450	550	0	8-Ø18.5	5	510	370	650	1020
280S	4, 6	65	140	18	58	500	450	550	0	8-Ø18.5	5	510	370	650	1020
	2	65	140	18	58	500	450	550	0	8-Ø18.5	5	580	410	720	1110
280M	4, 6	75	140	20	67.5	500	450	550	0	8-Ø18.5	5	580	410	720	1110
	2	65	140	18	58	500	450	550	0	8-Ø18.5	5	580	410	720	1150
315S	4, 6	75	140	20	67.5	500	450	550	0	8-Ø18.5	5	580	410	720	1150
	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	1300
315S	4, 6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	1420
	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	1330
315L	4, 6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	1450
	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	1330
355M	4, 6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	1450
	2	75	140	20	67.5	740	680	800	0	8-Ø24	6	710	655	1010	1640
355L	4, 6	95	170	25	86	740	680	800	0	8-Ø24	6	710	655	1010	1670
	2	75	140	20	67.5	740	680	800	0	8-Ø24	6	710	655	1010	1640
	4, 6	95	170	25	86	740	680	800	0	8-Ø24	6	710	655	1010	1670

加热器

如客户需要电动机可安装表 15 规格的加热带。

Heater

If the customer needs the heater, he can choose the heaters show in Table 15.

表 Table 15

机座号 Frame	加热带电压 Heater voltage	加热带功率 Heater power
M2E-80~90-H	220 V	20 W
M2E-100~112-H	220 V	30 W
M2E-132~160-H	220 V	40 W
M2E-180~200-H	220 V	50 W
M2E-225~280-H	220 V	60 W
M2E-315~355-H	220 V	80 W

注：本产品样本中，所有产品数据参数及图样仅供参考。

Note: In the product sample, all products data, parameters and drawings are just for reference.



YD-H 系列船用变极多速三相异步电动机

YD-H Series Marine Pole-changing Multi-speed Three-phase Induction Motor

YD-H 系列船用多速三相异步电动机是 Y-H 系列船用三相异步电动机的派生系列，该类电机具有可随负载性质的要求而有级地变化转速，从而达到功率的合理匹配和简化多速系统的特点。该产品具有效率高、节能、起动转矩大、性能好、噪声低振动小等优点。

YD-H 系列船用多速三相异步电动机的外壳采用铸铁材料制成，绕组和金属零件的表面均按照湿热电机的要求，经过特殊浸渍和处理，具有良好的防潮、防霉和抗盐雾的性能。

The motors are derivative series from Y-H series marine three-phase induction motors. They are able to change their poles and rotation speeds according to various loadings, so as to go match with the powers and to simplify speed-changing system. They have the advantages of high efficiency, energy saving, big starting torque, good performance, low noise and small vibration.

The housings of the motors are made of cast iron, windings and metallic spare parts are through impregnated and well treated to obtain the adequate damp-proof, anti-fungus and anti-salt-mist properties in accordance with the specifications for humid-tropic machines.



电气特性 Electrical characteristics

工作环境条件 Operating Conditions

环境空气温度 Temperature of Ambient air	0°C ~45°C	海拔 Altitude	0m
空气相对湿度 Relative humidity	≤ 95%	凝露：油雾：霉菌：冲击：振动 Dew, Oil mist, Fungus, Shock, Vibration	有 exist
倾斜摇摆 Inclination, Swing	±22.5°	额定频率 Rated frequency	50Hz/60Hz
额定电压 Rated voltage	380V/440V	防护等级 Protection class	IP44
绝缘等级 Insulation class	B 或 (or) F	接线方法 Connection method	△ /YY、Y/△ /YY、△ /Y △ /YY/YY
安装型式 Mounting type	IMB3、IMB35、IMB5、IMV1 等	功率范围 Power range	0.45~250kW
机座号 Frame	H80~355	工作方式 Duty	连续 S1

电动机可用皮带轮，正齿轮或弹性联轴器传动。
Pulley, spur or flexible coupling can be used for driving.

主要技术参数 Main technical parameters

型号 Type	功率 Power (kW)	电流 Current (A)	转速 Speed (r/min)	接线方法 Connection way	型号 Type	功率 Power (kW)	电流 Current (A)	转速 Speed (r/min)	接线方法 Connection way
YD801-4/2-H	0.45/0.55	1.4/1.5	1420/2860	△ /YY	YD160L-6/4-H	9/11	20.6/23.7	965/1465	△ /YY
YD802-4/2-H	0.55/0.75	1.7/2.0	1420/2860	△ /YY	YD160L-8/4-H	7/11	19.0/21.8	730/1455	△ /YY
YD90S-4/2-H	0.85/1.1	2.3/2.8	1415/2845	△ /YY	YD160L-8/6-H	6/8	17.5/19.4	730/980	△ /YY
YD90L-4/2-H	1.3/1.8	3.3/4.4	1410/2855	△ /YY	YD160L-12/6-H	3.7/7	16.1/15.8	485/975	△ /YY
YD90S-6/4-H	0.65/0.85	2.3/2.3	920/1410	△ /YY	YD160L-6/4/2-H	4.5/7/9	11.4/15.1/18.8	980/1470/2940	Y/△ /YY
YD90L-6/4-H	0.85/1.1	2.8/3.0	925/1415	△ /YY	YD160L-8/4/2-H	2.8/7/9	9.2/15.1/18.8	730/1470/2940	Y/△ /YY
YD90L-8/4-H	0.45/0.75	1.9/1.9	670/1390	△ /YY	YD160L-8/6/4-H	4.5/6/7.5	13.8/14.5/15.6	735/980/1460	△ /Y/YY
YD90S-8/6-H	0.35/0.45	1.6/1.4	675/930	△ /YY	YD180M-6/4-H	4.5/14	17.5/32	984/1479	△ /YY
YD90L-8/6-H	0.45/0.65	1.9/1.8	680/920	△ /YY	YD180M-8/6-H	4.5/10	21/24.5	736/984	△ /YY
YD100L1-4/2-H	2/2.4	4.8/5.6	1435/2855	△ /YY	YD180M-8/6-H	5.5/10	22.1/24.5	736/984	△ /YY
YD100L2-4/2-H	2.4/3	5.6/6.7	1430/2855	△ /YY	YD180L-6/4-H	6.5/13	19.3/30.5	984/1479	△ /YY
YD100L1-6/4-H	1.3/1.8	3.8/4.4	940/1440	△ /YY	YD180L-6/4-H	4.5/15	17.5/33.5	984/1479	△ /YY
YD100L2-6/4-H	1.5/2.2	4.3/5.4	945/1435	△ /YY	YD180L-6/4-H	13/16	28.6/35.5	984/1479	△ /YY
YD100L-8/4-H	0.85/1.5	3.1/3.5	710/1415	△ /YY	YD180L-6/4-H	14/16	30/35.5	984/1479	△ /YY
YD100L-8/6-H	0.75/1.1	2.9/3.1	710/950	△ /YY	YD180L-6/4-H	5.5/17	18.3/36.8	984/1479	△ /YY
YD100L-6/4/2-H	0.75/1.3/1.8	2.6/3.7/4.5	950/1450/2905	Y/△ /YY	YD180L-6/4-H	5/19.5	17.8/43	984/1479	△ /YY



主要技术参数

Main technical parameters

型号 Type	功率 Power (kW)	电流 Current (A)	转速 Speed (r/min)	接线方法 Connection way	型号 Type	功率 Power (kW)	电流 Current (A)	转速 Speed (r/min)	接线方法 Connection way
YD112M-4/2-H	3.3/4	7.4/8.6	1460/2960	△ /YY	YD180L-8/4-H	11/17	30/32	725/1460	△ /YY
YD112M-6/4-H	2.2/2.8	5.7/6.7	945/1450	△ /YY	YD180L-8/4-H	5.5/19	23/36	725/1460	△ /YY
YD112M-8/4-H	1.5/2.4	5.0/5.3	690/1445	△ /YY	YD180L-8/6-H	2.5/12	22.1/27.5	725/1460	△ /YY
YD112M-8/6-H	1.3/1.8	4.5/4.8	695/950	△ /YY	YD200L-4/2-H	26/30	49.9/58.3	1470/2950	△ /YY
YD112M-6/4/2-H	1.1/2/2.4	3.5/5.1/5.8	960/1465/2975	Y/ △ /YY	YD200L-6/4-H	8/24	24/48.2	980/1460	△ /YY
YD112M-8/4/2-H	0.65/2/2.4	2.7/5.1/5.8	685/1465/2975	Y/ △ /YY	YD200L-6/4-H	18.5/22	41.4/44.9	980/1460	△ /YY
YD112M-8/6/4-H	0.85/1/1.5	3.7/3.1/3.5	700/950/1460	△ /Y/YY	YD200L-6/4-H	12/20	27.5/40.5	980/1460	△ /YY
YD132S-4/2-H	4.5/5.5	9.8/11.9	1470/2957	△ /YY	YD200L-6/4-H	5/19	20/39	980/1460	△ /YY
YD132S-6/4-H	3/4	7.7/9.5	965/1470	△ /YY	YD200L-6/4-H	11/18.5	26/38.5	980/1460	△ /YY
YD132S-8/4-H	2.2/3.3	7.0/7.1	715/1465	△ /YY	YD200L-6/4-H	12/17	27.3/34	980/1460	△ /YY
YD132S-8/6-H	1.8/2.4	5.8/6.2	715/970	△ /YY	YD200L1-8/6-H	8/17	24/40	730/976	△ /YY
YD132S-6/4/2-H	1.8/2.6/3	5.1/6.1/7.4	970/1475/2970	Y/ △ /YY	YD200L2-8/6-H	11/22	30/47	730/976	△ /YY
YD132S-8/4/2-H	1/2.6/3	3.5/5.9/7.0	710/1475/2970	△ /YY	YD200L2-8/6-H	15/20	31/43	730/976	△ /YY
YD132S-8/6/4-H	1.1/1.5/1.8	4.1/4.2/4.0	720/970/1470	△ /Y/YY	YD200L2-8/6-H	10/20	28.5/43	730/976	△ /YY
YD132M-4/2-H	6.5/8	13.8/17.1	1470/2960	△ /YY	YD200L-8/6/4-H	10/13/17	27.2/34/40	740/980/1470	Y/ △ /YY
YD132M-6/4-H	4/5.5	9.8/12.3	960/1470	△ /YY	YD225S-6/4-H	22/28	43.5/53.1	984/1479	△ /YY
YD132M-8/4-H	3/4.5	9.0/9.4	715/1465	△ /YY	YD225S-8/6/4-H	14/18.5/24	35/40/48	740/990/1480	△ /Y/YY
YD132M-8/6-H	2.6/3.7	5.8/6.2	715/970	△ /YY	YD225M-6/4-H	35/32	51.5/60.5	985/1475	△ /YY
YD132M1-6/4/2-H	2.2/3.3/4	6.0/7.5/8.8	970/1470/2970	Y/ △ /YY	YD225M-8/4-H	24/34	52.5/66.7	734/1469	△ /YY
YD132M2-6/4/2-H	2.6/4/5	6.9/9.0/10.8	970/1475/2960	Y/ △ /YY	YD225M-8/6-H	12/25	34/50	739/979	△ /YY
YD132M-8/4/2-H	1.3/3.7/4.5	4.6/8.4/10.0	710/1475/2970	Y/ △ /YY	YD225M-8/6-H	15/22	34/48	739/979	Y/ △ /YY
YD132M1-8/6/4-H	1.5/2/2.2	5.2/5.4/4.9	720/975/1470	△ /Y/YY	YD225M-12/6-H	7.5/22	20/44	480/980	Y/YY
YD132M2-8/6/4-H	1.8/2.6/3	6.1/6.8/6.5	720/975/1470	△ /Y/YY	YD225M-12/6-H	4.4/22	14.8/44	480/980	Y/YY
YD160M-4/2-H	9/11	18.5/22.9	1460/2920	△ /YY	YD250M-6/4-H	32/42	62/80	989/1482	△ /YY
YD160M-6/4-H	6.5/8	15.1/17.4	965/1460	△ /YY	YD250M-8/6-H	15/30	35/56	742/983	△ /YY
YD160M-8/4-H	5/7.5	13.9/15.2	730/1450	△ /YY	YD280S-8/6-H	20/37	48/69.5	720/970	△ /YY
YD160M-8/6-H	4.5/6	13.3/14.7	730/975	△ /YY	YD280S-8/6-H	18/37	43/69.5	743/970	△ /YY
YD160M-6/12-H	2.6/5	11.6/11.9	485/975	△ /YY	YD280M1-8/6-H	22/40	56/77	744/983	△ /YY
YD160M-6/4/2-H	3.7/5/6	9.5/11.2/13.2	975/1475/2945	Y/ △ /YY	YD280M1-8/6-H	22/45	56/87	744/983	△ /YY
YD160M-8/4/2-H	2.2/5/6	7.6/11.2/13.2	730/1475/2945	Y/ △ /YY	YD280M2-8/6-H	27/55	65/108	744/983	△ /YY
YD160M-8/6/4-H	3.3/4/5.5	10.2/9.9/11.6	735/980/1460	△ /Y/YY	YD280M-10/8-H	22/35	60/80	593/939	Y/Y
YD160L-4/2	11/14	22.3/28.8	1455/2925	△ /YY					



安装及外形尺寸

Mounting and overall dimensions

B3 型

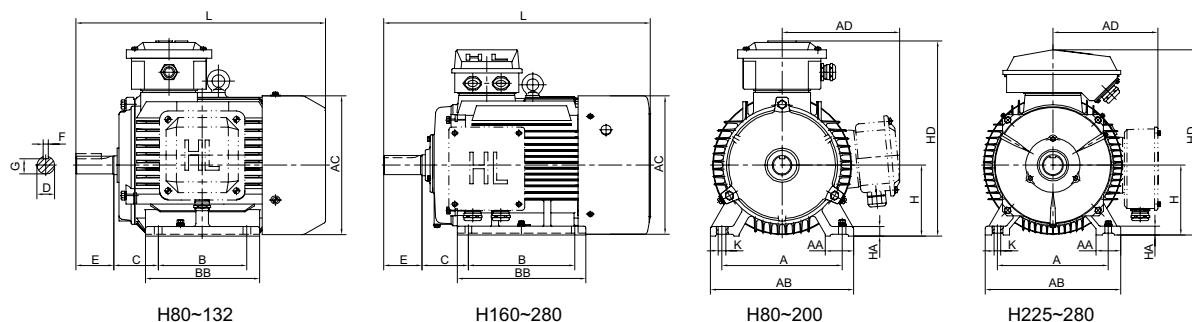


表 Table 1

机座号 Frame	A	B	C	D	E	F	G	H	K	AB	AC	AD	HA	HD	L
80	125	100	50	19	40	6	15.5	80	10	165	165	160	12	205	290
90S	140	100	56	24	50	8	20	90	10	180	180	175	14	225	320
90L	140	125	56	24	50	8	20	90	10	180	180	175	14	225	350
100L	160	140	63	28	60	8	24	100	12	205	205	185	16	250	385
112M	190	140	70	28	60	8	24	112	12	245	230	195	18	270	405
132S	216	140	89	38	80	10	33	132	12	280	270	245	20	320	480
132M	216	178	89	38	80	10	33	132	12	280	270	245	20	320	520
160M	254	210	108	42	110	12	37	160	15	330	325	270	22	385	605
160L	254	254	108	42	110	12	37	160	15	330	325	270	22	385	650
180M	279	241	121	48	110	14	42.5	180	15	355	360	290	24	425	670
180L	279	279	121	48	110	14	42.5	180	15	355	360	290	24	425	710
200L	318	305	133	55	140	16	49	200	19	395	400	355	28	475	780
225S	356	286	149	60	140	18	53	225	19	435	450	370	30	530	825
225M	356	311	149	60	140	18	53	225	19	435	450	370	30	530	820/850
250M	406	349	168	65	140	18	58	250	24	490	495	455	32	570	935
280S	457	368	190	75	140	20	67.5	280	24	550	550	470	38	640	1020
280M	457	419	190	75	140	20	67.5	280	24	550	550	470	38	640	1070



安装及外形尺寸

Mounting and overall dimensions

B5 型

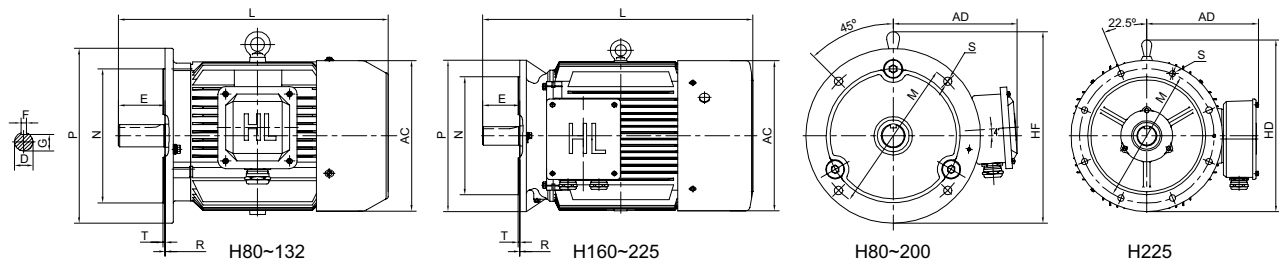


表 Table 2

机座号 Frame	D	E	F	G	M	N	P	S	T	n	AC	AD	HF	LA	L
80	19	40	6	15.5	165	130	200	12	3.5	4	165	160	230	12	290
90S	24	50	8	20	165	130	200	12	3.5	4	180	175	235	12	320
90L	24	50	8	20	165	130	200	12	3.5	4	180	175	235	12	345
100L	28	60	8	24	215	180	250	15	4	4	205	185	275	14	385
112M	28	60	8	24	215	180	250	15	4	4	230	195	285	14	405
132S	38	80	10	33	265	230	300	15	4	4	270	245	340	18	480
132M	38	80	10	33	265	230	300	15	4	4	270	245	340	18	520
160M	42	110	12	37	300	250	350	19	5	4	325	270	400	18	605
160L	42	110	12	37	300	250	350	19	5	4	325	270	400	18	650
180M	48	110	14	42.5	300	250	350	19	5	4	360	290	420	18	670
180L	48	110	14	42.5	300	250	350	19	5	4	360	290	420	18	705
200L	55	110	16	49	350	300	400	19	5	4	400	355	470	18	780
225S	60	140	18	53	400	350	450	19	5	8	450	370	530	20	825
225M	60	140	18	53	400	350	450	19	5	8	450	370	530	20	820/850



安装及外形尺寸

Mounting and overall dimensions

B35 型

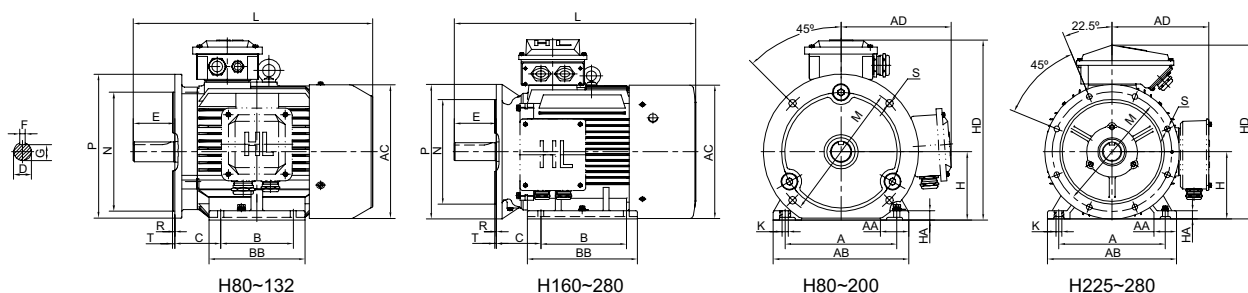


表 Table 3

机座号 Frame	A	B	C	D	E	F	G	H	K	M	N	P	S	T	n	AB	AC	AD	HA	HD	L
80	125	100	50	19	40	6	15.5	80	10	165	130	200	12	3.5	4	165	165	160	12	205	290
90S	140	100	56	24	50	8	20	90	10	165	130	200	12	3.5	4	180	180	175	14	225	320
90L	140	125	56	24	50	8	20	90	10	165	130	200	12	3.5	4	180	180	175	14	225	350
100L	160	140	63	28	60	8	24	100	12	215	180	250	15	4	4	205	205	185	16	250	385
112M	190	140	70	28	60	8	24	112	12	215	180	250	15	4	4	245	230	195	18	270	405
132S	216	140	89	38	80	10	33	132	12	265	230	300	15	4	4	280	270	245	20	320	480
132M	216	178	89	38	80	10	33	132	12	265	230	300	15	4	4	280	270	245	20	320	520
160M	254	210	108	42	110	12	37	160	15	300	250	350	19	5	4	330	325	270	22	385	605
160L	254	254	108	42	110	12	37	160	15	300	250	350	19	5	4	330	325	270	22	385	650
180M	279	241	121	48	110	14	42.5	180	15	300	250	350	19	5	4	355	360	290	24	425	670
180L	279	279	121	48	110	14	42.5	180	15	300	250	350	19	5	4	355	360	290	24	425	710
200L	318	305	133	55	110	16	49	200	19	350	300	400	19	5	4	395	400	355	28	475	780
225S	356	286	149	60	140	18	53	225	19	400	350	450	19	5	8	435	450	370	30	530	825
225M	356	311	149	60	140	18	53	225	19	400	350	450	19	5	8	435	450	370	30	530	820/850
250M	406	349	168	65	140	18	58	250	24	500	450	550	19	5	8	495	495	455	32	570	935
280S	457	368	190	75	140	20	67.5	280	24	500	450	550	19	5	8	550	550	470	38	640	1020
280M	457	419	190	75	140	20	67.5	280	24	500	450	550	19	5	8	550	550	470	38	640	1070



安装及外形尺寸

Mounting and overall dimensions

V1 型

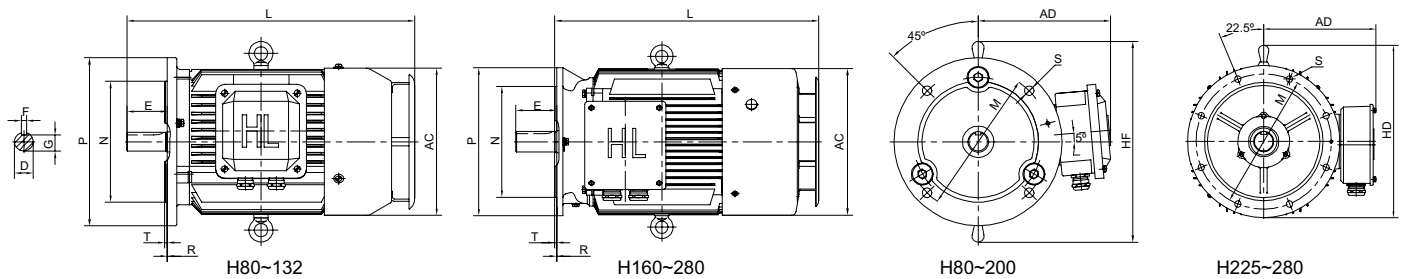


表 Table 4

机座号 Frame	D	E	F	G	M	N	P	S	T	n	AC	AD	HF	LA	L
80	19	40	6	15.5	165	130	200	12	3.5	4	165	165	260	12	335
90S	24	50	8	20	165	130	200	12	5	4	180	180	270	12	365
90L	24	50	8	20	165	130	200	12	3.5	4	180	180	270	12	400
100L	28	60	8	24	215	180	250	15	4	4	205	195	300	14	430
112M	28	60	8	24	215	180	250	15	4	4	230	205	320	14	450
132S	38	80	10	33	265	230	300	15	4	4	270	265	380	18	535
132M	38	80	10	33	265	230	300	15	4	4	270	265	380	18	575
160M	42	110	12	37	300	250	350	19	5	4	325	270	450	18	660
160L	42	110	12	37	300	250	350	19	5	4	325	270	450	18	705
180M	48	110	14	42.5	300	250	350	19	5	4	360	290	490	18	730
180L	48	110	14	42.5	300	250	350	19	5	4	360	290	490	18	765
200L	55	110	16	49	330	300	400	19	5	4	400	355	550	18	840
225S	60	140	18	53	400	350	450	19	5	8	450	370	610	20	890
225M	60	140	18	53	400	350	450	19	5	8	450	370	610	20	880/915
250M	65	140	18	58	500	450	550	19	5	8	495	455	640	22	995
280S	75	140	20	67.5	500	450	550	19	5	8	550	470	720	22	1090
280M	75	140	20	67.5	500	450	550	19	5	8	550	470	720	22	1140



YZ-H 系列 船用起重三相异步电动机（单双速）

YZ-H Series Marine Three-phase Induction Motor for Hoisting (Single/Double speed)

YZ-H 系列三相异步电动机是按照国家标准 GB755《旋转电机 性能和定额》、GB/T7060《船用旋转电机基本技术要求》、JB/T7597《YZ-H 系列船用起重用三相异步电动机技术条件》设计制造，具有性能好、体积小、噪音低、工作可靠、维修方便等特点。适用于各类船舶和石油平台作短时定额的甲板机械电力拖动之用。如锚机、绞盘机及绞盘等，也可作操作不频繁的起货机的动力。

The motors are manufactured and designed according to GB755 <Rotating electrical machines-Rating and performance> , GB/T7060 <General specifications for rotary electrical machines in ships>, JB/T7597 <Technical Conditions for YZ-H Series Marine Three-phase Induction Motors for Hoisting>. They have the features of good function, small volume, low noise, reliable work and convenient maintenance. They are suitable for intermittent electric driving on deck machinery in ships and oil platform, such as anchors, capstans and winches. They also can be used as power for operating infrequent crane.



标准和认证 Standard and certification

该系列电机也符合以下标准和规范的有关要求

The motors also comply with the relevant requirements of the following standards and specifications

IEC60034	旋转电机 Rotating electrical machines
IEC60068	基本环境试验程序 Basic environmental testing procedure
IEC60072	旋转电机安装尺寸及功率 Dimensions and output ratings for rotating electrical machines
IEC60092	船用电气设备（装备）及《钢质海船入级与建造规范》 Dimensions and output ratings for rotating electrical machines

电气特性 Electrical characteristics

工作环境条件 Operating Conditions

环境温度 Ambient temperature	-25~+45°C
冲击、振动 Ambient temperature	有 exist
周期横摇 Periodic rolling	±22.5°
横倾 Heel	15°
海拔 Altitude	0m
纵倾 Trim	10°
空气相对湿度 Relative humidity	≤ 95%
凝露、盐雾、油雾 Dew, Salt mist, Oil mist	有 exist

轴承型号 Bearing type

机座号 Frame	轴承 Bearing		
	主轴伸端 DE	非轴伸端 NDE	
	B3、B5、B35	V1	
112	6307-2RS/C3	6307-2RS/C3	6307-2RS/C3
132	6308-2RS/C3	6308-2RS/C3	6308-2RS/C3
160	6310-2RS/C3	6310-2RS/C3	6310-2RS/C3
180	N312	6312/C3	6312/C3
200	N312	6312/C3	6312/C3
225	N314	6314/C3	6314/C3



主要技术数据

Main technical data

单速电动机主要技术数据
Main technical data for single speed motors

型号 Type	工作方式 Duty	额定功率 Rated power (kW)		额定转速 Rated speed (r/min)		额定电流 Rated current (A)		直流电磁制动器 DC electromagnetic brake		
		380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	电压 Voltage (V)	电流 Current (A)	制动力矩 Brake torque N·m
YZ112S-4-H	30	1.5	1.8	1360	1632	4.3	4.5	110	1.37	33
YZ112M-4-H	30	2.2	2.5	1360	1630	6.0	5.92	110	1.37	33
YZ112L-4-H	30	3.7	4	1360	1630	9.6	8.98	110	1.37	33
YZ112S-6-H	30	1.1	1.2	890	1068	3.5	3.31	110	1.37	33
YZ112M-6-H	30	1.5	1.8	890	1068	4.65	4.42	110	1.37	33
YZ112L-6-H	30	2.2	2.5	890	1068	6.6	5.51	110	1.37	33
YZ132M1-4-H	30	5.5	6.3	1356	1670	13.4	13.3	110	1.56	72
YZ132M2-4-H	30	7.5	8.5	1360	1690	18.5	17.88	110	1.56	72
YZ132S-6-H	30	3.7	4	940	1130	10.5	9.85	110	1.56	72
YZ132M-6-H	30	5.5	6.3	940	1130	15.3	15.10	110	1.56	72
YZ160S-6-H	30	7.5	8.5	940	1140	19.73	19.31	110	1.61	160
YZ160L-6-H	30	11	13	930	1130	26.8	27.34	110	1.61	160
YZ180L-6-H	30	15	18.5	960	1152	36	38.42	110	2.24	203
YZ200M-6-H	30	18.5	22	950	1140	43.9	45.13	110	2.23	260
YZ225S-6-H	30	22	25	950	1140	50.97	50.03	110	2.16	399

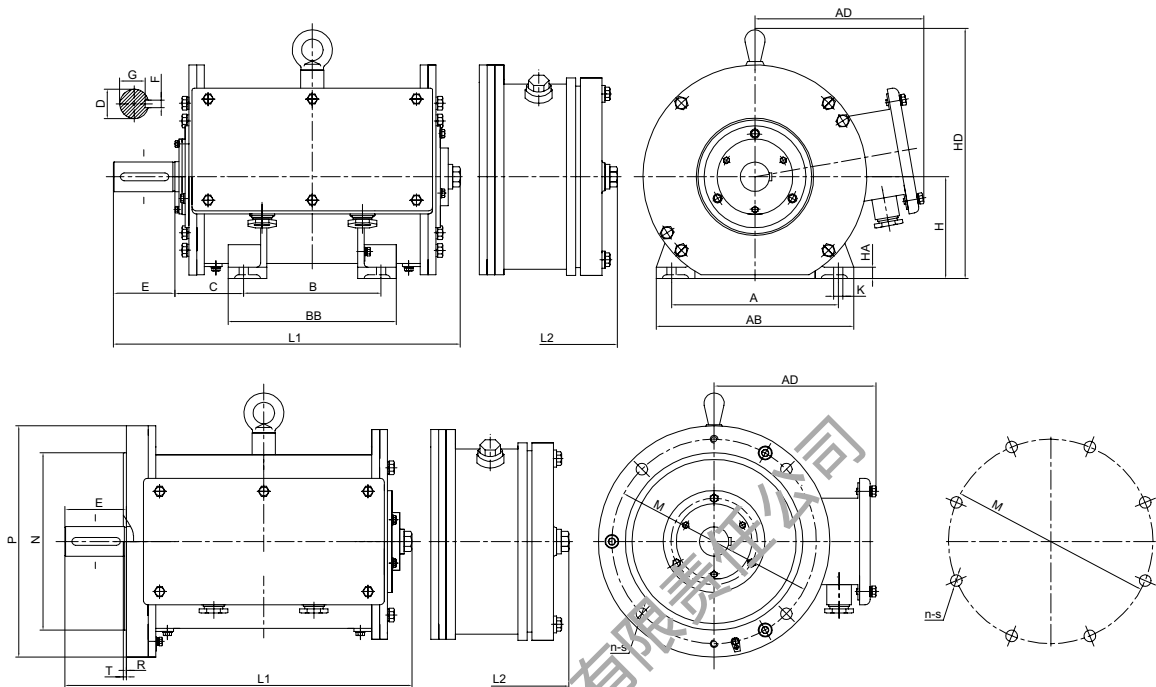
双速电动机主要技术数据
Main technical data for double speed motors

型号 Type	工作方式 Duty	额定功率 Rated power (kW)		额定转速 Rated speed (r/min)		额定电流 Rated current (A)		直流电磁制动器 DC electromagnetic brake		
		380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	电压 Voltage (V)	电流 Current (A)	制动力矩 Brake torque N·m
YZ132M-4/12-H	30/10	3/1.1	3.5/1.2	1360/430	1660/530	8.3/7.6	8.4/8.6	110	1.56	72
YZ132L-4/12-H	30/10	4/1.5	4.5/1.7	1400/430	1700/530	10.3/9.1	10/8.9	110	1.56	72
YZ160L-4/12-H	30/10	6.3/2.2	7.5/2.5	1394/426	1690/530	15.4/11.9	16.2/11.7	110	1.61	160
YZ180L-4/12-H	30/10	8.5/3.5	10/4.0	1400/438	1690/520	19/18	20.5/17.7	110	2.24	203
YZ180L-4/16-H	30/15	11/3.0	13/3.5	1424/328	1742/380	24/16	26.8/16.7	110	2.24	203
YZ200M-4/16-H	30/15	15/4.0	17/4.5	1420/340	1740/400	32.8/24.1	33.2/23.4	110	2.23	260
YZ200L-4/16-H	30/15	18.5/5.5	22/6.3	1420/340	1740/410	40.4/32.6	42.4/32.3	110	2.23	260



安装及外形尺寸

Mounting and overall dimensions



机座号 Frame	安装尺寸 Mounting dimension																外形尺寸 Overall dimension								重量 Weight (kg)	
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	n	AB	AD	BB	HA	HD	L1	L2	L1	L2	
112S	190	114	70	28	60	8	24	11	12	265	230	300	0	15	4	4	235	215	152	12	282	315	440	51	73	
112M	190	140	70	28	60	8	24	11	12	265	230	300	0	15	4	4	235	215	178	12	282	340	465	54	74	
112L	190	159	70	28	60	8	24	11	12	265	230	300	0	15	4	4	235	215	197	12	282	360	490	60	86	
132S	216	140	89	38	80	10	33	132	12	265	230	300	0	15	4	4	259	225	207	15	325	425	545	63	99	
132M	216	178	89	38	80	10	33	132	12	265	230	300	0	15	4	4	259	225	218	15	325	455	590	85	122	
132L	216	203	89	38	80	10	33	132	12	265	230	300	0	15	4	4	259	225	243	15	325	485	615	86	122	
160S	254	178	108	42	110	12	37	160	15	300	250	350	0	19	5	4	303	258	226	20	370	510	650	120	145	
160L	254	254	108	42	110	12	37	160	15	300	250	350	0	19	5	4	303	258	302	20	370	590	740	150	175	
180L	279	279	121	48	110	14	42.5	180	15	350	300	400	0	19	5	4	341	275	342	20	450	660	810	220	260	
200M	318	267	133	48	110	14	42.5	200	19	400	350	450	0	19	5	8	385	300	337	20	515	660	810	240	330	
200L	318	305	133	48	110	14	42.5	200	19	400	350	450	0	19	5	8	385	300	337	20	515	706	846	295	380	
225S	356	286	149	55	110	16	49	225	19	500	450	550	0	19	5	8	435	325	386	20	568	730	890	325	426	

所有产品数据仅供参考，数据以实物铭牌为准，如有疑问请与工厂联系。
All products data are just for reference, taking the actual nameplate as standard. If there are questions, please contact with the factory.



YZ-H 系列

船用起重用三相异步电动机（三速）

YZ-H Series Marine Three-phase Induction Motor for Hoisting (three speed)

YZ-H 系列起重用三相异步电动机是按照国家标准 GB755《旋转电机 性能和定额》、GB/T7060《船用旋转电机基本技术要求》、JB/T7597《YZ-H 系列船用起重用三相异步电动机技术条件》设计制造，具有性能好、体积小、噪音低、工作可靠、维修方便等特点。适用于各类船舶和石油平台作短时定额的甲板机械电力拖动之用。如锚机、绞盘机及绞盘等，也可作操作不频繁的起货机的动力。

The motors are manufactured and designed according to GB755 <Rotating electrical machines-Rating and performance> , GB/T7060 <General specifications for rotary electrical machines in ships>, JB/T7597 <Technical Conditions for YZ-H Series Marine Three-phase Induction Motors for Hoisting>. They have the features of good function, small volume, low noise, reliable work and convenient maintenance. They are suitable for intermittent electric driving on deck machinery in ships and oil platform, such as anchors, capstans and winches. They also can be used as power for operating infrequent crane.



标准和认证 Standard and certification

该系列电机也符合以下标准和规范的有关要求

The motors also comply with the relevant requirements of the following standards and specifications

IEC60034	旋转电机 Rotating electrical machines
IEC60068	基本环境试验程序 Basic environmental testing procedure
IEC60072	旋转电机安装尺寸及功率 Dimensions and output ratings for rotating electrical machines
IEC60092	船用电气设备（装备）及《钢质海船入级与建造规范》 Dimensions and output ratings for rotating electrical machines

电气特性 Electrical characteristics

工作环境条件 Operating Conditions

海拔 Altitude	0m
环境温度 Ambient temperature	-25~+45°C
空气相对湿度 Relative humidity	≤ 95%
冲击、振动 Shock and vibration	有 exist
凝露、盐雾、油雾 Dew, Salt mist, Oil mist	有 exist
周期横摇 Periodic rolling	±22.5°
横倾 Heel	15°
纵倾 Trim	10°

轴承型号 Bearing type

机座号 Frame	轴承 Bearing		
	主轴伸端 DE	非轴伸端 NDE	
	B3、B5、B35	V1	
200	N312	6312/C3	6312/C3
225	N314	6314/C3	6314/C3
250	N316	7316AC	6316/C3
280	N320	7320AC	6320/C3
315	N322	7322AC	6322/C3



主要技术数据

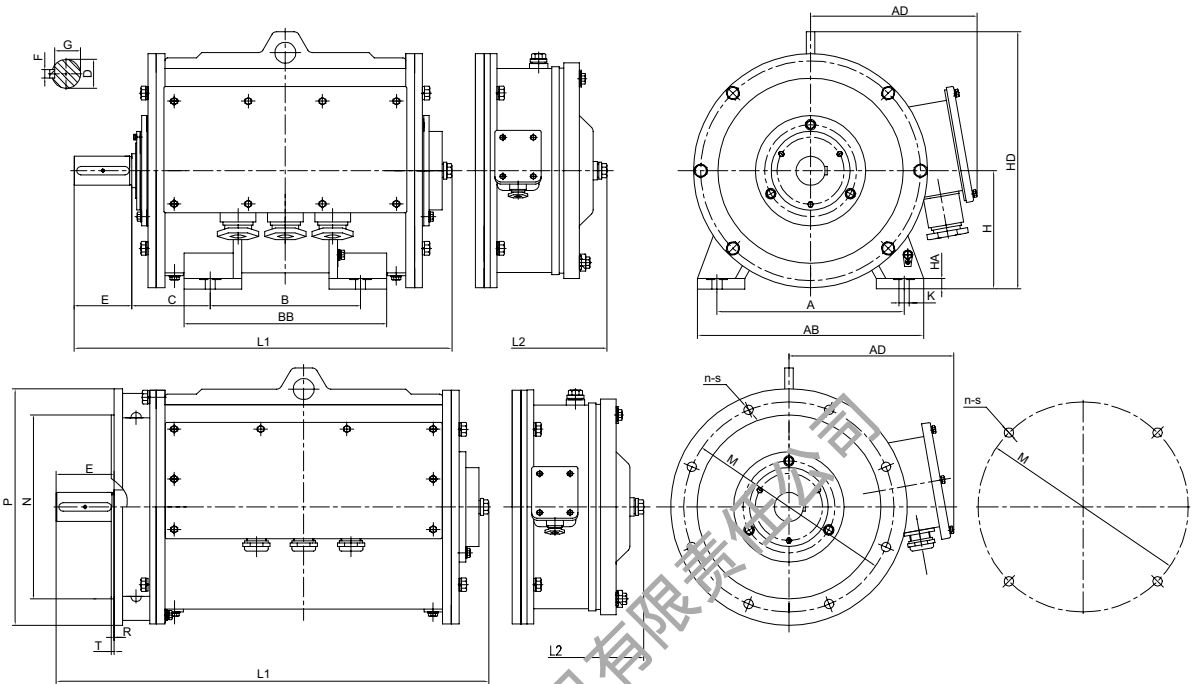
Main technical data

型号 Type	工作方式 Duty S2-min	额定功率 Rated power (kW)		额定电流 Rated current (A)		额定转速 Rated speed (r/min)		直流电磁制动器 DC electromagnetic brake		
		380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	电压 Voltage (V)	电流 Current (A)	制动力矩 Brake torque (N.m)
YZ200S-4/8/16-H	10/30/5	9	10	21.4	20.5	1435	1738	110	2.23	260
		9	10	24.7	23.7	684	837	110	2.23	260
		4.2	4.7	37.2	36.4	324	406	110	2.23	260
YZ200L-4/8/16-H	10/30/5	12.5	14	29.3	28.4	1437	1733	110	2.23	260
		12.5	14	34.3	33.2	689	840	110	2.23	260
		5.7	6.5	49.5	49.4	330	410	110	2.23	260
YZ225S-4/8/16-H	10/30/5	16.8	19	38.9	38.0	1421	1723	110	2.16	399
		16.8	19	46.2	45.0	683	835	110	2.16	399
		8	9.1	67.6	67.9	333	413	110	2.16	399
YZ225L-4/8/16-H	10/30/5	22.5	25	51.5	49.4	1422	1725	110	2.16	399
		22.5	25	60.3	57.9	636	838	110	2.16	399
		10.6	12	85.6	86.3	334	400	110	2.16	399
YZ250S-4/8/16-H	10/30/5	30	33.5	63.8	61.6	1410	1713	110	2.65	876
		30	33.5	71.3	68.7	680	832	110	2.65	876
		14.5	16	105.5	103.5	336	415	110	2.65	876
YZ250M-4/8/16-H	10/30/5	42	46	86.3	81.6	1410	1707	110	2.65	876
		42	46	95	89.8	676	830	110	2.65	876
		20	22	112.6	110	334	414	110	2.65	876
YZ280S-4/8/16-H	10/30/5	56	63	114	111.2	1415	1717	110	2.45	1550
		56	63	120.6	117.2	694	844	110	2.45	1550
		27	30	147.5	145	345	423	110	2.45	1550
YZ280L-4/8/16-H	10/30/5	75	84	154	149	1427	1729	110	2.45	1550
		75	84	161.5	156.2	692	843	110	2.45	1550
		36	40	182	179.5	345	423	110	2.45	1550
YZ315S-4/8/16-H	10/30/5	100	112	198	195	1450	1740	110	4.1	3000
		100	112	209	205	705	845	110	4.1	3000
		48	54	203	300	300	360	110	4.1	3000
YZ315L-4/8/16-H	10/30/5	135	148	267	258	1450	1740	110	4.1	3000
		135	148	282	271	705	845	110	4.1	3000
		65	71	410	395	300	360	110	4.1	3000



安装及外形尺寸

Mounting and overall dimensions



机座号 Frame	安装尺寸 Mounting dimension															外形尺寸 Overall dimension					重量 Weight (kg)			
	A	B	C	D	E	F	G	H	K	M	N	P	S	T	n	AB	AD	BB	HA	HD	L1	L2	L1	L2
200S	318	228	133	48	110	14	42.5	200	19	350	300	400	18	5	4	398	300	338	20	518	660	790	249	335
200L	318	305	133	48	110	14	42.5	200	19	350	300	400	18	5	4	398	300	418	20	518	740	870	280	385
225S	356	286	149	55	110	16	49	225	19	400	350	450	18	5	8	436	325	386	20	578	765	925	330	405
225L	356	356	149	55	110	16	49	225	19	400	350	450	18	5	8	436	325	456	20	578	835	995	390	465
250S	406	311	168	65	140	18	58	250	24	500	450	550	18	5	8	506	400	420	23	628	845	1030	600	690
250M	406	349	168	65	140	18	58	250	24	500	450	550	18	5	8	506	400	458	23	628	880	1060	700	850
280S	457	368	190	75	140	20	67.5	280	24	500	450	550	18	5	8	557	430	478	23	698	910	1125	800	975
280L	457	457	190	75	140	20	67.5	280	24	500	450	550	18	5	8	557	430	567	23	698	1000	1215	1010	1200
315S	508	406	216	90	170	25	81	315	30	-	-	-	-	-	-	635	475	516	23	735	1030	1250	1300	1470
315L	508	508	216	90	170	25	81	315	30	-	-	-	-	-	-	635	475	618	23	735	1135	1355	1565	1735



YZ-H 系列船用起重三相异步电动机 (出口型) (YZ112~225-H)

YZ-H Series Marine Three-phase Induction Motor for Hoisting (export type)

YZ-H 系列船用起重三相异步电动机（出口型）是按照国家标准 GB755《旋转电机 性能和定额》、GB/T7060《船用旋转电机基本技术要求》、JB/T7597《YZ-H 系列船用起重用三相异步电动机技术条件》设计制造，具有性能好、体积小、噪音低、工作可靠、维修方便、外形美观、抗冲击能力强等特点。适用于各类船舶和石油平台作短时定额的甲板机械电力拖动之用。如锚机、绞盘机及绞盘等，也可作操作不频繁的起货机的动力。

The motors are manufactured and designed according to GB755 <Rotating electrical machines-Rating and performance> , GB/T7060 <General specifications for rotary electrical machines in ships>, JB/T7597 <Technical Conditions for YZ-H Series Marine Three-phase Induction Motors for Hoisting>. They have the features of good function, small volume, low noise, reliable work, convenient maintenance, beautiful appearance and strong anti-shock. They are suitable for intermittent electric driving on deck machinery in ships and oil platform, such as anchors, capstans and winches. They also can be used as power for operating infrequent crane.



标准和认证 Standard and certification

该系列电机也符合以下标准和规范的有关要求

The motors also comply with the relevant requirements of the following standards and specifications

IEC60034	旋转电机 Rotating electrical machines
IEC60068	基本环境试验程序 Basic environmental testing procedure
IEC60072	旋转电机安装尺寸及功率 Dimensions and output ratings for rotating electrical machines
IEC60092	船用电气设备（装备）及《钢质海船入级与建造规范》 Dimensions and output ratings for rotating electrical machines

电动机还符合下列船级社规范的部分要求

The motors are also in conformity with partial specifications of the following Ships Classification Societies, such as

ABS、BV、LR、DNV.GL、KR、NK、RINA

电气特性 Electrical characteristics

工作环境条件

Operating Conditions

环境温度 Operating Conditions	-25~+45℃
冲击、振动 Shock and vibration	有 exist
周期横摇 Periodic rolling	±22.5°
横倾 Heel	15°
空气相对湿度 Relative humidity	≤ 95%
凝露、盐雾、油雾 Dew, Salt mist, Oil mist	有 exist
海拔 Altitude	0m
纵倾 Trim	10°

主要技术数据 Main technical data

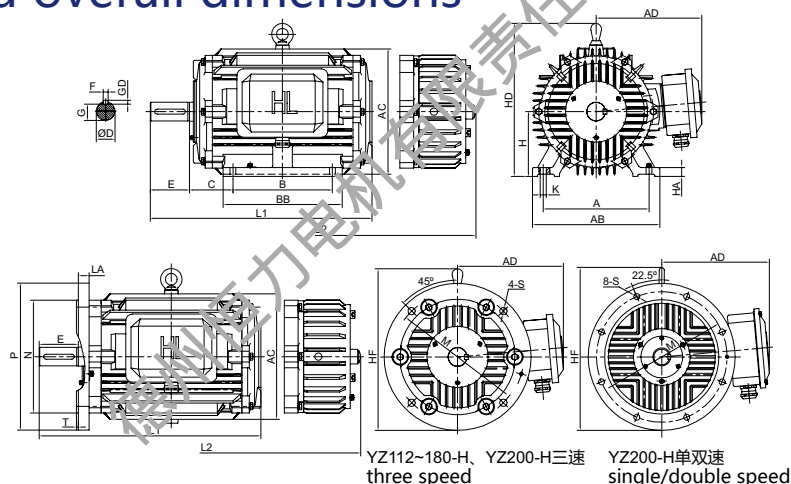
型号 Type	工作方式 Duty	额定功率 Rated power (kW)		额定转速 Rated speed (r/min)		额定电流 Rated current (A)		直流电磁制动器 DC electromagnet brake		
		380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	电压 Voltage (V)	电流 Current (A)	制动力矩 Brake torque N·m
YZ112S-4-H	30	1.5	1.8	1360	1632	4.3	4.5	110	1.37	33
YZ112M-4-H	30	2.2	2.5	1360	1630	6.0	5.92	110	1.37	33
YZ112L-4-H	30	3.7	4	1360	1630	9.6	8.98	110	1.37	33
YZ112S-6-H	30	1.1	1.2	890	1068	3.5	3.31	110	1.37	33
YZ112M-6-H	30	1.5	1.8	890	1068	4.65	4.82	110	1.37	33
YZ112L-6-H	30	2.2	2.5	890	1068	6.6	6.51	110	1.37	33
YZ132M1-4-H	30	5.5	6.3	1356	1670	13.4	13.25	110	1.86	72
YZ132M2-4-H	30	7.5	8.5	1360	1690	18.5	17.88	110	1.86	72
YZ132S-6-H	30	3.7	4	940	1130	10.5	9.85	110	1.86	72
YZ132M-6-H	30	5.5	6.3	940	1130	15.3	15.10	110	1.86	72
YZ132M-4/12-H	30/10	3/1.1	3.5/1.2	1360/430	1660/530	8.4/7.6	8.4/7.1	110	1.86	72
YZ132L-4/12-H	30/10	4/1.5	4.5/1.7	1400/430	1700/530	10.3/9.1	10/9	110	1.86	72
YZ160S-6-H	30	7.5	8.5	940	1130	19.73	19.31	110	1.61	160
YZ160L-6-H	30	11	13	940	1130	26.8	27.34	110	1.61	160
YZ160L-4/12-H	30/10	6.3/2.2	7.5/2.5	1394/426	1690/530	15.4/11.9	16.2/11.7	110	1.61	160
YZ180L-6-H	30	15	18.5	960	1152	36	38.42	110	2.24	203
YZ180L-4/12-H	30/10	8.5/3.5	10/4.0	1400/438	1690/520	19/18	20.5/17.7	110	2.24	203



主要技术数据 Main technical data

型号 Type	工作方式 Duty	额定功率 Rated power		额定转速 Rated speed		额定电流 Rated current		直流电磁制动器 DC electromagnetic brake		
		380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	电压 Voltage (V)	电流 Current (A)	制动力矩 Brake torque N·m
YZ180L-4/16-H	30/15	11/3.0	13/3.5	1424/328	1742/380	24/16	26.8/16.7	110	2.24	203
YZ200M-6-H	30	18.5	22	950	1140	43.9	45.13	110	2.23	260
YZ200M-4/16-H	30/15	15/4.0	17/4.5	1420/340	1740/400	32.8/24.1	33.2/23.4	110	2.23	260
YZ200L-4/16-H	30/15	18.5/5.5	22/6.3	1420/340	1740/410	40.4/32.6	42.4/32.3	110	2.23	260
YZ200S-4/8/16-H	10/30/5	9/9/4.2	10/10/4.7	1435/684/324	1738/837/406	21.4/24.7/37.3	20.5/23.7/36.4	110	2.23	260
YZ200L-4/8/16-H	10/30/5	12.5/12.5/4.7	14/14/6.5	1437/689/330	1733/840/410	29.3/34.3/49.5	28.4/33.2/49.4	110	2.23	260
YZ225S-6-H	30	22	25	950	1140	50.97	50.03	110	2.16	470
YZ225S-4/8/16-H	10/30/5	16.8/16.8/8	19/19/9.1	1421/683/333	1723/835/413	38.9/46.2/67.6	38/45/67.9	110	2.16	470
YZ225L-4/8/16-H	10/30/5	22.5/22.5/10.6	25/25/12	1422/686/334	1725/858/410	51.5/60.3/85.6	49.4/57.9/86.3	110	2.16	470

安装及外形尺寸 Mounting and overall dimensions



机座号 Frame	A	B	C	D	E	F	G	H	K	M	N	P	S	T	AB	AC	AD	BB	HA	HD	HF	LA	L1	L2
112S	190	114	70	28	60	8	24	112	12	265	230	300	15	4	226	215	215	152	15	270	310	22	310	430
112M	190	140	70	28	60	8	24	112	12	265	230	300	15	4	226	215	215	197	15	270	310	22	350	460
112L	190	159	70	28	60	8	24	112	12	265	230	300	15	4	226	215	215	197	15	270	310	22	350	460
132S	216	140	89	38	80	10	33	132	12	265	230	300	15	4	260	260	235	180	18	315	335	22	400	515
132M	216	178	89	38	80	10	33	132	12	265	230	300	15	4	260	260	235	243	18	315	335	22	460	575
132L	216	203	89	38	80	10	33	132	12	265	230	300	15	4	260	260	235	243	18	315	335	22	460	575
160S	254	178	108	42	110	12	37	160	15	300	250	350	18.5	5	305	310	265	262	20	385	400	22	530	675
160L	254	254	108	42	110	12	37	160	15	300	250	350	18.5	5	305	310	265	306	20	385	400	22	570	720
180L	279	279	121	48	110	14	42.5	180	15	350	300	400	18.5	5	342	350	285	349	22	440	455	24	630	790
200M 单双速 Single/Double speed	318	267	133	48	110	14	42.5	200	19	400	350	450	18.5	5	385	390	335	369	24	480	510	24	675	855
200L 双速 Double speed	318	305	133	48	110	14	42.5	200	19	400	350	450	18.5	5	385	390	335	369	24	480	510	24	675	855
200S 三速 Three speed	318	228	133	48	110	14	42.5	200	19	350	300	400	18.5	5	385	390	335	302	24	480	495	20	600	780
200L 三速 Three speed	318	305	133	48	110	14	42.5	200	19	350	300	400	18.5	5	385	390	335	369	24	480	495	20	675	855
225S 单速 Single speed	356	286	149	55	110	16	49	225	19	400	350	450	18.5	5	435	445	360	386	28	515	575	25	850	1015
225S 三速 Three speed	356	286	149	55	110	16	49	225	19	400	350	450	18.5	5	435	445	360	386	28	515	575	25	850	1015
225L 三速 Three speed	356	356	149	55	110	16	49	225	19	400	350	450	18.5	5	435	445	360	465	28	515	575	25	850	1015



JZ2-H 系列船用起重用三相异步电动机

JZ2-H Series Marine Three-phase Induction Motor for Hoisting

JZ2-H 系列船用起重用三相异步电动机，为鼠笼型结构。适用于船舶和石油平台上作短时和断续运行的电力拖动之用，如锚机、绞盘机及绞车等甲板机械。

The motors are squirrel cage structure. They are suitable for electric dragging in a short time and intermittent running in ships and oil platform, such as anchors, winches, capstans and deck machineries.



电气特性 Electrical characteristics

环境条件 Electrical characteristics

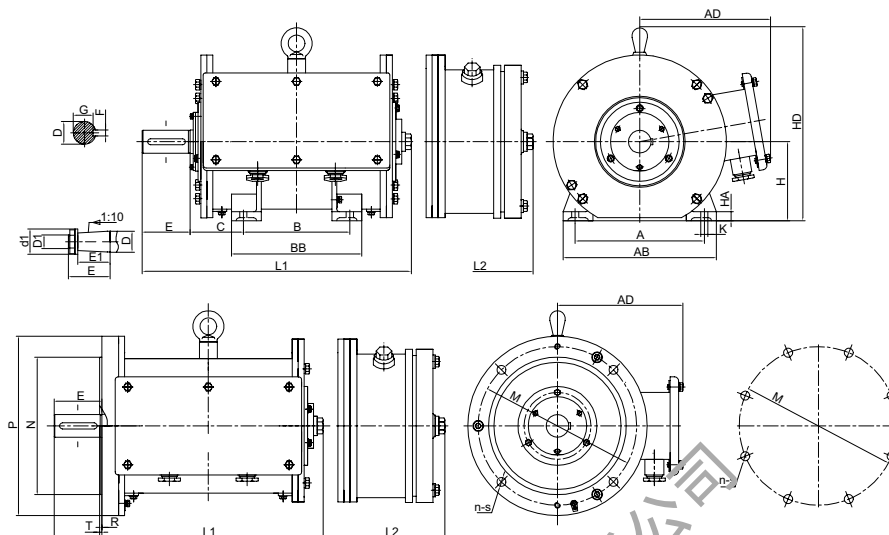
海拔 Altitude	0m
环境允许最高温度 Environment allowable highest temperature	+45°C
相对湿度 Relative humidity	≤ 95%
船舶正常营运中冲击和振动的影响 Shock and vibration affection during the ordinary sailing	有 exist
霉菌、盐雾和凝露 Dew, Salt mist, Oil mist	有 exist
横摇 Rolling	±22.5°
倾斜 Inclination	±22.5°

主要技术数据 Main technical data

型号 Type	功率 Power (kW)	电流 Current (A)		转速 Speed (r/min)		工作方式 Duty		制动器 Brake			重量 Weight (kg)
	380V 50Hz	380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz	S3 %	S2 min	制动力矩 Brake torque N.m	吸上电压	维持电压	
									Suction voltage (V)	Maintaining voltage (V)	
									吸上电流 Suction current (A)	维持电流 Maintaining current (A)	
JZ2-11-4-H	1.5	4.3	3.7	1400	1680	25	-	24.8	128/1.19	128/1.19	66
JZ2-12-4-H	2.2	6.0	5.2	1400	1680	25	-	24.8	128/1.19	128/1.19	86
JZ2-13-4-H	3.5	8.9	7.7	1400	1680	25	-	24.8	128/1.19	128/1.19	77
JZ2-21-4-H	5	12	10.4	1400	1680	25	-	54.8	128/1.78	128/1.78	110
JZ2-21-6-H	3.5	10	8.7	900	1080	25	-	54.8	128/1.78	128/1.78	110
JZ2-22-6-H	5	13.3	11.5	900	1080	25	-	54.8	128/1.78	128/1.78	122
JZ2-31-6-H	7.5	19.2	16.6	900	1080	25	-	119.6	128/2.05	128/2.05	174
JZ2-32-6-H	11	26.8	23.2	900	1080	25	-	119.6	128/2.05	128/2.05	195
JZ2-41-6-H	16	35	30.3	900	1080	25	-	232.8	110/9	30/2.45	365
JZ2-41-8-H	11	28.9	25	695	830	25	-	232.8	110/9	30/2.45	340
JZ2-22-4/12-H	3/1.2	6.8/7.12	5.9/6.15	1350/410	1620/490	-	30/10	40	110/1.6	30/0.85	112
JZ2-23-4/12-H	4.3/1.7	9.5/10.1	8.2/8.73	1350/410	1620/490	-	30/10	40	110/1.6	30/0.85	149
JZ2-32-4/12-H	6/2.5	12.9/11.3	11.2/9.76	1350/390	1620/465	-	30/10	119.6	110/4.5	30/1.23	177
JZ2-33-4/12-H	8.5/3.5	17.9/14.8	15.5/12.8	1370/390	1620/465	-	30/10	119.6	110/4.5	30/1.23	227
JZ2-33-4/16-H	8.5/2.4	19.2/11.6	16.6/10.1	1370/310	1620/370	-	30/15	119.6	110/4.5	30/1.23	230
JZ2-41-4/16-H	12/3.5	25/18.2	21.6/15.7	1370/320	1640/380	-	30/15	232.8	110/9	30/2.45	345
JZ2-42-4/16-H	18/5	37/23.8	32/20.6	1370/320	1640/380	-	30/15	232.8	110/9	30/2.45	407
JZ2-41-4/8/16-H	7.5/7.5/5	16.8/17.8/26	14.5/15.4/22.5	1400/665/300	1680/798/360	-	10/30/5	232.8	110/9	30/2.45	365
JZ2-42-4/8/16-H	11/11/7.5	23/25.5/36	19.9/22.1/31.1	1400/665/300	1680/798/360	-	10/30/5	232.8	110/9	30/2.45	415
JZ2-51-4/8/16-H	16/16/11	33/35.2/49	28.5/30.4/42.3	1400/665/300	1680/798/360	-	10/30/5	510.6	110/9	30/2.46	505
JZ2-52-4/8/16-H	22/22/16	43.7/47.8/71	37.8/41.3/61.3	1400/665/300	1680/798/360	-	10/30/5	510.6	110/9	30/2.46	575
JZ2-61-4/8/16-H	30/30/22	60.5/69.5/96	52.3/60.1/83	1420/670/300	1700/800/360	-	10/30/5	676	110/10.47	30/2.86	850
JZ2-71-4/8/16-H	45/45/30	88.5/100/142	76.5/86.4/122.7	1420/680/320	1700/810/380	-	10/30/5	889	110/18.25	30/4.98	1210
JZ2-72-4/8/16-H	60/60/45	114/135/195	98.5/116.6/168.5	1420/720/330	1700/860/390	-	10/30/5	1352	110/18.25	30/4.98	1560
JZ2-81-4/8/16-H	85/85/64	160/195/337	-	1450/720/355	-	-	10/30/5	3000	110/4.1	110/4.1	1470

安装及外形尺寸

Mounting and overall dimensions



型号	安装尺寸 Mounting dimension																轴伸型式 Shaft extension type	D1	E1	d1	HA
Type	A	B	C	D	E	F	G	H	K	M	N	P	S	T	n						
JZ2-11、12-4-H	190	140	85	28	60	8	24	112	14	265	230	300	15	4	4	圆柱形cylindrical	-	-	-	12	
JZ2-13-4-H	190	170	85	28	60	8	24	111	14	265	230	300	15	4	4	圆柱形cylindrical	-	-	-	12	
JZ2-21-4、6-H	220	150	90	32	80	10	27	125	14	265	230	300	15	4	4	圆柱形cylindrical	-	-	-	15	
JZ2-22-6、4/12-H	220	200	90	32	80	10	27	125	14	265	230	300	15	4	4	圆柱形cylindrical	-	-	-	15	
JZ2-23-4/12-H	220	270	90	32	80	10	27	125	14	265	230	300	15	4	4	圆柱形cylindrical	-	-	-	15	
JZ2-31-6-H	250	200	100	42	110	12	37	150	18	300	250	350	19	5	4	圆柱形cylindrical	-	-	-	20	
JZ2-32-6、4/12-H	250	280	100	42	110	12	37	150	18	300	250	350	19	5	4	圆柱形cylindrical	-	-	-	20	
JZ2-33-4/12、4/16-H	250	380	100	42	110	12	37	150	18	300	250	350	19	5	4	圆柱形cylindrical	-	-	-	20	
JZ2-41-6、8、4/16、4/8/16-H	320	305	120	50	110	16	43.5	200	26	400	350	450	19	5	8	圆柱形cylindrical	-	-	-	20	
JZ2-42-4/16、4/8/16-H	320	380	120	50	110	16	43.5	200	26	400	350	450	19	5	8	圆柱形cylindrical	-	-	-	20	
JZ2-51-4/8/16-H	360	360	140	60	140	18	52.9	225	26	500	450	550	19	5	8	圆柱形cylindrical	-	-	-	20	
JZ2-52-4/8/16-H	360	460	140	60	140	18	52.9	225	26	500	450	550	19	5	8	圆柱形cylindrical	-	-	-	20	
JZ2-61-4/8/16-H	420	440	160	70	140	20	26	250	32	500	450	550	19	5	8	圆锥形conical	M48×2	105	90	23	
JZ2-71-4/8/16-H	480	510	190	90	170	25	35	280	32	-	-	-	-	-	-	圆锥形conical	M60×3	130	110	23	
JZ2-72-4/8/16-H	480	660	190	90	170	25	35	280	32	-	-	-	-	-	-	圆锥形conical	M60×3	130	110	23	
JZ2-81-4/8/16-H	508	508	216	90	170	25	81	315	30	-	-	-	-	-	-	圆柱轴cylindrical	-	-	-	23	
型号	外形尺寸 Overall dimension																轴伸型式 Shaft extension type	D1	E1	d1	HA
Type	AB	AC	AD	BB	HD	L1	L2														
JZ2-11、12-4-H	220	250	190	180	275	410	485														
JZ2-13-4-H	220	250	190	210	275	440	515														
JZ2-21-4、6-H	260	280	195	190	295	410	530														
JZ2-22-6、4/12-H	260	280	195	240	295	460	590														
JZ2-23-4/12-H	260	280	195	310	295	530	660														
JZ2-31-6-H	300	320	235	250	345	560	650														
JZ2-32-6、4/12-H	300	320	235	330	345	640	730														
JZ2-33-4/12、4/16-H	300	320	235	430	345	740	830														
JZ2-41-6、8、4/16、4/8/16-H	380	420	295	375	470	700	820														
JZ2-42-4/16、4/8/16-H	380	420	295	450	470	770	895														
JZ2-51-4/8/16-H	430	450	325	460	510	840	990														
JZ2-52-4/8/16-H	430	450	325	560	510	940	1090														
JZ2-61-4/8/16-H	510	550	380	550	575	950	1130														
JZ2-71-4/8/16-H	560	620	410	620	600	1060	1255														
JZ2-72-4/8/16-H	560	620	410	770	600	1200	1535														
JZ2-81-4/8/16-H	635	670	475	618	735	1135	1355														



YT2-H 系列 船用轴流风机用三相异步电动机

YT2-H Series Marine Three-phase Induction Motor for Axial Ventilator

YT2-H 系列船用轴流风机用三相异步电动机是为船舶和石油平台通风机设计的专用电动机。除外形及安装尺寸外，其他性能指标与 Y-H 系列电动机相同。

The motors are specially designed for ventilator used in ships and oil platforms. Except the overall and mounting dimension, the other performances are as same as the Y-H series motors.



电气特性

Electrical characteristics

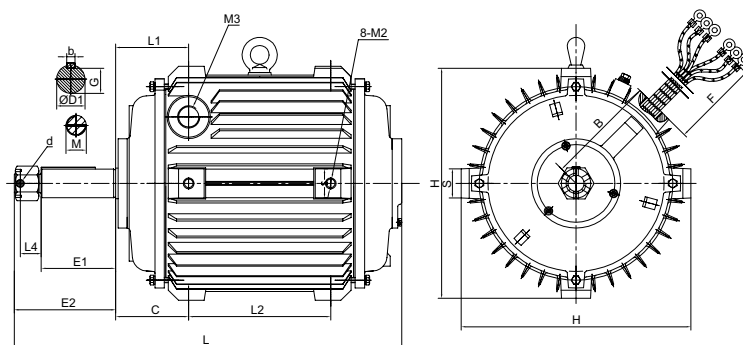
环境条件 Operating Conditions	
环境温度 Ambient temperature	0°C ~ +45°C
海拔 Altitude	0m
额定频率 Rated frequency	50Hz 或 (or) 60Hz
额定电压 Rated voltage	380V 或 (or) 440V
接线方法 Rated voltage	3kW 及以下为 Y，其他功率为 Δ 3KW and below is Y, the others are Δ
工作方式 Duty	连续 continuous S1

主要技术数据

Main technical data

型号 Type	功率 Power (kW)	电流 Current (A)		转速 Speed (r/min)		型号 Type	功率 Power (kW)	电流 Current (A)		转速 Speed (r/min)	
		380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz			380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz
YT2-80M1-2-H	0.75	1.8	1.6	2820	3460	YT2-225M-4-H	45	84.0	73.4	1480	1780
YT2-80M2-2-H	1.1	2.6	2.2	2820	3460	YT2-250M-4-H	55	102.7	88.7	1480	1780
YT2-90S-2-H	1.5	3.5	3.1	2840	3470	YT2-280S-4-H	75	139.2	120.9	1480	1790
YT2-90L-2-H	2.2	4.9	4.3	2840	3470	YT2-280M-4-H	90	164.3	141.9	1480	1790
YT2-100L-2-H	3	6.2	5.4	2890	3470	YT2-90S-6-H	0.75	2.2	2.0	910	1130
YT2-112M-2-H	4	8.2	7.2	2890	3500	YT2-90L-6-H	1.1	3.2	2.9	910	1130
YT2-132S1-2-H	5.5	11.0	9.6	2900	3520	YT2-100L-6-H	1.5	4.0	3.5	950	1140
YT2-132S2-2-H	7.5	14.6	12.9	2900	3520	YT2-112M-6-H	2.2	5.8	5.2	940	1150
YT2-160M1-2-H	11	21.6	18.8	2930	3520	YT2-132S-6-H	3	7.2	6.4	960	1170
YT2-160M2-2-H	15	28.9	24.9	2930	3520	YT2-132M1-6-H	4	9.5	8.2	960	1170
YT2-160L-2-H	18.5	35.7	30.3	2930	3520	YT2-132M2-6-H	5.5	12.5	10.7	960	1170
YT2-180M-2-H	22	41.4	36.9	2940	3530	YT2-160M-6-H	7.5	17.1	14.8	970	1160
YT2-200L1-2-H	30	57.9	50.3	2960	3560	YT2-160L-6-H	11	25.0	21.8	970	1160
YT2-200L2-2-H	37	69.4	60.3	2960	3570	YT2-180L-6-H	15	33.0	29.3	970	1160
YT2-225M-2-H	45	85.9	76.3	2970	3580	YT2-200L1-6-H	18.5	37.6	32.7	980	1180
YT2-250M-2-H	55	103.2	91.7	2970	3580	YT2-200L2-6-H	22	44.7	38.9	980	1180
YT2-280S-2-H	75	139.2	120.9	2970	3580	YT2-225M-6-H	30	61.1	53.1	990	1190
YT2-280M-2-H	90	167.1	143.5	2970	3580	YT2-250M-6-H	37	71.0	61.3	980	1180
YT2-80M1-4-H	0.55	1.5	1.4	1390	1710	YT2-280S-6-H	45	86.4	75.5	980	1190
YT2-80M2-4-H	0.75	2.1	1.8	1390	1710	YT2-280M-6-H	55	103.2	89.7	980	1190
YT2-90S-4-H	1.1	2.7	2.4	1400	1710	YT2-132S-8-H	2.2	5.8	5.2	710	860
YT2-90L-4-H	1.5	3.6	3.2	1400	1710	YT2-132M-8-H	3	7.6	6.8	710	860
YT2-100L1-4-H	2.2	5.1	4.5	1450	1740	YT2-160M1-8-H	4	10.5	9.1	720	860
YT2-100L2-4-H	3	6.8	5.9	1450	1740	YT2-160M2-8-H	5.5	13.4	11.5	720	860
YT2-112M-4-H	4	8.9	7.7	1440	1750	YT2-160L-8-H	7.5	17.7	15.5	720	860
YT2-132S-4-H	5.5	11.7	10.0	1440	1750	YT2-180L-8-H	11	25.6	22.2	730	876
YT2-132M-4-H	7.5	15.4	13.2	1440	1750	YT2-200L-8-H	15	33.3	29.2	730	880
YT2-160M-4-H	11	22.8	19.5	1460	1750	YT2-225S-8-H	18.5	40.3	35.6	740	890
YT2-160L-4-H	15	30.5	26.3	1460	1750	YT2-225M-8-H	22	47.4	41.7	740	890
YT2-180M-4-H	18.5	35.9	30.9	1470	1760	YT2-250M-8-H	30	64.7	57.1	730	890
YT2-180L-4-H	22	42.2	36.9	1470	1760	YT2-280S-8-H	37	79.8	68.9	740	890
YT2-200L-4-H	30	57.3	49.8	1480	1780	YT2-280M-8-H	45	94.8	80.8	740	890
YT2-225S-4-H	37	70.2	60.3	1480	1780						

安装及外形尺寸 Mounting and overall dimensions



机座号 Frame	D1	b	G	E1	E2	L	L1	C	L2	F	L4	B	M	H	d	M3	8-M2	S
80	19	6	15.5	40	62	270	50	50	100	240	16	82	M12	175	3.2	G3/4	M8 深 depth 20	24
90S	24	8	20	50	78	295	56	56	100	240	20	90	M16	190	4.2	G3/4	M10 深 depth 20	28
90L	24	8	20	50	78	330	56	56	135	300	20	90	M16	190	4.2	G3/4	M12 深 depth 20	28
100L	28	8	24	60	92	365	55.5	55.5	155	340	24	102	M20	215	4.2	G3/4	M12 深 depth 20	32
112M	28	8	24	60	92	375	60	60	160	330	24	122	M20	255	4.2	G3/4	M12 深 depth 20	34
132S	38	10	33	80	119	450	68	68	182	400	31	140	M30	290	6.2	G1	M16 深 depth 20	45
132M	38	10	33	80	119	490	68	68	220	450	31	140	M30	290	6.2	G1	M16 深 depth 20	45
160M	42	12	37	110	150	575	108	108	210	475	31	164	M30	340	6.2	G1	M16 深 depth 24	45
160L	42	12	37	110	150	620	108	108	254	630	31	164	M30	340	6.2	G1	M16 深 depth 24	45
180M	48	14	42.5	110	150	660	121	121	270	650	31	180	M30	380	6.2	G1	M16 深 depth 20	45
180L	48	14	42.5	110	150	700	121	121	310	650	31	180	M30	380	6.2	G1	M16 深 depth 20	45
200L	55	16	49	110	160	730	133	133	340	650	36	200	M36	420	6.2	G1 _{1/4}	M16 深 depth 20	40
225S	60	18	53	110	160	850	162	162	330	800	36	225	M36	470	6.2	G1 _{1/4}	M20 深 depth 20	45
225M	60	18	53	110	160	850	162	162	350	800	36	225	M36	470	6.2	G1 _{1/4}	M20 深 depth 20	45
250M	65	18	58	140	180	865	180	172.5	340	800	-	239	M42	476	-	G2 _{1/4}	M16 深 depth 24	50
280S	75	20	67.5	140	180	930	173	162	424	800	-	267	M52	540	-	G2 _{1/4}	M16 深 depth 26	46
280M	75	20	67.5	140	180	980	173	162	475	800	-	267	M52	540	-	G2 _{1/4}	M16 深 depth 26	46

注：本产品样本中，所有产品数据参数及图样仅供参考。

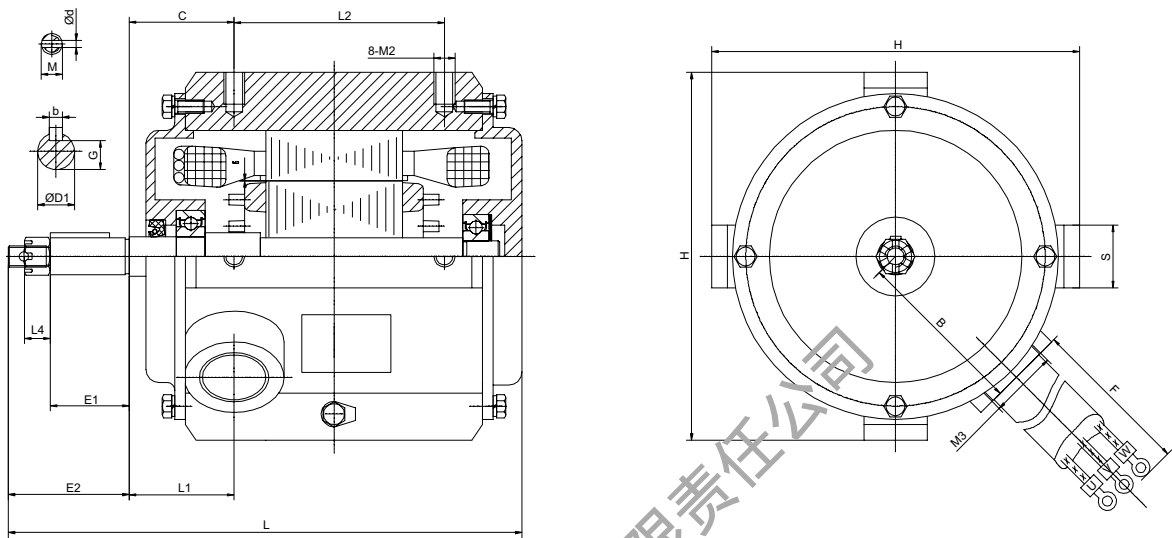
Note: In the product sample, all products data, parameters and drawings are just for reference.



YT2H 小电机主要技术参数

Main technical data for small motors

YT2-63-71-H 机座 Frame



机座号 Frame	D1	b	G	E1	E2	L	L1	C	L2	F	L4	B	M	H	d	M3	8-M2	S
YT2-63-H	14	5	11	30	46	200	40	40	80	200	10	65	M8	140	2.7	G3/4	M8 深 depth 12	24
YT2-71-H	14	5	11	30	46	220	45	45	90	200	10	72	M8	155	2.7	G3/4	M8 深 depth 14	24

注：外形及尺寸仅供参考。
Overall and dimensions are just for reference.

铭牌数据 YT2-H- 机座
Overall and dimensions are just for reference.

机座号 Type	功率 Power (kW)	电流 Current (A)		转速 Speed (r/min)	
		380V/50Hz	440V/60Hz	380V/50Hz	440V/60Hz
YT2-631-2-H	0.18	0.62	0.54	2800	3360
YT2-632-2-H	0.25	0.68	0.60	2800	3360
YT2-631-4-H	0.12	0.44	0.38	1310	1570
YT2-632-4-H	0.18	0.62	0.54	1310	1570
YT2-711-2-H	0.37	0.99	0.86	2800	3360
YT2-712-2-H	0.55	1.4	1.2	2800	3360
YT2-711-4-H	0.25	0.79	0.68	1310	1570
YT2-712-4-H	0.37	1.12	0.97	1310	1570

注：数据仅供参考，一切以电机上铭牌数据为准。
All data are just for reference, taking the data on the nameplate as standard.



YVF2-H 系列船用变频调速三相异步电动机

YVF2-H Series Marine Variable Frequency Adjustable Speed Three-phase Induction Motor

YVF2-H 系列船用变频调速三相异步电动机是一种交流、高效、节能型调速电动机，与变频器配合使用，是机电一体化的调速新产品。具有噪声低振动小、起动转矩大、起动电流小、结构简单、运行可靠、维修方便使用范围广等特点。在 3(5)~100Hz 甚至更宽的范围内能平滑无级调速，单独装有强迫冷却风机，在不同的转速下均有较好的冷却效果，适用于船舶和石油平台上作驱动各种机械，如泵类、通风机、分离器、液压机械及其它辅助设备之用。

YVF2-H 系列是按照国际电工委员会标准 IEC60034-1《旋转电机 定额和性能》和现行的《钢质海船入级与建造规范》设计的。

The motors are AC, high-efficiency, energy-saving and adjustable speed. Equipped with frequency converter, they are new products with mechatronics and adjustable speed. They have features of low noise, small vibration, high starting torque, small starting current, simple construction, steady operation, easy maintenance and wide usage range. Flat and stepless speed adjustment can be done in 3(5)~100Hz or more, they are installed forced cooling axial blowers separately. Best cooling effect has been got at any speed. The motors are suitable for driving various machines on ships, such as pumps, blowers, separators, hydraulic engines and other auxiliary equipments.

The motors are designed according to IEC60034-1 <Rotating electrical machines-Rating and performance> and <Rules for the construction of sea-going steel ships>.



标准和认证

Standard and certification

电动机也符合以下标准和规范的有关要求
The motors also comply with the relevant requirements of the following standards and specifications

IEC60034	旋转电机 Rotating electrical machines
IEC60068	环境试验 Basic environmental testing procedure
IEC60072	旋转电机的尺寸及功率等级 Dimensions and output ratings for rotating electrical machines
IEC60092	船用电器设备 Marine electric apparatus

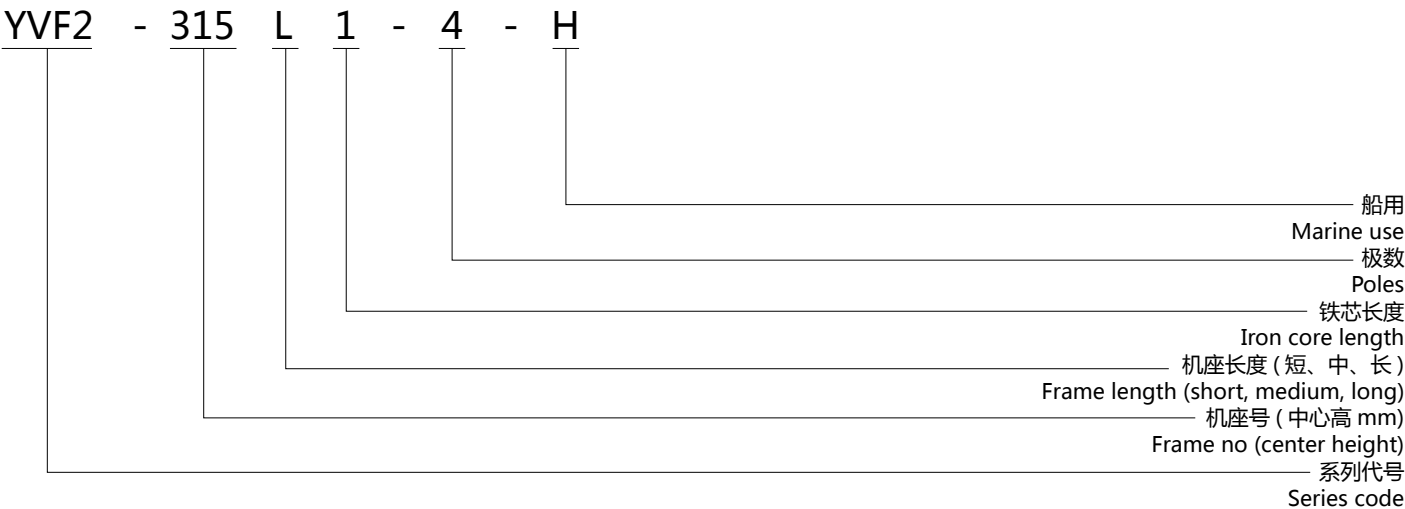
电动机还符合下列船级社规范的部分要求
The motors are also in conformity with partial specifications of the following Ships Classification Societies

LR	英国劳氏船级社 Lloyd's Register of Shipping
DNV.GL	挪威船级社 DET NORSKE VERITAS, Germanischer Lloyd
NK	日本海事协会 (日本船级社) Nippon Kaiji Kyokai
BV	法国船级社 BUREAU VERITAS
KR	韩国船级社 Korean register of shipping
RINA	意大利船级社 Registro Italiano Navale
ABS	美国船级社 America bureau of shipping

型号命名

Type name

电动机的型号由字母和数字组成。
The type consists of several letters and digits.





电气特性

Electrical characteristics

轴承 Bearing

采用满压直接起动，在空载或轻载时，允许采用降压起动。
Direct on full-voltage starting, reducing voltage starting allowable at no-load or light load.

表 Table 1

机座号 Frame no	极数 Pole	轴承 Bearing		
		主轴伸端 DE		非轴伸端 NDE
		B3、B5、B35	V1	
80	4, 6	6204-2RS/C3	6204-2RS/C3	6204-2RS/C3
90	4, 6	6205-2RS/C3	6205-2RS/C3	6205-2RS/C3
100	4, 6	6206-2RZ/C3	6206-2RZ/C3	6206-2RZ/C3
112	4, 6, 8	6206-2RZ/C3	6206-2RZ/C3	6206-2RZ/C3
132	4, 6, 8	6208-2RZ/C3	6208-2RZ/C3	6208-2RZ/C3
160	4, 6, 8	6309-2RZ/C3	6309-2RZ/C3	6309-2RZ/C3
180	4, 6, 8	6311/C3	6311/C3	6311/C3
200	4, 6, 8	6312/C3	6312/C3	6312/C3
225	4, 6, 8	6313/C3	6313/C3	6312/C3
250	4, 6, 8	6314/C3	6314/C3	6313/C3
280	4, 6, 8	6317/C3	6317/C3	6314/C3
315	4, 6, 8	6319/Z2	7319ACJ	6319/Z2
355	4, 6, 8	6322/Z2	7322ACJ	6322/Z2

绝缘、温升 Insulation, temperature rise

绝缘 Insulation	F 级
绕组温升 (电阻法) Winding temperature rise (Resistance method)	75K 或 (or) 100K
轴承允许温度 (温度计法) Bearing allowance temperature (thermometer method)	90°C

工作方式 Duty

连续工作制 (S1).
Continuous (S1).

工作条件 Operating Conditions

环境空气温度 Temperature of Ambient air	0°C ~45°C
海拔 Altitude	0m
空气相对湿度 Relative humidity	≤ 95%
凝露 Dew	有 exists
盐雾 Salt mist	有 exists
油雾 Oil mist	有 exists
霉菌 Fungus	有 exists
冲击 Shock	有 exists
振动 Vibration	有 exists
倾斜摇摆 Inclination and Swing	±22.5°

电压、频率 Voltage, frequency

额定电压 Rated voltage	380V
额定频率 Rated frequency	50Hz

调频范围 Frequency changeable range

机座号为 80 ~ 225 的电动机，恒转矩调频范围为 5Hz ~ 50Hz，恒功率调频范围为 50Hz ~ 100Hz；机座号为 250 ~ 355 的电动机，恒转矩调频范围为 3Hz ~ 50Hz，恒功率调频范围为 50Hz ~ 100Hz。
The frame size is 80~225, the frequency changeable range of the constant torque is 5HZ~50HZ, the frequency changeable range of the constant power is 50HZ~100HZ. The frame size is 250~355, the frequency changeable range of the constant torque is 3HZ~50HZ, the frequency changeable range of the constant power is 50HZ~100HZ.



机械特性

Mechanical characteristics

噪声 Noise

电动机在采用变频器供电条件下，空载时测得的 A 计权声功率级的噪声限值如表 2 所示。

Under the frequency converter supply condition, the noise limitation value of acoustic power level measured by no load is show on the Table 2.

表 Table 2

功率 Power (kW)	同步转速 Synchronous speed (r/min)		
	1500	1000	750
声功率级 Acoustic power level dB (A)			
0.55	79	79	79
0.75	79	79	79
1.1	79	79	79
1.5	83	83	83
2.2	83	83	83
3	87	87	87
4	87	87	87
5.5	91	91	91
7.5	91	91	91
11	93	93	93
15	93	93	93
18.5	93	93	93
22	98	98	98
30	101	101	101
37	101	101	101
45	103	103	103
55	103	103	103
75	105	105	105
90	105	105	105
110	107	107	107
132	107	107	107
160	109	109	109
200	109	109	109
250	111	-	-
315	111	-	-
355	113	113	113

振动 Vibration

电动机在采用变频器供电条件下空载时测得的振动烈度有效值应不超过表 3 的数值。

The effective values of vibration velocity that measured at the no-load conditions and supplied by frequency converter do not exceed the values given in table 3.

表 Table 3

机座号 Frame	≤ 132	> 132 ~ 225	> 225 ~ 500
振动烈度有效值 (mm/s)	1.8	2.8	3.5
Effective values of vibration velocity			

安装结构型式 Mounting Arrangements

电动机各机座号所具，有的安装结构型式如表 4 所示。根据用户需求我公司可提供其他安装型式的电动机。

All mounting arrangements of every type is show in Table 4. According to the customer's requirements, we also can provide the other mounting ways.

B3	卧式，底脚安装 Horizontal, foot-mounted
B5	卧式，凸缘安装 Horizontal flange-mounted
B35	卧式，底脚和凸缘安装 Horizontal, foot and flange mounted
V1	立式，凸缘安装 Vertical, flange mounted

表 Table 4

机座号 Frame	安装结构型式 (IM) Mounting way
80 ~ 280	B3 , B5 , B35 , V1
315 ~ 355	B3 , B35 , V1



主要技术数据

Main technical data

电动机的技术数据如表 5 至表 7 所示。根据用户特殊要求我公司可生产极数为两极的电动机。

The Table 5 and 7 show the motor's technical data. According to the customer's special requirements, we can also produce 2 poles motors.

表 5 (4 极)
Table 5 (4 poles)

机座号 Frame	标称功率 Nominal Power (kW)	标称电流 Nominal Current (A)	额定转矩 Rated torque (N·m)	最大转矩 / 额定转矩 Max. Torque/ Rated torque	恒转矩变频范围 Constant torque frequency changeable range (Hz)	恒功率变频范围 Constant power frequency changeable range (Hz)
YVF2-80M1-4-H	0.55	1.5	3.5	2.3	5 ~ 50	50 ~ 100
YVF2-80M2-4-H	0.75	2.1	4.7	2.3	5 ~ 50	50 ~ 100
YVF2-90S-4-H	1.1	2.7	7.0	2.3	5 ~ 50	50 ~ 100
YVF2-90L-4-H	1.5	3.6	9.5	2.3	5 ~ 50	50 ~ 100
YVF2-100L1-4-H	2.2	5.0	14.0	2.3	5 ~ 50	50 ~ 100
YVF2-100L2-4-H	3	6.8	19.0	2.3	5 ~ 50	50 ~ 100
YVF2-112M-4-H	4	8.9	25.4	2.3	5 ~ 50	50 ~ 100
YVF2-132S-4-H	5.5	11.7	35.0	2.3	5 ~ 50	50 ~ 100
YVF2-132M-4-H	7.5	15.4	47.7	2.3	5 ~ 50	50 ~ 100
YVF2-160M-4-H	11	22.6	70.0	2.3	5 ~ 50	50 ~ 100
YVF2-160L-4-H	15	30.5	95.5	2.3	5 ~ 50	50 ~ 100
YVF2-180M-4-H	18.5	35.9	117.1	2.3	5 ~ 50	50 ~ 100
YVF2-180L-4-H	22	42.2	140.9	2.3	5 ~ 50	50 ~ 100
YVF2-200L-4-H	30	57.3	190.9	2.3	5 ~ 50	50 ~ 100
YVF2-225S-4-H	37	70.2	235.5	2.3	5 ~ 50	50 ~ 100
YVF2-225M-4-H	45	84.0	286.4	2.3	5 ~ 50	50 ~ 100
YVF2-250M-4-H	55	104	350.1	2.3	3 ~ 50	50 ~ 100
YVF2-280S-4-H	75	136	477.7	2.3	3 ~ 50	50 ~ 100
YVF2-280M-4-H	90	164	572.9	2.3	3 ~ 50	50 ~ 100
YVF2-315S-4-H	110	201	700.2	2.2	3 ~ 50	50 ~ 100
YVF2-315M-4-H	132	240	840.3	2.2	3 ~ 50	50 ~ 100
YVF2-315L1-4-H	160	289	1018	2.2	3 ~ 50	50 ~ 100
YVF2-315L2-4-H	200	361	1273	2.2	3 ~ 50	50 ~ 100
YVF2-355M-4-H	250	464	1592	2.2	3 ~ 50	50 ~ 100
YVF2-355L-4-H	315	582	2005	2.2	3 ~ 50	50 ~ 100



主要技术数据

Main technical data

表 6 (6 极)
Table 6 (6 poles)

机座号 Frame	标称功率 Nominal Power (kW)	标称电流 Nominal Current (A)	额定转矩 Rated torque (N·m)	最大转矩 / 额定转矩 Max. Torque/ Rated torque	恒转矩变频范围 Constant torque frequency changeable range (Hz)	恒功率变频范围 Constant power frequency changeable range (Hz)
YVF2-90S-6-H	0.75	2.2	7.2	2.1	5 ~ 50	50 ~ 100
YVF2-90L-6-H	1.1	3.2	10.5	2.1	5 ~ 50	50 ~ 100
YVF2-100L-6-H	1.5	4.0	14.3	2.1	5 ~ 50	50 ~ 100
YVF2-112M-6-H	2.2	5.8	21.0	2.1	5 ~ 50	50 ~ 100
YVF2-132S-6-H	3	7.2	28.7	2.1	5 ~ 50	50 ~ 100
YVF2-132M1-6-H	4	9.5	38.2	2.1	5 ~ 50	50 ~ 100
YVF2-132M2-6-H	5.5	12.5	52.5	2.1	5 ~ 50	50 ~ 100
YVF2-160M-6-H	7.5	17.1	71.6	2.1	5 ~ 50	50 ~ 100
YVF2-160L-6-H	11	25.0	105.1	2.1	5 ~ 50	50 ~ 100
YVF2-180L-6-H	15	33.0	143.2	2.1	5 ~ 50	50 ~ 100
YVF2-200L1-6-H	18.5	37.6	176.7	2.1	5 ~ 50	50 ~ 100
YVF2-200L2-6-H	22	44.7	210.1	2.1	5 ~ 50	50 ~ 100
YVF2-225M-6-H	30	61.1	286.5	2.1	5 ~ 50	50 ~ 100
YVF2-250M-6-H	37	71.0	353.4	2.1	3 ~ 50	50 ~ 100
YVF2-280S-6-H	45	86.4	429.8	2.0	3 ~ 50	50 ~ 100
YVF2-280M-6-H	55	103	525.3	2.0	3 ~ 50	50 ~ 100
YVF2-315S-6-H	75	141	716.3	2.0	3 ~ 50	50 ~ 100
YVF2-315M-6-H	90	169	859.5	2.0	3 ~ 50	50 ~ 100
YVF2-315L1-6-H	110	205	1051	2.0	3 ~ 50	50 ~ 100
YVF2-315L2-6-H	132	245	1261	2.0	3 ~ 50	50 ~ 100
YVF2-355M1-6-H	160	302	1528	2.0	3 ~ 50	50 ~ 100
YVF2-355M2-6-H	200	377	1910	2.0	3 ~ 50	50 ~ 100
YVF2-355L-6-H	250	469	2388	2.0	3 ~ 50	50 ~ 100



主要技术数据 Main technical data

表 7 (8 极)
Table 7 (8 poles)

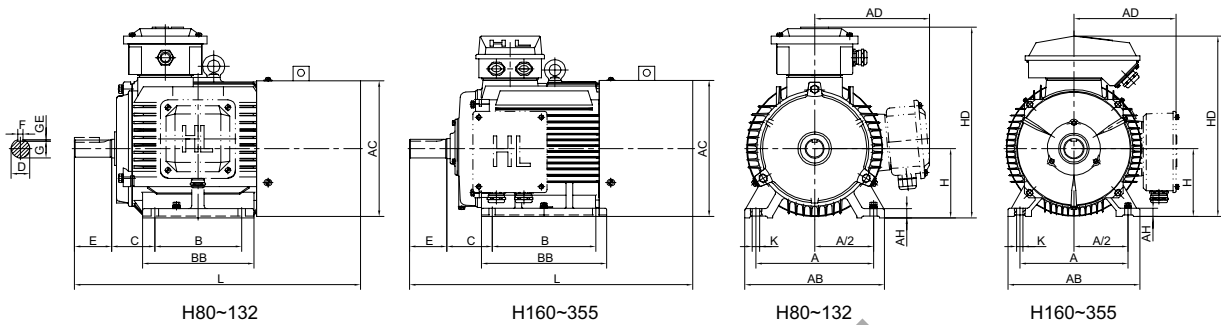
机座号 Frame	标称功率 Nominal Power (kW)	标称电流 Nominal Current (A)	额定转矩 Rated torque (N·m)	最大转矩 / 额定转矩 Max. Torque/ Rated torque	恒转矩变频范围 Constant torque frequency changeable range (Hz)	恒功率变频范围 Constant power frequency changeable range (Hz)
YVF2-132S-8-H	2.2	5.8	28.0	2.0	5 ~ 50	50 ~ 100
YVF2-132M-8-H	3	7.6	38.2	2.0	5 ~ 50	50 ~ 100
YVF2-160M1-8-H	4	10.5	50.9	2.0	5 ~ 50	50 ~ 100
YVF2-160M2-8-H	5.5	13.4	70.0	2.0	5 ~ 50	50 ~ 100
YVF2-160L-8-H	7.5	17.7	95.5	2.0	5 ~ 50	50 ~ 100
YVF2-180L-8-H	11	25.6	140.1	2.0	5 ~ 50	50 ~ 100
YVF2-200L-8-H	15	33.3	191.0	2.0	5 ~ 50	50 ~ 100
YVF2-225S-8-H	18.5	40.3	235.6	2.0	5 ~ 50	50 ~ 100
YVF2-225M-8-H	22	47.4	278.1	2.0	5 ~ 50	50 ~ 100
YVF2-250M-8-H	30	64.7	382.0	2.0	3 ~ 50	50 ~ 100
YVF2-280S-8-H	37	79.8	471.1	2.0	3 ~ 50	50 ~ 100
YVF2-280M-8-H	45	94.8	573.0	2.0	3 ~ 50	50 ~ 100
YVF2-315S-8-H	55	114	700.3	2.0	3 ~ 50	50 ~ 100
YVF2-315M-8-H	75	152	955.0	2.0	3 ~ 50	50 ~ 100
YVF2-315L1-8-H	90	179	1146	2.0	3 ~ 50	50 ~ 100
YVF2-315L2-8-H	110	218	1400	2.0	3 ~ 50	50 ~ 100
YVF2-355M1-8-H	132	265	1681	2.0	3 ~ 50	50 ~ 100
YVF2-355M2-8-H	160	320	2037	2.0	3 ~ 50	50 ~ 100
YVF2-355L-8-H	200	399	2547	2.0	3 ~ 50	50 ~ 100



安装及外形尺寸

Mounting and overall dimensions

机座带底脚、端盖上无凸缘的电动机 (IMB3)
Mounting and overall dimensions

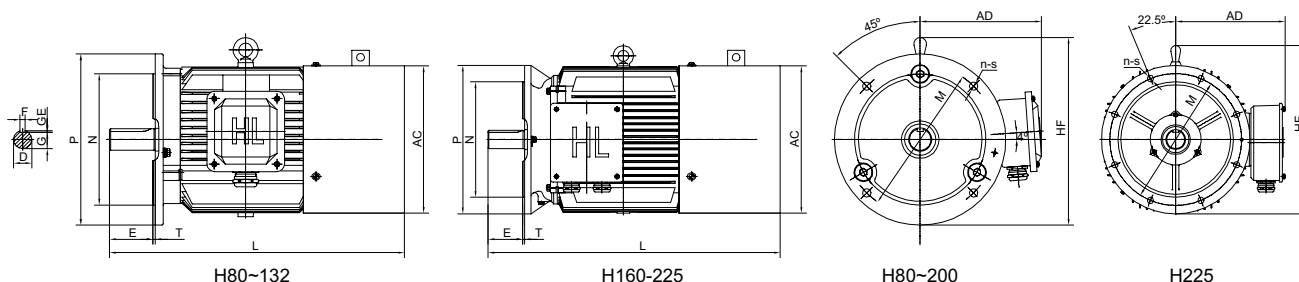


机座号	安装尺寸 Mounting dimension								外形尺寸 Overall dimension					
Frame no	A	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L
80M	125	100	50	19	40	6	15.5	80	10	165	165	145	220	370
90S	140	100	56	24	50	8	20	90	10	180	195	155	250	400
90L	140	125	56	24	50	8	20	90	10	180	195	155	250	430
100L	160	140	63	28	60	8	24	100	12	205	215	180	270	465
112M	190	140	70	28	60	10	24	112	12	230	240	190	300	490
132S	216	140	89	38	80	10	33	132	12	270	275	210	345	530
132M	216	178	89	38	80	10	33	132	12	270	275	210	345	575
160M	254	210	108	42	110	12	37	160	15	320	330	255	420	660
160L	254	254	108	42	110	12	37	160	15	320	330	255	420	715
180M	279	241	121	48	110	14	42.5	180	15	355	380	280	455	810
180L	279	279	121	48	110	14	42.5	180	15	355	380	280	455	850
200L	318	305	133	55	110	16	49	200	19	395	420	305	505	890
225S	356	286	149	60	140	18	53	225	19	435	470	335	560	930
225M	356	311	149	60	140	18	53	225	19	435	470	335	560	970
250M	406	349	168	65	140	18	58	250	24	490	510	370	615	1050
280S	457	368	190	75	140	20	67.5	280	24	550	580	410	680	1100
280M	457	419	190	75	140	20	71	280	24	550	580	410	680	1180
315S	508	406	216	80	170	22	71	315	28	635	645	530	845	1330
315M	508	457	216	80	170	22	71	315	28	635	645	530	845	1390
315L	508	508	216	80	170	22	71	315	28	635	645	530	845	1480
355M	610	560	254	95	170	25	86	355	28	730	730	655	1100	1750
355L	610	630	254	95	170	25	86	355	28	730	730	655	1100	1800

安装及外形尺寸

Mounting and overall dimensions

机座不带底脚，端盖上有凸缘的电动机（IMB5）
Frame without foot, end cover with flange motor

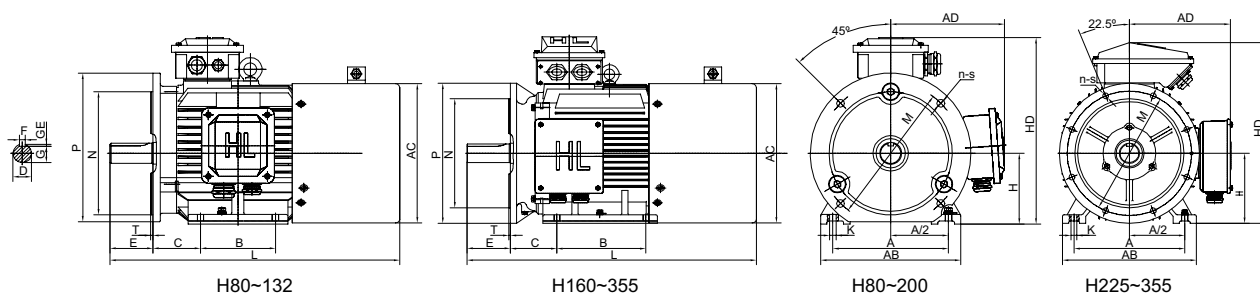


机座号	安装尺寸 Mounting dimension										外形尺寸 Overall dimension			
Frame no	D	E	F	G	M	N	P	S	T	n	AC	AD	HF	L
80M	19	40	6	15.5	165	130	200	12	3.5	4	175	145	185	370
90S	24	50	8	20	165	130	200	12	3.5	4	195	155	195	400
90L	24	50	8	20	165	130	200	12	3.5	4	195	155	195	430
100L	28	60	8	24	215	180	250	15	4.0	4	215	180	245	465
112M	28	60	8	24	215	180	250	15	4.0	4	240	190	265	490
132S	38	80	10	33	265	230	300	15	4.0	4	275	210	315	530
132M	38	80	10	33	265	230	300	15	4.0	4	275	210	315	575
160M	42	110	12	37	300	250	350	19	5.0	4	330	255	385	660
160L	42	110	12	37	300	250	350	19	5.0	4	330	255	385	715
180M	48	110	14	42.5	300	250	350	19	5.0	4	380	280	430	810
180L	48	110	14	42.5	300	250	350	19	5.0	4	380	280	430	850
200L	55	110	16	49	350	300	400	19	5.0	4	420	305	480	890
225S	60	140	18	53	400	350	450	19	5.0	8	470	335	535	930
225M	60	140	18	53	400	350	450	19	5.0	8	470	335	535	970

安装及外形尺寸

Mounting and overall dimensions

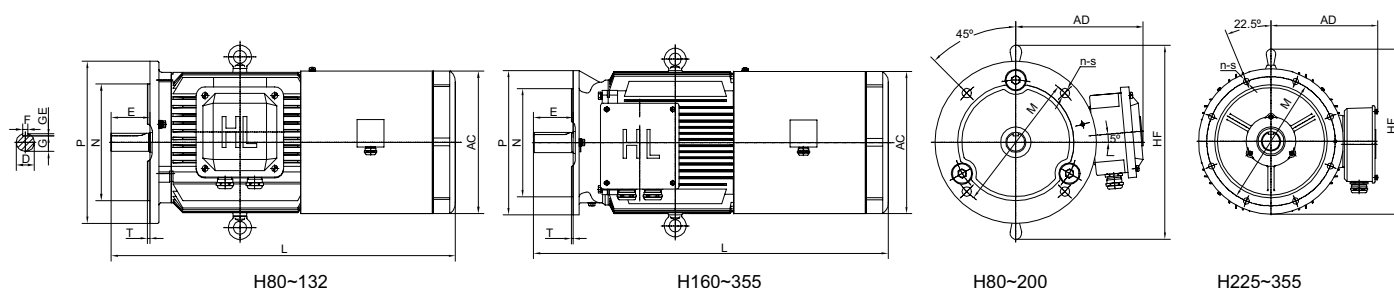
机座不带底脚，端盖上有凸缘的电动机 (IMB35)
Frame without foot, end cover with flange motor



机座号	安装尺寸 Mounting dimension															外形尺寸 Overall dimension				
Frame no	A	B	C	D	E	F	G	H	K	M	N	P	S	T	n	AB	AC	AD	HD	L
80M	125	100	50	19	40	6	15.5	80	10	165	130	200	12	3.5	4	165	175	145	220	370
90S	140	100	56	24	50	8	20	90	10	165	130	200	12	3.5	4	180	195	155	250	400
90L	140	125	56	24	50	8	20	90	10	165	130	200	12	3.5	4	180	195	155	250	430
100L	160	140	63	28	60	8	24	100	12	215	180	250	15	4.0	4	205	215	180	270	465
112M	190	140	70	28	60	8	24	112	12	215	180	250	15	4.0	4	230	240	190	300	490
132S	216	140	89	38	80	10	33	132	12	265	230	300	15	4.0	4	270	275	210	345	530
132M	216	178	89	38	80	10	33	132	12	265	230	300	15	4.0	4	270	275	210	345	575
160M	254	210	108	42	110	12	37	160	15	300	250	350	19	5.0	4	330	330	255	420	660
160L	254	254	108	42	110	12	37	160	15	300	250	350	19	5.0	4	330	330	255	420	715
180M	279	241	121	48	110	14	42.5	180	15	300	250	350	19	5.0	4	355	380	280	455	810
180L	279	279	121	48	110	14	42.5	180	15	300	250	350	19	5.0	4	355	380	280	455	850
200L	318	305	133	55	110	16	49	200	19	350	300	400	19	5.0	4	395	420	305	505	890
225S	356	286	149	60	140	18	53	225	19	400	350	450	19	5.0	8	435	470	335	560	930
225M	356	311	149	60	140	18	53	225	19	400	350	450	19	5.0	8	435	470	335	560	970
250M	406	349	168	65	140	18	58	250	24	500	450	550	19	5.0	8	490	510	370	615	1050
280S	457	368	190	75	140	20	67.5	280	24	500	450	550	19	5.0	8	550	580	410	680	1100
280M	457	419	190	75	140	20	67.5	280	24	500	450	550	19	5.0	8	550	580	410	680	1180
315S	508	406	216	80	170	22	71	315	28	600	550	660	24	6.0	8	635	645	530	845	1330
315M	508	457	216	80	170	22	71	315	28	600	550	660	24	6.0	8	635	645	530	845	1390
315L	508	508	216	80	170	22	71	315	28	600	550	660	24	6.0	8	635	645	530	845	1480
355M	610	560	254	95	170	25	86	355	28	740	680	800	24	6.0	8	730	710	655	1100	1750
355L	610	630	254	95	170	25	86	355	28	740	680	800	24	6.0	8	730	710	655	1100	1800

安装及外形尺寸

立式安装、机座不带底脚、端盖上有凸缘的电动机（带通孔）的电动机（IMV1）
Vertical mounting, frame without foot, end cover with flange motor



机座号	安装尺寸 Mounting dimension										外形尺寸 Overall dimension			
Frame no	D	E	F	G	M	N	P	S	T	n	AC	AD	HF	L
80	19	40	6	15.5	165	130	200	12	3.5	4	165	175	260	370
90S	24	50	8	20	165	130	200	12	3.5	4	180	180	270	400
90L	24	50	8	20	165	130	200	12	3.5	4	180	180	270	430
100L	28	60	8	24	215	180	250	15	4.0	4	205	195	300	465
112M	28	60	8	24	215	180	250	15	4.0	4	230	205	320	490
132S	38	80	10	33	265	230	300	15	4.0	4	270	265	380	530
132M	38	80	10	33	265	230	300	15	4.0	4	270	265	380	575
160M	38	110	12	37	300	250	350	19	5.0	4	325	270	450	660
160L	38	110	12	37	300	250	350	19	5.0	4	325	270	450	715
180M	48	110	14	42.5	300	250	350	19	5.0	4	380	280	500	788
180L	48	110	14	42.5	300	250	350	19	5.0	4	380	280	500	820
200L	55	110	16	49	350	300	400	19	5.0	4	420	305	550	960
225S	60	140	18	53	400	350	450	19	5.0	8	470	335	610	1020
225M	60	140	18	53	400	350	450	19	5.0	8	470	335	610	1060
250M	65	140	18	58	500	450	550	19	5.0	8	510	370	650	1160
280S	75	140	20	67.5	500	450	550	19	5.0	8	580	410	720	1220
280M	75	140	20	67.5	500	450	550	19	5.0	8	580	410	720	1300
315S	80	170	22	71	600	550	660	24	6.0	8	645	530	900	1530
315M	80	170	22	71	600	550	660	24	6.0	8	645	530	900	1520
315L	80	170	22	71	600	550	660	24	6.0	8	645	530	900	1610
355M	95	170	25	86	740	680	800	24	6.0	8	710	655	1100	1890
355L	95	170	25	86	740	680	800	24	6.0	8	710	655	1100	1940

注：本产品样本中，所有产品数据参数及图样仅供参考。

Note: In the product sample, all products data, parameters and drawings are just for reference.



YB2-H 系列船用隔爆型三相异步电动机

YB2-H Series Marine Flameproof Three-phase Induction Motor

YB2-H 系列船用隔爆型三相异步电动机为全封闭，自扇冷式，符合 IEC60079-0《爆炸性气体环境用电气设备 第0部分 通用要求》和 IEC60079-1《爆炸性气体环境用电气设备 第1部分 隔爆型“d”》的规定。防爆标志为 Exd II BT4、Exd II CT4，具有性能好、噪声低、维修方便等优点。

该系列电动机适用于船舶和石油平台上具有 IIA、IIB 级、IIC，温度组别为 T1-T4 组的可燃性气体、蒸汽与空气形成的爆炸性混合物的场所。在船舶上作驱动各种机械，如泵类、通风机、分离器、液压机械及其它辅助设备之用。

The motors are totally-enclosed, fan-cooled type and meeting with IEC60079-0 <Electrical apparatus for explosive gas atmosphere-Part 0: General requirements> and IEC60079-1 <Electrical apparatus for explosive gas atmosphere-Part 1: Flameproof enclosure “d” >. The protection type of the motor is Exd II BT4 or Exd II CT4. They have the features of good function, low noise, and convenient maintenance.

The motors can be used to drive various machines, such as pumps, ventilator, separators and hydraulic machines which placed in areas where flameproof grade is II A、II B and IIC, temperature class T1~T4, easy-ignition and explosive gas ,steam and air mixtures.



标准和认证 Standard and certification

电动机也符合以下标准和规范的有关要求

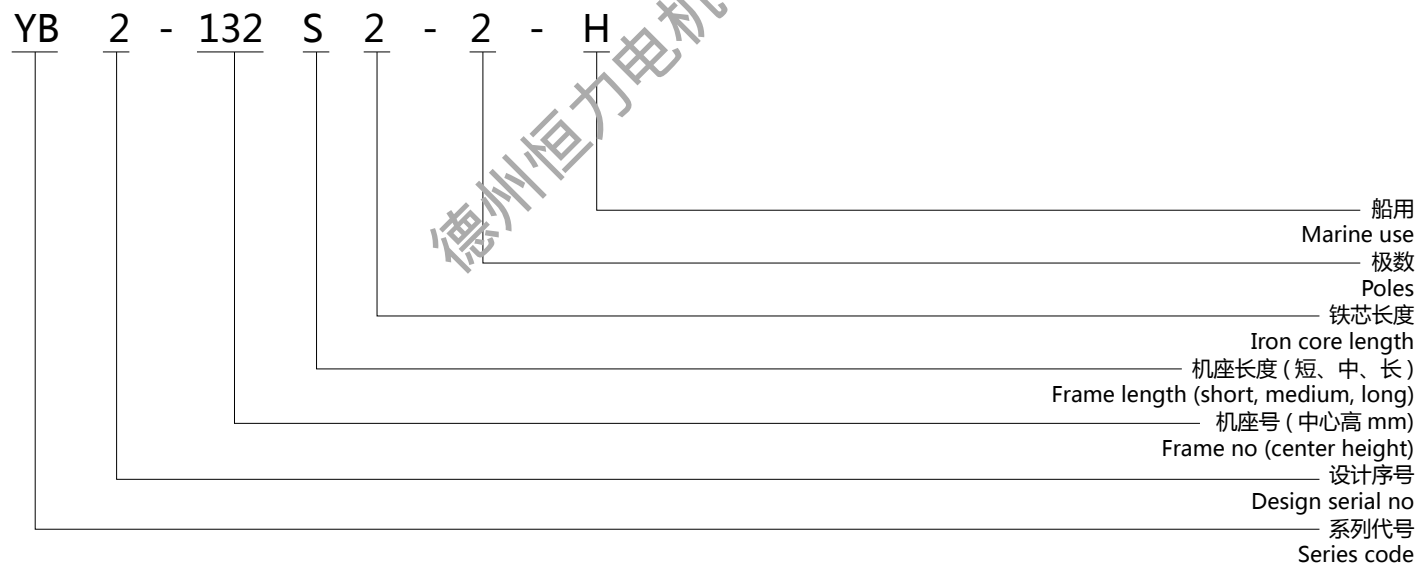
The motors also comply with the relevant requirements of the following standards and specifications

IEC60034	旋转电机 Rotating electrical machines
IEC60068	环境试验 Environmental testing
IEC60072	旋转电机的尺寸及功率等级 Dimensions and output ratings for rotating electrical machines
IEC60092	船用电器设备 Marine electric apparatus

型号命名 Type name

电动机的型号由字母和数字组成。

The type consists of several letters and digits.





电气特性

Electrical characteristics

工作条件 Operating Conditions

环境空气温度 Ambient temperature	-20°C ~ +45°C
海拔 Altitude	0m
空气相对湿度 Relative humidity	≤ 95%
凝露 Dew	有 exists
盐雾 Salt mist	有 exists
油雾 Oil mist	有 exists
霉菌 Fungus	有 exists
冲击 Shock	有 exists
振动 Vibration	有 exists
倾斜摇摆 Inclination and Swing	±22.5°
额定电压 Rated voltage	380V 或 (or) 440V。
额定频率 Rated frequency	50Hz 或 (or) 60Hz。
接法方法 Connection	≤ 3kW 为 Y, 其他为 Δ 3KW is Y, the others are Δ
工作方式为连续工作制 Duty	S1
绝缘等级 Insulation class	F 级
绕组温升 (电阻法) Winding temperature rise (Resistance method)	为 80K, 轴承允许温度 (温度计法) 为 90°C 80K, bearing allowance temperature (thermometer method) is 90°C

安装结构型式 Mounting Arrangements

电动机各机座号所具有的安装结构型式如表 1 所示。
All mounting arrangements of every type is show in Table 1.

表 Table 1

机座号 Frame	安装结构型式 (IM) Mounting type
80 ~ 160	B3, B5, B6, B7, B8, B35, V1, V3, V5, V6, V15, V36
180~225	B3, B5, B35, V1
250 ~ 355	B3, B35, V1

主要技术数据

Main technical data

型号 Type	功率 Power (kW)	电流 Current (A)		型号 Type	功率 Power (kW)	电流 Current (A)	
		380V 50Hz	440V 60Hz			380V 50Hz	440V 60Hz
YB2-80M1-2-H	0.75	1.8	1.6	YB2-315L2-4-H	200	361.3	318.9
YB2-80M2-2-H	1.1	2.6	2.2	YB2-355M-4-H	250	464	410
YB2-90S-2-H	1.5	3.5	3.1	YB2-355L-4-H	315	582	514.0
YB2-90L-2-H	2.2	4.9	4.3	YB2-90S-6-H	0.75	2.2	2.0
YB2-100L-2-H	3	6.2	5.4	YB2-90L-6-H	1.1	3.2	2.9
YB2-112M-2-H	4	8.2	7.2	YB2-100L-6-H	1.5	4.0	3.5
YB2-132S1-2-H	5.5	11	9.6	YB2-112M-6-H	2.2	5.8	5.2
YB2-132S2-2-H	7.5	14.6	12.9	YB2-132S-6-H	3	7.2	6.4
YB2-160M1-2-H	11	21.6	18.7	YB2-132M1-6-H	4	9.5	8.2
YB2-160M2-2-H	15	28.9	25.1	YB2-132M2-6-H	5.5	12.5	10.7
YB2-160L-2-H	18.5	35.7	30.3	YB2-160M-6-H	7.5	17.1	14.8
YB2-180M-2-H	22	42.2	36.9	YB2-160L-6-H	11	25.0	21.7
YB2-200L1-2-H	30	57.9	50.3	YB2-180L-6-H	15	33.0	29.3
YB2-200L2-2-H	37	69.4	60.3	YB2-200L1-6-H	18.5	37.6	32.7
YB2-225M-2-H	45	85.9	76.3	YB2-200L2-6-H	22	44.7	38.9
YB2-250M-2-H	55	103.2	91.7	YB2-225M-6-H	30	61.1	53.1



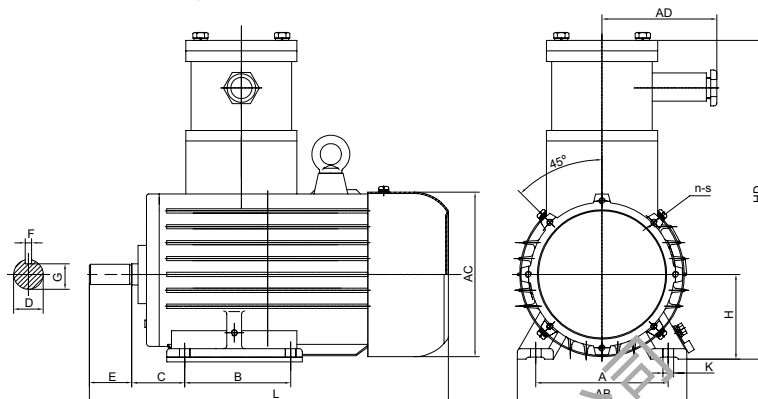
主要技术数据 Main technical data

型号 Type	功率 Power (kW)	电流 Current (A)		型号 Type	功率 Power (kW)	电流 Current (A)	
		380V	440V			380V	440V
		50Hz	60Hz			50Hz	60Hz
YB2-280S-2-H	75	139.2	120.9	YB2-250M-6-H	37	71.0	61.3
YB2-80M-2-H	90	167.1	143.5	YB2-280S-6-H	45	86.4	74.6
YB2-315S-2-H	110	203.0	180.2	YB2-280M-6-H	55	103.2	89.7
YB2-315M-2-H	132	242.3	215.1	YB2-315S-6-H	75	141.1	123.9
YB2-315L1-2-H	160	292.1	259.3	YB2-315M-6-H	90	168.6	148.1
YB2-315L2-2-H	200	365.1	324.1	YB2-315L1-6-H	110	205.4	180.4
YB2-355M-2-H	250	451	401	YB2-315L2-6-H	132	245.7	215.8
YB2-355L-2-H	315	566	502	YB2-355M1-6-H	160	302.0	265.3
YB2-80M1-4-H	0.55	1.5	1.4	YB2-355M2-6-H	200	377	331
YB2-80M2-4-H	0.75	2.1	1.8	YB2-355L-6-H	250	469	412
YB2-90S-4-H	1.1	2.7	2.4	YB2-132S-8-H	2.2	5.8	5.2
YB2-90L-4-H	1.5	3.6	3.2	YB2-132M1-8-H	3	7.6	6.8
YB2-100L1-4-H	2.2	5.0	4.5	YB2-160M1-8-H	4	10.5	9.1
YB2-100L2-4-H	3	6.8	5.9	YB2-160M2-8-H	5.5	13.4	11.5
YB2-112M-4-H	4	8.9	7.7	YB2-160L-8-H	7.5	17.7	15.5
YB2-132S-4-H	5.5	11.7	10	YB2-180L-8-H	11	25.6	22.2
YB2-132M-4-H	7.5	15.4	13.2	YB2-200L-8-H	15	33.3	29.2
YB2-160M-4-H	11	22.6	19.5	YB2-225S-8-H	18.5	40.3	35.6
YB2-160L-4-H	15	30.5	26.3	YB2-225M-8-H	22	47.4	41.7
YB2-180M-4-H	18.5	35.9	30.8	YB2-250M-8-H	30	64.7	57.1
YB2-180L-4-H	22	42.2	36.9	YB2-280S-8-H	37	79.8	68.9
YB2-200L-4-H	30	57.3	49.8	YB2-280M-8-H	45	94.8	80.8
YB2-225S-4-H	37	70.2	60.3	YB2-315S-8-H	55	113.5	98.59
YB2-225M-4-H	45	84.0	73.4	YB2-315M-8-H	75	152.1	132.0
YB2-250M-4-H	55	103.8	88.7	YB2-315L1-8-H	90	179.3	155.6
YB2-280S-4-H	75	139.2	120	YB2-315L2-8-H	110	218.4	189.6
YB2-280S-4-H	90	164.3	141.9	YB2-355M1-8-H	132	265	230
YB2-315S-4-H	110	200.8	177.3	YB2-355M2-8-H	160	320	278
YB2-315M-4-H	132	239.7	211.6	YB2-355L-8-H	200	399	347
YB2-315L1-4-H	160	289.0	255.1				

安装及外形尺寸

Mounting and overall dimension

B3 机座带底脚、端盖无凸缘
Frame with foot, end cover without flange



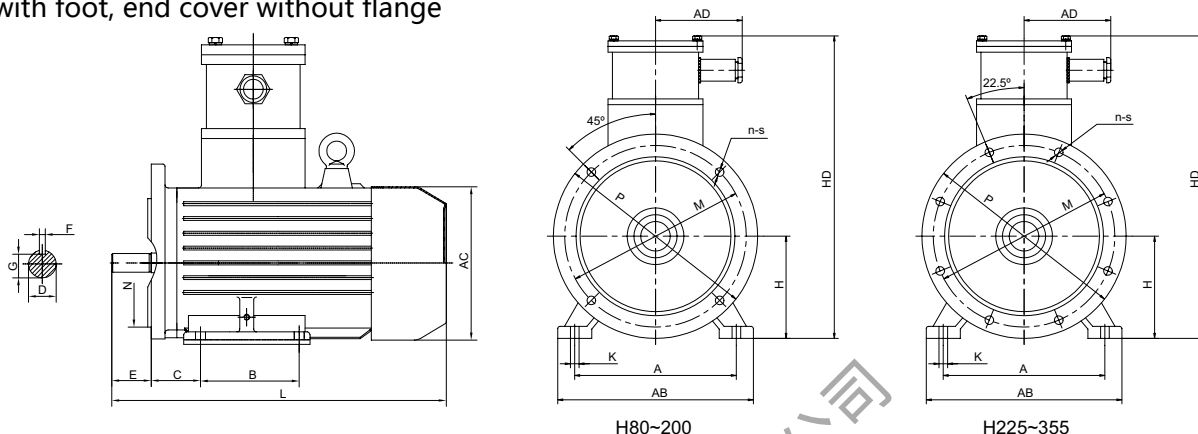
机座号 Frame	极数 Pole	A	AB	AC	AD	B	C	H	HD	L	K	轴承 Bearing		轴伸 Shaft extension			
												前 Front	后 Rear	D	E	F	G
80M	2、4、6	125	165	175	160	100	50	80	340	360	10	6204-2RS	6204-2RS	19	40	6	15.5
90S	2、4、6	140	180	180	160	100	56	90	350	390	10	6205-2RS	6205-2RS	24	50	8	20
90L	2、4、6	140	180	180	160	125	56	90	350	440	10	6205-2RS	6205-2RS	24	50	8	20
100L	2、4、6	160	205	205	160	140	63	100	400	470	12	6206-2RS	6206-2RS	28	60	8	24
112M	2、4、6	190	245	230	160	140	70	132	420	470	12	6306-2RS	6306-2RS	28	60	8	24
132S	2、4、6、8	216	280	280	200	140	89	132	450	590	12	6308-2RS	6308-2RS	38	80	10	33
132M	2、4、6、8	216	280	280	200	178	89	132	450	590	12	6308-2RS	6308-2RS	38	80	10	33
160M	2、4、6、8	254	330	325	220	210	108	160	560	680	15	6309-2RS	6309-2RS	42	110	12	37
160L	2、4、6、8	254	330	325	220	254	108	160	560	720	15	6309-2RS	6309-2RS	42	110	12	37
180M	2、4、6、8	279	355	360	220	241	121	180	580	830	15	6311-2RS	6311-2RS	48	110	14	42.5
180L	2、4、6、8	279	355	360	220	279	121	180	580	830	15	6311-2RS	6311-2RS	48	110	14	42.5
200L	2、4、6、8	318	395	420	254	305	133	200	650	850	19	6312-2RS	6312-2RS	55	110	16	49
225S	2	356	435	450	250	286	149	225	690	970	19	6313-2RS	6313-2RS	55	110	16	49
	4、6、8	356	435	450	250	286	149	225	690	970	19	6313-2RS	6313-2RS	60	140	18	53
225M	2	356	435	450	250	311	149	225	690	970	19	6313-2RS	6313-2RS	55	110	16	49
	4、6、8	356	435	450	250	311	149	225	690	970	19	6313-2RS	6313-2RS	60	140	18	53
250M	2	406	495	500	300	349	168	250	800	1100	24	6314	6314	60	140	18	53
	4、6、8	406	495	500	300	349	168	250	800	1100	24	6314	6314	65	140	18	58
280S	2	457	550	565	300	368	190	280	860	1140	24	6314	6314	65	140	18	58
	4、6、8	457	550	565	300	368	190	280	860	1140	24	6317	6317	75	140	20	67.5
280M	2	457	550	565	300	419	190	280	860	1190	24	6314	6314	65	140	18	58
	4、6、8	457	550	565	300	419	190	280	860	1190	24	6317	6317	75	140	20	67.5
315S	2	508	640	645	300	406	216	315	1050	1255	28	6317	6317	65	170	18	58
	4、6、8	508	640	645	300	406	216	315	1050	1255	28	6319	6319	80	170	22	71
315M	2	508	640	645	300	457	216	315	1050	1315	28	6317	6317	65	170	18	58
	4、6、8	508	640	645	300	457	216	315	1050	1315	28	6319	6319	80	170	22	71
315L	2	508	640	645	300	508	216	315	1050	1460	28	6317	6317	65	170	18	58
	4、6、8	508	640	645	300	508	216	315	1050	1460	28	6319	6319	80	170	22	71
355M	2	610	740	750	350	560	254	355	1150	1580	28	6319	6319	75	170	20	67.5
	4、6、8	610	740	750	350	560	254	355	1150	1580	28	6322	6322	95	170	25	86
355L	2	610	740	750	350	630	254	355	1150	1620	28	6319	6319	75	170	20	67.5
	4、6、8	610	740	750	350	630	254	355	1150	1620	28	6322	6322	95	170	25	86



安装及外形尺寸

Mounting and overall dimension

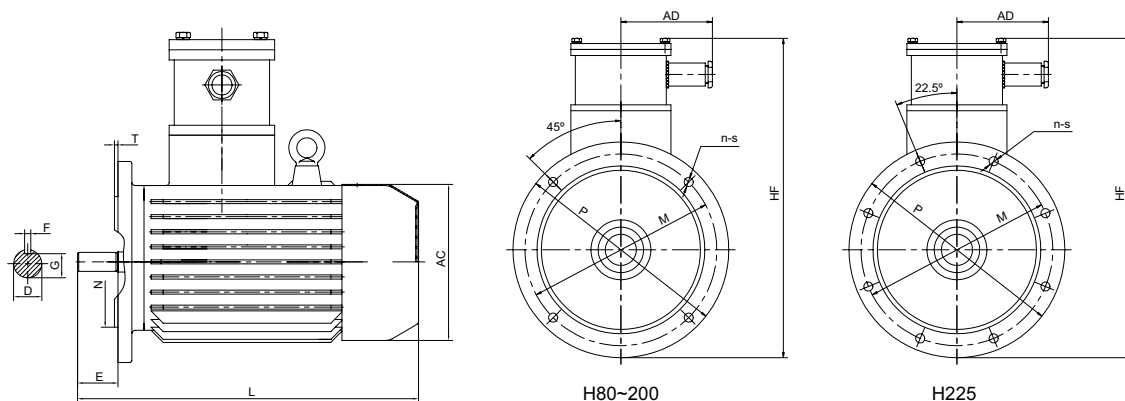
B35 机座带底脚、端盖无凸缘
Frame with foot, end cover without flange



机座号 Frame	极数 Pole	A	AB	AC	AD	B	C	H	HD	L	K	M	N	P	S	T	n	轴承 Bearing		轴伸 Shaft extension			
																		前 Front	后 Rear	D	E	F	G
80M	2、4、6	125	165	175	160	100	50	80	340	360	10	165	130	200	12	3.5	4	6204-2RS	6204-2RS	19	40	6	15.5
90S	2、4、6	140	180	180	160	100	56	90	350	390	10	165	130	200	12	3.5	4	6205-2RS	6205-2RS	24	50	8	20
90L	2、4、6	140	180	180	160	125	56	90	350	440	10	165	130	200	12	3.5	4	6205-2RS	6205-2RS	24	50	8	20
100L	2、4、6	160	205	205	160	140	63	100	400	470	12	225	180	250	15	4	4	6206-2RS	6206-2RS	28	60	8	24
112M	2、4、6	190	245	230	160	140	70	112	420	470	12	215	180	250	15	4	4	6306-2RS	6306-2RS	28	60	8	24
132S	2、4、6、8	216	280	280	200	140	89	132	450	530	12	265	230	300	15	4	4	6308-2RS	6308-2RS	38	80	10	33
132M	2、4、6、8	216	280	280	200	178	89	132	450	590	12	265	230	300	15	4	4	6308-2RS	6308-2RS	38	80	10	33
160M	2、4、6、8	254	330	325	220	210	108	160	560	680	15	300	250	350	19	5	4	6309-2RS	6309-2RS	42	110	12	37
160L	2、4、6、8	254	330	325	220	254	108	160	560	720	15	300	250	350	19	5	4	6309-2RS	6309-2RS	42	110	12	37
180M	2、4、6、8	279	355	360	220	241	121	180	580	830	15	300	250	350	19	5	4	6311-2RS	6311-2RS	48	110	14	42.5
180L	2、4、6、8	279	355	360	220	279	121	180	580	830	15	300	250	350	19	5	4	6311-2RS	6311-2RS	48	110	14	42.5
200L	2、4、6、8	318	395	420	250	305	133	200	650	850	19	350	300	400	19	5	4	6312-2RS	6312-2RS	55	110	16	49
225S	2	356	435	450	250	286	149	225	690	970	19	400	350	450	19	5	8	6313-2RS	6313-2RS	55	110	16	49
	4、6、8	356	435	450	250	286	149	225	690	970	19	400	350	450	19	5	8	6313-2RS	6313-2RS	60	140	18	53
225M	2	356	435	450	250	311	149	225	690	970	19	400	350	450	19	5	8	6313-2RS	6313-2RS	55	110	16	49
	4、6、8	356	435	450	250	311	149	225	690	970	19	400	350	450	19	5	8	6313-2RS	6313-2RS	60	140	18	53
250M	2	406	495	500	300	349	168	250	800	1100	24	500	450	550	19	5	8	6314	6314	60	140	18	53
	4、6、8	406	495	500	300	349	168	250	800	1100	24	500	450	550	19	5	8	6314	6314	65	140	18	58
280S	2	457	550	565	300	368	190	280	860	1140	24	500	450	550	19	5	8	6314	6314	65	140	18	58
	4、6、8	457	550	565	300	368	190	280	860	1140	24	500	450	550	19	5	8	6317	6317	75	140	20	67.5
280M	2	457	550	565	300	419	190	280	860	1190	24	500	450	550	19	5	8	6314	6314	65	140	18	58
	4、6、8	457	550	565	300	419	190	280	860	1190	24	500	450	550	19	5	8	6317	6317	75	140	20	67.5
315S	2	508	640	645	300	406	216	315	1050	1255	28	600	550	660	24	6	8	6317	6317	65	170	18	58
	4、6、8	508	640	645	300	406	216	315	1050	1255	28	600	550	660	24	6	8	6319	6319	80	170	22	71
315M	2	508	640	645	300	457	216	315	1050	1315	28	600	550	660	24	6	8	6317	6317	65	170	18	58
	4、6、8	508	640	645	300	457	216	315	1050	1315	28	600	550	660	24	6	8	6319	6319	80	170	22	71
315L	2	508	640	645	300	508	216	315	1050	1460	28	600	550	660	24	6	8	6317	6317	65	170	18	58
	4、6、8	508	640	645	300	508	216	315	1050	1460	28	600	550	660	24	6	8	6319	6319	80	170	22	71
355M	2	610	740	750	350	560	254	355	1150	1580	28	740	680	800	24	6	8	6319	6319	75	170	20	67.5
	4、6、8	610	740	750	350	560	254	355	1150	1580	28	740	680	800	24	6	8	6322	6322	95	170	25	86
355L	2	610	740	750	350	630	254	355	1150	1620	28	740	680	800	24	6	8	6319	6319	75	170	20	67.5
	4、6、8	610	740	750	350	630	254	355	1150	1620	28	740	680	800	24	6	8	6322	6322	95	170	25	86

安装及外形尺寸

Mounting and overall dimension



机座号 Frame	极数 Pole	AC	AD	L	M	N	P	S	T	n	HF	轴承 Bearing		轴伸 Shaft extension			
												前 Front	后 Rear	D	E	F	G
80M	2、4、6	175	160	400	165	130	200	12	3.5	4	340	6204-2RS	6204-2RS	19	40	6	15.5
90S	2、4、6	180	160	430	165	130	200	12	3.5	4	350	6205-2RS	6205-2RS	24	50	8	20
90L	2、4、6	180	160	470	165	130	200	12	3.5	4	350	6205-2RS	6205-2RS	24	50	8	20
100L	2、4、6	205	160	500	215	180	250	15	4	4	400	6206-2RS	6206-2RS	28	60	8	24
112M	2、4、6	230	160	520	215	180	250	15	4	4	420	6306-2RS	6306-2RS	28	60	8	24
132S	2、4、6、8	280	200	630	265	230	300	15	4	4	450	6308-2RS	6308-2RS	38	80	10	33
132M	2、4、6、8	280	200	630	265	230	300	15	4	4	450	6308-2RS	6308-2RS	38	80	10	33
160M	2、4、6、8	325	220	770	300	250	350	19	5	4	560	6309-2RS	6309-2RS	42	110	12	37
160L	2、4、6、8	325	220	810	300	250	350	19	5	4	560	6309-2RS	6309-2RS	42	110	12	37
180M	2、4、6、8	360	220	860	300	250	350	19	5	4	580	6311-2RS	6311-2RS	48	110	14	42.5
180L	2、4、6、8	360	220	860	300	250	350	19	5	4	580	6311-2RS	6311-2RS	48	110	14	42.5
200L	2、4、6、8	420	250	950	350	300	400	19	5	4	650	6312-2RS	6312-2RS	55	110	16	49
225S	2	450	250	1020	400	350	450	19	5	8	690	6313-2RS	6313-2RS	55	110	16	49
	4、6、8	450	250	1020	400	350	450	19	5	8	690	6313-2RS	6313-2RS	60	140	18	53
225M	2	450	250	1020	400	350	450	19	5	8	690	6313-2RS	6313-2RS	55	110	16	49
	4、6、8	450	250	1020	400	350	450	19	5	8	690	6313-2RS	6313-2RS	60	140	18	53

注：本产品样本中，所有产品数据参数及图样仅供参考。

Note: In the product sample, all products data, parameters and drawings are just for reference.



YBT-H 系列 船用隔爆型通风机用三相异步电动机

YBT-H Series Marine Flameproof Three-phase Induction Motor for Ventilator

YBT-H 系列船用隔爆型通风机用三相异步电动机符合 GB3836.1《爆炸性气体环境用电气设备第 1 部分通用要求》和 GB3836.2《爆炸性气体环境用电气设备 第 2 部分隔爆型“d”》的规定，制成隔爆型系列产品。具有效率高、起动转矩大、隔爆及噪声低等优点。该系列电动机适用于防爆标志为 ExdIIBT4，温度级别为 T1 ~ T4 组的可燃性气体或蒸汽与空气形成的爆炸性混合物的场所，与 CBZ- II 型船用防爆轴流通风机和石油平台配套使用。

该系列产品额定电压为 380V 或 440V，额定频率为 50Hz 或 60Hz，外壳防护等级为 IP56，F 级绝缘，工作制为 S1，功率在 3kW 及以下者为 Y 接法，其他功率为 Δ 接法。

The motors are designed and manufactured according to GB3836.1 <Electric apparatus for explosive gas atmosphere-part 1: general requirement> and GB3836.2 <Electric apparatus for explosive gas atmosphere -part 2: flameproof enclosure “d” >. They have the features of high efficiency, big starting torque, flameproof and low noise. The protection type of the motor is Exd II BT4. They can be used on the places where have easy-ignition gas or explosive mixture of steam and air. This series can be matching with CBZ- II marine flameproof ventilating machine and oil platform.

The rated voltage is 380V or 440V, rated frequency is 50HZ or 60HZ, the protection class is IP56, F insulation, duty is S1. The connection way is Y when the power is 3KW or below, the others are Δ .



电气特性

Electrical characteristics

工作条件 Operating Conditions			
环境空气温度 Ambient temperature	-20°C ~45°C	振动 Vibration	有 exists
纵倾 Trim	10°	海拔 Altitude	0m
盐雾 Salt mist	有 exists	横倾 Heel	15°
空气相对湿度 Relative humidity	≤ 95%	霉菌 Fungus	有 exists
纵摇 Pitching	7.5°	冲击 Shock	有 exists
油雾 Oil mist	有 exists	横摇 Rolling	22.5°

主要技术数据

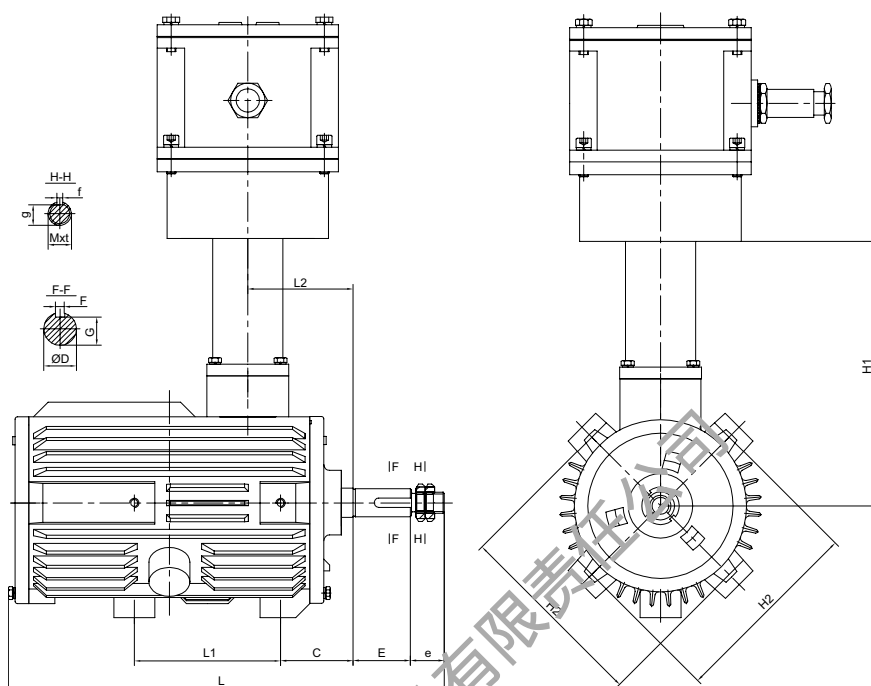
Main technical data

型号 Type	功率 Power (kW)	电流 Power (A)		转速 Speed (r/min)		型号 Type	功率 Power (kW)	电流 Power (A)		转速 Speed (r/min)	
		380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz			380V 50Hz	440V 60Hz	380V 50Hz	440V 60Hz
YBT80M1-2-H	0.75	1.8	1.6	2820	3460	YBT180L-4-H	22.0	42.2	36.9	1470	1770
YBT80M2-2-H	1.1	2.6	2.2	2820	3460	YBT200L-4-H	30.0	57.3	49.8	1476	1779
YBT90S-2-H	1.5	3.5	3.1	2840	3470	YBT225M-4-H	45.0	84.0	73.4	1480	1783
YBT90L-2-H	2.2	4.9	4.3	2840	3470	YBT250M-4-H	55.0	103.8	88.6	1480	1780
YBT100L-2-H	3.0	6.2	5.4	2880	3490	YBT90S-6-H	0.75	2.2	2.0	910	1130
YBT112M-2-H	4.0	8.2	7.1	2890	3500	YBT90L-6-H	1.1	3.2	2.9	910	1130
YBT132S1-2-H	5.5	11.0	9.6	2900	3520	YBT100L-6-H	1.5	4.0	3.5	940	1150
YBT132S2-2-H	7.5	14.6	12.9	2900	3520	YBT112M-6-H	2.2	5.6	4.9	940	1150
YBT160M1-2-H	11.0	21.6	18.7	2930	3540	YBT132S-6-H	3.0	7.2	6.4	960	1170
YBT160M2-2-H	15.0	28.9	25.1	2930	3540	YBT132M1-6-H	4.0	9.5	8.2	960	1170
YBT160L-2-H	18.5	35.7	30.3	2930	3540	YBT132M2-6-H	5.5	12.5	10.7	960	1170
YBT180M-2-H	22.0	42.2	36.9	2940	3550	YBT160M-6-H	7.5	17.1	14.8	970	1170
YBT200L1-2-H	30.0	57.9	50.3	2935	3560	YBT160L-6-H	11.0	25.0	21.7	970	1170
YBT200L2-2-H	37.0	69.4	60.3	2960	3565	YBT180L-6-H	15.0	33.0	29.3	970	1180
YBT225M-2-H	45.0	85.9	76.3	2969	3572	YBT200L1-6-H	18.5	37.6	32.7	980	1183
YBT250M-2-H	55.0	103.2	91.7	2970	3570	YBT200L2-6-H	22.0	44.7	38.9	980	1182
YBT80M1-4-H	0.55	1.5	1.4	1390	1710	YBT225M-6-H	30.0	61.1	53.1	985	1187
YBT80M2-4-H	0.75	2.1	1.8	1390	1710	YBT250M-6-H	37.0	71.0	61.3	980	1180
YBT90S-4-H	1.1	2.7	2.4	1400	1710	YBT132S-8-H	2.2	5.8	5.2	710	860
YBT90L-4-H	1.5	3.6	3.2	1400	1710	YBT132M-8-H	3.0	7.6	6.8	710	860
YBT100L1-4-H	2.2	5.0	4.5	1420	1730	YBT160M1-8-H	4.0	10.5	9.1	720	870
YBT100L2-4-H	3.0	6.8	5.9	1420	1730	YBT160M2-8-H	5.5	13.4	11.5	720	870
YBT112M-4-H	4.0	8.8	7.7	1440	1750	YBT160L-8-H	7.5	17.7	15.5	720	870
YBT132S-4-H	5.5	11.7	10.0	1440	1750	YBT180L-8-H	11.0	25.6	22.2	730	880
YBT132M-4-H	7.5	15.4	13.2	1440	1750	YBT200L-8-H	15.0	33.3	29.2	729	882
YBT160M-4-H	11.0	22.6	19.5	1460	1760	YBT225M-8-H	22.0	47.4	41.7	734	886
YBT160L-4-H	15.0	30.5	26.3	1460	1760	YBT250M-8-H	30.0	64.7	57.1	730	890
YBT180M-4-H	18.5	35.9	30.8	1470	1770						



安装及外形尺寸

Mounting and overall dimensions



机座号	外形及安装尺寸 Overall and mounting dimension																	
Frame	B	C	D	E	F	G	H1	H2	e	L	L1	L2	d	d1	g	f	M×t	M 深 h
801	36	58±2	19	40	6	15.5	176	175	28	330	100	90	60	13.8	12	5	M16×1.5	M8 深 depth 14
802	36	58±2	19	40	6	15.5	201	175	28	330	100	90	60	13.8	12	5	M16×1.5	M8 深 depth 14
90S	36	62±2	24	50	8	20	220	190	28	340	100	90	60	15.8	14	5	M18×1.5	M8 深 depth 14
90L	36	62±2	24	50	8	20	225	190	28	375	125	90	60	15.8	14	5	M18×1.5	M8 深 depth 14
100L1	40	68±2	28	60	8	24	280/330/380	220	28	410	140	93	60	17.8	16	5	M20×1.5	M10 深 depth 17
100L2	40	68±2	28	60	8	24	280/380	220	28	410	140	93	60	17.8	16	5	M20×1.5	M10 深 depth 17
112M	40	76±2	28	60	8	24	280/380/410	245	28	430	140	102	60	17.8	16	5	M20×1.5	M10 深 depth 17
132S1	40	89±2	38	80	10	33	280/435	285	32	450	140	120	60	21.8	20	5	M24×1.5	M10 深 depth 17
132M	40	89±2	38	80	10	33	410/435/485	285	32	495	178	120	60	21.8	20	5	M24×1.5	M10 深 depth 17
160M	46	114±3	42	110	12	37	435/485/535	345	32	596	210	162	60	24.8	23	5	M27×1.5	M14 深 depth 17
160L	46	114±3	42	110	12	37	485/535/585	345	32	646	254	162	60	24.8	23	5	M27×1.5	M14 深 depth 17
180M	54	126±3	48	110	14	42.5	485/585	380	32	702	241	174	60	27.8	26	5	M30×1.5	M14 深 depth 22
180L	54	126±3	48	110	14	42.5	535/585/642	380	32	740	279	174	60	27.8	26	5	M30×1.5	M14 深 depth 22
200L1	60	133±3	55	110	16	49	585/642	430	32	740	305	186	60	30.8	29	6	M33×1.5	M16 深 depth 26
200L2	60	133±3	55	110	16	49	742	430	32	740	305	186	60	30.8	29	6	M33×1.5	M16 深 depth 26
225M	70	149±4	60	140	18	53	642/735/742	480	32	870	311	196	76	33.8	32	6	M36×1.5	M18 深 depth 30
250M	70	168±4	65	140	18	58	740	526	40	1000	340	196	76	38	38	8	M42×1.5	M16 深 depth 24

* 尺寸 H1 可根据用户的要求制造。

注：本产品样本中，所有产品数据参数及图样仅供参考。

Dimension H1 can be manufactured according to the customer's requirements.

Note: In the products sample, all products data, parameters and drawings are just for reference.



YBZa-H 系列

船用起重用隔爆型三相异步电动机

YBZa-H Series Marine Flameproof Three-phase Induction Motor for Hoisting

YBZa-H 系列船用起重用隔爆型三相异步电动机，按 GB3836.1 ~ 2《爆炸性气体环境用电气设备》增加了隔爆性能。适用于船舶和石油平台上Ⅱ B 级，温度级别为 T1-T4 (S2-30min 工作制，防爆标志为 Exd II BT4) 组可燃性气体或蒸气与空气形成的爆炸性混合物场所起重用的电力机械。

The motors increase flameproof performance according to GB3836.1-2 <Electric apparatus for explosive gas atmosphere>. They are used as electric machineries for hoisting on ships and oil platforms where IIB class, temperature class is T1-T4 (S2-30 min duty, flameproof mark is Exd II BT4), easy-ignition gas or explosive mixture of steam and air.



电气特性 Electrical characteristics

电动机应在下列环境条件下正常工作

The motors should work normally under the following environment conditions

凝露 Dew	有 exists	冲击 Shock	有 exists	横摆 Rolling	±22.5°
盐雾 Salt mist	有 exists	振动 Vibration	有 exists	环境温度 Ambient temperature	-25~+45°C
油雾 Oil mist	有 exists	纵倾 Trim	10°	海拔 Altitude	0m
霉菌 Fungus	有 exists	横倾 Heel	15°	相对湿度 Relative humidity	≤ 95%

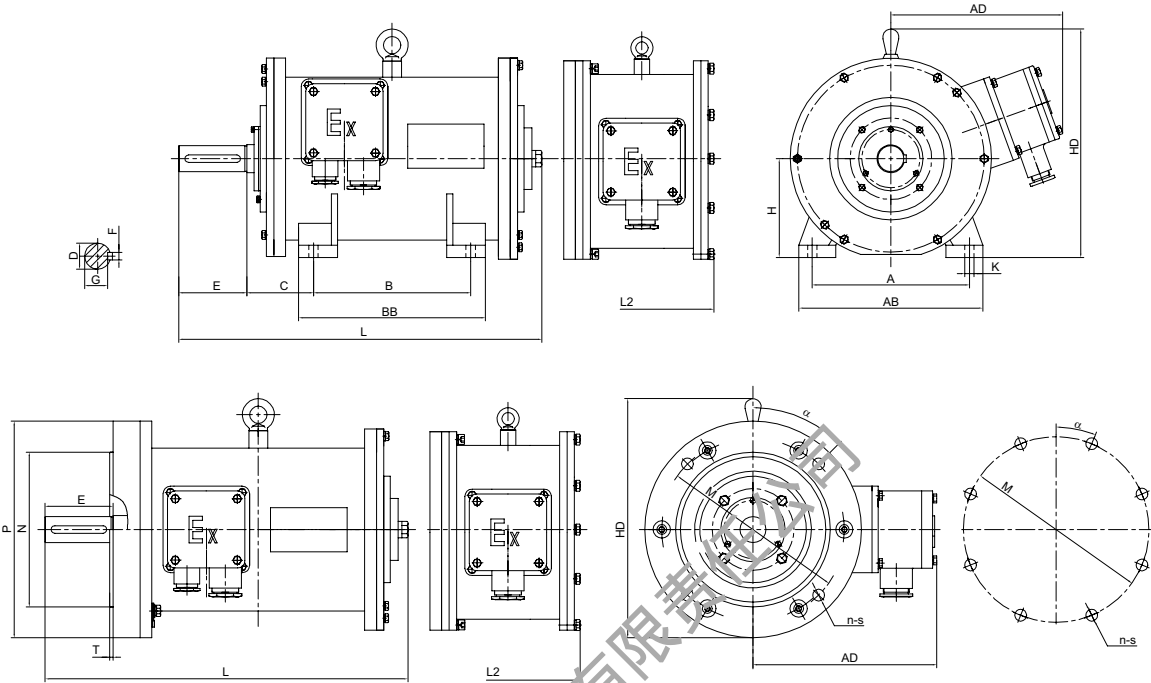
主要技术数据 Main technical data

机座号 Frame no	功率 Power (kW)		电流 Current (A)		转速 Speed (r/min)		工作制 Duty
	380V	440V	380V	440V	380V	440V	
	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	
YBZa112S-4-H	1.5	1.8	4.3	4.5	1360	1660	S2-30min
YBZa112M-4-H	2.2	2.5	6.0	5.92	1360	1660	S2-30min
YBZa112L1-4-H	3.5	3.5	8.3	7.7	1400	1680	S3-25%
YBZa112L2-4-H	3.7	4.0	9.6	8.98	1360	1660	S2-30min
YBZa112S-6-H	1.1	1.2	3.5	3.31	890	1090	S2-30min
YBZa112M-6-H	1.5	1.8	4.65	4.82	890	1090	S2-30min
YBZa112L-6-H	2.2	2.5	6.6	6.51	890	1090	S2-30min
YBZa132M1-4-H	5.5	6.3	13.4	13.3	1356	1670	S2-30min
YBZa132M2-4-H	7.5	8.5	18.5	17.88	1360	1690	S2-30min
YBZa132S1-6-H	3.5	3.5	10	8.7	900	1080	S3-25%
YBZa132S2-6-H	3.7	4.0	10.5	9.85	940	1130	S2-30min
YBZa132M1-6-H	5	5	13.3	11.5	900	1080	S3-25%
YBZa132M2-6-H	5.5	6.3	15.3	15.10	940	1130	S2-30min
YBZa132M1-4/12-H	3/1.1	3.5/1.2	8.3/7.6	8.4/8.6	1360/430	1660/530	S2-30/10min
YBZa132M2-4/12-H	3/1.2	3/1.2	6.8/7.12	5.9/6.15	1350/410	1620/490	S2-30/10min
YBZa132L1-4/12-H	4/1.5	4.5/1.7	10.3/9.1	10/8.9	1400/430	1700/530	S2-30/10min
YBZa132L2-4/12-H	4.3/1.7	4.3/1.7	9.5/10.1	8.2/8.73	1350/410	1620/490	S2-30/10min
YBZa160S-6-H	7.5	8.5	19.73	19.31	940	1140	S2-30min
YBZa160L-6-H	11	13	26.8	27.34	940	1140	S2-30min
YBZa160L1-4/12-H	6/2.5	6/2.5	12.9/11.3	11.2/9.76	1350/390	1620/465	S2-30/10min
YBZa160L2-4/12-H	6.3/2.2	7.5/2.5	15.4/11.9	16.2/11.7	1394/426	1690/530	S2-30/10min
YBZa160L3-4/12-H	8.5/3.5	8.5/3.5	17.9/14.8	15.5/12.8	1370/390	1620/465	S2-30/10min
YBZa160L-4/16-H	8.5/2.4	8.5/2.4	19.2/11.6	16.6/10.1	1370/310	1620/370	S2-30/15min
YBZa180L-6-H	15	18.5	36	38.42	960	1152	S2-30min
YBZa180L-4/12-H	8.5/3.5	10/4.0	19/18	20.5/17.7	1400/438	1690/520	S2-30/10min
YBZa180L-4/16-H	11/3	13/3.5	24/16	26.8/16.7	1424/328	1742/380	S2-30/15min



安装及外形尺寸

Mounting and overall dimensions



机座号 Frame no	凸缘号 Flange no	安装尺寸 Mounting dimension																外形尺寸 Overall dimension					
		A	B	C	D	E	F	G	H	K	M	N	P	S	T	n	α	AB	AC	AD	HD	L	L2
112S	FF265	190	114	70	28	60	8	24	112	12	265	230	300	15	4	4	45°	220	250	247	222	475	630
112M	FF265	190	140	70	28	60	8	24	112	12	265	230	300	15	4	4	45°	220	250	247	222	475	630
112L	FF265	190	159	70	28	60	8	24	112	12	265	230	300	15	4	4	45°	220	250	247	222	475	630
132S	FF265	216	140	89	38	80	10	33	132	12	265	230	300	15	4	4	45°	254	254	270	262	415	650
132M	FF265	216	178	89	38	80	10	33	132	12	265	230	300	15	4	4	45°	254	254	270	262	450	690
160S	FF300	254	178	108	42	110	12	37	160	15	300	250	350	19	5	4	45°	298	320	275	310	535	780
160L	FF300	254	254	108	42	110	12	37	160	15	300	250	350	19	5	4	45°	298	320	275	310	590	780
180L	FF350	279	279	121	48	110	14	42.5	180	15	350	300	400	19	5	4	45°	336	380	310	390	665	845

注：本样本所提供的各项产品的技术参数和外形及安装尺寸仅供参考，如有疑问请与工厂联系，并以定货时所提供的确认资料（确认图）为准。
Note: All technical parameters, overall dimensions and mounting dimensions in the sample are just for reference, if there are any questions, please contact with the factory and take the confirmed drawing as standard in the purchasing order.



JBZ2-H 系列 船用起重用隔爆型三相异步电动机 JBZ2-H Series Marine Flameproof Three-phase Induction Motor for Hoisting

JBZ2-H 系列船用起重用隔爆型三相异步电动机，按 GB3838.1 ~ 2《爆炸性气体环境用电气设备》增加了隔爆性能。适用于船舶和石油平台上Ⅱ B 级，温度级别为 T1-T4 (S2-30min 工作制，防爆标志为 Exd II BT4) 组可燃性气体或蒸气与空气形成的爆炸性混合物场所起重用的电力机械。

The motors increase flameproof performance according to GB3836.1-2 <Electric apparatus for explosive gas atmosphere>. They are used as electric machineries for hoisting on ships and oil platforms where IIB class, temperature class is T1-T4 (S2-30 min duty, flameproof mark is Exd II BT4), easy-ignition gas or explosive mixture of steam and air.



电气特性

Electrical characteristics

电动机应在下列环境条件下正常工作

The motors should work normally under the following environment conditions

凝露 Dew	有 exists	冲击 Shock	有 exists	横摆 Rolling	±22.5°
盐雾 Salt mist	有 exists	振动 Vibration	有 exists	环境温度 Ambient temperature	-25~+45°C
油雾 Oil mist	有 exists	纵倾 Trim	10°	海拔 Altitude	0m
霉菌 Fungus	有 exists	横倾 Heel	15°	相对湿度 Relative humidity	≤ 95%

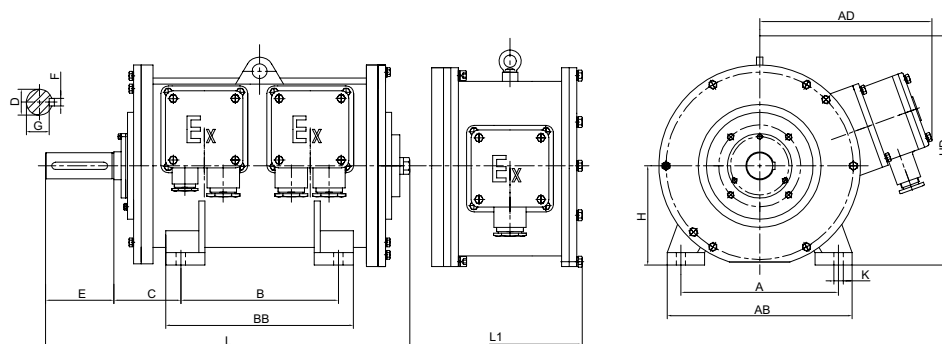
主要技术数据

Main technical data

机座号 Frame no	功率 Power (kW)		电流 Current (A)		转速 Speed (r/min)		工作制 Duty
	380V	440V	380V	440V	380V	440V	
	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	
JBZ2-411-6-H	16	16	35	30.3	900	1080	S3-25%
JBZ2-412-6-H	18.5	22	43.9	45.1	950	1140	S2-30min
JBZ2-41-8-H	11	11	28.9	25	695	830	S3-25%
JBZ2-411-4/16-H	12/3.5	12/3.5	25/18.2	21.6/15.7	1370/320	1640/380	S2-30/15min
JBZ2-412-4/16-H	15/4.0	17/4.5	32.8/24.1	33.2/23.4	1420/340	1740/400	S2-30/15min
JBZ2-421-4/16-H	18/5.0	18/5.0	37/23.8	32/20.6	1370/320	1640/380	S2-30/15min
JBZ2-422-4/16-H	18.5/5.5	22/6.3	40.4/32.6	42.4/32.3	1420/340	1740/410	S2-30/15min
JBZ2-51-16-H	22	25	50.9	50.03	950	1140	S2-30min
JBZ2-411-4/8/16-H	7.5/7.5/5	7.5/7.5/5	16.8/17.8/26	14.5/15.4/22.5	1400/665/300	1680/798/360	S2-10/30/5min
JBZ2-412-4/8/16-H	9/9/4.2	10/10/4.7	21.4/24.7/37.3	20.5/23.7/36.4	1435/684/324	1738/837/406	S2-10/30/5min
JBZ2-421-4/8/16-H	11/11/7.5	11/11/7.5	23/25.5/36	19.9/22.1/31.1	1400/665/300	1680/798/360	S2-10/30/5min
JBZ2-422-4/8/16-H	12.5/12.5/5.7	14/14/6.5	29.3/34.3/49.5	28.4/33.2/49.4	1437/689/330	1733/840/410	S2-10/30/5min
JBZ2-511-4/8/16-H	16/16/11	16/16/11	33/35.2/49	28.5/30.4/42.3	1400/665/300	1680/798/360	S2-10/30/5min
JBZ2-512-4/8/16-H	16.8/16.8/8	19/19/9.1	38.9/46.2/67.6	38.0/45.0/67.9	1421/683/333	1723/835/413	S2-10/30/5min
JBZ2-521-4/8/16-H	22/22/16	22/22/16	43.7/47.8/71	37.8/41.3/61.3	1400/665/300	1680/798/360	S2-10/30/5min
JBZ2-522-4/8/16-H	22.5/22.5/10.6	25/25/12	51.5/60.3/85.6	49.4/57.9/86.3	1422/686/334	1725/838/400	S2-10/30/5min
JBZ2-611-4/8/16-H	30/30/14.5	33.5/33.5/16	63.8/71.3/105.5	61.6/68.7/103.5	1410/680/336	1713/832/415	S2-10/30/5min
JBZ2-612-4/8/16-H	42/42/20	46/46/22	86.3/95/112.6	81.6/89.8/110	1410/676/334	1707/830/414	S2-10/30/5min
JBZ2-62-4/8/16-H	30/30/22	30/30/22	60.5/69.5/96	52.3/60.1/83	1420/670/300	1700/800/360	S2-10/30/5min
JBZ2-711-4/8/16-H	45/45/30	45/45/30	88.5/100/142	76.5/86.4/122.7	1420/680/320	1700/810/380	S2-10/30/5min
JBZ2-712-4/8/16-H	56/56/27	63/63/30	114/120.6/147.5	111.2/117.2/145	1415/694/345	1717/844/423	S2-10/30/5min
JBZ2-721-4/8/16-H	60/60/45	60/60/45	114/135/195	98.5/116.6/168.5	1420/720/330	1700/860/390	S2-10/30/5min
JBZ2-722-4/8/16-H	75/75/36	84/84/40	154/161.5/182	149/156.2/179.5	1427/692/345	1729/843/423	S2-10/30/5min

安装及外形尺寸

Mounting and overall dimensions



机座号	安装尺寸 Mounting dimension									外形尺寸 Overall dimension					
Frame no	A	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L	L1
JBZ2-41-H	320	305	120	50	110	16	43.5	200	26	350	396	400	455	720	880
JBZ2-42-H	320	380	120	50	110	16	43.5	200	26	380	396	400	455	795	955
JBZ2-51-H	360	360	140	60	140	18	52.9	225	26	430	445	450	500	905	1070
JBZ2-52-H	360	460	140	60	140	18	52.9	225	26	430	445	450	500	985	1150
JBZ2-61-H	420	440	200	60	150	18	53	250	32	510	520	450	550	1000	1250
JBZ2-71-H	480	660	190	90	170	25	-	280	32	560	590	480	600	1300	1580
JBZ2-72-H	480	510	190	90	170	25	-	280	32	560	590	480	600	1090	1370

注：本产品样本中，所有产品数据参数及图样仅供参考。

Note: In the products sample, all products data, parameters and drawings are just for reference.



YCTJ-H

侧向推进器三相异步电动机

**YCTJ-H Series Marine Three-phase Induction Motor
for Side Thruster**

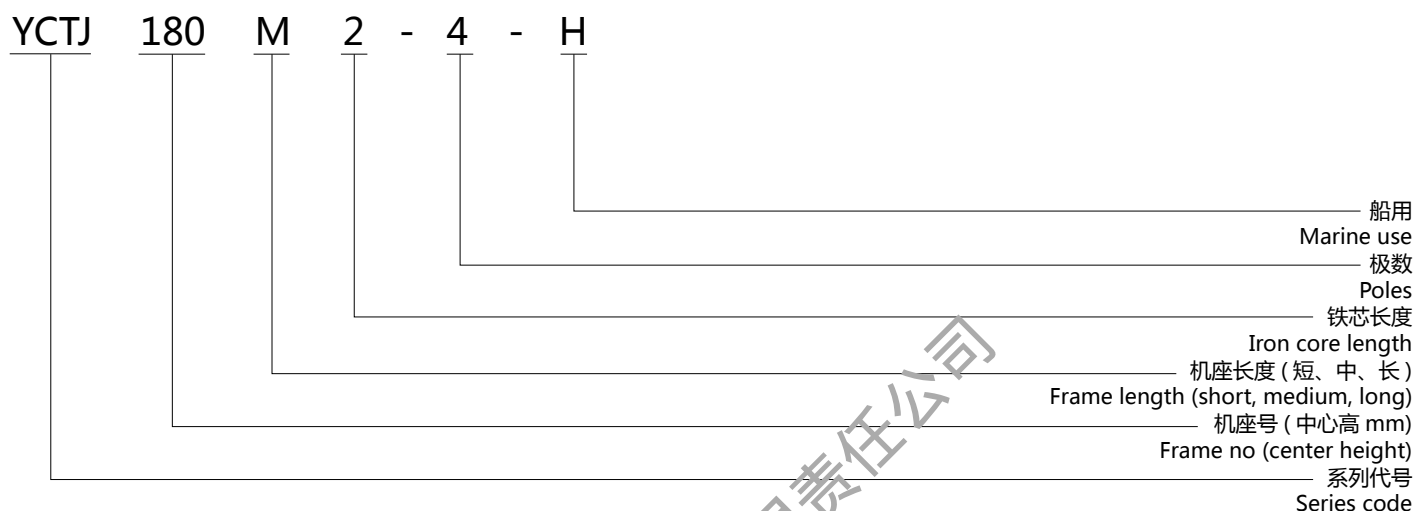
YCTJ-H 系列电动机为全封闭、自扇冷式、三相笼型异步电动机是我公司为舰船、民船配套和研制的新型三相异步电动机,该系列电动机作为舰、船体侧向推进的动力源,具有起动电流小、起动转矩高等特点,其各项性能指标优于同等规格船用电动机。该系列电动机外形、安装尺寸符合国家有关规定的要求。

The motors are totally enclosed, fan-cooled three phase squirrel cage type. They are our new research three phase induction motors which designed as equipped devices of ships and warships. The motors work as single side power supply for warships and ships. They have the advantages of small starting current and high starting torque. Every performance is better than any other motors with same specifications. The motors' overall and mounting dimensions are meeting with requirements of national relative standards.



型号命名 Type name

电动机的型号由字母和数字组成。
The type consists of several letters and digits.



电气特性 Electrical characteristics

工作条件

Operating Conditions

环境空气温度 Temperature of Ambient air	0°C ~45°C
海拔 Altitude	0M
空气相对湿度 Relative humidity	95%
凝露 Dew	有 exists
盐雾 Salt mist	有 exists
霉菌 Fungus	有 exists
冲击 Shock	有 exists
振动 Vibration	有 exists
倾斜摇摆 Inclination and Swing	±22.5°
额定频率和电压 Rated frequency and voltage	50Hz、380V 或 60Hz、440V 或 50Hz、690V
接线方法 Connection	Δ(Y)
工作方式 Duty	连续工作制 (S1) 或 S2-30 工作制
绝缘等级 Insulation class	B 级或 F 级
绕组温升 (电阻法) Winding temperature rise (Resistance method)	75K 或 100K
轴承允许温度 (温度计法) Bearing allowance temperature (thermometer method)	90°C
起动方式 Starting method	采用满压直接起动, 在空载时, 允许采用降压起动 Direct on full-voltage starting for all sizes, reducing voltage starting allowable at no-load or light load



机械特性

Mechanical characteristics

振动、噪声 Vibration, noise

电动机在空载时测的的振动烈度（有效值）不超过表 2 的数值。
The effective values of vibration velocity that measured at the no-load conditions do not exceed the values given in table 2.

表 Table 2

机座号 Frame	振动烈度有效值 Effective values of vibration velocity (mm/s)
160~225	2.8
250~355	3.5
400 及以上	4.5

电动机在空载运转时的噪声如表 3 所示。
The noise in no load running is show in Table 3.

表 Table 3

功率 Power (kW)	同步转速 Synchronous speed (r/min)						功率 Power (kW)	同步转速 Synchronous speed (r/min)					
	3600	3000	1500、1800	1000、1200	750、900	600、720		3600	3000	1500、1800	1000、1200	750、900	600、720
	声功率级 Acoustic power level dB (A)							声功率级 Acoustic power level dB (A)					
4	-	-	-	-	69	-	90	99	99	92	90	87	92
5.5	-	-	-	-	69	-	110	104	104	98	92	87	92
7.5	-	-	-	75	72	-	132	105	104	101	92	99	92
11	87	87	82	75	72	-	160	105	104	101	102	99	97
15	87	87	82	78	75	-	200	105	104	101	102	99	97
18.5	87	87	82	78	75	-	250	113	111	108	105	101	99
22	92	92	82	78	78	-	315	113	111	108	108	105	101
30	95	95	84	81	78	-	355	115	113	111	111	105	101
37	95	95	84	81	78	-	400	115	113	111	111	108	-
45	97	97	84	84	78	87	450	116	113	111	111	-	-
55	97	97	86	84	81	87	500	118	116	115	111	-	-
75	99	99	92	90	87	87	560~1250	118	116	115	115	-	-



主要技术数据 Main technical data

电动机的机座号与功率的对应关系防护等级为 IP23 的应符合表 4 规定, 防护等级为 IP44 的应符合表 5 规定。
The corresponding relations between frame and power and protection class is IP23 should meet with Table 4 requirement. The protection class is IP44 should meet the Table 5 requirement.

表 Table 4

机座号 Frame no	极数 Pole				
	2	4	6	8	10
功率 Power (kW)					
160M	15	11	7.5	5.5	-
160L1	18.5	15	11	7.5	-
160L2	22	18.5	-	-	-
180M	30	22	15	11	-
180L	37	30	18.5	15	-
200M	45	37	22	18.5	-
200L	55	45	30	22	-
225S	75	55	37	30	-
225M	90	75	45	37	-
250M	110	90	55	45	-
280S	-	110	75	55	-
280M	132	132	90	75	-
315S	160	160	110	90	55
315M	200	200	132	110	75
315L	250	250	160	132	90
355M	315	315	200	160	110
355L	355	355	250	200	132
400M1	400	400	315	250	160
400M2	450	450	355	250	200
400L1	500	500	400	315	250
400L2	560	560	450	355	315



主要技术数据

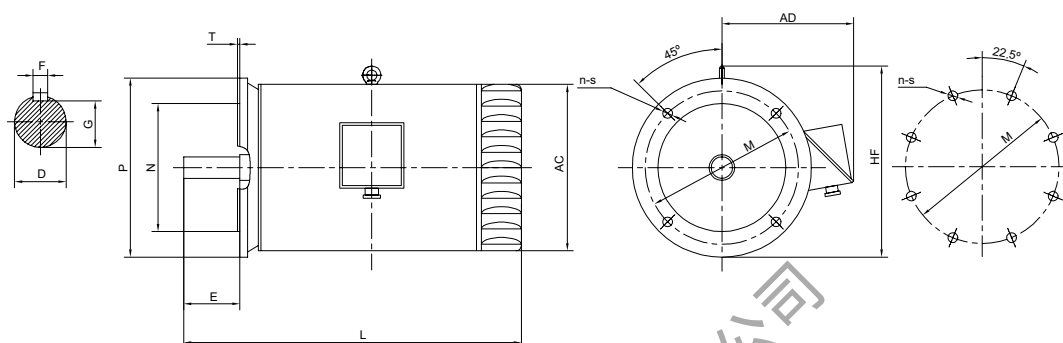
Main technical data

表 Table 5

机座号 Frame no	极数 Pole				
	2	4	6	8	10
	功率 Power (kW)				
160M1	11	11	7.5	4	-
160M2	15	11	7.5	5.5	-
160L	18.5	15	11	7.5	-
180M	22	18.5	-	-	-
180L	-	22	15	11	-
200L1	30	30	18.5	15	-
200L2	37	30	22	15	-
225S	-	37	-	18.5	-
225M	45	45	30	22	-
250M	55	55	37	30	-
280S	75	75	45	37	-
280M	90	90	55	45	-
315S	110	110	75	55	45
315M	132	132	90	75	55
315L1	160	160	110	90	75
315L2	200	200	132	110	90
355M1	250	250	160	132	110
355M2	250	250	200	160	132
355L	315	315	250	200	160
4001	-	400	315	-	-
4002	-	450	355	-	-
4003	-	500	400	-	-
4004	-	560	450	-	-
4005	-	630	500	-	-
4501	-	630	500	-	-
4502	-	710	560	-	-
4503	-	800	630	-	-
4504	-	900	710	-	-
5001	-	900	800	-	-
5002	-	1000	900	-	-
5003	-	1120	1000	-	-
5004	-	1250	1120	-	-

安装及外形尺寸 Mounting and overall dimensions

机座不带底脚端盖上有凸缘的电动机 (IP23)
Frame without foot, end cover with flange motor



机座号	凸缘号	安装尺寸及公差 Mounting dimension and tolerance value												外形尺寸 Overall dimension			
Frame no	Flange no	D	E	F	G	M	N	P	R	S	T	n	AC	AD	HF	L	
160M	FF300	42	110	12	37	300	250	350	0	19	Ø1.5 M	5.0	4	325	270	450	660
160L	FF300	42	110	12	37	300	250	350	0	19	Ø1.5 M	5.0	4	325	270	450	705
180M	FF300	48	110	14	42.5	300	250	350	0	19	Ø1.5 M	5.0	4	360	290	490	730
180L	FF300	48	110	14	42.5	300	250	350	0	19	Ø1.5 M	5.0	4	360	290	490	765
200L	FF350	55	110	16	49	350	300	400	0	19	Ø1.5 M	5.0	4	400	355	550	840
225S	FF400	55/60	110/140	18	49/53	400	350	450	0	19	Ø1.5 M	5.0	8	450	370	610	890
225M	FF400	55/60	110/140	18	49/53	400	350	450	0	19	Ø1.5 M	5.0	8	450	370	610	865/915
250M	FF500	60/65	140	18	53/58	500	450	550	0	19	Ø1.5 M	5.0	8	495	455	640	995
280S	FF500	65/75	140	18/20	58/67.5	500	450	550	0	19	Ø1.5 M	5.0	8	550	470	720	1090
280M	FF500	65/75	140	18/20	58/67.5	500	450	550	0	19	Ø1.5 M	5.0	8	550	470	720	1140
315S	FF600	65/80	170	18/22	58/71	600	550	660	0	24	Ø2.0 M	6.0	8	645	576	900	1390
315M	FF600	65/80	170	18/22	58/71	600	550	660	0	24	Ø2.0 M	6.0	8	645	576	900	1490
315L	FF600	65/80	170	18/22	58/71	600	550	660	0	24	Ø2.0 M	6.0	8	645	576	900	1490
355M	FF740	75/95	170	22/25	67.5/86	740	680	800	0	24	Ø2.0 M	6.0	8	750	680	1035	1675
355L	FF740	75/95	170	22/25	67.5/86	740	680	800	0	24	Ø2.0 M	6.0	8	750	680	1035	1675
400M	FF940	90/110	210	22/28	81/100	940	880	1000	0	28	Ø2.0 M	6.0	8	980	920	1010	1720

注：a) R 为凸缘配合面到轴肩的距离。

b) 分子为 2 极电动机的数据，分母为 4 极以上电动机的数据。

Note: a) R is the distance from flange fitting surface to shaft shoulder.

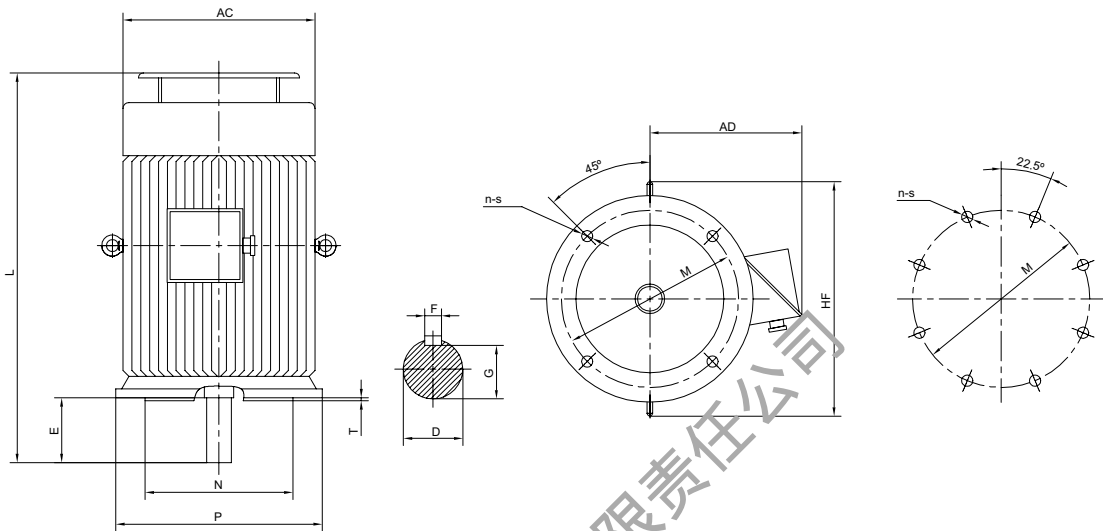
b) Numerator is 2 pole motor's data and denominator is 4 pole's data.



安装及外形尺寸

Mounting and overall dimensions

机座不带底脚端盖上有凸缘的电动机 (IP44)
Frame without foot, end cover with flange motor



机座号	凸缘号	安装尺寸及公差 Mounting dimension and tolerance value												外形尺寸 Overall dimension			
Frame no	Flange no	D	E	F	G	M	n	P	R	S	T	n	AC	AD	HF	L	
160M	FF300	42	110	12	37	300	250	350	0	19	Ø1.5 (M)	5.0	4	325	270	450	660
160L	FF300	42	110	12	37	300	250	350	0	19	Ø1.5 (M)	5.0	4	325	270	450	705
180M	FF300	48	110	14	42.5	300	250	350	0	19	Ø1.5 (M)	5.0	4	360	290	490	730
180L	FF300	48	110	14	42.5	300	250	350	0	19	Ø1.5 (M)	5.0	4	360	290	490	765
200L	FF350	55	110	16	49	350	300	400	0	19	Ø1.5 (M)	5.0	4	400	355	550	840
225S	FF400	55/60	110/140	18	49/53	400	350	450	0	19	Ø1.5 (M)	5.0	8	450	370	610	890
225M	FF400	55/60	110/140	18	49/53	400	350	450	0	19	Ø1.5 (M)	5.0	8	450	370	610	865/915
250M	FF500	60/65	140	18	53/58	500	450	550	0	19	Ø1.5 (M)	5.0	8	495	455	640	995
280S	FF500	65/75	140	18/20	58/67.5	500	450	550	0	19	Ø1.5 (M)	5.0	8	550	470	720	1090
280M	FF500	65/75	140	18/20	58/67.5	500	450	550	0	19	Ø1.5 (M)	5.0	8	550	470	720	1140
315S	FF600	65/80	170	18/22	58/71	600	550	660	0	24	Ø2.0 (M)	6.0	8	645	576	900	1390
315M	FF600	65/80	170	18/22	58/71	600	550	660	0	24	Ø2.0 (M)	6.0	8	645	576	900	1490
315L	FF600	65/80	170	18/22	58/71	600	550	660	0	24	Ø2.0 (M)	6.0	8	645	576	900	1490
355M	FF740	75/95	170	22/25	67.5/86	740	680	800	0	24	Ø2.0 (M)	6.0	8	750	680	1035	1675
355L	FF740	75/95	170	22/25	67.5/86	740	680	800	0	24	Ø2.0 (M)	6.0	8	750	680	1035	1675
400	FF940	110	210	28	100	940	880	1000	0	28	Ø2.0 (M)	6.0	8	860	920	1050	2000
450	FF1080	130	250	32	119	1080	1000	1150	0	28	Ø2.0 (M)	6.0	8	980	1050	1200	2400
500	FF1180	140	250	36	128	1180	1120	1250	0	30	Ø2.0 (M)	7.0	8	1100	1100	1300	2800

注：a) R 为凸缘配合面到轴肩的距离。
b) 分子为 2 极电动机的数据，分母为 4 极以上电动机的数据。
注：本产品样本中，所有产品数据参数及图样仅供参考。
Note: a) R is the distance from flange fitting surface to shaft shoulder.
b) Numerator is 2 pole motor' s data and denominator is 4 pole' s data.
Note: In the product sample, all products data, parameters and drawings are just for reference.



YE2 系列三相异步电动机

YE2 Series Three-phase Induction Motor

YE2 系列为全封闭，自扇冷式三项笼式异步电动机，适用于需要连续运行能频繁工作的一般使用场合，如风机、水泵等。其外形美观，F 级绝缘，防护等级 IP55，运行可靠。

The motors are totally enclosed, fan-cooled three phase induction motor. They are suitable for the places where need continuous running and frequent work, such as ventilators and pumps. Their appearance is beautiful, insulation is F, protection class is IP55, and running is steady.



电气特性

Electrical characteristics

YE2 系列电动机性能指标 YE2 series performance index

机座号 Frame no	80 ~ 355
功率 Power	0.75 ~ 375kW
工作制 Duty	S1
冷却方式 Cooling method	IC411
同步转速 Synchronous speed	3000、1500、1000r/min
额定电压和频率 Rated voltage and frequency	380V、50Hz
能效等级 Energy Efficiency Index	3 级 (中国 GB18613-2012)、 Grade 3

适用于 Apply to

需要节能的连续运行能频繁工作的一般使用场所。如风机、水泵等。
They are suitable for the places where need energy saving, continuous running and frequent work, such as ventilators and pumps.

特点 Features

其外形美观、高效节能, F 级绝缘, 防护等级为 IP55, 电机噪声低、振动小、运行可靠。
Beautiful appearance, high efficiency, energy saving, F insulation class, IP55 protection class, low noise, small vibration and steady operation.

主要技术数据

Main technical data

型号 Type	功率 Power (kW)	转速 Speed (r/min)	效率 Efficiency %	功率因数 Power factor	堵转转矩	堵转电流	最大转矩	噪声 (空载) Noise (no load) (A)
					Locked torque	Locked current	Max. Torque	
同步转速 Synchronous speed 3000 r/min					额定转矩	额定电流	额定转矩	
					Rated torque	Rated current	Rated torque	
YE2-80M1-2	0.75	2825	77.4	0.82	2.3	6.8	2.3	62
YE2-80M2-2	1.1	2825	79.6	0.83	2.3	7.1	2.3	62
YE2-90S-2	1.5	2850	81.3	0.84	2.3	7.3	2.3	67
YE2-90L-2	2.2	2850	83.2	0.85	2.3	7.6	2.3	67
YE2-100L-2	3	2890	84.6	0.87	2.2	7.8	2.3	74
YE2-112M-2	4	2890	85.8	0.88	2.2	8.1	2.3	77
YE2-132S1-2	5.5	2900	87.0	0.88	2.2	8.2	2.3	79
YE2-132S2-2	7.5	2900	88.1	0.89	2.2	7.8	2.3	79
YE2-160M1-2	11	2930	89.4	0.89	2.2	7.9	2.3	81
YE2-160M2-2	15	2930	90.3	0.89	2.2	7.9	2.3	81
YE2-160L-2	18.5	2930	90.9	0.89	2.2	8.0	2.3	81
YE2-180M-2	22	2940	91.3	0.89	2.2	8.1	2.3	83
YE2-200L1-2	30	2955	92.0	0.89	2.0	7.5	2.3	84
YE2-200L2-2	37	2960	92.5	0.89	2.0	7.5	2.3	84
YE2-225M-2	45	2969	92.9	0.89	2.2	7.5	2.3	86
YE2-250M-2	55	2970	93.2	0.89	2.2	7.6	2.3	89
YE2-280S-2	75	2970	93.8	0.89	1.8	6.9	2.3	91
YE2-280M-2	90	2970	94.1	0.89	1.8	6.9	2.3	91
YE2-315S-2	110	2940	94.3	0.90	1.8	7.0	2.2	92
YE2-315M-2	132	2940	94.6	0.90	1.8	7.0	2.2	92
YE2-315L1-2	160	2940	94.8	0.91	1.8	7.1	2.2	92
YE2-315L2-2	200	2940	95.0	0.91	1.8	7.1	2.2	92
YE2-355M-2	250	2980	95.0	0.91	1.6	7.1	2.2	100
YE2-355L-2	315	2980	95.0	0.91	1.6	7.2	2.2	100
YE2-3551-2	355	2980	95.0	0.91	1.6	7.2	2.2	104
YE2-3552-2	375	2980	95.0	0.91	1.6	7.2	2.2	104



主要技术数据 Main technical data

型号 Type	功率 Power (kW)	转速 Speed (r/min)	效率 Efficiency %	功率因数 Power factor	堵转转矩	堵转电流	最大转矩	噪声 (空载) Noise (no load) (A)
					Locked torque	Locked current	Max. Torque	
额定转矩 Rated torque								
额定电流 Rated current								
额定转矩 Rated torque								
同步转速 Synchronous speed 1500 r/min								
YE2-80M2-4	0.75	1390	79.6	0.76	2.3	6.4	2.3	56
YE2-90S-4	1.1	1390	81.4	0.77	2.3	6.6	2.3	59
YE2-90L-4	1.5	1390	82.8	0.78	2.3	6.7	2.3	59
YE2-100L1-4	2.2	1450	84.3	0.80	2.3	7.3	2.3	64
YE2-100L2-4	3	1450	85.5	0.81	2.3	7.5	2.3	64
YE2-112M-4	4	1440	86.6	0.81	2.3	7.5	2.3	65
YE2-132S-4	5.5	1440	87.7	0.82	2.0	7.5	2.3	71
YE2-132M-4	7.5	1440	88.7	0.83	2.0	7.3	2.3	71
YE2-160M-4	11	1460	89.8	0.83	2.0	7.4	2.3	73
YE2-160L-4	15	1460	90.6	0.84	2.0	7.5	2.3	73
YE2-180M-4	18.5	1470	91.2	0.85	2.0	7.6	2.3	76
YE2-180L-4	22	1470	91.6	0.85	2.1	7.7	2.3	76
YE2-200L-4	30	1476	92.3	0.85	2.1	7.1	2.3	76
YE2-225S-4	37	1481	92.7	0.86	2.1	7.3	2.3	78
YE2-225M-4	45	1480	93.1	0.86	2.1	7.3	2.3	78
YE2-250M-4	55	1480	93.5	0.86	2.1	7.4	2.3	79
YE2-280S-4	75	1480	94.0	0.87	2.1	6.8	2.3	80
YE2-280M-4	90	1480	94.2	0.88	2.1	6.9	2.3	80
YE2-315S-4	110	1463	94.5	0.89	2.1	6.9	2.2	88
YE2-315M-4	132	1463	94.7	0.89	2.1	6.9	2.2	88
YE2-315L1-4	160	1463	94.9	0.90	2.1	6.9	2.2	88
YE2-315L2-4	200	1463	95.1	0.90	2.1	6.9	2.2	88
YE2-355M-4	250	1485	95.1	0.90	2.0	6.9	2.2	95
YE2-355L-4	315	1485	95.1	0.90	2.0	6.9	2.2	95
YE2-3551-4	355	1485	95.1	0.89	1.7	6.5	2.2	102
YE2-3552-4	375	1485	95.1	0.88	1.7	6.5	2.2	102



主要技术数据 Main technical data

型号 Type	功率 Power (kW)	转速 Speed (r/min)	效率 Efficiency %	功率因数 Power factor	堵转转矩 Locked torque	堵转电流 Locked current	最大转矩 Max. Torque	噪声 (空载) Noise (no load) (A)
					额定转矩 Rated torque	额定电流 Rated current	额定转矩 Rated torque	
同步转速 Synchronous speed 1000 r/min								
YE2-90S-6	0.75	910	75.9	0.71	2.0	5.8	2.1	57
YE2-90L-6	1.1	910	78.1	0.72	2.0	5.9	2.1	57
YE2-100L-6	1.5	950	79.8	0.72	2.0	5.9	2.1	61
YE2-112M-6	2.2	940	81.8	0.72	2.0	6.2	2.1	65
YE2-132S-6	3	960	83.3	0.72	2.0	6.4	2.1	69
YE2-132M1-6	4	960	84.6	0.74	2.0	6.6	2.1	69
YE2-132M2-6	5.5	960	86.0	0.75	2.0	6.8	2.1	69
YE2-160M-6	7.5	970	87.2	0.78	2.0	6.8	2.1	73
YE2-160L-6	11	970	88.7	0.79	2.0	6.9	2.1	73
YE2-180L-6	15	970	89.7	0.82	2.0	7.3	2.1	73
YE2-200L1-6	18.5	980	90.4	0.80	2.0	7.2	2.1	73
YE2-200L2-6	22	980	90.9	0.81	2.0	7.3	2.1	73
YE2-225M-6	30	985	91.7	0.82	2.0	6.8	2.1	74
YE2-250M-6	37	980	92.2	0.83	2.0	7.0	2.1	76
YE2-280S-6	45	980	92.7	0.85	2.0	7.2	2.0	78
YE2-280M-6	55	980	93.1	0.86	2.0	7.2	2.0	78
YE2-315S-6	75	970	93.7	0.84	2.0	6.5	2.0	83
YE2-315M-6	90	970	94.0	0.85	2.0	6.6	2.0	83
YE2-315L1-6	110	970	94.3	0.85	2.0	6.6	2.0	83
YE2-315L2-6	132	970	94.6	0.86	2.0	6.6	2.0	83
YE2-355M1-6	160	990	94.8	0.86	2.0	6.7	2.0	85
YE2-355M2-6	200	990	95.0	0.86	2.0	6.8	2.0	85
YE2-355L-6	250	990	95.0	0.86	2.0	6.8	-	85
YE2-355-6	315	990	95.0	0.86				

常用的安装结构型式 General mounting way

常用的安装结构型式，以及适用的机座号见下表：
General mounting way and suitable frame please see the below table:

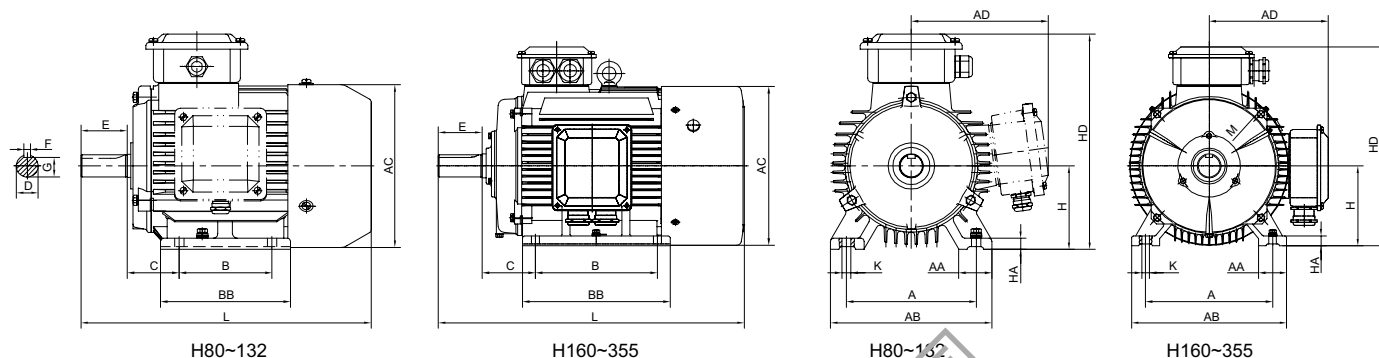
机座号 Frame	基本安装结构 Basic mounting way			派生的安装形式 Derivative mounting way											
	B3	B5	B35	V1	V3	V5	V6	B6	B7	B8	V15	V36	B14	B34	V18
80 ~ 112	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
132 ~ 160	√	√	√	√	√	√	√	√	√	√	√	√	-	-	-
180 ~ 280	√	√	√	√	-	-	-	-	-	-	-	-	-	-	-
315 ~ 355	√	-	√	√	-	-	-	-	-	-	-	-	-	-	-

"√" 表示可以制造生产的结构形式，电机订购时，若不作说明的接线盒为上侧出线（线盒置顶）。

"√" means the mounting way can be produced. When in order, if there is no notice, the connection box is top outlet (on the top of the box).

安装及外形尺寸 Mounting and overall dimensions

B3 机座带底脚、端盖无凸缘
Frame with foot, end cover without flange



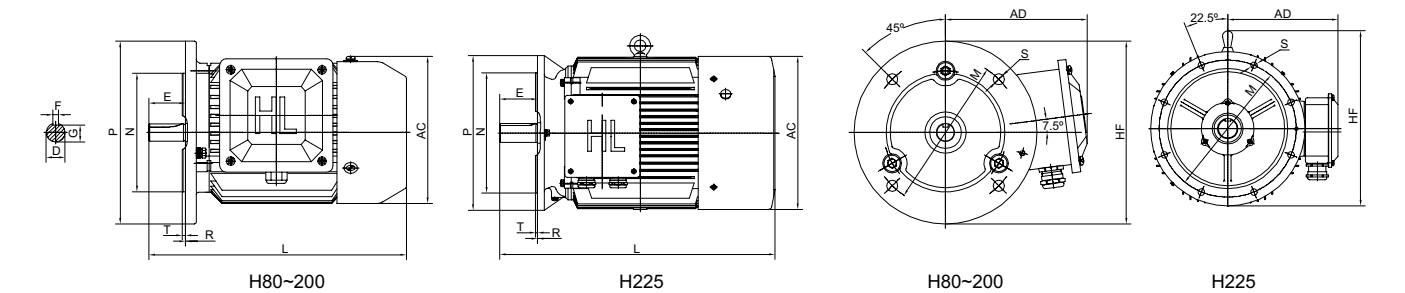
机座 Frame	极数 Pole	安装尺寸 Mounting dimension									外形尺寸 Overall dimension								
		A	B	C	D	E	F	G	H	K	AA	AB	HA	AC	AD	HD	L		
80M	2,4,6	125	100	50	19	40	6	15.5	80	10	34	130	10	165	165	140	220	295	
90S	2,4,6	140	100	56	24	50	8	20	90	10	36	140	12	180	185	165	260	360	
90L	2,4,6	140	125	56	24	50	8	20	90	10	36	165	12	180	185	165	260	390	
100L	2,4,6	160	140	63	28	60	8	24	100	12	40	176	14	200	196	180	270	385	
112M	2,4,6	190	140	70	28	60	8	24	112	12	45	180	15	230	240	190	300	420	
132S	2,4,6	216	140	89	38	80	10	33	132	12	55	186	18	262	270	210	345	490	
132M	2,4,6	216	178	89	38	80	10	33	132	12	55	224	18	262	270	210	345	540	
160M	2,4,6	254	210	108	42	110	12	37	160	14.5	65	260	20	320	330	255	420	670	
160L	2,4,6	254	254	108	42	110	12	37	160	14.5	65	304	20	320	330	255	420	700	
180M	2,4,6	279	241	121	48	110	14	42.5	180	14.5	70	311	22	355	380	280	455	740	
180L	2,4,6	279	279	121	48	110	14	42.5	180	14.5	70	349	22	355	380	280	455	790	
200L	2,4,6	318	305	133	55	110	16	49	200	18.5	70	369	25	395	420	305	505	790	
225S	4	356	286	149	60	140	18	53	225	18.5	75	375	28	435	470	335	560	830	
225M	2	356	311	149	55	110	16	49	225	18.5	75	400	28	435	470	335	560	825	
	4,6	356	311	149	60	140	18	53	225	18.5	75	400	28	435	470	335	560	855	
250M	2	406	349	168	60	140	18	53	250	24	80	445	30	490	510	370	615	915	
	4,6	406	349	168	65	140	18	58	250	24	80	445	30	490	510	370	615	915	
280S	2	457	368	190	65	140	18	58	280	24	85	490	35	550	580	410	680	985	
	4,6	457	368	190	75	140	20	67.5	280	24	85	490	35	550	580	410	680	985	
280M	2	457	419	190	65	140	18	58	280	24	85	540	35	550	580	410	680	1035	
	4,6	457	419	190	75	140	20	67.5	280	24	85	540	35	550	580	410	680	1035	
315S	2	508	406	216	65	140	18	58	315	28	120	570	45	635	645	530	845	1270	
	4,6	508	406	216	80	170	22	71	315	28	120	570	45	635	645	530	845	1270	
315M	2	508	457	216	65	140	18	58	315	28	120	680	45	635	645	530	845	1340	
	4,6	508	457	216	80	170	22	71	315	28	120	680	45	635	645	530	845	1340	
315L	2	508	508	216	65	140	18	58	315	28	120	680	45	635	645	530	845	1340	
	4,6	508	508	216	80	170	22	71	315	28	120	680	45	635	645	530	845	1340	
355M	2	610	560	254	75	140	20	67.5	355	28	116	750	52	726	710	655	1010	1525	
	4,6	610	560	254	95	170	25	86	355	28	116	750	52	726	710	655	1010	1525	
355L	2	610	630	254	75	140	20	67.5	355	28	116	750	52	726	710	655	1010	1525	
	4,6	610	630	254	95	170	25	86	355	28	116	750	52	726	710	655	1010	1525	



安装及外形尺寸

Mounting and overall dimensions

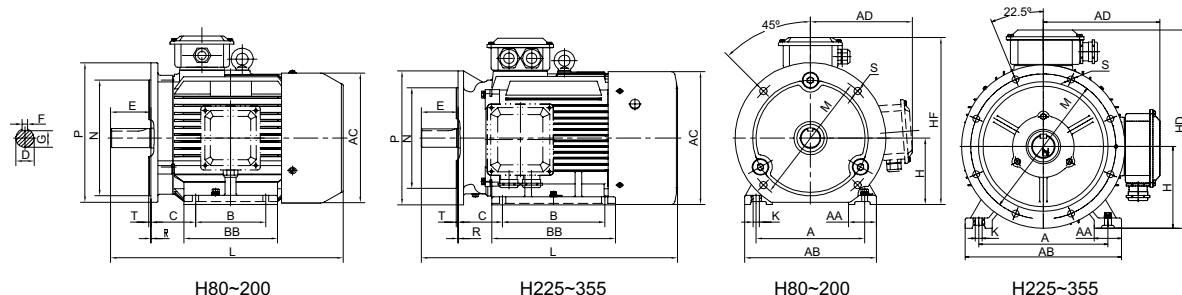
B5 机座不带底角、端盖有凸缘（带通孔）
Frame without foot, end cover with flange (with through hole)



机座 Frame	极数 Pole	安装尺寸 Mounting dimension								外形尺寸 Overall dimension						
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L	
80M	2,4,6	19	40	6	15.5	165	130	200	0	4-Ø12	3.5	165	140	220	295	
90S	2,4,6	24	50	8	20	165	130	200	0	4-Ø12	3.5	185	165	220	360	
90L	2,4,6	24	50	8	20	165	130	200	0	4-Ø12	3.5	185	165	220	390	
100L	2,4,6	28	60	8	24	215	180	250	0	4-Ø14.5	4	196	180	245	385	
112M	2,4,6	28	60	8	24	215	180	250	0	4-Ø14.5	4	240	190	265	420	
132S	2,4,6	38	80	10	33	265	230	300	0	4-Ø14.5	4	270	210	315	490	
132M	2,4,6	38	80	10	33	265	230	300	0	4-Ø14.5	4	270	210	315	540	
160M	2,4,6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	385	670	
160L	2,4,6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	385	700	
180M	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	430	740	
180L	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	430	790	
200L	2,4,6	55	110	16	49	350	300	400	0	4-Ø18.5	5	420	305	480	790	
225S	4	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	335	535	830	
225M	2	55	110	16	49	400	350	450	0	8-Ø18.5	5	470	335	535	825	
	4,6	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	335	535	855	

安装及外形尺寸 Mounting and overall dimensions

B35 机座带底角、端盖有凸缘（带通孔）
Frame with foot, end cover with flange (with through hole)



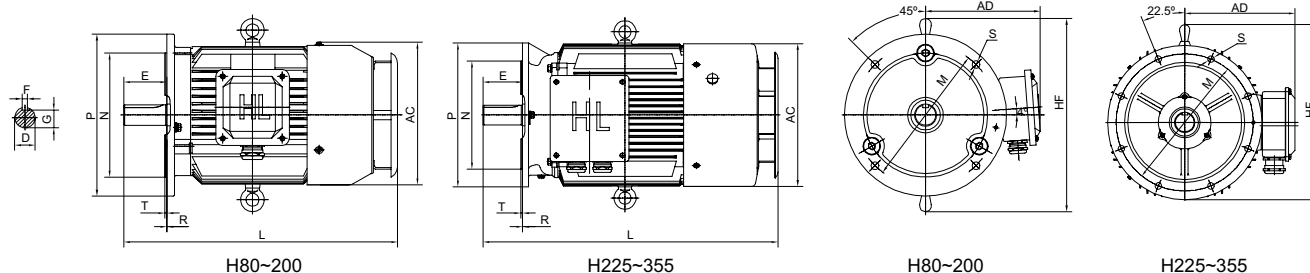
机座	极数	安装尺寸 Mounting dimension														外形尺寸 Overall dimension										
Frame	Pole	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AA	BB	HA	AB	AC	AD	HD	L		
80M	2,4,6	125	100	50	19	40	6	15.5	80	10	165	130	200	0	4-Ø12	3.5	34	130	10	165	165	140	220	295		
90S	2,4,6	140	100	56	24	50	8	20	90	10	165	130	200	0	4-Ø12	3.5	36	140	12	180	185	165	260	360		
90L	2,4,6	140	125	56	24	50	8	20	90	10	165	130	200	0	4-Ø12	3.5	36	165	12	180	185	165	260	390		
100L	2,4,6	160	140	63	28	60	8	24	100	12	215	180	250	0	4-Ø14.5	4	40	176	14	200	196	180	270	385		
112M	2,4,6	190	140	70	28	60	8	24	112	12	215	180	250	0	4-Ø14.5	4	45	180	15	230	240	190	300	420		
132S	2,4,6	216	140	89	38	80	10	33	132	12	265	230	300	0	4-Ø14.5	4	55	186	18	262	270	210	345	490		
132M	2,4,6	216	178	89	38	80	10	33	132	12	265	230	300	0	4-Ø14.5	4	55	224	18	262	270	210	345	540		
160M	2,4,6	254	210	108	42	110	12	37	160	15	300	250	350	0	4-Ø18.5	5	65	260	20	320	330	255	420	670		
160L	2,4,6	254	254	108	42	110	12	37	160	15	300	250	350	0	4-Ø18.5	5	65	304	20	320	330	255	420	700		
180M	2,4,6	279	241	121	48	110	14	42.5	180	15	300	250	350	0	4-Ø18.5	5	70	311	22	355	380	280	455	740		
180L	2,4,6	279	279	121	48	110	14	42.5	180	15	300	250	350	0	4-Ø18.5	5	70	349	22	355	380	280	455	790		
200L	2,4,6	318	305	133	55	110	14	49	200	19	350	300	400	0	4-Ø18.5	5	70	379	25	395	420	305	505	790		
225S	4	356	286	149	60	140	16	53	225	19	400	350	450	0	8-Ø18.5	5	75	375	28	435	470	335	560	830		
225M	2	356	311	149	55	110	16	49	225	19	400	350	450	0	8-Ø18.5	5	75	400	28	435	470	335	560	825		
	4,6	356	311	149	60	140	18	53	225	19	400	350	450	0	8-Ø18.5	5	75	400	28	435	470	335	560	855		
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	8-Ø18.5	5	80	445	30	490	510	370	615	915		
	4,6	406	349	168	65	140	18	58	250	24	500	450	550	0	8-Ø18.5	5	80	445	30	490	510	370	615	915		
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	8-Ø18.5	5	85	485	35	550	580	410	680	985		
	4,6	457	368	190	75	140	20	67.5	280	24	500	450	550	0	8-Ø18.5	5	85	485	35	550	580	410	680	985		
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0	8-Ø18.5	5	85	536	35	550	580	410	680	1035		
	4,6	457	419	190	75	140	20	67.5	280	24	500	450	550	0	8-Ø18.5	5	85	536	35	550	580	410	680	1035		
315S	2	508	406	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	120	570	45	635	645	530	845	1270		
	4,6	508	406	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	120	570	45	635	645	530	845	1270		
315M	2	508	457	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1340		
	4,6	508	457	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1340		
315L	2	508	508	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1340		
	4,6	508	508	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1340		
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	0	8-Ø24	6	116	750	52	726	710	655	1010	1525		
	4,6	610	560	254	95	170	25	86	355	28	740	680	800	0	8-Ø24	6	116	750	52	726	710	655	1010	1525		
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	8-Ø24	6	116	750	52	726	710	655	1010	1525		
	4,6	610	630	254	95	170	25	86	355	28	740	680	800	0	8-Ø24	6	116	750	52	726	710	655	1010	1525		

安装及外形尺寸

Mounting and overall dimensions

V1 立式安装、机座不带底角、端盖有凸缘、轴伸向下

Vertical mounting Frame without foot, end cover with flange, shaft extension downwards



机座 Frame	极数 Pole	安装尺寸 Mounting dimension										外形尺寸 Overall dimension			
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80M	2,4,6	19	40	6	15.5	165	130	200	0	4-Ø12	3.5	165	140	220	335
90S	2,4,6	24	50	8	20	165	130	200	0	4-Ø12	3.5	185	165	220	365
90L	2,4,6	24	50	8	20	165	130	200	0	4-Ø12	3.5	185	165	220	400
100L	2,4,6	28	60	8	24	215	180	250	0	4-Ø14.5	4	196	180	300	420
112M	2,4,6	28	60	8	24	215	180	250	0	4-Ø14.5	4	240	190	320	460
132S	2,4,6	38	80	10	33	265	230	300	0	4-Ø14.5	4	270	210	380	540
132M	2,4,6	38	80	10	33	265	230	300	0	4-Ø14.5	4	270	210	380	590
160M	2,4,6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	450	700
160L	2,4,6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	450	740
180M	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	500	760
180L	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	500	800
200L	2,4,6	55	110	16	49	350	300	400	0	4-Ø18.5	5	420	305	550	840
225S	4	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	335	610	910
225M	2	55	110	16	49	400	350	450	0	8-Ø18.5	5	470	335	610	905
	4,6	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	335	610	935
250M	2	60	140	18	53	500	450	550	0	8-Ø18.5	5	510	370	650	1015
	4,6	65	140	18	58	500	450	550	0	8-Ø18.5	5	510	370	650	1015
280S	2	65	140	18	58	500	450	550	0	8-Ø18.5	5	580	410	720	1110
	4,6	75	140	20	67.5	500	450	550	0	8-Ø18.5	5	580	410	720	1110
280M	2	65	140	18	58	500	450	550	0	8-Ø18.5	5	580	410	720	1150
	4,6	75	140	20	67.5	500	450	550	0	8-Ø18.5	5	580	410	720	1150
315S	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	1390
	4,6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	1390
315M	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	1490
	4,6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	1490
315L	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	1490
	4,6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	1490
355M	2	75	140	20	67.5	740	680	800	0	8-Ø24	6	710	655	1035	1675
	4,6	95	170	25	86	740	680	800	0	8-Ø24	6	710	655	1035	1675
355L	2	75	140	20	67.5	740	680	800	0	8-Ø24	6	710	655	1035	1675
	4,6	95	170	25	86	740	680	800	0	8-Ø24	6	710	655	1035	1675

注：本产品样本中，所有产品数据参数及图样仅供参考。

Note: In the product sample, all products data, parameters and drawings are just for reference.



YX3 系列三相异步电动机

YX3 Series Three-phase Induction Motor

YX3 系列三相异步电动机适用于需要连续运行能频繁工作的一般使用场合，如风机、水泵等，符合 GB18613-2012 标准效率值 3 级能效。其外形美观，F 级绝缘，防护等级 IP55，电机噪声低、振动小、运行可靠。

The motors are suitable for the places where need continuous running and frequent work, such as ventilators and pumps. They are fulfilled with the grade 3 energy efficiency of GB18613-2012. Their appearance is beautiful, insulation is F, and protection class is IP55. The motors have the features of low noise, small vibration and reliable operation.



电气特性

Electrical characteristics

YX3 系列电动机性能指标 YX3 series performance index

机座号 Frame no	80 ~ 355
功率 Power	0.55 ~ 315kW
工作制 Duty	S1
冷却方式 Cooling method	IC411
同步转速 Synchronous speed	3000、1500、1000r/min
额定电压和频率 Rated voltage and frequency	380V、50Hz
能效等级 Energy Efficiency Index	3 级 (中国 GB18613-2012)、 Grade 3

适用于 Apply to

需要节能的连续运行能频繁工作的一般使用场所。如风机、水泵等。
They are suitable for the places where need energy saving, continuous running and frequent work, such as ventilators and pumps.

特点 Features

其外形美观、高效节能, F 级绝缘, 防护等级为 IP55, 电机噪声低、振动小、运行可靠。
Beautiful appearance, high efficiency, energy saving, F insulation class, IP55 protection class, low noise, small vibration and steady operation.

主要技术数据

Main technical data

型号 Type	功率 Type (kW)	额定电流 Rated current (A)	转速 Speed (r/min)	效率 Efficiency %	功率因数 Power factor	额定转矩 Rated torque (N.m)	堵转转矩 Locked torque	堵转电流 Locked current	最大转矩 Max. Torque	噪声 Noise (A)
							额定转矩 Rated torque	额定电流 Rated current	额定转矩 Rated torque	
同步转速 Synchronous speed 3000 r/min										
YX3-80M1-2	0.75	1.77	2865	77.5	0.83	2.5	2.3	6.8	2.3	62
YX3-80M2-2	1.1	2.43	2880	82.8	0.83	3.7	2.3	7.3	2.3	62
YX3-90S-2	1.5	3.19	2900	84.1	0.85	5.0	2.3	7.6	2.3	67
YX3-90L-2	2.2	4.59	2890	85.6	0.85	7.3	2.3	7.8	2.3	67
YX3-100L-2	3	6.04	2890	86.7	0.87	10.0	2.3	8.1	2.3	74
YX3-112M-2	4	7.9	2910	87.6	0.88	13.1	2.3	8.3	2.3	77
YX3-132S1-2	5.5	10.7	2920	88.6	0.88	17.9	2.2	8.0	2.3	79
YX3-132S2-2	7.5	14.5	2920	89.5	0.88	24.4	2.2	7.8	2.3	79
YX3-160M1-2	11	20.75	2942	90.5	0.89	35.7	2.2	7.9	2.3	81
YX3-160M2-2	15	28.05	2942	91.3	0.89	48.6	2.2	8.0	2.3	81
YX3-160L-2	18.5	34.7	2942	91.8	0.90	60.0	2.2	8.1	2.3	81
YX3-180M-2	22	40.3	2960	92.2	0.90	71.2	2.2	8.2	2.3	83
YX3-200L1-2	30	54.5	2965	92.9	0.90	96.8	2.2	7.5	2.3	84
YX3-200L2-2	37	66.9	2965	93.3	0.90	119	2.2	7.5	2.3	84
YX3-225M-2	45	81.1	2965	93.7	0.90	145	2.2	7.6	2.3	86
YX3-250M-2	55	98	2970	94.0	0.89	177	2.2	7.6	2.3	89
YX3-280S-2	75	132	2975	94.6	0.91	241	2.0	6.9	2.3	91
YX3-280M-2	90	158	2975	95.0	0.91	289	2.0	7.0	2.3	91
YX3-315S-2	110	194	2975	95.0	0.91	353	2.0	7.1	2.2	92
YX3-315M-2	132	231	2975	95.4	0.91	424	2.0	7.1	2.2	92
YX3-315L1-2	160	280	2975	95.4	0.91	514	2.0	7.1	2.2	92
YX3-315L2-2	200	350	2975	95.4	0.91	642	2.0	7.1	2.2	92
YX3-355M-2	250	433	2980	95.8	0.92	800	2.0	7.1	2.2	100
YX3-355L-2	315	545	2980	95.8	0.92	1008	2.0	7.1	2.2	100



主要技术数据 Main technical data

型号 Type	功率 Type (kW)	额定电流 Rated current (A)	转速 Speed (r/min)	效率 Efficiency %	功率因数 Power factor	额定转矩 Rated torque (N.m)	堵转转矩 Locked torque	堵转电流 Locked current	最大转矩 Max. Torque	噪声 Noise (A)
							额定转矩 Rated torque	额定电流 Rated current	额定转矩 Rated torque	
同步转速 Synchronous speed 1500 r/min										
YX3-80M1-4	0.55	1.38	1435	80.7	0.75	3.7	2.3	6.3	2.3	56
YX3-80M2-4	0.75	1.85	1435	82.3	0.75	5.0	2.3	6.5	2.3	56
YX3-90S-4	1.1	2.59	1435	83.8	0.77	7.4	2.3	6.6	2.3	59
YX3-90L-4	1.5	3.48	1440	85.0	0.77	10.1	2.3	6.9	2.3	59
YX3-100L1-4	2.2	4.77	1450	86.4	0.81	14.7	2.3	7.5	2.3	64
YX3-100L2-4	3	6.36	1450	87.4	0.82	20.0	2.3	7.6	2.3	64
YX3-112M-4	4	8.4	1455	88.3	0.82	26.3	2.3	7.7	2.3	65
YX3-132S-4	5.5	11.3	1460	89.2	0.83	35.9	2.0	7.5	2.3	71
YX3-132M-4	7.5	15.1	1460	90.1	0.84	48.5	2.0	7.4	2.3	71
YX3-160M-4	11	21.86	1470	91.0	0.84	63.5	2.2	7.5	2.3	73
YX3-160L-4	15	29.21	1470	91.8	0.85	97.4	2.2	7.5	2.3	73
YX3-180M-4	18.5	35.4	1475	92.2	0.86	120	2.2	7.7	2.3	76
YX3-180L-4	22	42.0	1475	92.6	0.86	143	2.2	7.8	2.3	76
YX3-200L-4	30	56.8	1475	93.2	0.86	194	2.2	7.2	2.3	76
YX3-225S-4	37	69.1	1480	93.6	0.87	239	2.2	7.3	2.3	78
YX3-225M-4	45	83.7	1480	93.9	0.87	290	2.2	7.4	2.3	78
YX3-250M-4	55	102	1480	94.2	0.87	354	2.2	7.4	2.3	79
YX3-280S-4	75	138	1485	94.7	0.87	482	2.2	6.7	2.3	80
YX3-280M-4	90	165	1485	95.0	0.87	579	2.2	6.9	2.3	80
YX3-315S-4	110	199	1480	95.4	0.88	707	2.2	6.9	2.2	88
YX3-315M-4	132	239	1480	95.4	0.88	849	2.2	6.9	2.2	88
YX3-315L1-4	160	290	1480	95.4	0.88	1029	2.2	6.9	2.2	88
YX3-315L2-4	200	362	1480	95.4	0.88	1286	2.2	6.9	2.2	88
YX3-355M-4	250	442	1490	95.8	0.90	1597	2.2	6.9	2.2	95
YX3-355L-4	315	559	1490	95.8	0.90	2012	2.2	6.9	2.2	95



主要技术数据 Main technical data

型号 Type	功率 Type (kW)	额定电流 Rated current (A)	转速 Speed (r/min)	效率 Efficiency %	功率因数 Power factor	额定转矩 Rated torque (N.m)	堵转转矩 Locked torque	堵转电流 Locked current	最大转矩 Max. Torque	噪声 Noise (A)
							额定转矩 Rated torque	额定电流 Rated current	额定转矩 Rated torque	
同步转速 Synchronous speed 1000 r/min										
YX3-80M1-6	0.37	1.31	950	63.0	0.68	3.9	-	-	-	-
YX3-80M2-6	0.55	1.68	950	72.0	0.69	5.8	-	-	-	-
YX3-90S-6	0.75	2.04	950	77.7	0.72	7.7	2.1	5.8	2.1	57
YX3-90L-6	1.1	2.87	950	79.9	0.73	11.2	2.1	5.9	2.1	57
YX3-100L-6	1.5	3.73	950	81.5	0.76	15.2	2.1	6.0	2.1	61
YX3-112M-6	2.2	5.3	955	83.4	0.76	21.8	2.1	6.0	2.1	65
YX3-132S-6	3	7.1	970	84.9	0.76	29.4	2.0	6.2	2.1	69
YX3-132M1-6	4	9.3	970	86.1	0.76	39.2	2.0	6.8	2.1	69
YX3-132M2-6	5.5	12.4	970	87.4	0.77	53.9	2.0	7.1	2.1	69
YX3-160M-6	7.5	16.63	976	89.0	0.77	73.5	2.1	6.7	2.1	70
YX3-160L-6	11	23.81	976	90.0	0.78	108	2.1	6.9	2.1	70
YX3-180L-6	15	31.0	980	91.0	0.81	146	2.0	7.2	2.1	73
YX3-200L1-6	18.5	37.9	985	91.5	0.81	180	2.1	7.2	2.1	73
YX3-200L2-6	22	43.8	980	92.0	0.83	214	2.1	7.3	2.1	73
YX3-225M-6	30	58.7	985	92.5	0.84	291	2.0	7.1	2.1	74
YX3-250M-6	37	71	980	93.0	0.85	359	2.1	7.1	2.1	76
YX3-280S-6	45	85	990	93.5	0.86	434	2.1	7.2	2.0	78
YX3-280M-6	55	104	985	93.8	0.86	531	2.1	7.2	2.0	78
YX3-315S-6	75	141	985	94.2	0.86	723	2.0	6.7	2.0	83
YX3-315M-6	90	168	985	94.5	0.86	868	2.0	6.7	2.0	83
YX3-315L1-6	110	205	985	95.0	0.86	1061	2.0	6.7	2.0	83
YX3-315L2-6	132	242	985	95.0	0.87	1273	2.0	6.7	2.0	83
YX3-355M1-6	160	292	980	95.0	0.88	1536	2.0	6.7	2.0	85
YX3-355M2-6	200	365	980	95.0	0.88	1920	2.0	6.7	2.0	85
YX3-355L-6	250	457	990	95.0	0.88	2399	2.0	6.7	-	85

常用的安装结构型式 General mounting way

常用的安装结构型式，以及适用的机座号见下表：

General mounting way and suitable frame please see the below table:

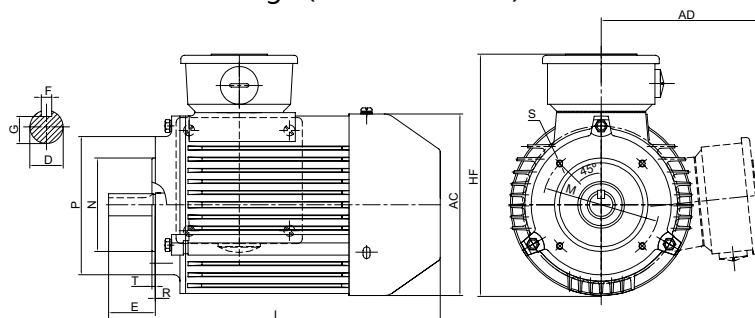
机座号 Frame	基本安装结构 Basic mounting way			派生的安装形式 Derivative mounting way											
	B3	B5	B35	V1	V3	V5	V6	B6	B7	B8	V15	V36	B14	B34	V18
80 ~ 112	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
132 ~ 160	√	√	√	√	√	√	√	√	√	√	√	√	-	-	-
180 ~ 280	√	√	√	√	-	-	-	-	-	-	-	-	-	-	-
315 ~ 355	√	-	√	√	-	-	-	-	-	-	-	-	-	-	-

“√” 表示可以制造生产的结构形式，电机订购时，若不作说明的接线盒为上侧出线（线盒置顶）。

“√” means the mounting way can be produced. When in order, if there is no notice, the connection box is top outlet (on the top of the box).

安装及外形尺寸 Mounting and overall dimensions

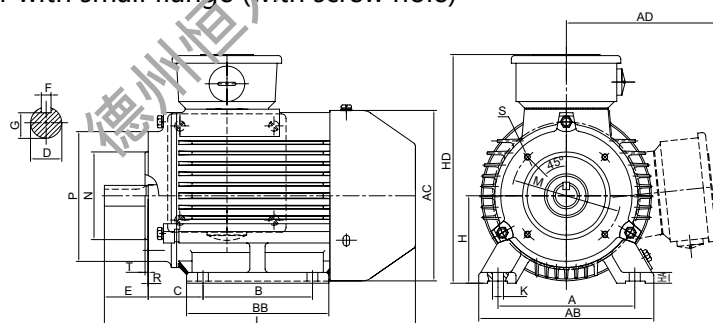
B14 机座无底脚、端盖上有小凸缘（带丝孔）
Frame without foot, end cover with small flange (with screw hole)



机座号Frame size: 80~112

机座 Frame	极数 Pole	安装尺寸 Mounting dimension										外形尺寸 Overall dimension			
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80M	2,4,6	19	40	6	15.5	100	80	120	0	4-M6	3.0	175	145	-	305
90S	2,4,6	24	50	8	20	115	95	140	0	4-M8	3.0	195	165	-	355
90L	2,4,6	24	50	8	20	115	95	140	0	4-M8	3.0	195	165	-	385
100L	2,4,6	28	60	8	24	130	110	160	0	4-M8	3.5	215	180	245	435
112M	2,4,6	28	60	8	24	130	110	160	0	4-M8	3.5	240	190	265	470

B34 机座带底脚、端盖上有小凸缘（带丝孔）
Frame with foot, end cover with small flange (with screw hole)



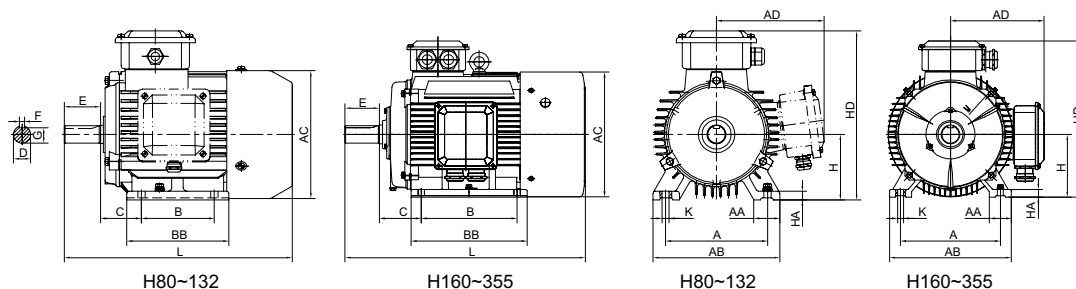
机座号Frame size: 80~112

机座 Frame	极数 Pole	安装尺寸 Mounting dimension														外形尺寸 Overall dimension											
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AA	BB	HA	AB	AC	AD	HD	L			
80M	2,4,6	125	100	50	19	40	6	15.5	80	10	100	80	120	0	4-M6	3.0	34	142	12	165	175	145	220	305			
90S	2,4,6	140	100	56	24	50	8	20	90	10	115	95	140	0	4-M8	3.0	36	180	12	180	195	165	260	355			
90L	2,4,6	140	125	56	24	50	8	20	90	10	115	95	140	0	4-M8	3.0	36	220	12	180	195	165	260	385			
100L	2,4,6	160	140	63	28	60	8	24	100	12	130	110	160	0	4-M8	3.5	40	233	14	205	215	180	270	435			
112M	2,4,6	190	140	70	28	60	8	24	112	12	130	110	160	0	4-M8	3.5	45	248	14	230	240	190	300	470			

安装及外形尺寸

Mounting and overall dimensions

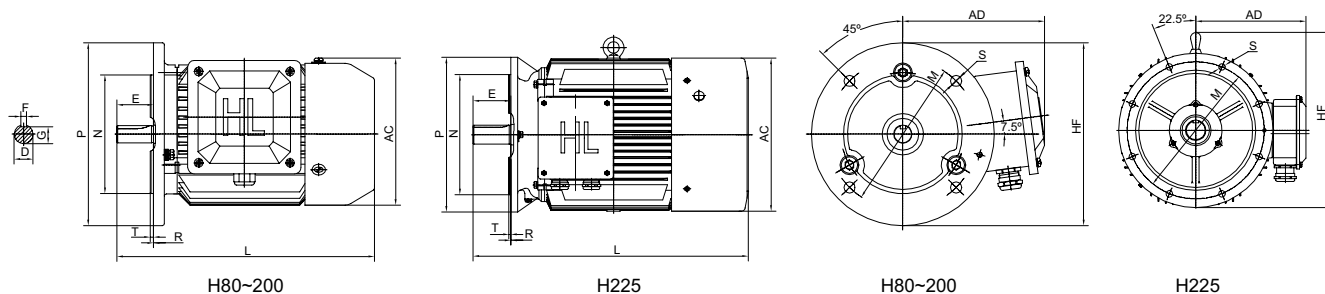
B3 机座带底脚、端盖无凸缘
Frame with foot, end cover without flange



机座	极数	安装尺寸 Mounting dimension									外形尺寸 Overall dimension								
Frame	Pole	A	B	C	D	E	F	G	H	K	AA	BB	HA	AB	AC	AD	HD	L	
80M	2,4,6	125	100	50	19	40	6	15.5	80	10	34	142	12	165	175	145	220	305	
90S	2,4,6	140	100	56	24	50	8	20	90	10	36	180	12	180	195	165	260	355	
90L	2,4,6	140	125	56	24	50	8	24	90	10	36	220	12	180	195	165	260	385	
100L	2,4,6	160	140	63	28	60	8	24	100	12	40	233	14	205	215	180	270	435	
112M	2,4,6	190	140	70	28	60	8	33	112	12	45	248	14	230	240	190	300	475	
132S	2,4,6	216	140	89	38	80	10	33	132	12	55	224	18	270	275	210	345	510	
132M	2,4,6	216	178	89	38	80	10	33	132	12	55	262	18	270	275	210	345	560	
160M	2,4,6	254	210	108	42	110	12	37	160	14.5	65	304	20	320	330	255	420	670	
160L	2,4,6	254	254	108	42	110	12	37	160	14.5	65	334	20	320	330	255	420	700	
180M	2,4,6	279	241	121	48	110	14	42.5	180	14.5	70	349	22	355	380	280	455	740	
180L	2,4,6	279	279	121	48	110	14	42.5	180	14.5	70	397	25	355	380	280	455	790	
200L	2,4,6	318	305	133	55	110	16	49	200	18.5	70	369	26	395	420	305	505	790	
225S	4	356	286	149	60	140	18	53	225	18.5	75	368	28	435	470	335	560	830	
225M	2	356	311	149	55	110	16	49	225	18.5	75	393	28	435	470	335	560	825	
	4,6	356	311	149	60	140	18	53	225	18.5	75	393	28	435	470	335	560	855	
250M	2	406	349	168	60	140	18	53	250	24	80	445	30	490	510	370	615	915	
	4,6	406	349	168	65	140	18	58	250	24	80	445	30	490	510	370	615	915	
280S	2	457	368	190	65	140	18	58	280	24	85	485	35	550	580	410	680	985	
	4,6	457	368	190	75	140	20	67.5	280	24	85	485	35	550	580	410	680	985	
280M	2	457	419	190	65	140	18	58	280	24	85	536	35	550	580	410	680	1035	
	4,6	457	419	190	75	140	20	67.5	280	24	85	536	35	550	580	410	680	1035	
315S	2	508	406	216	65	140	18	58	315	28	120	570	45	635	645	530	845	1190	
	4,6	508	406	216	80	170	22	71	315	28	120	570	45	635	645	530	845	1190	
315M	2	508	457	216	65	140	18	58	315	28	120	680	45	635	645	530	845	1300	
	4,6	508	457	216	80	170	22	71	315	28	120	680	45	635	645	530	845	1300	
315L	2	508	508	216	65	140	18	58	315	28	120	680	45	635	645	530	845	1300	
	4,6	508	508	216	80	170	22	71	315	28	120	680	45	635	645	530	845	1300	
355M	2	610	560	254	75	140	20	67.5	355	28	130	750	52	730	710	655	1010	1505	
	4,6	610	560	254	95	170	25	86	355	28	130	750	52	730	710	655	1010	1545	
355L	2	610	630	254	75	140	20	67.5	355	28	130	750	52	730	710	655	1010	1505	
	4,6	610	630	254	95	170	25	86	355	28	130	750	52	730	710	655	1010	1545	

安装及外形尺寸 Mounting and overall dimensions

B5 机座不带底角、端盖有凸缘（带通孔）
Frame without foot, end cover with flange (with through hole)

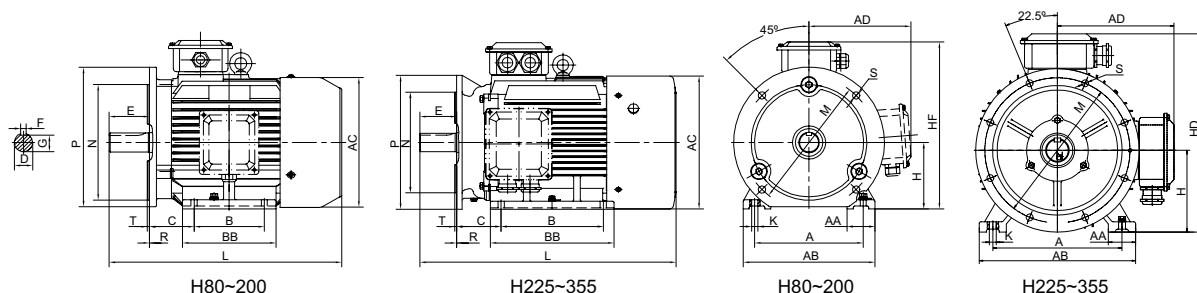


机座 Frame	极数 Pole	安装尺寸 Mounting dimension									外形尺寸 Overall dimension				
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80M	2,4,6	19	40	6	15.5	165	130	200	0	4-Ø12	3.5	175	145	-	305
90S	2,4,6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	165	-	355
90L	2,4,6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	165	-	385
100L	2,4,6	28	60	8	24	215	180	250	0	4-Ø14.5	4	215	180	245	435
112M	2,4,6	28	60	8	24	215	180	250	0	4-Ø14.5	4	240	190	265	475
132S	2,4,6	38	80	10	33	265	230	300	0	4-Ø14.5	4	275	210	315	510
132M	2,4,6	38	80	10	33	265	230	300	0	4-Ø14.5	4	275	210	315	560
160M	2,4,6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	385	670
160L	2,4,6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	385	700
180M	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	430	740
180L	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	430	790
200L	2,4,6	55	110	16	49	350	300	400	0	4-Ø18.5	5	420	305	480	790
225S	4	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	335	535	830
225M	2	55	110	16	49	400	350	450	0	8-Ø18.5	5	470	335	535	825
	4,6	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	335	535	855

安装及外形尺寸

Mounting and overall dimensions

B35 机座带底角、端盖有凸缘（带通孔）
Frame with foot, end cover with flange (with through hole)

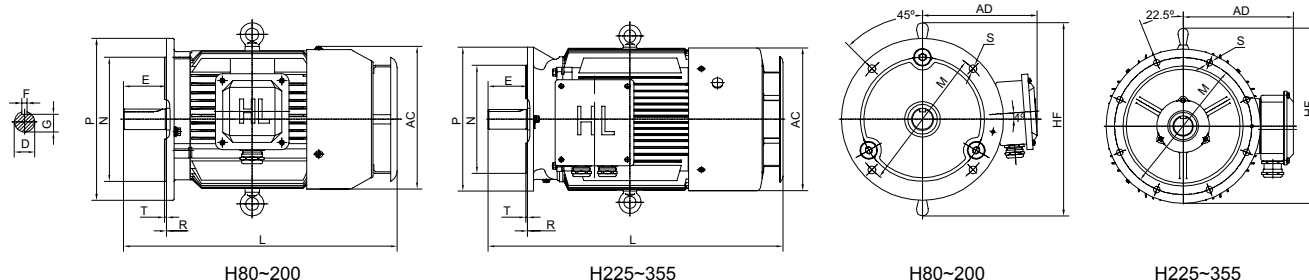


机座	极数	安装尺寸 Mounting dimension															外形尺寸 Overall dimension										
Frame	Pole	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AA	BB	HA	AB	AC	AD	HD	L			
80M	2,4,6	125	100	50	19	40	6	16	80	10	165	130	200	0	4-Ø12	3.5	34	142	12	165	175	145	220	305			
90S	2,4,6	140	100	56	24	50	8	20	90	10	165	130	200	0	4-Ø12	3.5	36	180	14	180	195	165	260	355			
90L	2,4,6	140	125	56	24	50	8	20	90	10	165	130	200	0	4-Ø12	3.5	36	220	14	180	195	165	260	385			
100L	2,4,6	160	140	63	28	60	8	24	100	12	215	180	250	0	4-Ø14.5	4	40	233	16	205	215	180	270	435			
112M	2,4,6	190	140	70	28	60	8	24	112	12	215	180	250	0	4-Ø14.5	4	45	248	16	230	240	190	300	475			
132S	2,4,6	216	140	89	38	80	10	33	132	12	265	230	300	0	4-Ø14.5	4	55	224	20.5	270	275	210	345	510			
132M	2,4,6	216	178	89	38	80	10	33	132	12	265	230	300	0	4-Ø14.5	4	55	262	20.5	270	275	210	345	560			
160M	2,4,6	254	210	108	42	110	12	37	160	15	300	250	350	0	4-Ø18.5	5	65	304	23	320	330	255	420	670			
160L	2,4,6	254	254	108	42	110	12	37	160	15	300	250	350	0	4-Ø18.5	5	65	334	23	320	330	255	420	700			
180M	2,4,6	279	241	121	48	110	14	43	180	15	300	250	350	0	4-Ø18.5	5	70	349	25	355	380	280	455	740			
180L	2,4,6	279	279	121	48	110	14	43	180	15	300	250	350	0	4-Ø18.5	5	70	397	25	355	380	280	455	790			
200L	2,4,6	318	305	133	55	110	16	49	200	19	350	300	400	0	4-Ø18.5	5	70	369	29	395	420	305	505	790			
225S	4	356	286	149	60	140	18	53	225	19	400	350	450	0	8-Ø18.5	5	75	368	31	435	470	335	560	830			
225M	2	356	311	149	55	110	16	49	225	19	400	350	450	0	8-Ø18.5	5	75	393	31	435	470	335	560	825			
	4,6	356	311	149	60	140	18	53	225	19	400	350	450	0	8-Ø18.5	5	75	393	31	435	470	335	560	855			
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	8-Ø18.5	5	80	445	33	490	510	370	615	915			
	4,6	406	349	168	65	140	18	58	250	24	500	450	550	0	8-Ø18.5	5	80	445	33	490	510	370	615	915			
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	8-Ø18.5	5	85	485	38.5	550	580	410	680	985			
	4,6	457	368	190	75	140	20	68	280	24	500	450	550	0	8-Ø18.5	5	85	485	38.5	550	580	410	680	985			
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0	8-Ø18.5	5	85	536	38.5	550	580	410	680	1035			
	4,6	457	419	190	75	140	20	68	280	24	500	450	550	0	8-Ø18.5	5	85	536	38.5	550	580	410	680	1035			
315S	2	508	406	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	120	570	45	635	645	530	845	1190			
	4,6	508	406	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	120	570	45	635	645	530	845	1190			
315M	2	508	457	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1300			
	4,6	508	457	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1300			
315L	2	508	508	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1300			
	4,6	508	508	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1300			
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	0	8-Ø24	6	130	750	52	730	710	655	1010	1505			
	4,6	610	560	254	95	170	25	86	355	28	740	680	800	0	8-Ø24	6	130	750	52	730	710	655	1010	1545			
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	8-Ø24	6	130	750	52	730	710	655	1010	1505			
	4,6	610	630	254	95	170	25	86	355	28	740	680	800	0	8-Ø24	6	130	750	52	730	710	655	1010	1545			

安装及外形尺寸 Mounting and overall dimensions

V1 立式安装、机座不带底角、端盖有凸缘、轴伸向下

Vertical mounting, frame without foot, end cover with flange, shaft extension downwards



机座 Frame	极数 Pole	安装尺寸 Mounting dimension										外形尺寸 Overall dimension			
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80M	2,4,6	19	40	6	15.5	165	130	200	0	4-Ø12	3.5	175	145	-	350
90S	2,4,6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	165	-	405
90L	2,4,6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	165	-	435
100L	2,4,6	28	60	8	24	215	180	250	0	4-Ø14.5	4	215	180	245	480
112M	2,4,6	28	60	8	24	215	180	250	0	4-Ø14.5	4	240	190	265	515
132S	2,4,6	38	80	10	33	265	230	300	0	4-Ø14.5	4	275	210	315	570
132M	2,4,6	38	80	10	33	265	230	300	0	4-Ø14.5	4	275	210	315	620
160M	2,4,6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	385	750
160L	2,4,6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	385	780
180M	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	500	800
180L	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	500	850
200L	2,4,6	55	110	16	49	350	300	400	0	4-Ø18.5	5	420	305	550	860
225S	4	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	335	610	920
225M	2	55	110	16	49	400	350	450	0	8-Ø18.5	5	470	335	610	915
	4,6	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	335	610	945
250M	2	60	140	18	53	500	450	550	0	8-Ø18.5	5	510	370	650	1020
	4,6	65	140	18	58	500	450	550	0	8-Ø18.5	5	510	370	650	1020
280S	2	65	140	18	58	500	450	550	0	8-Ø18.5	5	580	410	720	1110
	4,6	75	140	20	67.5	500	450	550	0	8-Ø18.5	5	580	410	720	1110
280M	2	65	140	18	58	500	450	550	0	8-Ø18.5	5	580	410	720	1150
	4,6	75	140	20	67.5	500	450	550	0	8-Ø18.5	5	580	410	720	1150
315S	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	1300
	4,6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	1420
315M	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	1330
	4,6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	1450
315L	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	1330
	4,6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	1450
355M	2	75	140	20	67.5	740	680	800	0	8-Ø24	6	710	655	1010	1640
	4,6	95	170	25	86	740	680	800	0	8-Ø24	6	710	655	1010	1670
355L	2	75	140	20	67.5	740	680	800	0	8-Ø24	6	710	655	1010	1640
	4,6	95	170	25	86	740	680	800	0	8-Ø24	6	710	655	1010	1670

注：本产品样本中，所有产品数据参数及图样仅供参考。

Note: In the product sample, all products data, parameters and drawings are just for reference.



YE3 系列超高效率三相异步电动机

YE3 Super High Efficiency Three-phase Induction Motor

YE3 系列高效率三相异步电动机适用于需要节能的连续运行能频繁工作的一般使用场合，如风机、水泵等，符合 GB18613-2012 标准效率值 2 级能效。其外形美观，高效节能，F 级绝缘，防护等级 IP55，电机噪声低、振动小、运行可靠。

The motors are suitable for the places where need continuous running and frequent work, such as ventilator and pumps. They are fulfilled with the grade 2 energy efficiency of GB18613-2012. Their appearance is beautiful, insulation is F, and protection class is IP55. The motors have the features of low noise, small vibration and reliable operation.



电气特性 Electrical characteristics

YE3 系列电动机性能指标 YE3 series performance index

机座号 Frame no	80 ~ 355
功率 Power	0.75 ~ 375kW
工作制 Duty	S1
冷却方式 Cooling method	IC411
同步转速 Synchronous speed	3000、1500、1000r/min
额定电压和频率 Rated voltage and frequency	380V、50Hz
能效等级 Energy Efficiency Index	2 级 (中国 GB18613-2012)、 Grade 2

适用于 Apply to

需要节能的连续运行能频繁工作的一般使用场所。如风机、水泵等。
They are suitable for the places where need energy saving, continuous running and frequent work, such as ventilators and pumps.

特点 Features

其外形美观、高效节能, F 级绝缘, 防护等级为 IP55, 电机噪声低、振动小、运行可靠。
Beautiful appearance, high efficiency, energy saving, F insulation class, IP55 protection class, low noise, small vibration and steady operation.

主要技术数据 Main technical data

型号 Type	功率 Type (kW)	额定电流 Rated current (A)	转速 Speed (r/min)	效率 Efficiency %	功率因数 Power factor	额定转矩 Rated torque (N.m)	堵转转矩 Locked torque	堵转电流 Locked current	最大转矩 Max. Torque	噪声 Noise (A)
							额定转矩 Rated torque	额定电流 Rated current	额定转矩 Rated torque	
同步转速 Synchronous speed 3000 r/min										
YE3-80M1-2	0.75	1.7	2895	80.7	0.82	2.5	2.3	7.0	2.3	62
YE3-80M2-2	1.1	2.4	2890	82.7	0.83	3.7	2.2	7.3	2.3	62
YE3-90S-2	1.5	3.2	2900	84.2	0.84	5.0	2.2	7.6	2.3	67
YE3-90L-2	2.2	4.6	2900	85.9	0.85	7.3	2.2	7.6	2.3	67
YE3-100L-2	3	6.0	2880	87.1	0.87	9.9	2.2	7.8	2.3	74
YE3-112M-2	4	7.8	2915	88.1	0.88	13.1	2.2	8.3	2.3	77
YE3-132S1-2	5.5	10.6	2945	89.2	0.88	17.9	2.0	8.3	2.3	79
YE3-132S2-2	7.5	14.4	2940	90.1	0.88	24.4	2.0	7.9	2.3	79
YE3-160M1-2	11	20.6	2950	91.2	0.89	35.7	2.0	8.1	2.3	81
YE3-160M2-2	15	27.9	2950	91.9	0.89	48.6	2.0	8.1	2.3	81
YE3-160L-2	18.5	34.2	2950	92.4	0.89	60.0	2.0	8.2	2.3	81
YE3-180M-2	22	40.5	2965	92.7	0.89	71.2	2.0	8.2	2.3	83
YE3-200L1-2	30	54.9	2970	93.3	0.89	96.6	2.0	7.6	2.3	84
YE3-200L2-2	37	67.4	2975	93.7	0.89	119	2.0	7.6	2.3	84
YE3-225M-2	45	80.8	2975	94.0	0.90	145	2.0	7.7	2.3	86
YE3-250M-2	55	98.5	2975	94.3	0.90	177	2.0	7.7	2.3	89
YE3-280S-2	75	134	2975	94.7	0.90	241	1.8	7.1	2.3	91
YE3-280M-2	90	160	2975	95.0	0.90	289	1.8	7.1	2.3	91
YE3-315S-2	110	195	2980	95.2	0.90	352	1.8	7.1	2.3	92
YE3-315M-2	132	234	2980	95.4	0.90	422	1.8	7.1	2.3	92
YE3-315L1-2	160	279	2980	95.6	0.91	512	1.8	7.2	2.3	92
YE3-315L2-2	200	349	2980	95.8	0.91	640	1.8	7.2	2.2	92
YE3-355M-2	250	436	2985	95.8	0.91	800	1.6	7.2	2.2	100
YE3-355L-2	315	549	2985	95.8	0.91	1008	1.6	7.2	2.2	100
YE3-3551-2	355	619	2990	95.8	0.91	1130	1.6	7.2	2.2	104
YE3-3552-2	375	654	2985	95.8	0.91	1194	1.6	7.2	2.2	104



主要技术数据

Main technical data

型号 Type	功率 Type (kW)	额定电流 Rated current (A)	转速 Speed (r/min)	效率 Efficiency %	功率因数 Power factor	额定转矩 Rated torque (N.m)	堵转转矩 Locked torque	堵转电流 Locked current	最大转矩 Max. Torque	噪声 Noise (A)
							额定转矩 Rated torque	额定电流 Rated current	额定转矩 Rated torque	
同步转速 Synchronous speed 1500 r/min										
YE2-80M2-4	0.75	1.8	1435	82.5	0.75	5.0	2.3	6.6	2.3	56
YE3-90S-4	1.1	2.6	1440	84.1	0.76	7.3	2.3	6.8	2.3	59
YE3-90L-4	1.5	3.5	1440	85.3	0.77	10.0	2.3	7.0	2.3	59
YE3-100L1-4	2.2	4.8	1440	86.7	0.81	14.6	2.3	7.6	2.3	64
YE3-100L2-4	3	6.3	1440	87.7	0.82	19.9	2.3	7.6	2.3	64
YE3-112M-4	4	8.4	1460	88.6	0.82	26.3	2.2	7.8	2.3	65
YE3-132S-4	5.5	11.2	1475	89.6	0.83	35.9	2.0	7.9	2.3	71
YE3-132M-4	7.5	15.0	1470	90.4	0.84	48.9	2.0	7.5	2.3	71
YE3-160M-4	11	21.5	1475	91.4	0.85	71.5	2.2	7.7	2.3	73
YE3-160L-4	15	28.8	1475	92.1	0.86	97.4	2.2	7.8	2.3	73
YE3-180M-4	18.5	35.3	1480	92.6	0.86	120	2.0	7.8	2.3	76
YE3-180L-4	22	41.8	1480	93.0	0.86	143	2.0	7.8	2.3	76
YE3-200L-4	30	56.6	1485	93.6	0.86	194	2.0	7.3	2.3	76
YE3-225S-4	37	69.6	1485	93.9	0.86	239	2.0	7.4	2.3	78
YE3-225M-4	45	84.4	1485	94.2	0.86	290	2.0	7.4	2.3	78
YE3-250M-4	55	103	1485	94.6	0.86	354	2.2	7.4	2.3	79
YE3-280S-4	75	136	1490	95.0	0.88	481	2.0	6.9	2.3	80
YE3-280M-4	90	163	1490	95.2	0.88	577	2.0	6.9	2.3	80
YE3-315S-4	110	197	1490	95.4	0.89	705	2.0	7.0	2.2	88
YE3-315M-4	132	236	1490	95.6	0.89	846	2.0	7.0	2.2	88
YE3-315L1-4	160	285	1490	95.8	0.89	1026	2.0	7.1	2.2	88
YE3-315L2-4	200	352	1490	96.0	0.90	1282	2.0	7.1	2.2	88
YE3-355M-4	250	440	1490	96.0	0.90	1597	2.0	7.1	2.2	95
YE3-355L-4	315	554	1490	96.0	0.90	2012	2.0	7.1	2.2	95
YE3-3551-4	355	639	1490	96.0	0.88	2260	1.7	7.0	2.2	102
YE3-3552-4	375	675	1490	96.0	0.88	2388	1.7	7.0	2.2	102



主要技术数据 Main technical data

型号 Type	功率 Type (kW)	额定电流 Rated current (A)	转速 Speed (r/min)	效率 Efficiency %	功率因数 Power factor	额定转矩 Rated torque (N.m)	堵转转矩 Locked torque	堵转电流 Locked current	最大转矩 Max. Torque	噪声 Noise (A)
							额定转矩 Rated torque	额定电流 Rated current	额定转矩 Rated torque	
同步转速 Synchronous speed 1000 r/min										
YE3-90S-6	0.75	2.0	960	78.9	0.71	7.6	2.0	6.0	2.1	57
YE3-90L-6	1.1	2.8	960	81.0	0.73	11.1	2.0	6.0	2.1	57
YE3-100L-6	1.5	3.8	960	82.5	0.73	15.1	2.0	6.5	2.1	61
YE3-112M-6	2.2	5.4	970	84.3	0.74	21.8	2.0	6.6	2.1	65
YE3-132S-6	3	7.2	975	85.6	0.74	29.4	2.0	6.8	2.1	69
YE3-132M1-6	4	9.5	975	86.8	0.74	39.2	2.0	6.8	2.1	69
YE3-132M2-6	5.5	12.7	975	88.0	0.75	53.9	2.0	7.0	2.1	69
YE3-160M-6	7.5	16.2	980	89.1	0.79	73.1	2.0	7.0	2.1	73
YE3-160L-6	11	23.1	980	90.3	0.80	107	2.0	7.2	2.1	73
YE3-180L-6	15	30.9	985	91.2	0.81	146	2.0	7.3	2.1	73
YE3-200L1-6	18.5	37.8	985	91.7	0.81	173	2.0	7.3	2.1	73
YE3-200L2-6	22	44.8	985	92.2	0.81	213	2.0	7.4	2.1	73
YE3-225M-6	30	59.1	990	92.9	0.83	291	2.0	6.9	2.1	74
YE3-250M-6	37	71.7	985	93.3	0.84	359	2.0	7.1	2.1	76
YE3-280S-6	45	85.8	990	93.7	0.85	434	2.0	7.3	2.0	78
YE3-280M-6	55	103	990	94.1	0.86	531	2.0	7.3	2.0	78
YE3-315S-6	75	143	990	94.6	0.84	723	2.0	6.6	2.0	83
YE3-315M-6	90	170	990	94.9	0.85	868	2.0	6.7	2.0	83
YE3-315L1-6	110	207	990	95.1	0.85	1061	2.0	6.7	2.0	83
YE3-315L2-6	132	244	990	95.4	0.86	1273	2.0	6.8	2.0	83
YE3-355M1-6	160	296	990	95.6	0.86	1536	1.8	6.8	2.0	85
YE3-355M2-6	200	365	990	95.8	0.87	1920	1.8	6.8	2.0	85
YE3-355L-6	250	456	990	95.8	0.87	2399	1.8	6.8	2.0	85
YE3-3552-6	315	581	990	95.8	0.86	3008	1.8	6.8	2.0	91

常用的安装结构型式 General mounting way

常用的安装结构型式，以及适用的机座号见下表：

General mounting way and suitable frame please see the below table:

机座号 Frame	基本安装结构 Basic mounting way			派生的安装形式 Derivative mounting way											
	B3	B5	B35	V1	V3	V5	V6	B6	B7	B8	V15	V36	B14	B34	V18
80 ~ 112	√	√	√	-	√	√	√	√	√	√	√	√	√	√	√
132 ~ 160	√	√	√	-	√	√	√	√	√	√	√	√	-	-	-
180 ~ 280	√	√	√	√	-	-	-	-	-	-	-	-	-	-	-
315 ~ 355	√	-	√	√	-	-	-	-	-	-	-	-	-	-	-

“√”表示可以制造生产的结构形式，电机订购时，若不作说明的接线盒为上出线（线盒置顶）。

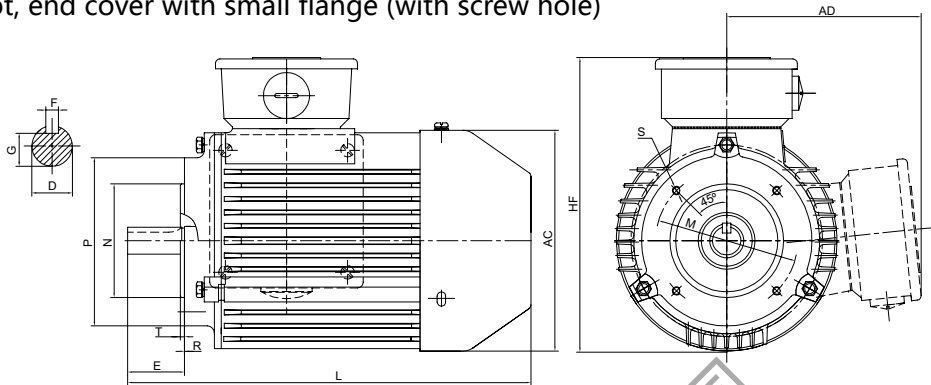
“√” means the mounting way can be produced. When in order, if there is no notice, the connection box is top outlet (on the top of the box).



安装及外形尺寸

Mounting and overall dimensions

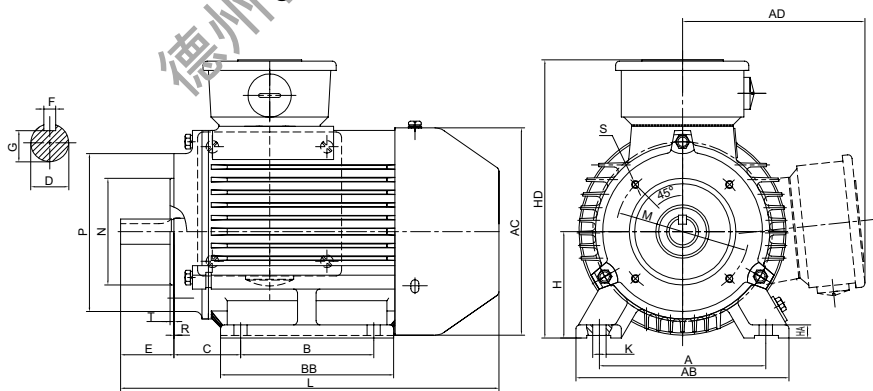
B14 机座无底脚、端盖上有小凸缘（带丝孔）
Frame without foot, end cover with small flange (with screw hole)



机座号Frame size: 80~112

机座 Frame	极数 Pole	安装尺寸 Mounting dimension								外形尺寸 Overall dimension					
		D	E	F	G	M	N	P	S	T	AC	AD	HF	L	
80M	2,4	19	40	6	15.5	100	80	120	0	4-M6	3.0	175	145	-	305
90S	2,4,6	24	50	8	20	115	95	140	0	4-M8	3.0	195	165	-	360
90L	2,4,6	24	50	8	20	115	95	140	0	4-M8	3.0	195	165	-	390
100L	2,4,6	28	60	8	24	130	110	160	0	4-M8	3.5	215	180	245	435
112M	2,4,6	28	60	8	24	130	110	160	0	4-M8	3.5	255	200	265	440

B34 机座带底脚、端盖上有小凸缘（带丝孔）
Frame with foot, end cover with small flange (with screw hole)

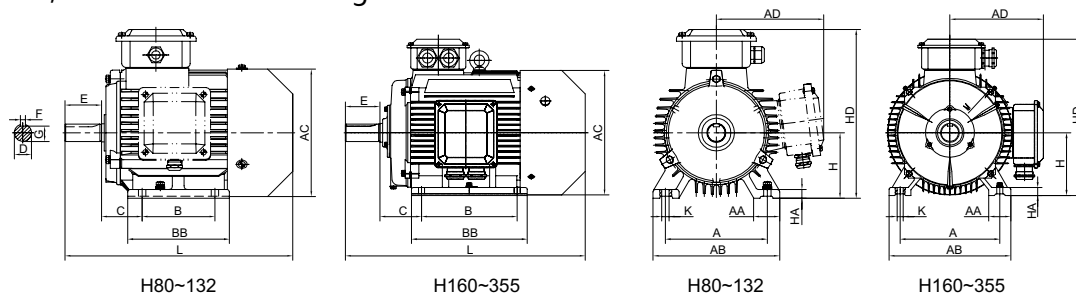


机座号Frame size: 80~112

机座 Frame	极数 Pole	安装尺寸 Mounting dimension														外形尺寸 Overall dimension									
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AA	BB	HA	AB	AC	AD	HD	L	
80M	2,4	125	100	50	19	40	6	15.5	80	10	100	80	120	0	4-M6	3	34	142	10	165	175	145	225	305	
90S	2,4,6	140	100	56	24	50	8	20	90	10	115	95	140	0	4-M8	3	36	180	12	180	195	165	260	360	
90L	2,4,6	140	125	56	24	50	8	20	90	10	115	95	140	0	4-M8	3	36	210	12	180	195	165	260	390	
100L	2,4,6	160	140	63	28	60	8	24	100	12	130	110	160	0	4-M8	3.5	40	233	14	205	215	180	270	435	
112M	2,4,6	190	140	70	28	60	8	24	112	12	130	110	160	0	4-M8	3.5	45	220	15	230	255	200	310	440	

安装及外形尺寸 Mounting and overall dimensions

B3 机座带底脚、端盖无凸缘
Frame with foot, end cover without flange



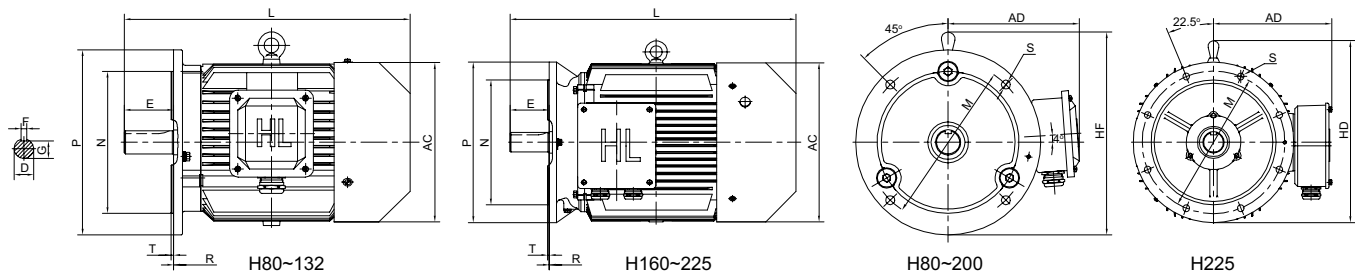
机座	极数	安装尺寸 Mounting dimension									外形尺寸 Overall dimension								
Frame	Pole	A	B	C	D	E	F	G	H	K	AA	BB	HA	AB	AC	AD	HD	L	
80M	2,4	125	100	50	19	40	6	15.5	80	10	34	142	10	165	175	145	220	305	
90S	2,4,6	140	100	56	24	50	8	20	90	10	36	180	12	180	205	170	265	360	
90L	2,4,6	140	125	56	24	50	8	20	90	10	36	210	12	180	205	170	265	390	
100L	2,4,6	160	140	63	28	60	8	24	100	12	40	233	14	205	215	180	270	435	
112M	2,4,6	190	140	70	28	60	8	24	112	12	45	220	15	230	255	200	310	440	
132S	2,4,6	216	140	89	38	80	10	33	132	12	55	226	18	270	310	230	365	510	
132M	2,4,6	216	178	89	38	80	10	33	132	12	55	256	18	270	310	230	365	550	
160M	2,4,6	254	210	108	42	110	12	37	160	14.5	65	315	20	320	340	275	430	670	
160L	2,4,6	254	254	108	42	110	12	37	160	14.5	65	355	20	320	340	275	430	710	
180M	2,4,6	279	241	121	48	110	14	42.5	180	14.5	70	359	22	349	380	280	455	740	
180L	2,4,6	279	279	121	48	110	14	42.5	180	14.5	70	394	22	349	380	280	455	780	
200L	2,4,6	318	305	133	55	110	16	49	200	18.5	70	454	25	388	445	335	535	890	
225S	4	356	286	149	60	140	18	53	225	18.5	75	431	28	435	470	350	575	890	
225M	2	356	311	149	55	110	16	49	225	18.5	75	466	28	435	470	350	575	895	
	4,6	356	311	149	60	140	18	53	225	18.5	75	466	28	435	470	350	575	925	
250M	2	406	349	168	60	140	18	53	250	24	80	515	30	484	535	390	635	990	
	4,6	406	349	168	65	140	18	58	250	24	80	515	30	484	535	390	635	990	
280S	2	457	368	190	65	140	18	58	280	24	85	510	35	550	595	425	705	995	
	4,6	457	368	190	75	140	20	67.5	280	24	85	510	35	550	595	425	705	995	
280M	2	457	419	190	65	140	18	58	280	24	85	550	35	550	595	425	705	1040	
	4,6	457	419	190	75	140	20	67.5	280	24	85	550	35	550	595	425	705	1040	
315S	2	508	406	216	65	140	18	58	315	28	120	570	45	635	645	530	845	1200	
	4,6	508	406	216	80	170	22	71	315	28	120	570	45	635	645	530	845	1200	
315M	2	508	457	216	65	140	18	58	315	28	120	680	45	635	645	530	845	1310	
	4,6	508	457	216	80	170	22	71	315	28	120	680	45	635	645	530	845	1310	
315L	2	508	508	216	65	140	18	58	315	28	120	680	45	635	645	530	845	1310	
	4,6	508	508	216	80	170	22	71	315	28	120	680	45	635	645	530	845	1310	
355M	2	610	560	254	75	140	20	67.5	355	28	116	750	52	730	710	655	1010	1515	
	4,6	610	560	254	95	170	25	86	355	28	116	750	52	730	710	655	1010	1555	
355L	2	610	630	254	75	140	20	67.5	355	28	116	750	52	730	710	655	1010	1515	
	4,6	610	630	254	95	170	25	86	355	28	116	750	52	730	710	655	1010	1555	
355 1/2	2	630	800	224	80	170	22	71	355	35	135	1140	52	760	780	-	1150	1880	
	4	630	800	224	110	210	28	100	355	35	135	1140	52	760	780	-	1150	1910	
3552	6	630	800	224	110	210	28	100	355	35	135	1140	52	760	780	-	1150	1930	



安装及外形尺寸

Mounting and overall dimensions

B5 机座不带底角、端盖有凸缘（带通孔）
Frame without foot, end cover with flange (with through hole)



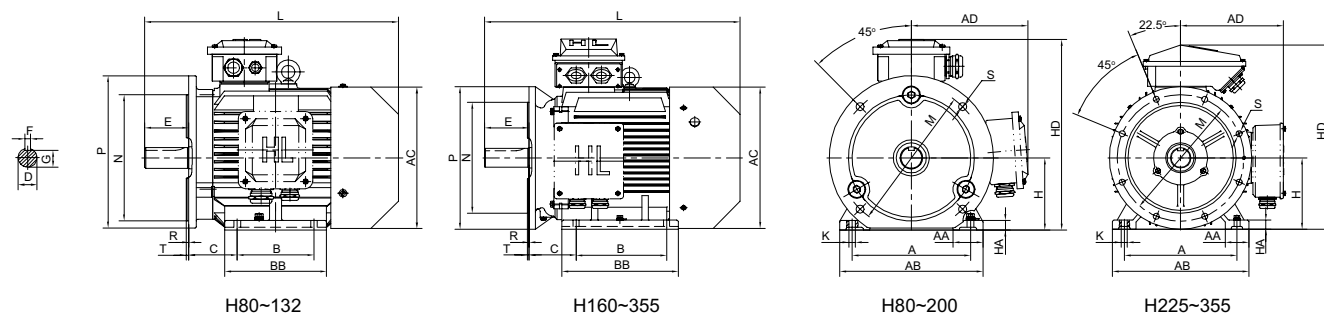
机座 Frame	极数 Pole	安装尺寸 Mounting dimension										外形尺寸 Overall dimension			
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80M	2,4	19	40	6	15.5	165	130	200	0	4-Ø12	3.5	175	145	-	305
90S	2,4,6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	165	-	360
90L	2,4,6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	165	-	390
100L	2,4,6	28	60	8	24	215	180	250	0	4-Ø14.5	4	215	180	240	435
112M	2,4,6	28	60	8	24	215	180	250	0	4-Ø14.5	4	255	200	275	435
132S	2,4,6	38	80	10	33	265	230	300	0	4-Ø14.5	4	310	230	360	510
132M	2,4,6	38	80	10	33	265	230	300	0	4-Ø14.5	4	310	230	360	540
160M	2,4,6	42	110	12	37	300	250	350	0	4-Ø18.5	5	340	275	410	670
160L	2,4,6	42	110	12	37	300	250	350	0	4-Ø18.5	5	340	275	410	710
180M	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	430	740
180L	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	430	780
200L	2,4,6	55	110	16	49	350	300	400	0	4-Ø18.5	5	445	335	490	890
225S	4	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	350	540	890
225M	2	55	110	16	49	400	350	450	0	8-Ø18.5	5	470	350	540	895
	4,6	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	350	540	925



安装及外形尺寸

Mounting and overall dimensions

B35 机座带底角、端盖有凸缘（带通孔）
Frame with foot, end cover with flange (with through hole)



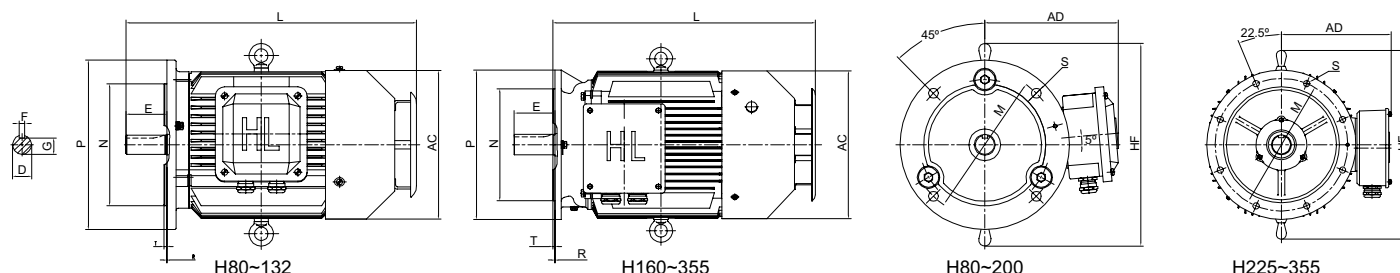
机座	极数	安装尺寸 Mounting dimension														外形尺寸 Overall dimension									
Frame	Pole	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AA	BB	HA	AB	AC	AD	HD	L	
80M	2,4	125	100	50	19	40	6	15.5	80	10	165	130	200	0	4-Ø12	3.5	34	142	10	165	175	145	225	305	
90S	2,4,6	140	100	56	24	50	8	20	90	10	165	130	200	0	4-Ø12	3.5	36	180	12	180	205	170	265	360	
90L	2,4,6	140	125	56	24	50	8	20	90	10	165	130	200	0	4-Ø12	3.5	36	220	12	180	205	170	265	390	
100L	2,4,6	160	140	63	28	60	8	24	100	12	215	180	250	0	4-Ø14.5	4	40	233	14	205	215	180	270	435	
112M	2,4,6	190	140	70	28	60	8	24	112	12	215	180	250	0	4-Ø14.5	4	45	220	15	230	255	200	310	435	
132S	2,4,6	216	140	89	38	80	10	33	132	12	265	230	300	0	4-Ø14.5	4	55	226	18	265	310	230	365	510	
132M	2,4,6	216	178	89	38	80	10	33	132	12	265	230	300	0	4-Ø14.5	4	55	256	18	265	310	230	365	550	
160M	2,4,6	254	210	108	42	110	12	37	160	14.5	300	250	350	0	4-Ø18.5	5	65	315	20	320	340	275	430	670	
160L	2,4,6	254	254	108	42	110	12	37	160	14.5	300	250	350	0	4-Ø18.5	5	65	355	20	320	340	275	430	710	
180M	2,4,6	279	241	121	48	110	14	42.5	180	14.5	300	250	350	0	4-Ø18.5	5	70	359	22	349	380	280	455	740	
180L	2,4,6	279	279	121	48	110	14	42.5	180	14.5	300	250	350	0	4-Ø18.5	5	70	394	22	349	380	280	455	780	
200L	2,4,6	318	305	133	55	110	16	49	200	18.5	350	300	400	0	4-Ø18.5	5	70	454	25	388	445	335	535	890	
225S	4	356	286	149	60	140	18	53	225	18.5	400	350	450	0	8-Ø18.5	5	75	431	28	435	470	350	575	890	
225M	2	356	311	149	55	110	18	49	225	18.5	400	350	450	0	8-Ø18.5	5	75	466	28	435	470	350	575	895	
	4,6	356	311	149	60	140	18	53	225	18.5	400	350	450	0	8-Ø18.5	5	75	466	28	435	470	350	575	925	
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	8-Ø18.5	5	80	515	30	484	535	390	635	990	
	4,6	406	349	168	65	140	18	58	250	24	500	450	550	0	8-Ø18.5	5	80	515	30	484	535	390	635	990	
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	8-Ø18.5	5	85	510	35	550	595	425	705	995	
	4,6	457	368	190	75	140	20	67.5	280	24	500	450	550	0	8-Ø18.5	5	85	510	35	550	595	425	705	995	
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0	8-Ø18.5	5	85	550	35	550	595	425	705	1040	
	4,6	457	419	190	75	140	20	67.5	280	24	500	450	550	0	8-Ø18.5	5	85	550	35	550	595	425	705	1040	
315S	2	508	406	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	120	570	45	635	645	530	845	1200	
	4,6	508	406	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	120	570	45	635	645	530	845	1200	
315M	2	508	457	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1310	
	4,6	508	457	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1310	
315L	2	508	508	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1310	
	4,6	508	508	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	120	680	45	635	645	530	845	1310	
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	0	8-Ø24	6	116	750	52	730	710	655	1010	1515	
	4,6	610	560	254	95	170	25	86	355	28	740	680	800	0	8-Ø24	6	116	750	52	730	710	655	1010	1555	
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	8-Ø24	6	116	750	52	730	710	655	1010	1515	
	4,6	610	630	254	95	170	25	86	355	28	740	680	800	0	8-Ø24	6	116	750	52	730	710	655	1010	1555	
3551	2	630	800	224	80	170	22	71	355	35	840	780	900	0	8-Ø24	6	135	1140	52	760	780	-	1150	1880	
	4	630	800	224	110	210	28	100	355	35	840	780	900	0	8-Ø24	6	135	1140	52	760	780	-	1150	1910	
3552	6	630	800	224	110	210	28	100	355	35	840	780	900	0	8-Ø24	6	135	1140	52	760	780	-	1150	1930	

安装及外形尺寸

Mounting and overall dimensions

V1 机座不带底角、端盖有凸缘

Vertical mounting, frame without foot, end cover with flange



机座 Frame	极数 Pole	安装尺寸 Mounting dimension										外形尺寸 Overall dimension			
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80M	2,4,6	19	40	6	15.5	165	130	200	0	4-Ø12	3.5	175	145	-	345
90S	2,4,6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	165	-	400
90L	2,4,6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	165	-	430
100L	2,4,6	28	60	8	24	215	180	250	0	4-Ø14.5	4	215	180	245	475
112M	2,4,6	28	60	8	24	215	180	250	0	4-Ø14.5	4	240	190	265	510
132S	2,4,6	38	80	10	33	265	230	300	0	4-Ø14.5	4	275	210	315	510
132M	2,4,6	38	80	10	33	265	230	300	0	4-Ø14.5	4	275	210	315	560
160M	2,4,6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	385	730
160L	2,4,6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	385	760
180M	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	500	800
180L	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	500	850
200L	2,4,6	55	110	16	49	350	300	400	0	4-Ø18.5	5	420	305	550	860
225S	4	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	335	610	920
225M	2	55	110	16	43	400	350	450	0	8-Ø18.5	5	470	335	610	915
	4,6	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	335	610	945
250M	2	60	140	18	53	500	450	550	0	8-Ø18.5	5	510	370	650	1020
	4,6	65	140	18	58	500	450	550	0	8-Ø18.5	5	510	370	650	1020
280S	2	65	140	18	58	500	450	550	0	8-Ø18.5	5	580	410	720	1110
	4,6	75	140	20	67.5	500	450	550	0	8-Ø18.5	5	580	410	720	1110
280M	2	65	140	18	58	500	450	550	0	8-Ø18.5	5	580	410	720	1150
	4,6	75	140	20	67.5	500	450	550	0	8-Ø18.5	5	580	410	720	1150
315S	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	1300
	4,6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	1420
315M	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	1330
	4,6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	1450
315L	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	1330
	4,6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	1450
355M	2	75	140	20	67.5	740	680	800	0	8-Ø24	6	710	655	1010	1640
	4,6	95	170	25	86	740	680	800	0	8-Ø24	6	710	655	1010	1670
355L	2	75	140	20	67.5	740	680	800	0	8-Ø24	6	710	655	1010	1640
	4,6	95	170	25	86	740	680	800	0	8-Ø24	6	710	655	1010	1670

注：本产品样本中，所有产品数据参数及图样仅供参考。

Note: In the product sample, all products data, parameters and drawings are just for reference.



YD 系列变极多速三相异步电动机

YD Series Pole-changing Multi-speed Three-phase Induction Motor

YD 系列变极多速三相异步电动机是 Y 系列三相异步电动机的派生系列，该类电机具有可随负载性质的要求而有级地变化转速，从而达到功率的合理匹配和简化多速系统的特点。具有效率高、节能、起动转矩大、性能好、噪声低振动小等优点。广泛应用于机床、矿山、冶金、纺织、印染、化工、农机、建筑等机械的拖动。

The motors are deriving series of Y series three - phase induction motors. They are able to change their poles and rotation speeds according to various loadings, so as to go match with the powers and to simplify speed-changing system. They have the features of high efficiency, energy-saving, big starting torque, low noise and small vibration. They have been widely used in the fields of machine tools, mines, metallurgy, textiles, printing and dyeing, chemical industry, farming machines, and construction machines as dragging power.



电气特性

Electrical characteristics

工作环境条件 Operating Conditions

环境温度 Temperature of Ambient air	-15°C ~ 40°C
海拔 Altitude	不超过 less than 1000m
相对湿度 Relative humidity	≤ 90%
额定频率 Rated frequency	50Hz
额定电压 Rated voltage	380V
防护等级 Protection class	IP44
工作方式 Duty	连续 continuous S1
安装形式及安装尺寸 Mounting way and dimensions	与 Y 系列电动机相同 as same as Y series motors

主要技术数据

Main technical data

型号 Type	功率 Power (kW)	电流 Current (A)	转速 Speed (r/min)	接线方法 Connection way	型号 Type	功率 Power (kW)	电流 Current (A)	转速 Speed (r/min)	接线方法 Connection way
YD801-4/2	0.45/0.55	1.4/1.5	1420/2860	△ /YY	YD160L-6/4	9/11	20.6/23.7	965/1465	△ /YY
YD802-4/2	0.55/0.75	1.7/2.0	1420/2860	△ /YY	YD160L-8/4	7/11	19.0/21.8	730/1455	△ /YY
YD90S-4/2	0.85/1.1	2.3/2.8	1415/2845	△ /YY	YD160L-8/6	6/8	17.5/19.4	730/980	△ /YY
YD90L-4/2	1.3/1.8	3.3/4.4	1410/2835	△ /YY	YD160L-12/6	3.7/7	16.1/15.8	485/975	△ /YY
YD90S-6/4	0.65/0.85	2.3/2.3	920/1840	△ /YY	YD160L-6/4/2	4.5/7/9	11.4/15.1/18.8	980/1470/2940	Y/ △ /YY
YD90L-6/4	0.85/1.1	2.8/3.0	925/1850	△ /YY	YD160L-8/4/2	2.8/7/9	9.2/15.1/18.8	730/1470/2940	Y/ △ /YY
YD90L-8/4	0.45/0.75	1.9/1.9	670/1390	△ /YY	YD160L-8/6/4	4.5/6/7.5	13.8/14.5/15.6	735/980/1460	△ /Y/YY
YD90S-8/6	0.35/0.45	1.6/1.4	675/930	△ /YY	YD180M-6/4	4.5/14	17.5/32	984/1479	△ /YY
YD90L-8/6	0.45/0.65	1.9/1.8	680/920	△ /YY	YD180M-8/6	4.5/10	21/24.5	736/984	△ /YY
YD100L1-4/2	2/2.4	4.8/5.6	1435/2855	△ /YY	YD180M-8/6	5.5/10	22.1/24.5	736/984	△ /YY
YD100L2-4/2	2.4/3	5.6/6.7	1430/2855	△ /YY	YD180L-6/4	6.5/13	19.3/30.5	984/1479	△ /YY
YD100L1-6/4	1.3/1.8	3.8/4.4	940/1440	△ /YY	YD180L-6/4	4.5/15	17.5/33.5	984/1479	△ /YY
YD100L2-6/4	1.5/2.2	4.3/5.4	945/1435	△ /YY	YD180L-6/4	13/16	28.6/35.5	984/1479	△ /YY
YD100L-8/4	0.85/1.5	3.1/3.5	710/1415	△ /YY	YD180L-6/4	14/16	30/35.5	984/1479	△ /YY
YD100L-8/6	0.75/1.1	2.9/3.1	710/950	△ /YY	YD180L-6/4	5.5/17	18.3/36.8	984/1479	△ /YY
YD100L-6/4/2	0.75/1.3/1.8	2.6/3.7/4.5	950/1450/2905	Y/ △ /YY	YD180L-6/4	5/19.5	17.8/43	984/1479	△ /YY
YD112M-4/2	3.3/4	7.4/8.6	1460/2960	△ /YY	YD180L-8/4	11/17	30/32	725/1460	△ /YY
YD112M-6/4	2.2/2.8	5.7/6.7	945/1450	△ /YY	YD180L-8/4	5.5/19	23/36	725/1460	△ /YY
YD112M-8/4	1.5/2.4	5.0/5.3	690/1445	△ /YY	YD180L-8/6	2.5/12	22.1/27.5	725/1460	△ /YY
YD112M-8/6	1.3/1.8	4.5/4.8	695/950	△ /YY	YD200L-4/2	26/30	49.9/58.3	1470/2950	△ /YY
YD112M-6/4/2	1.1/2/2.4	3.5/5.1/5.8	960/1465/2975	Y/ △ /YY	YD200L-6/4	8/24	24/48.2	980/1460	△ /YY
YD112M-8/4/2	0.65/2/2.4	2.7/5.1/5.8	685/1465/2975	Y/ △ /YY	YD200L-6/4	18.5/22	41.4/44.9	980/1460	△ /YY
YD112M-8/6/4	0.85/1/1.5	3.7/3.1/3.5	700/950/1460	△ /Y/YY	YD200L-6/4	12/20	27.5/40.5	980/1460	△ /YY



主要技术数据 Main technical data

型号 Type	功率 Power (kW)	电流 Current (A)	转速 Speed (r/min)	接线方法 Connection way	型号 Type	功率 Power (kW)	电流 Current (A)	转速 Speed (r/min)	接线方法 Connection way
YD132S-4/2	4.5/5.5	9.8/11.9	1470/2957	△ /YY	YD200L-6/4	5/19	20/39	980/1460	△ /YY
YD132S-6/4	3/4	7.7/9.5	965/1470	△ /YY	YD200L-6/4	11/18.5	26/38.5	980/1460	△ /YY
YD132S-8/4	2.2/3.3	7.0/7.1	715/1465	△ /YY	YD200L-6/4	12/17	27.3/34	980/1460	△ /YY
YD132S-8/6	1.8/2.4	5.8/6.2	715/970	△ /YY	YD200L1-8/6	8/17	24/40	730/976	△ /YY
YD132S-6/4/2	1.8/2.6/3	5.1/6.1/7.4	970/1475/2970	Y/ △ /YY	YD200L2-8/6	11/22	30/47	730/976	△ /YY
YD132S-8/4/2	1/2.6/3	3.5/5.9/7.0	710/1475/2970	Y/ △ /YY	YD200L2-8/6	15/20	31/43	730/976	△ /YY
YD132S-8/6/4	1.1/1.5/1.8	4.1/4.2/4.0	720/970/1470	△ /Y/YY	YD200L2-8/6	10/20	28.5/43	730/976	△ /YY
YD132M-4/2	6.5/8	13.8/17.1	1470/2960	△ /YY	YD200L-8/6/4	10/13/17	27.2/34/40	740/980/1470	Y/ △ /YY
YD132M-6/4	4/5.5	9.8/12.3	960/1470	△ /YY	YD225S-6/4	22/28	43.5/53.1	984/1479	△ /YY
YD132M-8/4	3/4.5	9.0/9.4	715/1465	△ /YY	YD225S-8/6/4	14/18.5/24	35/40/48	740/990/1480	△ /Y/YY
YD132M-8/6	2.6/3.7	5.8/6.2	715/970	△ /YY	YD225M-6/4	35/32	51.5/60.5	985/1475	△ /YY
YD132M1-6/4/2	2.2/3.3/4	6.0/7.5/8.8	970/1470/2970	Y/ △ /YY	YD225M-8/4	24/34	52.5/66.7	734/1469	△ /YY
YD132M2-6/4/2	2.6/4/5	6.9/9.0/10.8	970/1475/2960	Y/ △ /YY	YD225M-8/6	12/25	34/50	739/979	△ /YY
YD132M-8/4/2	1.3/3.7/4.5	4.6/8.4/10.0	710/1475/2970	Y/ △ /YY	YD225M-8/6	15/22	34/48	739/979	△ /YY
YD132M1-8/6/4	1.5/2/2.2	5.2/5.4/4.9	720/975/1470	△ /Y/YY	YD225M-12/6	7.5/22	20/44	480/980	Y/YY
YD132M2-8/6/4	1.8/2.6/3	6.1/6.8/6.5	720/975/1470	△ /Y/YY	YD225M-12/6	4.4/22	14.8/44	480/980	Y/YY
YD160M-4/2	9/11	18.5/22.9	1460/2920	△ /YY	YD250M-6/4	32/42	62/80	989/1482	△ /YY
YD160M-6/4	6.5/8	15.1/17.4	965/1460	△ /YY	YD250M-8/6	15/30	35/56	742/983	△ /YY
YD160M-8/4	5/7.5	13.9/15.2	730/1450	△ /YY	YD280S-8/6	20/37	48/69.5	720/970	△ /YY
YD160M-8/6	4.5/6	13.3/14.7	730/975	△ /YY	YD280S-8/6	18/37	43/69.5	743/970	△ /YY
YD160M-6/12	2.6/5	11.6/11.9	485/975	△ /YY	YD280M1-8/6	22/40	56/77	744/983	△ /YY
YD160M-6/4/2	3.7/5/6	9.5/11.2/13.2	975/1475/2945	Y/ △ /YY	YD280M1-8/6	22/45	56/87	744/983	△ /YY
YD160M-8/4/2	2.2/5/6	7.6/11.2/13.2	730/1475/2945	Y/ △ /YY	YD280M2-8/6	27/55	65/108	744/983	△ /YY
YD160M-8/6/4	3.3/4/5.5	10.2/9.9/11.6	735/980/1460	△ /Y/YY	YD280M-10/8	22/35	60/80	593/939	Y/Y
YD160L-4/2	11/14	22.3/28.8	1455/2925	△ /YY					

安装及外形尺寸

Mounting and overall dimensions

B3 型 Type

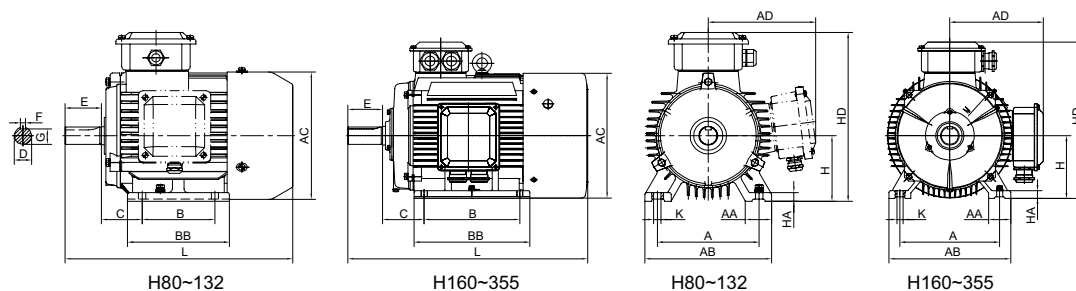


表 Table 1

机座号 Frame	A	B	C	D	E	F	G	H	K	AA	AB	AC	AD	HA	HD	L
80	125	100	50	19	40	6	15.5	80	10	165	165	165	160	12	205	290
90S	140	100	56	24	50	8	20	90	10	180	180	180	175	14	225	320
90L	140	125	56	24	50	8	20	90	10	180	180	180	175	14	225	350
100L	160	140	63	28	60	8	24	100	12	205	205	205	185	16	250	385
112M	190	140	70	28	60	8	24	112	12	245	230	230	195	18	270	405
132S	216	140	89	38	80	10	33	132	12	280	270	270	245	20	320	480
132M	216	178	89	38	80	10	33	132	12	280	270	270	245	20	320	520
160M	254	210	108	42	110	12	37	160	15	330	325	325	270	22	385	605
160L	254	254	108	42	110	12	37	160	15	330	325	325	270	22	385	650
180M	279	241	121	48	110	14	42.5	180	15	355	360	360	290	24	425	670
180L	279	279	121	48	110	14	42.5	180	15	355	360	360	290	24	425	710
200L	318	305	133	55	140	16	49	200	19	395	400	400	355	28	475	780
225S	356	286	149	60	140	18	53	225	19	435	450	450	370	30	530	825
225M	356	311	149	60	140	18	53	225	19	435	450	450	370	30	530	820/850
250M	406	349	168	65	140	18	58	250	24	490	495	495	455	32	570	935
280S	457	368	190	75	140	20	67.5	280	24	550	550	550	470	38	640	1020
280M	457	419	190	75	140	20	67.5	280	24	550	550	550	470	38	640	1070



安装及外形尺寸

Mounting and overall dimensions

B5 型 Type

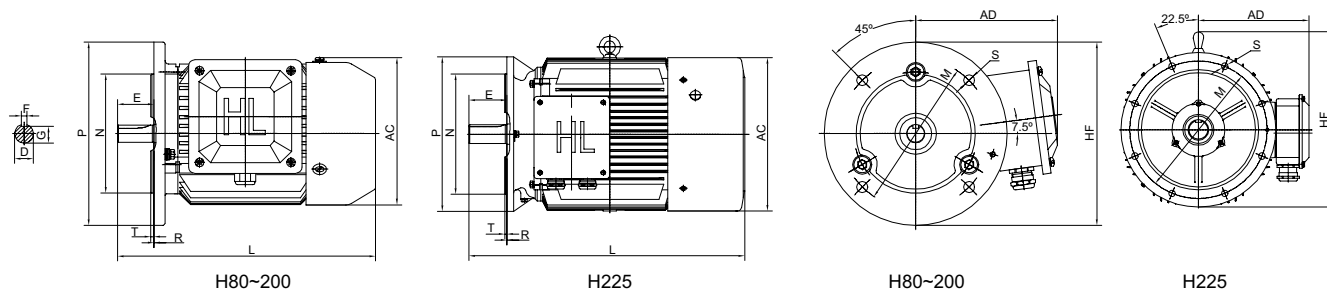


表 Table 2

机座号 Frame	D	E	F	G	M	N	P	S	T	n	AC	AD	HF	LA	L
80	19	40	6	15.5	165	130	200	12	3.5	4	165	160	230	12	290
90S	24	50	8	20	165	130	200	12	5.5	4	180	175	235	12	320
90L	24	50	8	20	165	130	200	12	3.5	4	180	175	235	12	345
100L	28	60	8	24	215	180	250	15	4	4	205	185	275	14	385
112M	28	60	8	24	215	180	250	15	4	4	230	195	285	14	405
132S	38	80	10	33	265	230	300	15	4	4	270	245	340	18	480
132M	38	80	10	33	265	230	300	15	4	4	270	245	340	18	520
160M	42	110	12	37	300	250	350	19	5	4	325	270	400	18	605
160L	42	110	12	37	300	250	350	19	5	4	325	270	400	18	650
180M	48	110	14	42.5	300	250	350	19	5	4	360	290	420	18	670
180L	48	110	14	42.5	300	250	350	19	5	4	360	290	420	18	705
200L	55	110	16	49	350	300	400	19	5	4	400	355	470	18	780
225S	60	140	18	53	400	350	450	19	5	8	450	370	530	20	825
225M	60	140	18	53	400	350	450	19	5	8	450	370	530	20	820/850



安装及外形尺寸

Mounting and overall dimensions

B35 型 Type

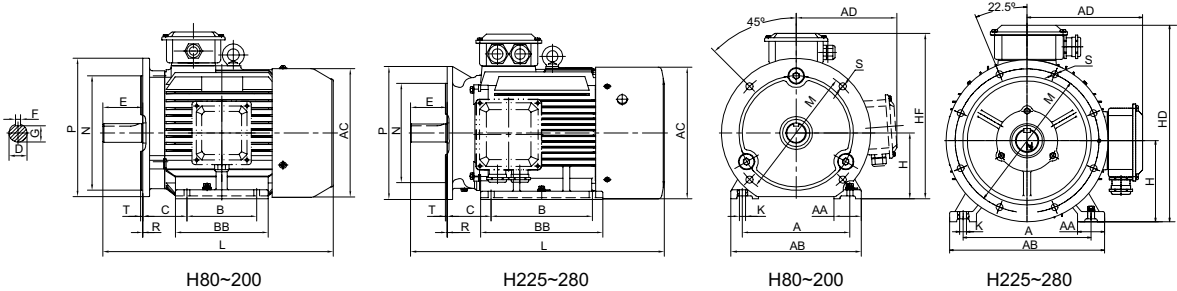


表 Table 3

机座号 Frame	A	B	C	D	E	F	G	H	K	M	N	P	S	T	n	AB	AC	AD	HA	HD	L
80	125	100	50	19	40	6	15.5	80	10	165	130	200	12	3.5	4	165	165	160	12	205	290
90S	140	100	56	24	50	8	20	90	10	165	130	200	12	3.5	4	180	180	175	14	225	320
90L	140	125	56	24	50	8	20	90	10	165	130	200	12	3.5	4	180	180	175	14	225	350
100L	160	140	63	28	60	8	24	100	12	215	180	250	15	4	4	205	205	185	16	250	385
112M	190	140	70	28	60	8	24	112	12	215	180	250	15	4	4	245	230	195	18	270	405
132S	216	140	89	38	80	10	33	132	12	265	230	300	15	4	4	280	270	245	20	320	480
132M	216	178	89	38	80	10	33	132	12	265	230	300	15	4	4	280	270	245	20	320	520
160M	254	210	108	42	110	12	37	160	15	300	250	350	19	5	4	330	325	270	22	385	605
160L	254	254	108	42	110	12	37	160	15	300	250	350	19	5	4	330	325	270	22	385	650
180M	279	241	121	48	110	14	42.5	180	15	300	250	350	19	5	4	355	360	290	24	425	670
180L	279	279	121	48	110	14	42.5	180	15	300	250	350	19	5	4	355	360	290	24	425	710
200L	318	305	133	55	110	16	49	200	19	350	300	400	19	5	4	395	400	355	28	475	780
225S	356	286	149	60	140	18	53	225	19	400	350	450	19	5	8	435	450	370	30	530	825
225M	356	311	149	60	140	18	53	225	19	400	350	450	19	5	8	435	450	370	30	530	820/850
250M	406	349	168	65	140	18	58	250	24	500	450	550	19	5	8	495	495	455	32	570	935
280S	457	368	190	75	140	20	67.5	280	24	500	450	550	19	5	8	550	550	470	38	640	1020
280M	457	419	190	75	140	20	67.5	280	24	500	450	550	19	5	8	550	550	470	38	640	1070

安装及外形尺寸 Mounting and overall dimensions

V1 型 Type

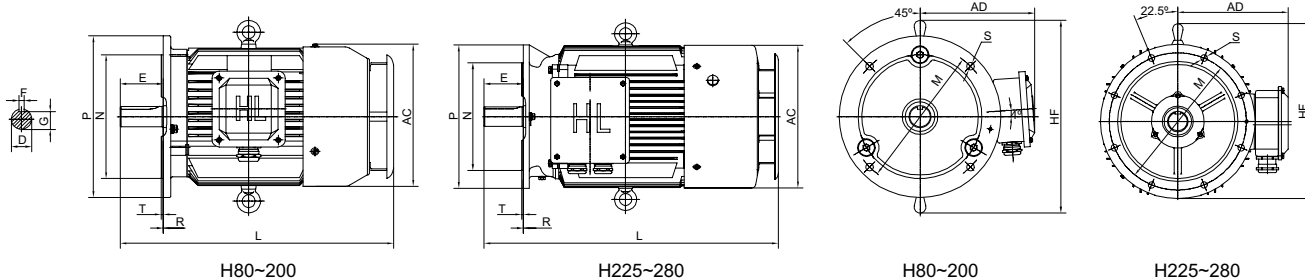


表 Table 4

机座号 Frame	D	E	F	G	M	N	P	S	T	n	AC	AD	HF	LA	L
80	19	40	6	15.5	165	130	200	12	3.5	4	165	165	260	12	335
90S	24	50	8	20	165	130	200	12	3.5	4	180	180	270	12	365
90L	24	50	8	20	165	130	200	12	3.5	4	180	180	270	12	400
100L	28	60	8	24	215	180	250	15	4	4	205	195	300	14	430
112M	28	60	8	24	215	180	250	15	4	4	230	205	320	14	450
132S	38	80	10	33	265	230	300	15	4	4	270	265	380	18	535
132M	38	80	10	33	265	230	300	15	4	4	270	265	380	18	575
160M	42	110	12	37	300	250	350	19	5	4	325	270	450	18	660
160L	42	110	12	37	300	250	350	19	5	4	325	270	450	18	705
180M	48	110	14	42.5	300	250	350	19	5	4	360	290	490	18	730
180L	48	110	14	42.5	300	250	350	19	5	4	360	290	490	18	765
200L	55	110	16	49	350	300	400	19	5	4	400	355	550	18	840
225S	60	140	18	53	400	350	450	19	5	8	450	370	610	20	890
225M	60	140	18	53	400	350	450	19	5	8	450	370	610	20	880/915
250M	65	140	18	58	500	450	550	19	5	8	495	455	640	22	995
280S	75	140	20	67.5	500	450	550	19	5	8	550	470	720	22	1090
280M	75	140	20	67.5	500	450	550	19	5	8	550	470	720	22	1140

注：本产品样本中，所有产品数据参数及图样仅供参考。

Note: In the product sample, all products data, parameters and drawings are just for reference.



YT 系列轴流风机用三相异步电动机

YT Series Three-phase Induction Motor for Axial Ventilator

YT 系列轴流风机用三相异步电动机为全封闭、鼠笼型电动机，具有高效、节能、起动转矩大、性能好、噪声低等优点。

The motors are totally enclosed, squirrel cage three phase induction motor. They have the advantages of high efficiency, energy saving, big starting torque, good performance and low noise.



电气特性 Electrical characteristics

工作环境条件 Operating Conditions

环境温度 Ambient temperature	-15°C ~ 45°C
海拔 Altitude	不超过 less than 1000m
额定频率 Rated frequency	50Hz
额定电压 Rated voltage	380V
接线方法 Connection method	3kW 及 3kW 以下为 Y, 其他功率为 [△] 3KW and below is Y, the others are [△]
工作方式 Duty	连续 continuous S1

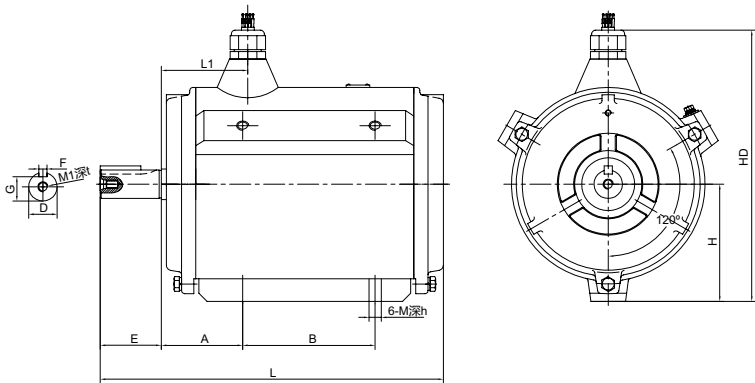
主要技术数据 Main technical data

型号 Type	功率 Power (kW)	电流 Current (A)	转速 Speed (r/min)	型号 Type	功率 Power (kW)	电流 Current (A)	转速 Speed (r/min)
YT80M1-2	0.75	1.8	2825	YT112M-4	4	8.8	1440
YT80M2-2	1.1	2.5	2825	YT132S-4	5.5	11.6	1440
YT90S-2	1.5	3.4	2840	YT132M-4	7.5	15.4	1440
YT90L-2	2.2	4.7	2840	YT80M1-6	0.37	1.3	890
YT100L-2	3.0	6.4	2880	YT80M2-6	0.55	1.7	890
YT112M-2	4.0	8.2	2890	YT90S-6	0.75	2.3	910
YT132S1-2	5.5	11.1	2900	YT90L-6	1.1	3.2	910
YT132S2-2	7.5	15.0	2900	YT100L-6	1.5	4.0	940
YT80M1-4	0.55	1.5	1390	YT112M-6	2.2	5.6	940
YT80M2-4	0.75	2.0	1390	YT132S-6	3.0	7.2	960
YT90S-4	1.1	2.7	1400	YT132M1-6	4.0	9.4	960
YT90L-4	1.5	3.7	1400	YT132M2-6	5.5	12.6	960
YT100L1-4	2.2	5.0	1420	YT132S-8	2.2	5.8	710
YT100L2-4	3	6.8	1420	YT132M-8	3.0	7.7	710



安装及外形尺寸

Mounting and overall dimensions



机座号 Frame	A	B	D	E	F	G	H	L1	M 深 depth h	M1 深 depth t	L	HD
80	61	83	19	40	6	15.5	86	48	M8 深 depth 15	M6 深 depth 15	250	200
90S	60	86	24	50	8	20	100	55	M12 深 depth 18	M8 深 depth 15	270	230
90L	60	115	24	50	8	20	100	55	M12 深 depth 18	M8 深 depth 15	295	230
100L	73	130	28	60	8	24	105	80	M12 深 depth 15	M10 深 depth 15	330	250
112M	80	130	28	60	8	24	115	85	M12 深 depth 15	M10 深 depth 20	340	275
132S	100	130	38	80	10	33	135	105	M14 深 depth 18	M12 深 depth 20	400	315
132M	100	168	38	80	10	33	135	105	M14 深 depth 18	M12 深 depth 20	440	315

注：本产品样本中，所有产品数据参数及图样仅供参考。
Note: In the product sample, all products data, parameters and drawings are just for reference.



YB3 系列隔爆型三相异步电动机

YB3 Series Flameproof Three-phase Induction Motor

YB3 系列隔爆型三相异步电动机是 YB2 系列的更新设计，该产品的性能达到国际同类产品的先进水平。电动机具有高效、节能、堵转转矩高、噪声低、振动小、运行安全可靠、外观美观等特点。其功率等级，安装尺寸及其对应关系符合国际电工委员会（IEC）标准。

The motors are renewable types of YB2 series; the performances of the motors are reaching the international advanced level of same types products.

The motors have the features of high efficiency, energy saving, high locked torque, low noise, small vibration, safe and reliable operation and beautiful appearance. Their power classes, mounting dimensions and relative relations are meeting with the IEC standard.



电气特性

Electrical characteristics

环境条件 Operation conditions	
环境温度 Ambient temperature	-15℃ ~35℃ (煤矿井下) 或 -15℃ ~40℃ (工厂) -15℃ ~35℃ (under coal mining) or -15℃ ~40℃ (factory)
海拔 Altitude	不超过 not more than 1000m

注：当环境空气温度、海拔与上述规定不同时按 GB755 的规定。
Note: If the ambient temperature and altitude are different with the above regulations, following the GB755 regulation.

环境空气最大相对湿度不超过 95%(当温度为 25℃)(煤矿井下) ,最湿月月平均最高相对湿度为 90% ,同时该月月平均最低温度不高于 25℃(工厂)。煤矿井下 (非采煤工作面) 及工厂具有引燃温度组别为 T1~T4 组的可燃性气体或蒸汽与空气形成的爆炸性混合物场所。
The max relative humid of ambient air is not more than 95% (When the temperature is 25℃) (under coal mining),the highest relative humid of the most humid month is 90%, at the same time, the average lowest temperature of the month is not higher than 25℃ (factory), under coal mining (coal mining working face) and factory with T1-T4 easy ignition air or steam and air formed explosive mixture place.

额定频率 Rated frequency	50Hz
额定电压 Rated voltage	380V、660V、380/660V

注：对频率、电压、环境空气温度、海拔等有特殊要求时订货时提出。
Note: Special requirements for frequency, voltage, ambient temperature and altitude must state before making an order.

型号命名

Type name

电动机的型号由字母和数字组成。
The type consists of several letters and digits.





主要技术数据

Main technical data

2 极 Pole

型号 Type	功率 Power (kW)	转速 Speed (r/min)	电流 Current (A)		效率 Efficiency η%	功率因数 Power factor cosφ	堵转转矩 Locked torque	堵转电流 Locked current	最大转矩 Max. torque	噪声 Noise (A)	重量 Weight (kg)
			380V	660V			额定转矩 Rated torque	额定电流 Rated current	额定转矩 Rated torque	空载 No load	
同步转速 3000 转 / 分 (2 极) Synchronous speed 3000 r/min (2 pole)											
YB3-63M1-2	0.18	2720	0.52	-	65.0	0.80	2.3	5.5	2.2	61	15
YB3-63M2-2	0.25	2720	0.69	-	68.0	0.81	2.3	5.5	2.2	61	16
YB3-71M1-2	0.37	2760	0.99	-	69.0	0.81	2.3	6.1	2.2	64	18
YB3-71M2-2	0.55	2760	1.38	-	74.0	0.82	2.3	6.1	2.2	64	19
YB3-80M1-2	0.75	2880	1.77	-	77.5	0.83	2.3	6.8	2.3	67	25
YB3-80M2-2	1.1	2880	2.53	-	82.8	0.83	2.3	7.3	2.3	67	26
YB3-90S-2	1.5	2900	3.22	-	84.1	0.84	2.3	7.6	2.3	72	30
YB3-90L-2	2.2	2890	4.58	-	85.6	0.85	2.3	7.8	2.3	72	34
YB3-100L-2	3.0	2890	6.04	-	86.7	0.85	2.3	8.1	2.3	76	46
YB3-112M-2	4.0	2910	7.9	4.6	87.6	0.85	2.3	8.3	2.3	77	57
YB3-132S1-2	5.5	2920	10.7	6.2	88.6	0.88	2.2	8	2.3	80	80
YB3-132S2-2	7.5	2920	14.3	8.3	89.5	0.89	2.2	7.8	2.3	80	83
YB3-160M1-2	11	2942	20.8	12.0	90.5	0.89	2.2	7.9	2.3	86	112
YB3-160M2-2	15	2942	28.1	16.2	91.3	0.89	2.2	8	2.3	86	128
YB3-160L-2	18.5	2942	34.5	19.8	91.8	0.89	2.2	8.1	2.3	86	158
YB3-180M-2	22	2960	40.8	23.5	92.2	0.89	2.2	8.2	2.3	88	200
YB3-200L1-2	30	2950	55.1	31.8	92.9	0.89	2.2	7.5	2.3	90	258
YB3-200L2-2	37	2950	67.7	39.1	93.3	0.89	2.2	7.5	2.3	90	273
YB3-225M-2	45	2965	82.0	47.2	93.7	0.89	2.2	7.6	2.3	92	339
YB3-250M-2	55	2970	100	58	94.0	0.89	2.2	7.6	2.3	93	455
YB3-280S-2	75	2970	136	78	94.6	0.89	2	6.9	2.3	94	633
YB3-280M-2	90	2970	162	94	95.0	0.89	2	7	2.3	94	634
YB3-315S-2	110	2975	195	113	95.0	0.90	2	7.1	2.2	96	1000
YB3-315M-2	132	2975	234	134	95.4	0.90	2	7.1	2.2	96	1200
YB3-315L1-2	160	2975	280	161	95.4	0.91	2	7.1	2.2	98	1170
YB3-315L2-2	200	2975	350	202	95.4	0.91	2	7.1	2.2	98	1230
YB3-355S1-2	185	2980	323.4	186.9	95.4	0.91	2	7.1	2.2	98	1560
YB3-355S2-2	200	2980	345.8	199.9	95.4	0.91	2	7.1	2.2	98	1560
YB3-355M1-2	220	2980	380.4	219.9	95.4	0.91	2	7.1	2.2	100	1765
YB3-355M2-2	250	2980	430.5	248.8	95.8	0.91	2	7.1	2.2	100	1765
YB3-355L1-2	280	2980	482.0	278.6	95.8	0.91	2	7.1	2.2	100	1900
YB3-355L2-2	315	2980	542.3	313.5	95.8	0.91	2	7.1	2.2	100	1900



主要技术数据

Main technical data

4 极 Pole

型号 Type	功率 Power (kW)	转速 Speed (r/min)	电流 Current (A)		效率 Efficiency η%	功率因数 Power factor cosφ	堵转转矩 Locked torque	堵转电流 Locked current	最大转矩 Max. torque	噪声 Noise (A)	重量 Weight (kg)
			380V	660V			额定转矩 Rated torque	额定电流 Rated current	额定转矩 Rated torque	空载 No load	
同步转速 1500 转 / 分 (4 极) Synchronous speed 1500 r/min (4 pole)											
YB3-63M1-4	0.12	1340	0.44	-	57.0	0.72	2.3	4.4	2.2	52	15
YB3-63M2-4	0.18	1340	0.59	-	60.0	0.73	2.3	4.4	2.2	52	16
YB3-71M1-4	0.25	1350	0.78	-	65.0	0.74	2.3	5.2	2.2	55	18
YB3-71M2-4	0.37	1350	1.08	-	67.0	0.75	2.3	5.2	2.2	55	19
YB3-80M1-4	0.55	1435	1.42	-	80.7	0.75	2.3	6.3	2.3	58	25
YB3-80M2-4	0.75	1435	1.91	-	82.3	0.75	2.3	6.5	2.3	58	26
YB3-90S-4	1.1	1435	2.65	-	83.8	0.75	2.3	6.6	2.3	61	30
YB3-90L-4	1.5	1440	3.57	-	85.0	0.75	2.3	6.9	2.3	61	34
YB3-100L1-4	2.2	1450	4.78	-	86.4	0.81	2.3	7.5	2.3	64	44
YB3-100L2-4	3	1450	6.36	-	87.4	0.82	2.3	7.6	2.3	64	46
YB3-112M-4	4	1455	8.4	4.9	88.3	0.82	2.3	7.7	2.3	65	62
YB3-132S-4	5.5	1460	11.2	6.5	89.2	0.82	2	7.5	2.3	71	80
YB3-132M-4	7.5	1460	15.1	8.7	90.1	0.83	2	7.4	2.3	71	83
YB3-160M-4	11	1470	21.6	12.5	91.0	0.85	2.2	7.5	2.3	75	136
YB3-160L-4	15	1470	28.9	16.7	91.8	0.86	2.2	7.5	2.3	75	154
YB3-180M-4	18.5	1475	35.5	20.5	92.2	0.86	2.2	7.7	2.3	76	202
YB3-180L-4	22	1475	42.0	24.3	92.6	0.86	2.2	7.8	2.3	76	220
YB3-200L-4	30	1470	56.9	32.8	93.2	0.86	2.2	7.2	2.3	79	272
YB3-225S-4	37	1480	69.8	40.2	93.6	0.86	2.2	7.3	2.3	81	334
YB3-225M-4	45	1480	84.7	48.7	93.9	0.86	2.2	7.4	2.3	81	339
YB3-250M-4	55	1480	103	60	94.2	0.86	2.2	7.4	2.3	83	475
YB3-280S-4	75	1480	137	79	94.7	0.88	2.2	6.7	2.3	86	635
YB3-280M-4	90	1480	164	95	95.0	0.88	2.2	6.9	2.3	86	690
YB3-315S-4	110	1480	199	115	95.4	0.88	2.2	6.9	2.2	93	1050
YB3-315M-4	132	1480	239	138	95.4	0.88	2.2	6.9	2.2	93	1200
YB3-315L1-4	160	1480	286	165	95.4	0.89	2.2	6.9	2.2	94	1230
YB3-315L2-4	200	1480	358	206	95.4	0.89	2.2	6.9	2.2	94	1300
YB3-355S1-4	185	1490	330.7	191.1	95.4	0.89	2.2	6.9	2.2	94	1560
YB3-355S2-4	200	1490	357.5	206.6	95.4	0.89	2.2	6.9	2.2	94	1560
YB3-355M1-4	220	1490	388.8	224.8	95.4	0.90	2.2	6.9	2.2	95	1750
YB3-355M2-4	250	1490	440.0	254.3	95.8	0.90	2.2	6.9	2.2	95	1750
YB3-355L1-4	280	1490	492.8	284.9	95.8	0.90	2.2	6.9	2.2	95	1950
YB3-355L2-4	315	1490	554.5	320.4	95.8	0.90	2.2	6.9	2.2	95	1950



主要技术数据

Main technical data

6 极 Pole

型号 Type	功率 Power (kW)	转速 Speed (r/min)	电流 Current (A)		效率 Efficiency η%	功率因数 Power factor cosφ	堵转转矩 Locked torque	堵转电流 Locked current	最大转矩 Max. torque	噪声 Noise (A)	重量 Weight (kg)
			380V	660V			额定转矩 Rated torque	额定电流 Rated current	额定转矩 Rated torque	空载 No load	
同步转速 1000 转 / 分 (6 极) Synchronous speed 1000 r/min (6 pole)											
YB3-71M1-6	0.18	880	0.67	-	56.0	0.66	1.9	4	2.0	52	18
YB3-71M2-6	0.25	880	0.88	-	59.0	0.68	1.9	4	2.0	52	19
YB3-80M1-6	0.37	950	1.31	-	62.0	0.70	1.9	4.7	2.0	54	25
YB3-80M2-6	0.55	950	1.68	-	75.4	0.72	1.9	4.7	2.1	54	27
YB3-90S-6	0.75	950	2.03	-	77.7	0.72	2.1	5.8	2.1	57	31
YB3-90L-6	1.1	955	2.86	-	79.9	0.73	2.1	5.9	2.1	57	34
YB3-100L-6	1.5	970	3.78	-	81.5	0.74	2.1	6	2.1	61	43
YB3-112M-6	2.2	955	5.3	-	83.4	0.74	2.1	6	2.1	65	63
YB3-132S-6	3	970	7.9	-	84.9	0.74	2.0	6.2	2.1	69	80
YB3-132M1-6	4	976	8.4	4.9	86.1	0.74	2.0	6.8	2.1	69	86
YB3-132M2-6	5.5	976	12.7	7.4	87.4	0.75	2.0	7.1	2.1	69	88
YB3-160M-6	7.5	980	16.5	9.5	89.0	0.78	2.1	6.7	2.1	73	129
YB3-160L-6	11	980	23.5	13.6	90.0	0.79	2.1	6.9	2.1	73	153
YB3-180L-6	15	980	31.0	17.9	91.0	0.81	2.0	7.2	2.1	73	205
YB3-200L1-6	18.5	980	37.9	21.9	91.5	0.81	2.1	7.2	2.1	76	250
YB3-200L2-6	22	980	44.3	25.6	92.0	0.82	2.1	7.3	2.1	76	273
YB3-225M-6	30	985	60.8	35.0	92.5	0.81	2.0	7.1	2.1	76	337
YB3-250M-6	37	990	72	42	93.0	0.84	2.1	7.1	2.1	78	477
YB3-280S-6	45	990	85	49	93.5	0.86	2.1	7.2	2.0	80	640
YB3-280M-6	55	990	104	60	93.8	0.86	2.1	7.2	2.0	80	691
YB3-315S-6	75	985	142	81.9	94.2	0.85	2.0	6.7	2.0	85	980
YB3-315M-6	90	985	172	99.2	94.5	0.84	2.0	6.7	2.0	85	1100
YB3-315L1-6	110	985	207	119	95.0	0.85	2.0	6.7	2.0	85	1150
YB3-315L2-6	132	985	245	141	95.0	0.86	2.0	6.7	2.0	85	1260
YB3-355S-6	160	990	296.7	171.5	95.0	0.87	2.0	6.7	2.0	92	1560
YB3-355M1-6	185	990	343.0	198.3	95.0	0.87	2.0	6.7	2.0	92	1790
YB3-355M2-6	200	990	370.9	214.4	95.0	0.87	2.0	6.7	2.0	92	1790
YB3-355L1-6	220	990	408.0	235.0	95.0	0.87	2.0	6.7	2.0	92	2030
YB3-355L2-6	250	990	463.6	267.9	95.0	0.87	2.0	6.7	2.0	92	2030



主要技术数据

Main technical data

8 极 Pole

型号 Type	功率 Power (kW)	转速 Speed (r/min)	电流 Current (A)		效率 Efficiency η%	功率因数 Power factor cosφ	堵转转矩 Locked torque	堵转电流 Locked current	最大转矩 Max. torque	噪声 Noise (A)	重量 Weight (kg)
			380V	660V			额定转矩 Rated torque	额定电流 Rated current	额定转矩 Rated torque	空载 No load	
同步转速 750 转 / 分 (8 极) Synchronous speed 750 r/min (8 pole)											
YB3-80M1-8	0.18	650	0.86	-	51.0	0.61	1.8	3.3	1.9	52	26
YB3-80M2-8	0.25	650	1.13	-	54.0	0.61	1.8	3.3	1.9	52	28
YB3-90S-8	0.37	670	1.46	-	62.0	0.61	1.8	4.0	1.9	56	32
YB3-90L-8	0.55	670	1.85	-	63.0	0.61	1.8	4.0	2.0	56	35
YB3-100L1-8	0.75	690	2.42	-	70.0	0.67	1.8	4.0	2.0	59	46
YB3-100L2-8	1.1	690	3.36	-	72.0	0.69	1.8	5.0	2.0	59	48
YB3-112M-8	1.5	690	4.00	-	74.0	0.70	1.8	5.0	2.0	61	64
YB3-132S-8	2.2	710	5.78	-	79.0	0.71	1.8	6.0	2.0	64	81
YB3-132M-8	3	710	7.69	-	80.0	0.73	1.8	6.0	2.0	64	88
YB3-160M1-8	4	720	10.5	6.0	81.0	0.73	1.9	6.0	2.0	68	111
YB3-160M2-8	5.5	720	13.6	7.9	83.0	0.74	1.9	6.0	2.0	68	129
YB3-160L-8	7.5	720	17.8	10.3	85.5	0.75	1.9	6.0	2.0	68	158
YB3-180L-8	11	720	24.5	14.7	87.5	0.75	2.0	6.5	2.0	70	205
YB3-200L-8	15	730	34.1	19.6	88.0	0.76	2.0	6.6	2.0	73	263
YB3-225S-8	18.5	730	41.1	23.7	90.0	0.76	1.9	6.6	2.0	73	337
YB3-225M-8	22	730	47.4	27.4	90.5	0.78	1.9	6.6	2.0	73	337
YB3-250M-8	30	740	64	37	91.0	0.79	1.9	6.5	2.0	75	478
YB3-280S-8	37	740	78	45	91.5	0.79	1.9	6.6	2.0	76	605
YB3-280M-8	45	740	95	55	92.0	0.79	1.9	6.6	2.0	76	680
YB3-315S-8	55	740	111	64	92.8	0.81	1.8	6.6	2.0	82	960
YB3-315M-8	75	740	150	86.6	93.5	0.81	1.8	6.2	2.0	82	1120
YB3-315L1-8	90	740	178	102	93.8	0.82	1.8	6.4	2.0	82	1190
YB3-315L2-8	110	740	217	125	94.0	0.82	1.8	6.4	2.0	82	1270
YB3-355S-8	132	740	259.6	150.1	93.7	0.82	1.8	6.4	2.0	90	1560
YB3-355M-8	160	740	314.7	181.9	94.2	0.82	1.8	6.4	2.0	90	1820
YB3-355L1-8	185	740	363.9	210.3	94.2	0.82	1.8	6.4	2.0	90	2030
YB3-355L2-8	200	740	387.0	223.7	94.5	0.83	1.8	6.4	2.0	90	2030



主要技术数据 Main technical data

10 极 Pole

型号 Type	功率 Power (kW)	转速 Speed (r/min)	电流 Current (A)		效率 Efficiency η%	功率因数 Power factor cosφ	堵转转矩 Locked torque	堵转电流 Locked current	最大转矩 Max. torque	噪声 Noise (A)	重量 Weight (kg)
			380V	660V			额定转矩 Rated torque	额定电流 Rated current	额定转矩 Rated torque	空载 No load	
同步转速 600 转 / 分 (10 极) Synchronous speed 600 r/min (10 pole)											
YB3-315S-10	45	592	99.6	57.4	91.5	0.75	1.5	6.2	2	82	930
YB3-315M-10	55	592	121	69.7	92.0	0.75	1.5	6.2	2	82	950
YB3-315L1-10	75	592	162	93.3	92.5	0.76	1.5	5.8	2	82	1150
YB3-315L2-10	90	592	191	110	93.0	0.77	1.5	5.9	2	82	1260
YB3-355S-10	90	590	190.3	110	93.0	0.77	1.5	5.9	2	82	1560
YB3-355M1-10	110	590	229.6	132.7	93.2	0.78	1.3	6.0	2	90	1670
YB3-355M2-10	132	590	274.7	158.8	93.5	0.78	1.3	6.0	2	90	1820
YB3-355L1-10	160	590	332.9	192.4	93.5	0.78	1.3	6.0	2	90	2030
YB3-355L2-10	185	590	385.0	222.5	93.5	0.78	1.3	6.0	2	90	2030

常用的安装结构型式 General mounting way

常用的安装结构型式，以及适用的机座号见下表：
General mounting way and suitable frame please see the below table:

机座号 Frame	基本安装结构 Basic mounting way			派生的安装形式 Derivative mounting way											
	B3	B5	B35	V1	V3	V5	V6	B6	B7	B8	V15	V36	B14	B34	V18
63 ~ 71	√	√	-	√	√	√	√	√	√	√	-	-	-	-	-
80 ~ 112	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
132 ~ 160	√	√	√	√	√	√	√	√	√	√	√	√	-	-	-
180 ~ 280	√	√	√	√	-	-	-	-	-	-	-	-	-	-	-
315 ~ 355	√	-	√	√	-	-	-	-	-	-	-	-	-	-	-

注：“√”表示可以制造生产的结构形式。

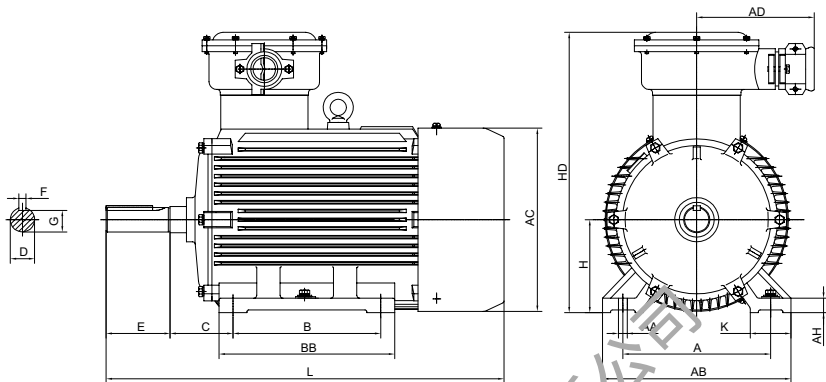
Note: “√” means the mounting way can be produced.



安装及外形尺寸

Mounting and overall dimensions

B3 安装机座带底脚，端盖上无凸缘的电动机
Frame with foot, end cover without flange



机座号 Frame	A	B	C	D	E	F	G	H	K	AA	BB	HA	AB	AC	AD	HD	L
63	100	80	40	11	23	4	8.5	63	7	25	110	8	125	150	170	230	270
71	112	90	45	14	30	5	11	71	7	28	114	8	140	155	170	250	300
80	125	100	50	19	40	6	15.5	80	10	34	130	10	165	165	180	310	330
90S	140	100	56	24	50	8	20	90	10	36	130	14	180	180	180	330	370
90L	14	125	56	24	50	8	20	90	10	36	155	14	180	180	180	330	395
100L	160	140	63	28	60	8	24	100	12	43	176	14	200	205	180	355	450
112M	190	140	70	28	60	8	24	112	12	50	180	16	245	230	200	370	500
132S	216	140	89	38	80	10	33	132	12	60	190	18	280	270	200	430	550
132M	216	178	89	38	80	10	33	132	12	60	230	18	280	270	200	430	600
160M	254	210	108	42	110	12	37	160	15	70	258	25	330	325	220	520	720
160L	254	254	108	42	110	12	37	160	15	70	302	25	330	325	220	520	750
180M	279	241	121	48	110	14	42.5	180	15	70	311	22	355	360	220	550	780
180L	279	279	121	48	110	14	42.5	180	15	70	349	22	355	360	220	550	800
200L	318	305	133	55	110	16	49	200	19	70	366	25	390	400	260	645	840
225S	356	286	149	55/60	110/140	16/18	49/53	225	19	75	355	28	435	450	260	700	920
225M	356	311	149	55/60	110/140	16/18	49/53	225	19	75	380	28	435	450	260	700	950
250M	406	349	168	60/65	140	18	53/58	250	24	80	420	30	490	500	300	730	965
280S	457	368	190	65/75	140	18/20	58/67.5	280	24	85	438	35	545	560	300	810	1020
280M	457	419	190	65/75	140	18/20	58/67.5	280	24	85	489	35	545	560	300	810	1075
315S	508	406	216	65/80	140/170	18/22	58/71	315	28	120	550	45	640	630	400	980	1190
315M	508	457	216	65/80	140/170	18/22	58/71	315	28	120	680	45	640	630	400	980	1310
315L	508	508	216	65/80	140/170	18/22	58/71	315	28	120	680	45	640	630	400	980	1310
355S	610	500	254	75/95	140/170	20/25	67.5/86	355	28	116	636	52	740	750	500	1100	1415/1485
355M	610	560	254	75/95	140/170	20/25	67.5/86	355	28	116	696	52	740	750	500	1100	1495/1565
355L	610	630	254	75/95	140/170	20/25	67.5/86	355	28	116	766	52	740	750	500	1100	1645/1675

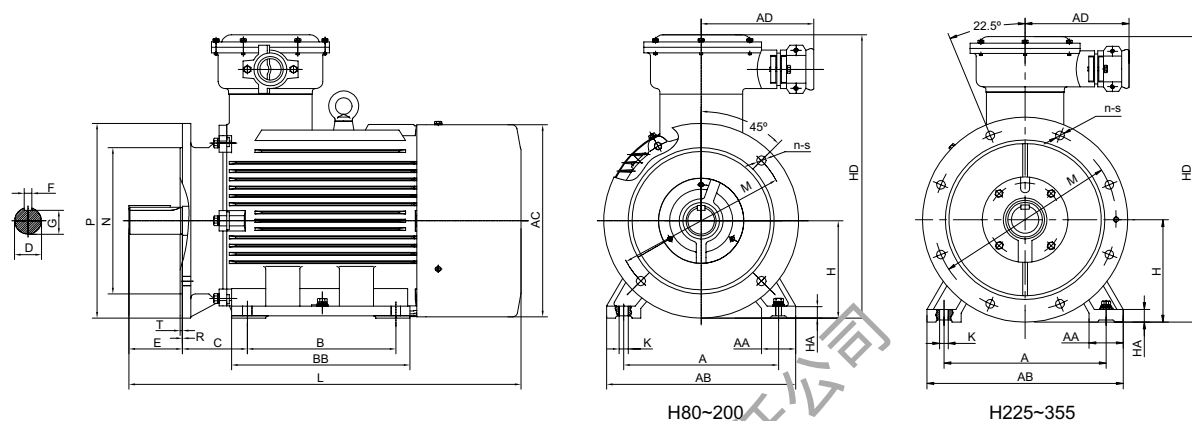
注：表格内分数的分子为 2 极电动机数据，分母为 2 极以外的电动机数据。
Note: The numerator of the fraction in the table is 2 pole's data; the denominator is the data except 2 pole.



安装及外形尺寸

Mounting and overall dimensions

B35 安装机座带底脚，端盖上有凸缘（带通孔）
Frame with foot, end cover with flange (with through hole)



机座号 Frame	A	B	C	D	E	F	G	H	K	M	N	I	S	T	n	AA	BB	HA	AB	AC	AD	HD	L
80	125	100	50	19	40	6	15.5	80	10	165	130	200	12	3.5	4	34	130	10	165	165	180	310	330
90S	140	100	56	24	50	8	20	90	10	165	130	200	12	3.5	4	36	130	14	180	180	180	330	370
90L	140	125	56	24	50	8	20	90	10	165	130	200	12	3.5	4	36	155	14	180	180	180	330	395
100L	160	140	63	28	60	8	24	100	12	215	180	250	15	4	4	43	176	14	200	205	180	355	450
112M	190	140	70	28	60	8	24	112	12	215	180	250	15	4	4	50	180	16	245	230	200	370	500
132S	216	140	89	38	80	10	33	132	12	265	230	300	15	4	4	60	190	18	280	270	200	430	550
132M	216	178	89	38	80	10	33	132	12	265	230	300	15	4	4	60	230	18	280	270	200	430	600
160M	254	210	108	42	110	12	37	160	15	300	250	350	19	5	4	70	258	25	330	325	220	520	720
160L	254	254	108	42	110	12	37	160	15	300	250	350	19	5	4	70	302	25	330	325	220	520	750
180M	279	241	121	48	110	14	42.5	180	15	300	250	350	19	5	4	70	311	22	355	360	220	550	780
180L	279	279	121	48	110	14	42.5	180	15	300	250	350	19	5	4	70	349	22	355	360	220	550	800
200L	318	305	133	55	110	16	49	200	19	350	300	400	19	5	4	70	366	25	390	400	260	660	840
225S	356	286	149	55/60	110/140	16/18	49/53	225	19	400	350	450	19	5	8	75	355	28	435	450	260	690	920
225M	356	311	149	55/60	110/140	16/18	49/53	225	19	400	350	450	19	5	8	75	380	28	435	450	260	690	950
250M	406	349	168	60/65	140	18	53/58	250	24	500	450	550	19	5	8	80	420	30	490	500	300	730	965
280S	457	368	190	65/75	140	18/20	58/67.5	280	24	500	450	550	19	5	8	85	438	35	545	560	300	810	1020
280M	457	419	190	65/75	140	18/20	58/67.5	280	24	500	450	550	19	5	8	85	489	35	545	560	300	810	1075
315S	508	406	216	65/80	140/170	18/22	58/71	315	28	600	550	660	24	6	8	120	550	45	640	630	400	980	1190
315M	508	457	216	65/80	140/170	18/22	58/71	315	28	600	550	660	24	6	8	120	680	45	640	630	400	980	1310
315L	508	508	216	65/80	140/170	18/22	58/71	315	28	600	550	660	24	6	8	120	680	45	640	630	400	980	1310
355S	610	500	254	75/95	140/170	20/25	67.5/86	355	28	740	680	800	24	6	8	116	636	52	740	750	500	1100	1415/1485
355M	610	560	254	75/95	140/170	20/25	67.5/86	355	28	740	680	800	24	6	8	116	696	52	740	750	500	1100	1495/1565
355L	610	630	254	75/95	140/170	20/25	67.5/86	355	28	740	680	800	24	6	8	116	766	52	740	750	500	1100	1645/1675

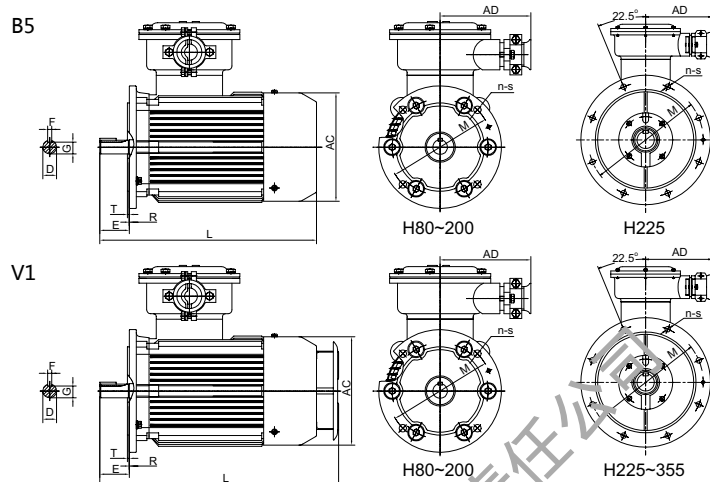
注：表格内分数的分子为 2 极电动机数据，分母为 2 极以外的电动机数据。

Note: The numerator of the fraction in the table is 2 pole's data; the denominator is the data except 2 pole.

安装及外形尺寸

Mounting and overall dimensions

B5、V1 安装机座不带底脚，端盖上有凸缘（带通孔）
Frame without foot, end cover with flange (with through hole)



机座号 Frame	D	E	F	G	M	N	P	S	T	n	AC	AD	L	
													B5	V1
63	11	23	4	8.5	115	95	140	10	3	4	130	180	270	310
71	14	30	5	11	130	110	160	10	3	4	145	180	300	340
80	19	40	6	15.5	165	130	200	12	3.5	4	165	180	330	375
90S	24	50	8	20	165	130	200	12	3.5	4	180	180	370	415
90L	24	50	8	20	165	130	200	12	3.5	4	180	180	395	445
100L	28	60	8	24	215	180	250	15	4	4	205	180	450	500
112M	28	60	8	24	215	180	250	15	4	4	230	200	500	565
132S	38	80	10	33	265	230	300	15	4	4	270	200	550	640
132M	38	80	10	33	265	230	300	15	4	4	270	200	600	690
160M	42	110	12	37	300	250	350	19	5	4	325	220	720	790
160L	42	110	12	37	300	250	350	19	5	4	325	220	750	820
180M	48	110	14	42.5	300	250	350	19	5	4	360	220	780	850
180L	48	110	14	42.5	300	250	350	19	5	4	360	220	800	870
200L	55	110	16	49	350	300	400	19	5	4	400	260	840	920
225S	55/60	110/140	16/18	49/53	400	350	450	19	5	8	450	260	920	970
225M	55/60	110/140	16/18	49/53	400	350	450	19	5	8	450	260	950	1000
250M	60/65	140	18	53/58	500	450	550	19	5	8	500	300	965	1070
280S	65/75	140	18/20	58/67.5	500	450	550	19	5	8	560	300	1020	1090
280M	65/75	140	18/20	58/67.5	500	450	550	19	5	8	560	300	1075	1180
315S	65/80	140/170	18/22	58/71	600	550	660	24	6	8	630	400	-	1370
315M	65/80	140/170	18/22	58/71	600	550	660	24	6	8	630	400	-	1540
315L	65/80	140/170	18/22	58/71	600	550	660	24	6	8	630	400	-	1540
355S	75/95	140/170	20/25	67.5/86	740	680	800	24	6	8	750	500	-	1550/1620
355M	75/95	140/170	20/25	67.5/86	740	680	800	24	6	8	750	500	-	1630/1700
355L	75/95	140/170	20/25	67.5/86	740	680	800	24	6	8	750	500	-	1780/1810

注：表格内分数的分子为 2 极电动机数据，分母为 2 极以外的电动机数据。

注：本产品样本中，所有产品数据参数及图样仅供参考。

Note: The numerator of the fraction in the table is 2 pole' s data; the denominator is the data except 2 pole.

Note: In the product sample, all products data, parameters and drawings are just for reference.



YVF2 系列变频调速三相异步电动机

YVF2 Series Variable Frequency Adjustable Speed Three-phase Induction Motor

YVF2 系列变频调速三相异步电动机是一种交流、高效、节能型调速电动机，与变频器配合使用，是机电一体化的调速新产品。具有噪声低振动小、起动转矩大、起动电流小、结构简单、运行可靠、维修方便使用范围广等特点。在 3(5)~100Hz 甚至更宽的范围内能平滑无级调速，单独装有强迫冷却风机，在不同的转速下均有较好的冷却效果，适用于泵类、通风机、分离器、液压机械及其它辅助设备之用。YVF2 系列是按照国际电工委员会标准 IEC60034-1《旋转电机 定额和性能》设计的。

The motors are AC, high-efficiency, energy-saving and adjustable speed. Equipped with frequency converter, they are new products with mechatronics and adjustable speed. They have features of low noise and vibration, high starting torque, small starting current, simple construction, steady operation, easy maintenance and wide usage range. Flat and stepless speed adjustment can be done in 3(5) ~100Hz or more, they are installed forced cooling axial blowers separately. Best cooling effect has been got at any speed. The motors are suitable for pumps, blowers, separators, hydraulic engines and other auxiliary equipments.

The motors are designed according to IEC60034-1 <Rotating electrical machines-Rating and performance>.



标准和认证

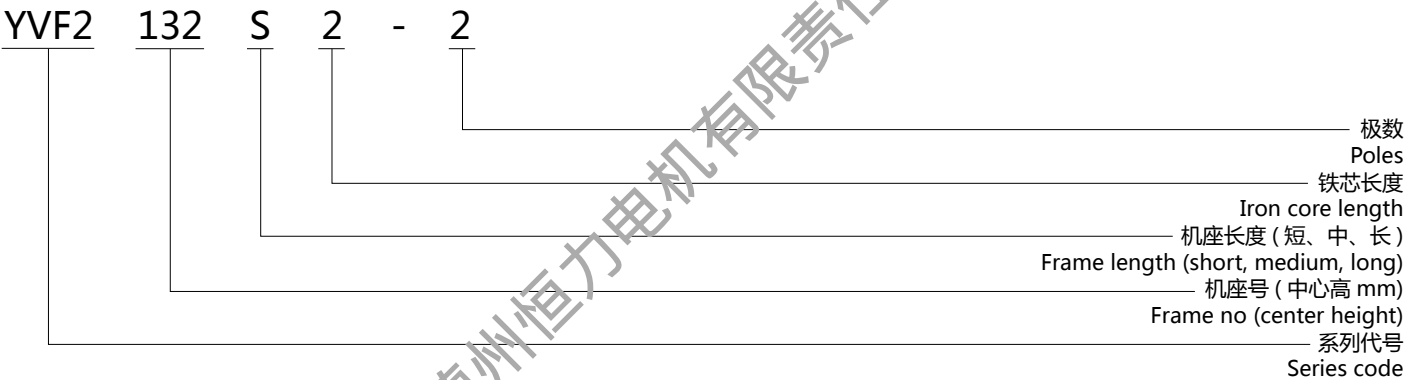
Standard and certification

电动机也符合以下标准和规范的有关要求 The motors also comply with the relevant requirements of the following standards and specifications	
IEC60034	旋转电机 Rotating electrical machines
IEC60068	环境试验 Environmental testing
IEC60072	旋转电机的尺寸及功率等级 Dimensions and output ratings for rotating electrical machines

型号命名

Type name

电动机的型号由字母和数字组成。
The type consists of several letters and digits.



机械特性

Mechanical characteristics

轴承 Bearing

本系列电动机的轴承型号和规格见表 1。
The bearing types and specifications of this series see table 1.

表 Table 1

机座号 Frame	极数 Pole	轴承 Bearing			机座号 Frame	极数 Pole	轴承 Bearing		
		主轴伸端 DE		非轴伸端 NDE			主轴伸端 DE		非轴伸端 NDE
		B3、B5、B35	V1				B3、B5、B35	V1	
80	4, 6	6204-2RS/C3	6204-2RS/C3	6204-2RS/C3	200	4, 6, 8	6312/C3	6312/C3	6312/C3
90	4, 6	6205-2RS/C3	6205-2RS/C3	6205-2RS/C3	225	4, 6, 8	6313/C3	6313/C3	6312/C3
100	4, 6	6206-2RZ/C3	6206-2RZ/C3	6206-2RZ/C3	250	4, 6, 8	6314/C3	6314/C3	6313/C3
112	4, 6, 8	6206-2RZ/C3	6206-2RZ/C3	6206-2RZ/C3	280	4, 6, 8	6317/C3	6317/C3	6314/C3
132	4, 6, 8	6208-2RZ/C3	6208-2RZ/C3	6208-2RZ/C3	315	4, 6, 8	6319/Z2	7319ACJ	6319/Z2
160	4, 6, 8	6309-2RZ/C3	6309-2RZ/C3	6309-2RZ/C3	355	4, 6, 8	6322/Z2	7322ACJ	6322/Z2
180	4, 6, 8	6311/C3	6311/C3	6311/C3					



机械特性

Mechanical characteristics

工作条件

Operation conditions

环境空气温度 Ambient temperature	-15°C ~40°C
空气相对湿度 Relative humidity	≤ 90%

电压、频率

Voltage, frequency

额定电压 Rated voltage	380V
额定频率 Rated frequency	50Hz

调频范围

Frequency changeable range

机座号 Frame	恒转矩调频范围 Constant torque frequency changeable range	恒功率调频范围 Constant power frequency changeable range
80 ~ 225	5Hz ~ 50Hz	50Hz ~ 100Hz
250 ~ 355	3Hz ~ 50Hz	50Hz ~ 100Hz

工作方式

Duty

连续工作制 Continuous (S1)

绝缘、温升

Insulation, temperature rise

绝缘 Insulation	F 级
绕组温升 (电阻法) Winding temperature rise (Resistance method)	100K
轴承允许温度 (温度计法) Bearing allowable temperature (Thermometer method)	95°C

振动

Vibration

电动机在采用变频器供电条件下空载时测得的振动烈度有效值应不超过表 3 的数值。

The effective values of vibration velocity that measured at the no-load conditions and supplied by frequency converter do not exceed the values given in table 3.

表 Table 3

机座号 Frame	≤ 132	> 132 ~ 225	> 225 ~ 355
振动烈度有效值 (mm/s) Effective values of vibration velocity	1.8	2.8	3.5

噪声

Noise

电动机在采用变频器供电条件下，空载时测得的 A 计权声功率级的噪声限值如表 2 所示。

Under the frequency converter supply condition, the noise limitation value of acoustic power level measured by no load is show on the Table 2.

表 Table 2

功率 Power (kW)	同步转速 Synchronous speed (r/min)		
	1500	1000	750
声功率级 Acoustic power level (A)			
0.18	-	-	75
0.25	-	-	75
0.37	-	79	79
0.55	79	79	79
0.75	79	79	79
1.1	79	79	79
1.5	83	83	83
2.2	83	83	83
3	87	87	87
4	87	87	87
5.5	91	91	91
7.5	91	91	91
11	93	93	93
15	93	93	93
18.5	93	93	93
22	98	98	98
30	101	101	101
37	101	101	101
45	103	103	103
55	103	103	103
75	105	105	105
90	105	105	105
110	107	107	107
132	107	107	107
160	109	109	109
200	109	109	109
250	111	-	-
315	111	-	-
355	113	-	-



机械特性

Mechanical characteristics

安装结构型式 Mounting Arrangements

电动机各机座号所具 . 有的安装结构型式如表 4 所示。根据用户需求我公司可提供其他安装型式的电动机。
All mounting arrangements of every type is show in Table 4. According to the customer's requirements, we also can provide the other mounting ways.

B3	卧式，底脚安装 Horizontal, foot-mounted
B5	卧式，凸缘安装 Horizontal, flange-mounted
B35	卧式，底脚和凸缘安装 Horizontal, foot and flange mounted
V1	立式，凸缘安装 Vertical, flange mounted

表 Table 4

机座号 Frame	安装结构型式 (IM) Mounting way
80 ~ 280	B3 , B5 , B35 , V1
315 ~ 355	B3 , B35 , V1

主要技术数据

Main technical data

4 极 poles

机座号 Frame	标称功率 Nominal Power (kW)	标称电流 Nominal Current (A)	额定转矩 Rated torque (N·m)	最大转矩 / 额定转 Max. Torque/ Rated torque	恒转矩变频范围 Constant torque frequency changeable range (Hz)	恒功率变频范围 Constant power frequency changeable range (Hz)
YVF2-80M1-4	0.55	1.5	3.5	2.3	5 ~ 50	50 ~ 100
YVF2-80M2-4	0.75	2.3	4.7	2.3	5 ~ 50	50 ~ 100
YVF2-90S-4	1.1	2.7	7.0	2.3	5 ~ 50	50 ~ 100
YVF2-90L-4	1.5	3.6	9.5	2.3	5 ~ 50	50 ~ 100
YVF2-100L1-4	2.2	5.0	14.0	2.3	5 ~ 50	50 ~ 100
YVF2-100L2-4	3	6.8	19.0	2.3	5 ~ 50	50 ~ 100
YVF2-112M-4	4	8.9	25.4	2.3	5 ~ 50	50 ~ 100
YVF2-132S-4	5.5	11.7	35.0	2.3	5 ~ 50	50 ~ 100
YVF2-132M-4	7.5	15.4	47.7	2.3	5 ~ 50	50 ~ 100
YVF2-160M-4	11	22.6	70.0	2.3	5 ~ 50	50 ~ 100
YVF2-160L-4	15	30.5	95.5	2.3	5 ~ 50	50 ~ 100
YVF2-180M-4	18.5	35.9	117.1	2.3	5 ~ 50	50 ~ 100
YVF2-180L-4	22	42.2	140.9	2.3	5 ~ 50	50 ~ 100
YVF2-200L-4	30	57.3	190.9	2.3	5 ~ 50	50 ~ 100
YVF2-225S-4	37	70.2	235.5	2.3	5 ~ 50	50 ~ 100
YVF2-225M-4	45	84.0	286.4	2.3	5 ~ 50	50 ~ 100
YVF2-250M-4	55	104	350.1	2.3	3 ~ 50	50 ~ 100
YVF2-280S-4	75	139	477.7	2.3	3 ~ 50	50 ~ 100
YVF2-280M-4	90	164	572.9	2.3	3 ~ 50	50 ~ 100
YVF2-315S-4	110	201	700.2	2.2	3 ~ 50	50 ~ 100
YVF2-315M-4	132	240	840.3	2.2	3 ~ 50	50 ~ 100
YVF2-315L1-4	160	289	1018	2.2	3 ~ 50	50 ~ 100
YVF2-315L2-4	200	361	1273	2.2	3 ~ 50	50 ~ 100
YVF2-355M-4	250	464	1592	2.2	3 ~ 50	50 ~ 100
YVF2-355L-4	315	582	2005	2.2	3 ~ 50	50 ~ 100



主要技术数据

Main technical data

6极 poles

机座号 Frame	标称功率 Nominal Power (kW)	标称电流 Nominal Current (A)	额定转矩 Rated torque (N·m)	最大转矩 / 额定转 Max. Torque/ Rated torque	恒转矩变频范围 Constant torque frequency changeable range (Hz)	恒功率变频范围 Constant power frequency changeable range (Hz)
YVF2-90S-6	0.75	2.2	7.2	2.1	5 ~ 50	50 ~ 100
YVF2-90L-6	1.1	3.2	10.5	2.1	5 ~ 50	50 ~ 100
YVF2-100L-6	1.5	4.0	14.3	2.1	5 ~ 50	50 ~ 100
YVF2-112M-6	2.2	5.8	21.0	2.1	5 ~ 50	50 ~ 100
YVF2-132S-6	3	7.2	28.7	2.1	5 ~ 50	50 ~ 100
YVF2-132M1-6	4	9.5	38.2	2.1	5 ~ 50	50 ~ 100
YVF2-132M2-6	5.5	12.5	52.5	2.1	5 ~ 50	50 ~ 100
YVF2-160M-6	7.5	17.1	71.6	2.1	5 ~ 50	50 ~ 100
YVF2-160L-6	11	25.0	105.1	2.1	5 ~ 50	50 ~ 100
YVF2-180L-6	15	33.0	143.2	2.1	5 ~ 50	50 ~ 100
YVF2-200L1-6	18.5	37.6	176.7	2.1	5 ~ 50	50 ~ 100
YVF2-200L2-6	22	44.7	210.1	2.1	5 ~ 50	50 ~ 100
YVF2-225M-6	30	61.1	286.5	2.1	5 ~ 50	50 ~ 100
YVF2-250M-6	37	71.0	353.4	2.1	3 ~ 50	50 ~ 100
YVF2-280S-6	45	86.4	429.8	2.0	3 ~ 50	50 ~ 100
YVF2-280M-6	55	103	525.3	2.0	3 ~ 50	50 ~ 100
YVF2-315S-6	75	141	716.3	2.0	3 ~ 50	50 ~ 100
YVF2-315M-6	90	169	859.5	2.0	3 ~ 50	50 ~ 100
YVF2-315L1-6	110	205	1051	2.0	3 ~ 50	50 ~ 100
YVF2-315L2-6	132	246	1261	2.0	3 ~ 50	50 ~ 100
YVF2-355M1-6	160	302	1528	2.0	3 ~ 50	50 ~ 100
YVF2-355M2-6	200	377	1910	2.0	3 ~ 50	50 ~ 100
YVF2-355L-6	250	469	2388	2.0	3 ~ 50	50 ~ 100



主要技术数据

Main technical data

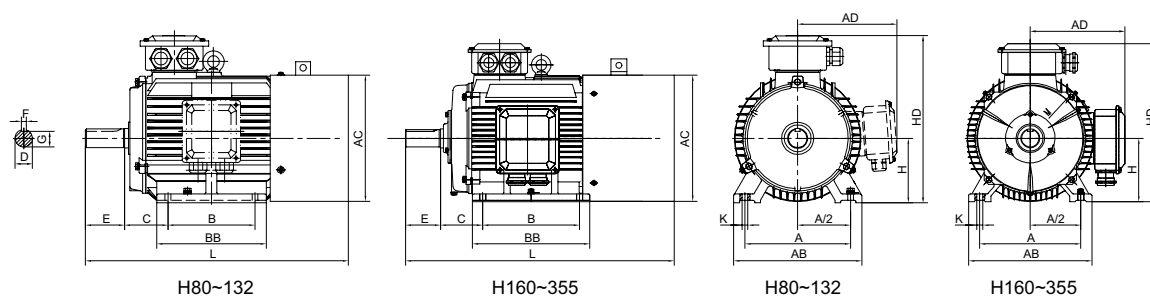
8 极 poles

机座号 Frame	标称功率 Nominal Power (kW)	标称电流 Nominal Current (A)	额定转矩 Rated torque (N·m)	最大转矩 / 额定转 Max. Torque/ Rated torque	恒转矩变频范围 Constant torque frequency changeable range (Hz)	恒功率变频范围 Constant power frequency changeable range (Hz)
YVF2-132S-8	2.2	5.8	28.0	2.0	5 ~ 50	50 ~ 100
YVF2-132M-8	3	7.6	38.2	2.0	5 ~ 50	50 ~ 100
YVF2-160M1-8	4	10.5	50.9	2.0	5 ~ 50	50 ~ 100
YVF2-160M2-8	5.5	13.4	70.0	2.0	5 ~ 50	50 ~ 100
YVF2-160L-8	7.5	17.7	95.5	2.0	5 ~ 50	50 ~ 100
YVF2-180L-8	11	25.6	140.1	2.0	5 ~ 50	50 ~ 100
YVF2-200L-8	15	33.3	191.0	2.0	5 ~ 50	50 ~ 100
YVF2-225S-8	18.5	40.3	235.6	2.0	5 ~ 50	50 ~ 100
YVF2-225M-8	22	47.4	278.1	2.0	5 ~ 50	50 ~ 100
YVF2-250M-8	30	64.7	382.0	2.0	3 ~ 50	50 ~ 100
YVF2-280S-8	37	79.8	471.1	2.0	3 ~ 50	50 ~ 100
YVF2-280M-8	45	94.8	573.0	2.0	3 ~ 50	50 ~ 100
YVF2-315S-8	55	114	700.3	2.0	3 ~ 50	50 ~ 100
YVF2-315M-8	75	152	955.0	2.0	3 ~ 50	50 ~ 100
YVF2-315L1-8	90	179	1146	2.0	3 ~ 50	50 ~ 100
YVF2-315L2-8	110	218	1400	2.0	3 ~ 50	50 ~ 100
YVF2-355M1-8	132	265	1681	2.0	3 ~ 50	50 ~ 100
YVF2-355M2-8	160	320	2037	2.0	3 ~ 50	50 ~ 100
YVF2-355L-8	200	399	2547	2.0	3 ~ 50	50 ~ 100

安装及外形尺寸

Mounting and overall dimensions

机座带底脚、端盖上无凸缘的电动机 (IMB3)
Frame with foot, end cover without flange



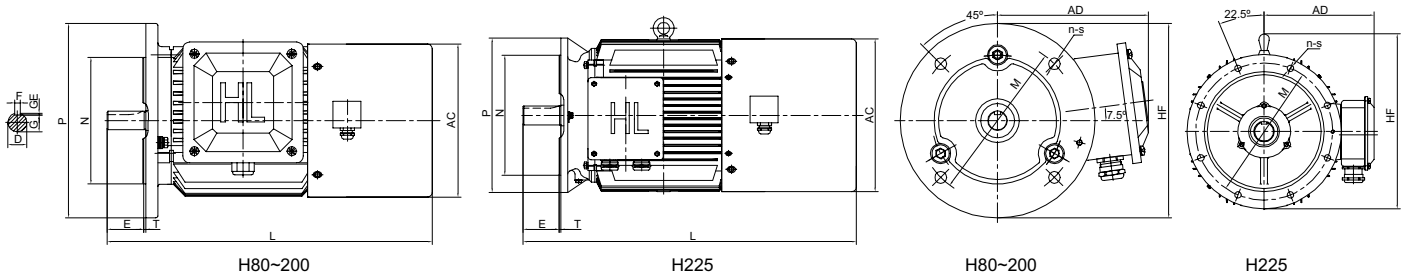
机座号 Frame	安装尺寸 Mounting dimension								外形尺寸 Overall dimension					
	A	B	C	D	E	F	G	H	Y	AB	AC	AD	HD	L
80M	125	100	50	19	40	6	15.5	80	10	165	165	145	220	370
90S	140	100	56	24	50	8	20	90	10	180	195	155	250	400
90L	140	125	56	24	50	8	20	90	10	180	195	155	250	430
100L	160	140	63	28	60	8	24	100	12	205	215	180	270	465
112M	190	140	70	28	60	10	24	112	12	230	240	190	300	490
132S	216	140	89	38	80	10	33	132	12	270	275	210	345	530
132M	216	178	89	38	80	10	33	132	12	270	275	210	345	575
160M	254	210	108	42	110	12	37	160	15	320	330	255	420	660
160L	254	254	108	42	110	12	37	160	15	320	330	255	420	715
180M	279	241	121	48	110	14	42.5	180	15	355	380	280	455	810
180L	279	279	121	48	110	14	42.5	180	15	355	380	280	455	850
200L	318	305	133	55	110	16	49	200	19	395	420	305	505	890
225S	356	286	149	60	140	18	53	225	19	435	470	335	560	930
225M	356	311	149	60	140	18	53	225	19	435	470	335	560	970
250M	406	349	168	65	140	18	58	250	24	490	510	370	615	1050
280S	457	368	190	75	140	20	67.5	280	24	550	580	410	680	1100
280M	457	419	190	75	140	20	71	280	24	550	580	410	680	1180
315S	508	406	216	80	170	22	71	315	28	635	645	530	845	1330
315M	508	457	216	80	170	22	71	315	28	635	645	530	845	1390
315L	508	508	216	80	170	22	71	315	28	635	645	530	845	1480
355M	610	560	254	95	170	25	86	355	28	730	730	655	1100	1750
355L	610	630	254	95	170	25	86	355	28	730	730	655	1100	1800



安装及外形尺寸

Mounting and overall dimensions

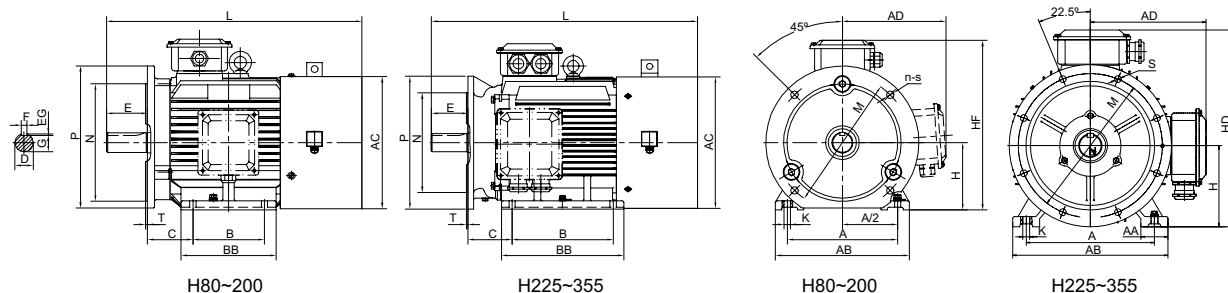
机座不带底脚，端盖上有凸缘的电动机（IMB5）
Frame without foot, end cover with flange



机座号	安装尺寸 Mounting dimension										外形尺寸 Overall dimension			
Frame	D	E	F	G	M	N	P	S	T	n	AC	AD	HF	L
80M	19	40	6	15.5	165	130	200	12	3.5	4	175	145	185	370
90S	24	50	8	20	165	130	200	12	3.5	4	195	155	195	400
90L	24	50	8	20	165	130	200	12	3.5	4	195	155	195	430
100L	28	60	8	24	215	180	250	15	4.0	4	215	180	245	465
112M	28	60	8	24	215	180	250	15	4.0	4	240	190	265	490
132S	38	80	10	33	265	230	300	15	4.0	4	275	210	315	530
132M	38	80	10	33	265	230	300	15	4.0	4	275	210	315	575
160M	42	110	12	37	300	250	350	19	5.0	4	330	255	385	660
160L	42	110	12	37	300	250	350	19	5.0	4	330	255	385	715
180M	48	110	14	42.5	300	250	350	19	5.0	4	380	280	430	810
180L	48	110	14	42.5	300	250	350	19	5.0	4	380	280	430	850
200L	55	110	16	49	350	300	400	19	5.0	4	420	305	480	890
225S	60	140	18	53	400	350	450	19	5.0	8	470	335	535	930
225M	60	140	18	53	400	350	450	19	5.0	8	470	335	535	970

安装及外形尺寸 Mounting and overall dimensions

机座不带底脚，端盖上有凸缘的电动机 (IMB35)
Frame without foot, end cover with flange

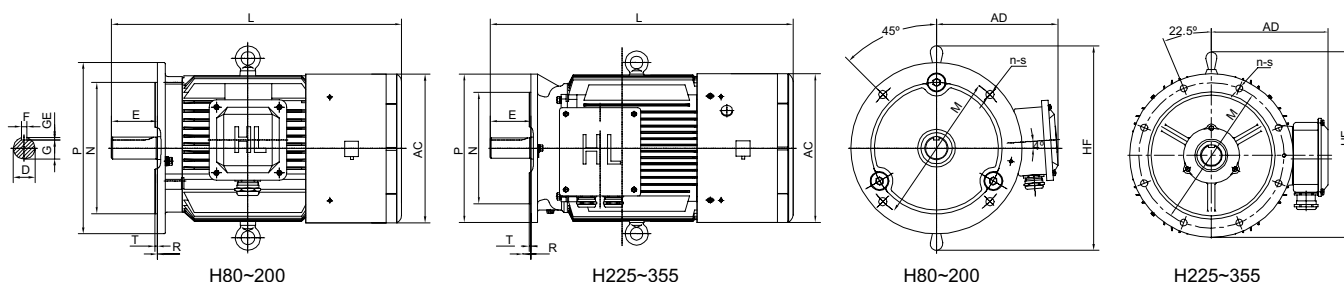


机座号 Frame	安装尺寸 Mounting dimension																外形尺寸 Overall dimension				
	A	B	C	D	E	F	G ^a	H	K ^d	M	N	P ^b	S	T	n		AB	AC	AD	HD	L
80M	125	100	50	19	40	6	15.5	80	10	165	130	200	12	3.5	4		165	175	145	220	370
90S	140	100	56	24	50	8	20	90	10	165	130	200	12	3.5	4		180	195	155	250	400
90L	140	125	56	24	50	8	20	90	10	165	130	200	12	3.5	4		180	195	155	250	430
100L	160	140	63	28	60	8	24	100	12	215	180	250	15	4.0	4		205	215	180	270	465
112M	190	140	70	28	60	8	24	112	12	215	180	250	15	4.0	4		230	240	190	300	490
132S	216	140	89	38	80	10	33	132	12	265	230	300	15	4.0	4		270	275	210	345	530
132M	216	178	89	38	80	10	33	132	12	265	230	300	15	4.0	4		270	275	210	345	575
160M	254	210	108	42	110	12	37	160	15	300	250	350	19	5.0	4		330	330	255	420	660
160L	254	254	108	42	110	12	37	160	15	300	250	350	19	5.0	4		330	330	255	420	715
180M	279	241	121	48	110	14	42.5	180	15	300	250	350	19	5.0	4		355	380	280	455	810
180L	279	279	121	48	110	14	42.5	180	15	300	250	350	19	5.0	4		355	380	280	455	850
200L	318	305	133	55	110	16	49	200	19	350	300	400	19	5.0	4		395	420	305	505	890
225S	356	286	149	60	140	18	53	225	19	400	350	450	19	5.0	8		435	470	335	560	930
225M	356	311	149	60	140	18	53	225	19	400	350	450	19	5.0	8		435	470	335	560	970
250M	406	349	168	65	140	18	58	250	24	500	450	550	19	5.0	8		490	510	370	615	1050
280S	457	368	190	75	140	20	67.5	280	24	500	450	550	19	5.0	8		550	580	410	680	1100
280M	457	419	190	75	140	20	67.5	280	24	500	450	550	19	5.0	8		550	580	410	680	1180
315S	508	406	216	80	170	22	71	315	28	600	550	660	24	6.0	8		635	645	530	845	1330
315M	508	457	216	80	170	22	71	315	28	600	550	660	24	6.0	8		635	645	530	845	1390
315L	508	508	216	80	170	22	71	315	28	600	550	660	24	6.0	8		635	645	530	845	1480
355M	610	560	254	95	170	25	86	355	28	740	680	800	24	6.0	8		730	710	655	1100	1750
355L	610	630	254	95	170	25	86	355	28	740	680	800	24	6.0	8		730	710	655	1100	1800

安装及外形尺寸

Mounting and overall dimensions

立式安装、机座不带底脚、端盖上有凸缘的电动机（带通孔）的电动机（IMV1）
Vertical mounting, frame without foot, end cover with flange (with through hole)



机座号 Frame	安装尺寸 Mounting dimension										外形尺寸 Overall dimension			
	D	E	F	G	M	N	P	S	r	n	AC	AD	HF	L
80	19	40	6	15.5	165	130	200	12	3.5	4	165	175	260	370
90S	24	50	8	20	165	130	200	12	3.5	4	180	180	270	400
90L	24	50	8	20	165	130	200	12	3.5	4	180	180	270	430
100L	28	60	8	24	215	180	250	15	4.0	4	205	195	300	465
112M	28	60	8	24	215	180	250	15	4.0	4	230	205	320	490
132S	38	80	10	33	265	230	300	15	4.0	4	270	265	380	530
132M	38	80	10	33	265	230	300	15	4.0	4	270	265	380	575
160M	38	110	12	37	300	250	350	19	5.0	4	325	270	450	660
160L	38	110	12	37	300	250	350	19	5.0	4	325	270	450	715
180M	48	110	14	42.5	300	250	350	19	5.0	4	380	280	500	788
180L	48	110	14	42.5	300	250	350	19	5.0	4	380	280	500	820
200L	55	110	16	49	350	300	400	19	5.0	4	420	305	550	960
225S	60	140	18	53	400	350	450	19	5.0	8	470	335	610	1020
225M	60	140	18	53	400	350	450	19	5.0	8	470	335	610	1060
250M	65	140	18	58	500	450	550	19	5.0	8	510	370	650	1160
280S	75	140	20	67.5	500	450	550	19	5.0	8	580	410	720	1220
280M	75	140	20	67.5	500	450	550	19	5.0	8	580	410	720	1300
315S	80	170	22	71	600	550	660	24	6.0	8	645	530	900	1530
315M	80	170	22	71	600	550	660	24	6.0	8	645	530	900	1520
315L	80	170	22	71	600	550	660	24	6.0	8	645	530	900	1610
355M	95	170	25	86	740	680	800	24	6.0	8	710	655	1100	1890
355L	95	170	25	86	740	680	800	24	6.0	8	710	655	1100	1940

注：本产品样本中，所有产品数据参数及图样仅供参考。

Note: In the product sample, all products data, parameters and drawings are just for reference.



QDC 系列船用电动机控制箱

QDC series marine motor control box

QDC 系列船用电动机控制箱用于各类船舶和石油平台设备三相异步电动机的直接起动、正转或反转运行控制，具有短路、缺相、过载及失压等保护功能。控制箱可设置异地控制功能。

QDC series marine motor control box is used to control direct starting, forward and reversal rotating of the three phase induction motor in ships and oil platform. It has the protection ability of short circuit, phase loss, overload and voltage loss. The remote control can be come true with QDC series marine motor control box.



电气特性

Electrical characteristics

适用环境 Application environment	
环境温度 Ambient temperature	-25℃ ~ 45℃
倾斜、摇摆 Inclination/Swing	±22.5℃
有船舶正常营运时 Normal running of the vessel	产生的冲击、振动、盐雾、霉菌及海上潮湿空气的影响 impact、vibration、salt mist、fungus and humid by air
箱体防护等级 The protection class	IP44，也可根据用户要求做成 IP56 IP44、IP56 or other kinds

主要技术数据

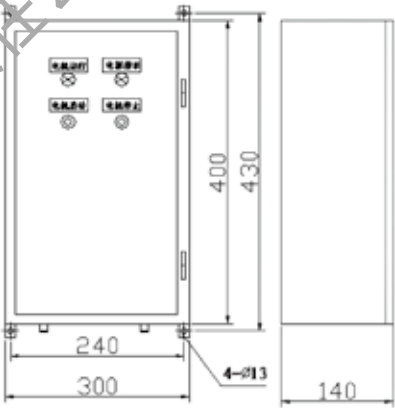
Main technical data

QDC 系列电动机控制箱基本规格与电动机的配套和选型按下表：
Basic type of QDC series and the marine motor：

启动器型号 Starter	受控电机 Controlled motor	壳体外形 (IP44) Housing dimension (IP44) 长 L x 宽 W x 厚 T	备注 Note
QDC91-0.55KW	Y801-4-H	400x300x140	
QDC91-0.75KW	Y801-2-H	400x300x140	
	Y802-4-H	400x300x140	
	Y90S-6-H	400x300x140	
QDC91-1.1KW	Y802-2-H	400x300x140	
	Y90S-4-H	400x300x140	
	Y90L-6-H	400x300x140	
QDC91-1.5KW	Y90S-2-H	400x300x140	
	Y90L-4-H	400x300x140	
	Y100L-6-H	400x300x140	
QDC91-2.2KW	Y90L-2-H	400x300x140	
	Y100L1-4-H	400x300x140	
	Y112M-6-H	400x300x140	
	Y132S-8-H	400x300x140	
QDC91-3KW	Y100L-2-H	400x300x140	
	Y100L2-4-H	400x300x140	
	Y132S-6-H	400x300x140	
	Y132M-8-H	400x300x140	
QDC91-4KW	Y112M-2-H	400x300x140	
	Y112M-4-H	400x300x140	
	Y132M1-6-H	400x300x140	
	Y160M1-8-H	400x300x140	
QDC91-5.5KW	Y132S1-2-H	400x300x140	
	Y132S-4-H	400x300x140	
	Y132M2-6-H	400x300x140	
	Y160M2-8-H	400x300x140	
QDC91-7.5KW	Y132S2-2-H	400x300x140	
	Y132M-4-H	400x300x140	
	Y160M-6-H	400x300x140	
	Y160L-8-H	400x300x140	
QDC91-11KW	Y160M1-2-H	400x300x140	
	Y160M-4-H	400x300x140	
	Y160L-6-H	400x300x140	
	Y180L-8-H	400x300x140	

安装及外形尺寸

Mounting and overall dimensions





QDX 系列船用电动机控制箱

QDX series marine motor control box

QDX 系列船用电动机控制箱用于各类船舶和石油平台设备三相异步电动机的星角转换起动、正转或反转运行控制，具有短路、缺相、过载及失压等保护功能。控制箱可设置异地控制功能。

QDX series marine motor control box is used to control star-angle conversion starting, forward and reversal rotating of the three phase induction motor in ships and oil platform. It has the protection ability of short circuit, phase loss, overload and voltage loss. The remote control can be come true with QDX series marine motor control box.



电气特性

Electrical characteristics

适用环境 Application environment	
环境温度 Ambient temperature	-25℃ ~ 45℃
倾斜、摇摆 Inclination/Swing	±22.5℃
有船舶正常营运时 Normal running of the vessel	产生的冲击、振动、盐雾、霉菌及海上潮湿空气的影响 impact、vibration、salt mist、fungus and humid by air
箱体防护等级 The protection class	IP22，也可根据用户要求做成 IP44 或 IP56 IP22, IP44 or IP56 as required

主要技术数据

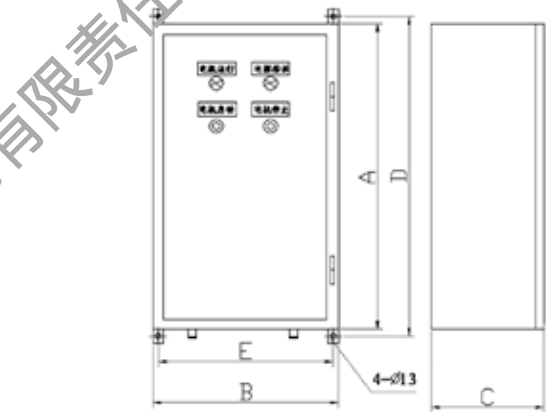
Main technical data

QDX 系列电动机控制箱基本规格与电动机的配套和选型按下表：
Basic type of QDC series and the marine motor:

启动器型号 Starter	受控电机 Controlled motor	壳体外形 (IP44) Housing dimension (IP44) 长 L x 宽 W x 厚 T	备注 Note
QDX91-15KW	Y160M2-2-H	500x400x200	
	Y160L-4-H	500x400x200	
	Y180L-6-H	500x400x200	
	Y200L-8-H	500x400x200	
QDX91-18.5KW	Y160L-2-H	500x400x200	
	Y180M-4-H	500x400x200	
	Y200L1-6-H	500x400x200	
	Y225S-8-H	500x400x200	
QDX91-22KW	Y180M-2-H	500x400x200	
	Y180L-4-H	500x400x200	
	Y200L2-6-H	500x400x200	
	Y225M-8-H	500x400x200	
QDX91-30KW	Y200L1-2-H	600x500x200	
	Y200L-4-H	600x500x200	
	Y225M-6-H	600x500x200	
	Y250M-8-H	600x500x200	
QDX91-37KW	Y200L2-2-H	600x500x200	
	Y225S-4-H	600x500x200	
	Y250M-6-H	600x500x200	
	Y280S-8-H	600x500x200	
QDX91-45KW	Y225M-2-H	600x500x200	
	Y225M-4-H	600x500x200	
	Y280S-6-H	600x500x200	
	Y280M-8-H	600x500x200	
QDX91-55KW	Y250M-2-H	600x500x200	
	Y250M-4-H	600x500x200	
	Y280M-6-H	600x500x200	
QDX91-75KW	Y280S-2-H	800x600x260	
	Y280S-4-H	800x600x260	
QDX91-90KW	Y280M-2-H	950x650x260	
	Y280M-4-H	950x650x260	

安装及外形尺寸

Mounting and overall dimensions



启动器型号 Starting type	A	B	C	D	E
QDX91- (15-22KW)	500	400	200	530	340
QDX91- (30-55KW)	600	500	200	630	440
QDX91-75KW	800	600	260	830	540
QDX91-90KW	950	650	260	980	600



QDP 系列船用电动机控制箱

QDP series marine motor control box

QDP 系列船用电动机控制箱用于各类船舶和石油平台设备三相异步电动机的变频启动、停止、调速及运行控制，具有短路、缺相、过载及失压等保护功能。

控制箱适用 380V/50HZ、440V/60HZ 或其他电制。用于风机泵类负载，其过载能力 120%，重载类过载能力 170%。可设异地控制功能，也可配置 PLC 程序控制器，实现对设备的智能化控制。多台控制箱通过集控台，可实现多台设备的单动、联动、同步等功能。

QDP series marine motor control box is used to control the motor frequency changeable starting, stop, speed and running. It has the protection ability of short circuit, phase loss, overload and voltage loss.

QDP series is suitable for 380V/50Hz, 440V/60Hz or other type. Its overload capacity is 120%, the heavy load is 170%, They can set remote control function and equip with the PLC procedure controller to achieve intelligent control for the devices. Multiple control boxes through the control console can achieve multiple devices' single action, linkage, synchronization and other functions.



电气特性

Electrical characteristics

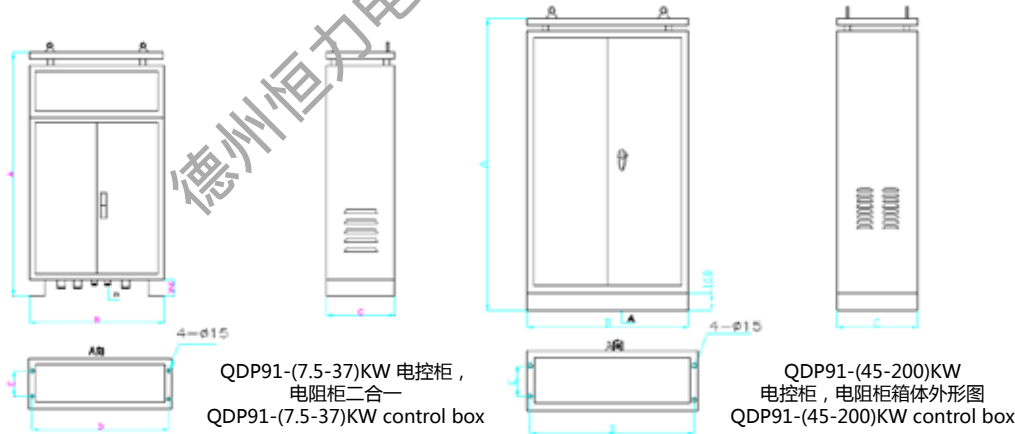
适用环境 Application environment	
环境温度 Ambient temperature	-25℃ ~ 45℃
倾斜、摇摆 Inclination/Swing	±22.5℃
有船舶正常营运时 Normal running of the vessel	产生的冲击、振动、盐雾、霉菌及海上潮湿空气的影响 impact、vibration、salt mist、fungus and humid by air
箱体防护等级 The protection class	IP22，也可根据用户要求做成 IP44 IP22 or IP44

QDP 系列电动机控制箱基本规格与电动机的配套和选型 QDP series and motor

对于风机泵型，变频柜的型号对应轻载变频器的功率，电机的功率选择可以与变频柜的型号对应也可以降低一个规格，不配电阻柜。
对于重载型，变频柜的型号对应重载变频器的功率，电机的功率选择可以与变频柜的型号对应也可以降低一个规格，配电阻柜。
Ventilation pump type: the frequency cabinet is related to light load power. The motor power can as same as the control box or reducing one class and no resistance cabinet.
The heavy load type: the frequency cabinet is related to heavy load power. The motor power can as same as the control box or reducing one class and no resistance cabinet.

安装及外形尺寸

Mounting and overall dimensions



变频柜型号 Type	安装及外形尺寸 Mounting and overall dimensions (mm)					备注 Note
QDP91-(7.5-11KW)	A	B	C	D	E	双门含制动电阻
QDP91-(15-18.5KW)	1300	700	500	650	400	Two door
QDP91-22KW	1600	700	500	650	400	(including brake-resistor)
QDP91-(30-37KW)	1800	700	500	650	400	
QDP91-(45-75KW)	2000	700	500	650	400	双门独立电阻柜
QDP91-90KW	1600	700	600	650	500	Two-door
QDP91-110KW	2000	700	600	650	500	(single brake-resistor)
QDP91-132KW	2000	800	600	750	500	
QDP91-160KW	2100	800	600	750	500	
QDP91-200KW	2100	1000	600	950	500	
	2100	1200	600	1150	500	



安装及外形尺寸 Mounting and overall dimensions

变频柜型号 Type	安装及外形尺寸 Mounting and overall dimensions (mm)					备注 Note
	A	B	C	D	E	
QDP91-(45-55KW)	1100	700	600	650	500	双门
QDP91-75KW	1300	700	600	650	500	Two door
QDP91-90KW	1300	700	600	650	500	
QDP91-110KW	1500	700	600	650	500	
QDP91-132KW	1700	700	600	650	500	
QDP91-160KW	2100	700	600	650	500	
QDP91-200KW	2200	700	600	650	500	

变频柜型号 Type	4KW 制动电阻数量 (单位: 根) 4Kw brake-resistor quantity (unit: pc)
QDP91-(7.5-11KW)	2
QDP91-(15-18.5KW)	3
QDP91-22KW	4
QDP91-(30-37KW)	6
QDP91-45KW	9
QDP91-55KW	11
QDP91-75KW	15
QDP91-90KW	16
QDP91-110KW	20
QDP91-132KW	24
QDP91-160KW	32
QDP91-200KW	40



QDR1 系列电动机软起动控制箱

QDR1 series motor control box (soft starting)

QDR1 系列电动机软起动控制箱用于各类船舶设备三相异步电动机的软起动控制，可有效控制电动机起动电流在 2.5 倍额定电流以内，从而减小对设备电源冲击，同时具有短路、缺相、过载及失压等保护功能。控制箱可设置异地控制功能。

QDR1 series motor control box is used by all kinds of ships, it can control the motor starting current under 2.5 times to the rated current range. This way can reduce the power shock to the equipments.

QDR1 series has the protection ability for short circuit, default phase, overload, and the remote control can be come true with QDR1 series motor control box.



电气特性

Electrical characteristics

适用环境

Application environment

环境温度 Ambient temperature	-25°C ~ 45°C
倾斜、摇摆 Inclination/Swing	±22.5°C
有船舶正常营运时 Normal running of the vessel	产生的冲击、振动、盐雾、霉菌及海上潮湿空气的影响 impact、vibration、salt mist、fungus and humid by air
箱体防护等级 The protection class	IP22，也可根据用户要求做成 IP44 或 IP56 IP22 or IP44 or IP56

QDR1 系列电动机软起动控制箱具体规格、外形及安装尺寸等可根据用户要求双方协商确定。

All kinds of QDR1 series products' specification、mounting way、dimension can be made according to the requests of the customer.

德州恒力电机有限责任公司



QDZ 系列智能型电动机控制箱

QDZ series intelligent motor control box

QDZ 系列智能型电动机控制箱用于各类船舶设备三相异步电动机的智能控制，通过 PLC 编程实现对电动机程序化智能控制，同时具有短路、缺相、过载及失压等保护功能。控制箱可设置异地控制功能。

QDZ series control box is used by all kinds of ships, it can control the motor with PLC system intelligently, and has the protection ability for short circuit, default phase, overload. The remote control can be come true with QDZ series control box.



电气特性

Electrical characteristics

适用环境

Application environment

环境温度 Ambient temperature	-25°C ~ 45°C
倾斜、摇摆 Inclination/Swing	±22.5°C
有船舶正常营运时 Normal running of the vessel	产生的冲击、振动、盐雾、霉菌及海上潮湿空气的影响 impact、vibration、salt mist、fungus and humid by air
箱体防护等级 The protection class	IP22，也可根据用户要求做成 IP44 或 IP56 IP22 or IP44 or IP56

QDZ 系列智能型电动机控制箱具体规格、外形及安装尺寸等可根据用户要求双方协商确定。

All kinds of QDZ series products' specification、mounting way、dimension can be made according to the requests of the customer.

德州恒力电机有限责任公司



QDJ 系列电动机自藕降压起动控制箱

QDJ series motor auto-transformer starting control box

QDJ 系列电动机自藕降压起动控制箱用于各类船舶设备三相异步电动机的自藕降压起动控制，通过设置和选取不同的变压器抽头，可有效控制电动机起动电流在 1.3 倍额定电流之内，从而减小对设备电源冲击，同时具有短路、缺相、过载及失压等保护功能。控制箱可设置异地控制功能。

QDJ 系列电动机自藕降压起动控制箱通过增加一些控制、报警、信号控制等功能，可用于船舶侧向推进器电机的控制。

QDJ series is suitable to all kinds of ships to control the motor. It can control motor starting current in 1.3 times rated current range through set up and choose different tap head of transformer. This can reduce the shock to the power device, at the same time, it has the protection ability for short circuit, default phase, overload and voltage losing. The control box can set up remote control function.

QDJ series can be used to control single side thrusters through increasing control, alarm and signal control functions.



电气特性

Electrical characteristics

适用环境

Application environment

环境温度 Ambient temperature	-25°C ~ 45°C
倾斜、摇摆 Inclination/Swing	±22.5°C
有船舶正常营运时 Normal running of the vessel	产生的冲击、振动、盐雾、霉菌及海上潮湿空气的影响 impact、vibration、salt mist、fungus and humid by air
箱体防护等级 The protection class	IP22，也可根据用户要求做成 IP44 或 IP56 IP22 or IP44 or IP56

QDJ 系列电动机自藕降压启动控制箱具体规格、外形及安装尺寸等可根据用户要求双方协商确定。

All kinds of QDJ series products' specification、mounting way、dimension can be made according to the requests of the customer.

德州恒力电机有限责任公司



QDR2 系列绕线转子电动机转子回路串电阻起动控制箱

QDR2 series rotor circuit series resistance starting control box of winding rotor motor

QDR2 系列绕线转子电动机转子回路串电阻起动控制箱用于各类船舶设备三相异步绕线转子电动机起动控制，通过在转子回路串频敏变阻器或多段式电阻器，可有效控制电动机起动电流，从而减小对设备电源冲击，提高电动机起动转矩，同时具有短路、缺相、过载及失压等保护功能。控制箱可设置异地控制功能。

QDR2 series is suitable to all kinds of ships to control the three phase induction motor, the control box can control motor starting current via rotor return circuit, frequency sensitive rheostat or multi section resistor. And can reduce the shock to the power equipment. it has the protection ability for short circuit, default phase, overload and voltage losing. The control box can set up remote control function.



电气特性

Electrical characteristics

适用环境

Application environment

环境温度 Ambient temperature	-25°C ~ 45°C
倾斜、摇摆 Inclination/Swing	±22.5°C
有船舶正常营运时 Normal running of the vessel	产生的冲击、振动、盐雾、霉菌及海上潮湿空气的影响 impact、vibration、salt mist、fungus and humid by air
箱体防护等级 The protection class	IP22，也可根据用户要求做成 IP44 或 IP56 IP22 or IP44 or IP56

QDR2 系列绕线转子电动机转子回路串电阻起动控制箱具体规格、外形及安装尺寸等可根据用户要求双方协商确定。

All kinds of QDR2 series products' specification、mounting way、dimension can be made according to the requests of the customer.

德州恒力电机有限责任公司



BQC 系列 (II B 型) 船用防爆电动机控制箱

BQC series (II B) marine explosion proof motor control box

BQC 系列 (II B 型) 船用防爆型电动机控制箱适用于各类天然气船、化学品船、油船、石油平台等具有爆炸性气体环境危险场所的设备交流电动机的启动、运行控制，其控制方法可以为：直接启动、星角启动、自藕降压、软启动等多种方式。控制箱可设置异地控制功能。

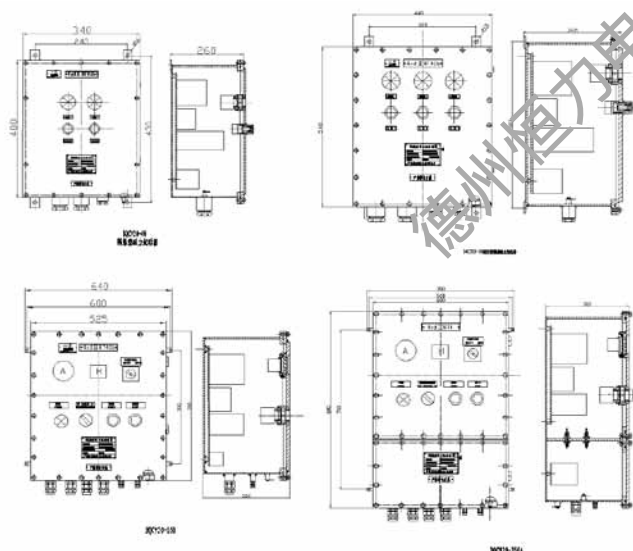
BQC series (II B) marine explosion proof motor control box is used to control AC motor' s starting and running on gas ship, chemical ship, oil ship and oil platform under explosive gas atmosphere hazardous place. The control methods are divided to direct starting, star angle starting, self coupled voltage reduction and soft starting. The control box can set up remote control function.

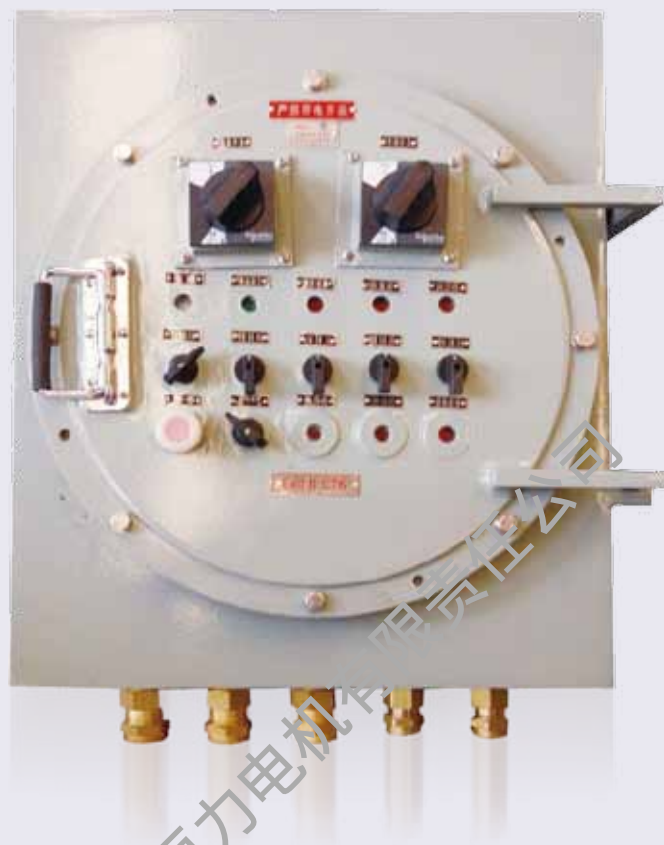
适用环境

Application environment

环境温度 Ambient temperature	-25℃ ~ 45℃
有海上潮湿空气油雾、盐雾 Humid air, oil mist, salt mist	
有船舶正常营运时产生的冲击、振动 There are influences of shock, vibration when the ship is in normal running	
倾斜、摇摆 Inclination, Swing	±22.5℃
爆炸性气体环境危险场所 Explosive gas atmosphere hazardous location	1 区、2 区 1 district, 2 district
可燃性气体蒸汽级别 Steam level of inflammable gas	II A II B
温度组别 Temperature classification	T1-T4
控制箱防爆等级 Explosion proof class of control box	Exd II BT4, 防护等级: IP56 Exd II BT4, Protection class: IP56

Mounting and overall dimensions





BQC 系列 (II C 型) 防爆电动机控制箱

BQC series (II C) marine explosion proof motor control box

BQC 系列防爆型电动机控制箱适用于各类天然气船、化学品船、油船、石油平台等具有爆炸性气体环境危险场所的设备交流电动机的启动、运行控制，其控制方法可以为：直接启动、星角启动、自藕降压、软启动等多种方式。控制箱可设置异地控制功能。

BQC series II C) marine explosion proof motor control box is used to control AC motor's starting and running on gas ship, chemical ship, oil ship and oil platform under explosive gas atmosphere hazardous place. The control methods are divided to direct starting, star angle starting, self coupled voltage reduction and soft starting. The control box can set up remote control function.

电气特性

Electrical characteristics

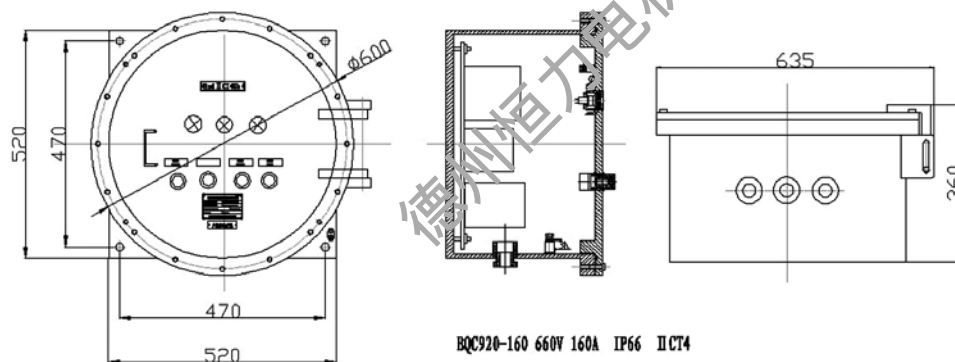
适用环境

Application environment

环境温度 Ambient temperature	-25°C ~ 45°C
有海上潮湿空气油雾、盐雾 Humid air, oil mist, salt mist	
有船舶正常营运时产生的冲击、振动 There are influences of shock, vibration when the ship is in normal running	
倾斜、摇摆 Inclination, Swing	±22.5°C
爆炸性气体环境危险场所 Explosive gas atmosphere hazardous location	1 区、2 区 1 district, 2 district
可燃性气体蒸汽级别 Steam level of inflammable gas	II C
温度组别 Temperature classification	T1-T4
控制箱防爆等级 Explosion proof class of control box	Exd II CT4, 防护等级 : IP56 Exd II CT4, Protection class: IP56

安装及外形尺寸

Mounting and overall dimensions





ZP 系列船用配电板

ZP series marine switchboard

ZP 系列船用配电板适用于各类船舶、海洋平台、港口、码头、固定或移动电站等领域，额定电压 690V 及以下，频率 50/60HZ，控制功率在 20---1600KW 范围，单台或多台发电机并联运行的供电系统，实现对发电机和系统的控制、监测和保护以及岸电联锁、网络电能分配等。

It is used in every kind of warship/ship, ocean platform, port, dock, fixed or mobile power station. The rated voltage is not more than 690V, the frequency is 50/60HZ and the control power is from 20 to 1600KW. Through power supply system with single or multiple generators operating in parallel to control, inspect and protect generator and system and shore power interlock, network power division.



电气特性

Electrical characteristics

功能配置 (根据用户要求选配) Function configuration (according to customer's requirements)

过载和短路保护功能 Overload and short circuit protection

过电压、欠电压保护功能 Overvoltage and voltage loss protection

过频及欠频保护功能 Over frequency and frequency loss protection

船电及岸电互锁功能 Ship/shore power interlock

发电机手动、自动并车功能 Generator manual and automatic parallel operation

手动、自动调压、调频、调载功能 Manual/automatic voltage, frequency, load adjustment

电网绝缘监测功能 Insulation inspection of power network

电参数测量功能 Measuring electrical parameter

故障报警功能 Fault alarm

订货须知：需提供以下要求 Ordering instruction

发电机参数 (电参数及调速、调压方式) Generator parameter (electrical parameter, speed and voltage adjustment method)

电力一次系统图 Electricity one time system diagram

配电室空间尺寸 Space diameter of power distribution room

仪表配置 Instrument configuration

主开关、负载开关型式 Main switch, overload switch

维修方式 (板前、板后) Maintenance method (front panel, back panel)

进线方式 (上、后、底) Inlet wire method (upper, back, bottom)

其他 Others



YN4-H 系列船用按钮盒

YN4-H series marine button box

YN4-H 系列船用按钮盒适用于各类船舶，与相应设备、电机控制箱配合，可异地远距离控制电动机的起动、停止和运行。

YN4-H series is suitable to all kinds of ships, and it can be equipped with marine control box and other related equipments. This series also can control the motor start and stop at long distance.

电气特性

Electrical characteristics

适用环境

Application environment

环境温度 Ambient temperature	-25°C ~ 45°C
倾斜、摇摆 Inclination/Swing	±22.5°C
有船舶正常营运时 Normal running of the vessel	产生的冲击、振动、盐雾、霉菌及海上潮湿空气的影响 impact, vibration, salt mist, fungus and humid by air
按钮盒电压 Voltage	≤ 220V
额定工作电流 Rated current	5A
按钮盒防护等级 Protection class	IP56, 壳体为钢、不锈钢、铝合金、塑料等 IP56
按钮盒可配置 Button box configurable	指示灯、停止按钮、急停按钮、转换开关等，可配置一位或多位 The box can have guiding light, stop button, emergency stop and so on

主要技术数据

Main technical data

型号 Type

YN4-10H

YN4-20H

YN4-21H

YN4-22H

位数 Digit

1 钮 1 button

2 钮 2 button

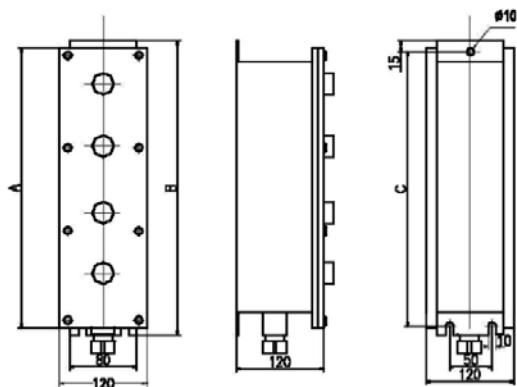
2 钮 1 灯 2 button 1 lamp

2 钮 2 灯 2 button 2 lamp

安装及外形尺寸

Mounting and overall dimensions

钢壳、不锈钢壳 1-4 位按钮盒的外形及安装尺寸：
Steel housing, stainless steel housing 1-4 digit button box.



	A	B	C
一位 1 digit	120	140	115
二位 2 digit	180	200	175
三位 3 digit	240	260	235
四位 4 digit	300	320	295

按钮防护盒：可根据用户要求制作按钮防护盒。
Button protection box: the button protection box can be made according to the requirements of the user.



BYN2-H 系列船用防爆按钮盒系列

BYN2-H series marine explosion proof button box

BYN2-H 系列船用防爆按钮盒适用于各类天然气船、化学品船、油船、石油平台等。具有爆炸性气体环境危险场所的设备与相应设备电机控制箱配合，可异地远距离控制电动机的起动、停止和运行。

BYN2-H series is suitable to the gas ship, chemical ship, oil ship and oil platform under explosive gas hazardous place. The button box can set up remote control function.

电气特性

Electrical characteristics

适用环境

Application environment

环境温度 Ambient temperature	-25°C ~ 45°C
有船舶正常营运时 Normal running of the vessel	产生的冲击、振动、盐雾、霉菌及海上潮湿空气的影响 impact, vibration, salt mist, fungus and humid by air
倾斜、摇摆 Inclination/Swing	±22.5°C
爆炸性气体环境危险场所 Hazardous place	1 区、2 区 1 class, 2 class
可燃性气体蒸汽级别 Gas level	II C
温度组别 Temperature class	T1-T6
按钮盒电制 Voltage and frequency	380V/50HZ 440V/60HZ 等
额定工作电流 Rated current	5A
防爆等级 Explosion proof class	Exde IICT6
按钮盒防护等级 Button box IP	IP56. 壳体为钢、不锈钢、铝合金、塑料等 IP56
按钮盒可配置 Button box configurable	指示灯、停止按钮、急停按钮、转换开关等，可配置一位或多位 The box can have guiding light, stop button, emergency stop and so on

主要技术数据

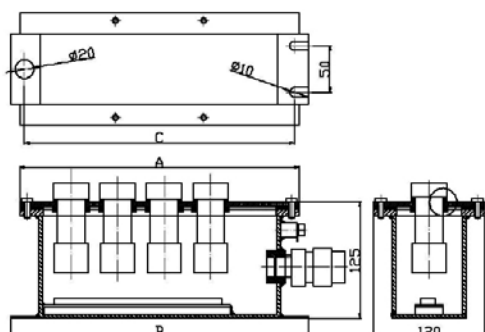
Main technical data

型号 Type	位数 Digit
BYN2-010H	1 钮 1 button
BYN2-020H	2 钮 2 button
BYN2-021H	2 钮 1 灯 2 button 1 lamp

安装及外形尺寸

Mounting and overall dimensions

钢壳、不锈钢壳 1-4 位按钮盒的外形及安装尺寸：
Steel housing, stainless steel housing 1-4 digit button box.



	A	B	C
一位 1 digit	120	140	110
二位 2 digit	180	200	170
三位 3 digit	240	260	230
四位 4 digit	300	320	290

按钮防护盒：可根据用户要求制作按钮防护盒。
Button protection box: the button protection box can be made according to the requirements of the user.



JX 系列船用接线箱

JX series marine connecting box

适用于各类船舶交直流电路，做电气回路的连接、转接或保护。

It is suitable to all kinds of A/DC circuit, and has the function such as connection、 protection and so on.



电气特性

Electrical characteristics

适用环境

Application environment

环境温度 Ambient temperature	-25°C - 45°C
倾斜、摇摆 Inclination/Swing	±22.5°C
有船舶正常营运时 Normal running of the vessel	产生的冲击、振动、盐雾、霉菌及海上潮湿空气的影响 impact、vibration、salt mist、fungus and humid by air

船用接线箱

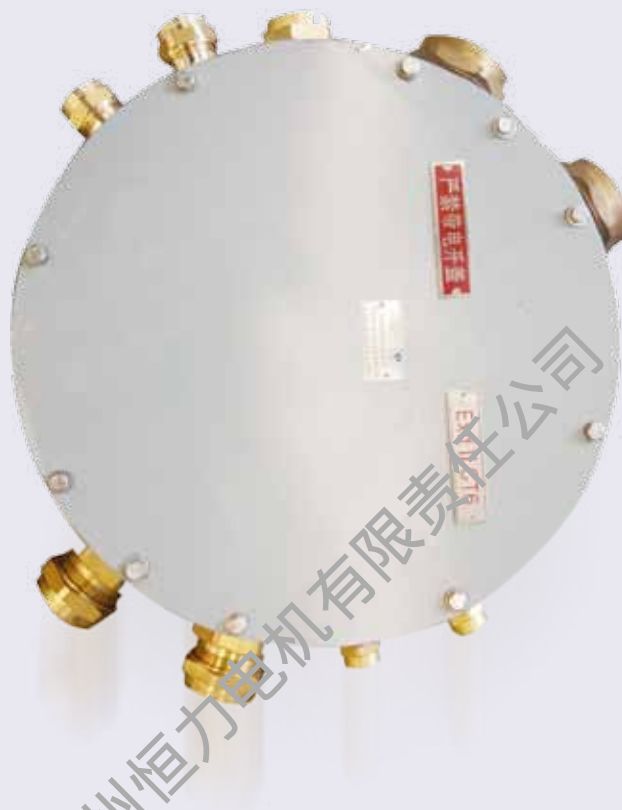
Marine connecting box

工作电压 Voltage	≤ 600V
防护等级 Protection class	IP56

工作电流、接线端子和填料函配置、外形及安装尺寸等按用户要求。

The current, terminal block and cable gland configuration, mounting way can be made according to the requests of customers.

德州恒力电机有限责任公司



BJX 系列船用防爆接线箱

BJX series EX-connecting box

适用于各类天然气船、化学品船、油船、石油平台等。

具有爆炸性气体环境危险场所的交直流电路，做电气回路的连接、转接或保护。

BJX series is suitable to all kinds of LNG ships, chemical ships, oil platform and so on.

It can be used as AC/DC current to connect the different equipments in hazardous gas location.



电气特性

Electrical characteristics

适用环境

Application environment

环境温度 Ambient temperature	-25°C ~ 45°C
倾斜、摇摆 Inclination/Swing	±22.5°C
有船舶正常营运时 Normal running of the vessel	产生的冲击、振动、盐雾、霉菌及海上潮湿空气的影响 impact、vibration、salt mist、fungus and humid by air
爆炸性气体环境危险场所 Hazardous place	1 区、2 区 1 class, 2 class
可燃性气体蒸汽级别 Gas level	II C
温度组别 Temperature class	T1-T6

船用防爆接线箱

Marine connecting box

工作电压 Voltage	≤ 600V
防护等级 Protection class	IP56
防爆等级 EX-class	ExdIICT6 ExdIICT4

工作电流、接线端子和填料函配置、外形及安装尺寸等按用户要求。

The current, terminal block and cable gland configuration, mounting way can be made according to the requests of customers.

德州恒力电机有限责任公司



LK911-A 系列船用主令控制器(基本型)

LK911-A series marine master controller (basic type)

LK911-A 系列船用主令控制器（基本型）适用于各类交流或直流控制电路，与电气控制箱配合，用来控制各类锚绞机械设备电动机的启动、运行、变速、逆转和制动。

LK911-A series marine master controller is suitable for every kind of AC or DC circuit. It can equip with electrical control box to control the starting, running, speed changing, reversal and so on.

电气特性

Electrical characteristics

适用环境

Application environment

环境温度 Ambient temperature	-25°C ~ 45°C
倾斜、摇摆 Inclination/Swing	±22.5°C
有船舶正常营运时 Normal running of the vessel	产生的冲击、振动、盐雾、霉菌及海上潮湿空气的影响 impact、vibration、salt mist、fungus and humid by air
主令控制器机构简单可靠，触头开合采用棘轮控制机构，动静触头用银合金材质，外壳为铸铝合金。 The controller structure is simple, and the housing is cast aluminum alloy material.	

主要技术指标

Main technical data

外壳防护等级 Housing protection class	IP56
额定电压 Rated voltage	交流 AC ≤ 440V；直流 DC ≤ 220V
约定发热电流 Conventional thermal current	10A

订货须知

Note

- A 主令控制器手柄可配置在控制器的右侧或左侧，应注明。如不注明则按右侧设置。
B 主令控制器电路数 ≤ 8，均可配电流表。用户应提供电流表量程。
C 主令控制器正常为手动复位，电路数 ≤ 12，可做成自动复位。但选择自动复位和带电流表，两者只能选择其一。
本型主令控制器可根据用户要求，加装不锈钢防护罩。

A、The handle of the master controller can be equipped on the right side or the left side, please state that. If there is no statement, it will be on the right side.

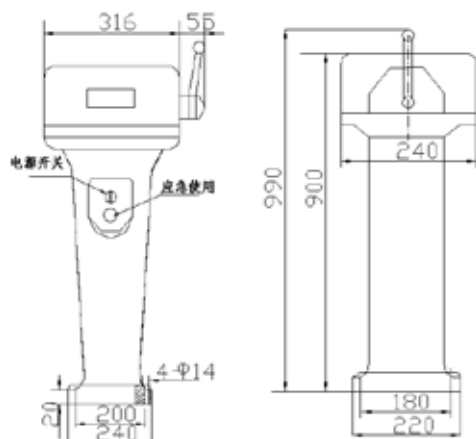
B、The circuit quantity of master controller is not more than eight. The customer should provide the measuring range of ammeter.

C、The master controller usually is return by hand, the circuit quantity is not more than twelve and can be made to automatic return. But automatic return and ammeter can choose only one.

The master controller can add stainless protection cover according to the customer's requirements.

安装及外形尺寸

Mounting and overall dimensions





LK911-A/F系列

船用主令控制器（自动复位型）

LK911-A/F series marine master controller (self-reset type)

LK911-A/F 系列船用主令控制器适用于各类控制电路，与电气控制箱配合，用来控制各类锚绞机械设备电动机的启动、运行、变速、逆转和制动。可根据用户需要做成恒张力控制或带 4-20mA 模拟信号输出；亦可根据需要做成双手柄控制。

LK911-A/F series is suitable for all kinds of control circuit. It equips with electrical control box to control the starting, speed changing, reversal and braking of motors. According to customer's requirements, it can be made to constant tension control or 4-20mA analog signal or double handle control.

电气特性 Electrical characteristics

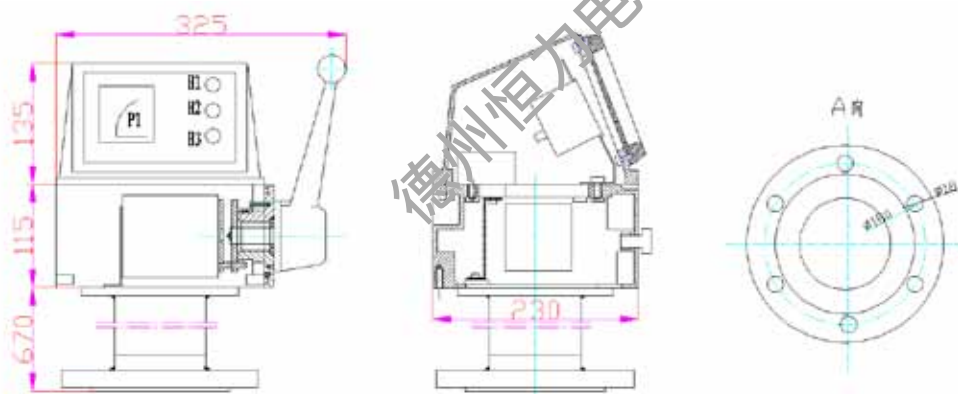
主令控制器适用于如下环境 Application environment

环境温度 Ambient temperature	-25°C ~ 45°C
倾斜、摇摆 Inclination/Swing	±22.5°C
有船舶正常营运时 Normal running of the vessel	产生的冲击、振动、盐雾、霉菌及海上潮湿空气的影响 impact、vibration、salt mist、fungus and humid by air

主令控制器采用铸铝合金外壳，外壳为可拆装式，其主要技术指标 Main technical data

外壳防护等级 Housing protection class	IP56
额定电压 Rated voltage	交流 AC 440V；直流 DC 220V
约定发热电流 Conventional thermal current	10A

安装及外形尺寸 Mounting and overall dimensions





BLK911-A 系列 船用防爆主令控制器（防爆型）

BLK911-A series marine explosion proof master controller (explosion-proof type)

BLK911-A 系列船用主令控制器适用于各类天然气船、化学品船、油船、石油平台等具有爆炸性气体环境危险场所，与电气控制箱配合，用来控制各类锚绞机械设备电动机的启动、运行、变速、逆转和制动。

BLK911-A series is suitable to the hazardous gas location, such as gas ship, chemical ship, oil ship and oil platform. It can equip with electrical control box to control the starting, speed changing, reversal and braking of motors which are used on winch devices.

电气特性

Electrical characteristics

适用环境

Application environment

环境温度 Ambient temperature	-25°C ~ 45°C
海上潮湿空气油雾、盐雾 Salt mist、fungus and humid	有 Exist
有船舶正常营运时 Inclination/Swing	产生的冲击、振动、倾斜、摇摆：±22.5 度 ±22.5°C
爆炸性气体环境危险场所 Hazardous place	1 区、2 区 1 class, 2 class
可燃性气体蒸汽级别 Gas level	II A ; II B
温度组别 Temperature class	T1-T4

主令控制器

Marine controller

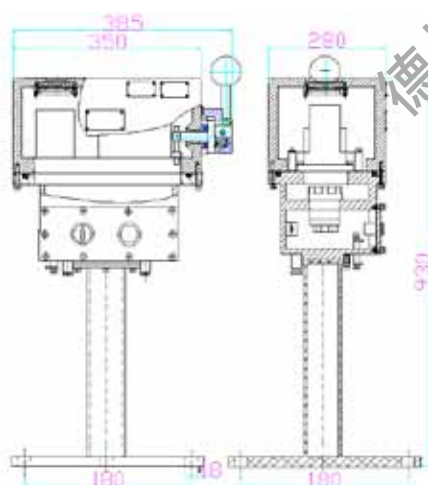
防爆等级 Ex- class	Exd II BT4
防护等级 Protection class	IP56

其他技术指标同基本型。

Other technical indicators and basic types.

安装及外形尺寸

Mounting and overall dimensions





XMS91 系列锚机控制箱

XMS91 series anchor control box

XMS91 系列锚机控制箱适用于各类船舶和石油平台电动锚机及系缆绞车交流电动机的启动、制动、正转或反转、变速控制，具有短路、缺相、过载及失压等保护功能。

It is used to control anchors and windlass AC motor's starting, stop, clockwise rotation or counter clockwise rotation. It has the protection ability for short circuit, default phase, overload and voltage losing.



电气特性

Electrical characteristics

适用环境

Application environment

环境温度 Ambient temperature	-25°C ~ 45°C
倾斜、摇摆 Inclination, Swing	±22.5°C
有船舶正常营运时 Normal running of the vessel	产生的冲击、振动、盐雾、霉菌及海上潮湿空气的影响 impact、vibration、salt mist、fungus and humid by air
锚机控制箱按所控制的电动机的不同分为单速、双速、三速，双速和三速控制箱应与主令控制器配合使用。箱体防护等级 IP22，也可根据用户要求做成 IP44 或 IP56。 Anchor control box is divided to single speed, double speeds and three speeds according to the controlled motor. Three speeds control box should use with main controller. The protection class of the box is IP22 or IP44/IP56 according to the customer's requirements.	

主要技术数据

Main technical data

锚机控制箱与配套电动机的配套和选型按下表：

The matching and selection of the anchor machine control box and the auxiliary motor and the type selection press table:

船用 JZ₂-H 系列单速电动机配套数据表

JZ₂-H series (single speed): the type of anchor control box and equipped motor is as following

控制箱型号 Control box type	额定工作电流 (A) Current	受控电动机 Motor		额定功率 (KW) Power	额定电流 (A) Current	备注 Note
		型号 Type	极数 Pole			
XMS91-16A	16	JZ ₂ -H-11	4	1.5	4.3	常规无主令控制器， 可选用遥控按钮盒 控制正反转 Conventional no master controller, a remote control button box can be used to control positive and reverse
		JZ ₂ -H-12	4	2.2	6.0	
		JZ ₂ -H-13	4	3.5	8.9	
		JZ ₂ -H-21	4	5	12	
		JZ ₂ -H-31	6	3.5	10	
		JZ ₂ -H-22	6	5	13.3	
XMS91-25A	25	JZ ₂ -H-31	6	7.5	19.2	
XMS91-32A	32	JZ ₂ -H-32	6	11	26.8	
XMS91-40A	40	JZ ₂ -H-41	6	16	35	
		JZ ₂ -H-41	8	11	28.9	

船用 YZ-H 系列单速电动机配套数据表

YZ-H series (single speed): the type of anchor control box and equipped motor is as following

控制箱型号 Control box type	额定工作电流 (A) Current	受控电动机 Motor		额定功率 (KW) Power	额定电流 (A) Current	备注 Note
		型号 Type	极数 Pole			
XMS91-16A	16	YZ-112S-H	4	1.5	4.3	常规无主令控制器， 可选用遥控按钮盒 控制正反转 Conventional no master controller, a remote control button box can be used to control positive and reverse
		YZ-112M-H	4	2.2	6.0	
		YZ-112L-H	4	3.7	9.6	
		YZ-112S-H	6	1.1	3.5	
		YZ-112M-H	6	1.5	4.65	
		YZ-112L-H	6	2.2	6.6	
		YZ-132S-H	6	3.7	10.5	
		YZ-132M1-H	4	5.5	13.4	
XMS91-25A	25	YZ-132M-H	6	5.5	15.3	
		YZ-132M2-H	4	7.5	18.5	
		YZ-160S-H	6	7.5	19.73	
XMS91-32A	32	YZ-160L-H	6	11	26.8	
XMS91-40A	40	YZ-180L-H	6	15	36	



主要技术数据

Main technical data

船用 JZ₂-H 系列双速电动机配套数据表

JZ₂-H series (double speed): the type of anchor control box and equipped motor is as following

控制箱型号 Control box type	额定工作电流 (A) Current	受控电动机 Motor		额定功率 (KW) Power	额定电流 (A) Current	配套主令控制器型号 Matching master controller model
		型号 Type	极数 Pole			
XMS91-16/2	16	JZ ₂ -H-22	4/12	3/1.2	6.8/7.2	LK911-117A
		JZ ₂ -H-23	4/12	4.3/1.7	9.5/10.1	
		JZ ₂ -H-32	4/12	6/2.5	12.9/11.3	
XMS91-25/2	25	JZ ₂ -H-33	4/12	8.5/3.5	17.9/14.8	
		JZ ₂ -H-32	4/16	6/1.7	-	
		JZ ₂ -H-33	4/16	8.5/2.4	19.2/11.6	
XMS91-40/2	40	JZ ₂ -H-41	4/16	12/3.5	25/18.5	
		JZ ₂ -H-42	4/16	1.8/5	37/23.8	

船用 YZ-H 系列双速电动机配套数据表

YZ-H series (double speed): the type of anchor control box and equipped motor is as following

控制箱型号 Control box type	额定工作电流 (A) Current	受控电动机 Motor		额定功率 (KW) Power	额定电流 (A) Current	配套主令控制器型号 Matching master controller model
		型号 Type	极数 Pole			
XMS91-16/2	16	YZ-112L-H	4/12	2.2/0.75	6.5/5.4	LK911-117A
		YZ-132M-H	4/12	3/1.1	8.7/7.6	
		YZ-132L-H	4/12	4/1.5	10.3/9.1	
XMS91-25/2	25	YZ-160L-H	4/12	6.3/2.2	15.4/12	
		YZ-180L-H	4/12	8.5/3.5	19.3/18	
		YZ-180L-H	4/16	11/3	25/16.6	
XMS91-40/2	40	YZ-200M-H	4/16	15/4	32.8/24.1	
XMS91-63/2	63	YZ-200L-H	4/16	18.5/5.5	40.4/32.6	

船用 JZ₂-H 系列三速电动机配套数据表

JZ₂-H series (triangle speed): the type of anchor control box and equipped motor is as following

控制箱型号 Control box type	额定工作电流 (A) Current	受控电动机 Motor		额定功率 (KW) Power	额定电流 (A) Current	配套主令控制器型号 Matching master controller model
		型号 Type	极数 Pole			
XMS91-32/3	32	JZ ₂ -H-41	4/8/16	7.5/7.5/5	16.8/17.8/26	LK911-110A
XMS91-40/3	40	JZ ₂ -H-42	4/8/16	11/11/7.5	23/25.3/38.2	
XMS91-63/3	63	JZ ₂ -H-51	4/8/16	16/16/11	33/35.2/49	
XMS91-100/3	100	JZ ₂ -H-52	4/8/16	22/22/16	44/47.8/71	
		JZ ₂ -H-61	4/8/16	30/30/22	60.5/69.5/96	
XMS91-160/3	100	JZ ₂ -H-71	4/8/16	45/45/30	85.5/100/142	
XMS91-250/3	250	JZ ₂ -H-72	4/8/16	60/60/45	114/135/196	
XMS91-400/3	400	JZ ₂ -H-81	4/8/16	85/85/64	160/195/337	

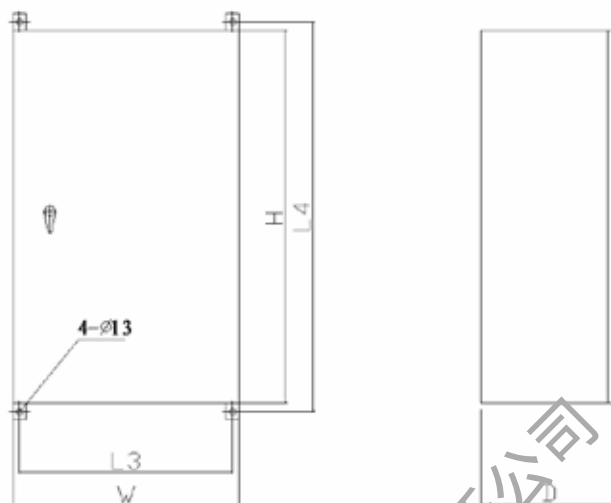
船用 YZ-H 系列三速电动机配套数据表

YZ-H series (triangle speed): the type of anchor control box and equipped motor is as following

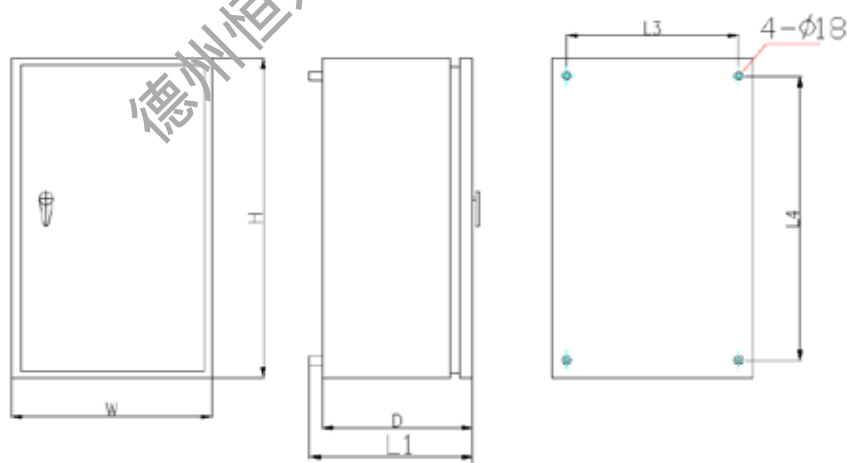
控制箱型号 Control box type	额定工作电流 (A) Current	受控电动机 Motor		额定功率 (KW) Power	额定电流 (A) Current	配套主令控制器型号 Matching master controller model
		型号 Type	极数 Pole			
XMS91-40/3	40	YZ-200S-H	4/8/16	9/9/4.2	21.4/24.7/37.2	LK911-110A
XMS91-63/3	63	YZ-200L-H	4/8/16	12.5/12.5/5.7	29.3/34.3/49.5	
XMS91-100/3	100	YZ-225S-H	4/8/16	16.8/16.8/8	38.9/46.2/67.6	
		YZ-225L-H	4/8/16	22.5/22.5/10.6	51.5/60.3/85.6	
		YZ-250S-H	4/8/16	30/30/14.5	63.8/71.3/105.5	
XMS91-160/3	160	YZ-250M-H	4/8/16	42/42/20	86.3/95/112.6	
		YZ-280S-H	4/8/16	56/56/27	114/120.6/147.5	
XMS91-250/3	250	YZ-280L-H	4/8/16	75/75/36	154/161.5/182	
XMS91-300/3	300	YZ-315S-H	4/8/16	100/100/48	198/209/303	
XMS91-400/3	400	YZ-315L-H	4/8/16	135/135/65	267/282/410	

安装及外形尺寸

Mounting and overall dimensions



型号 Type	H	W	D	L3	L4	备注 Note
XMS91-16A	500	400	200	340	530	单门 IP44
XMS91-25A	500	400	200	340	530	Single IP44
XMS91-32A	500	400	200	340	530	
XMS91-40A	600	500	200	440	630	

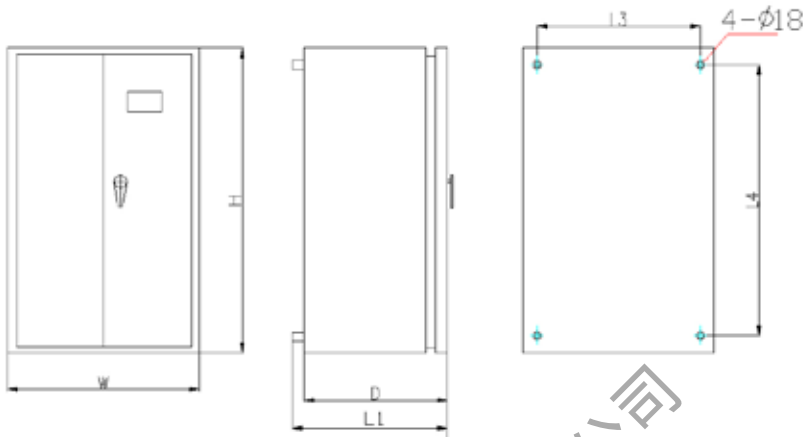


型号 Type	H	W	D	L1	L3	L4	备注 Note
XMS91-16/2	700	520	220	230	420	600	单门 IP22
XMS91-25/2	700	520	220	230	420	600	Single IP22
XMS91-40/2	800	520	220	230	420	700	
XMS91-63/2	1000	550	280	290	450	900	

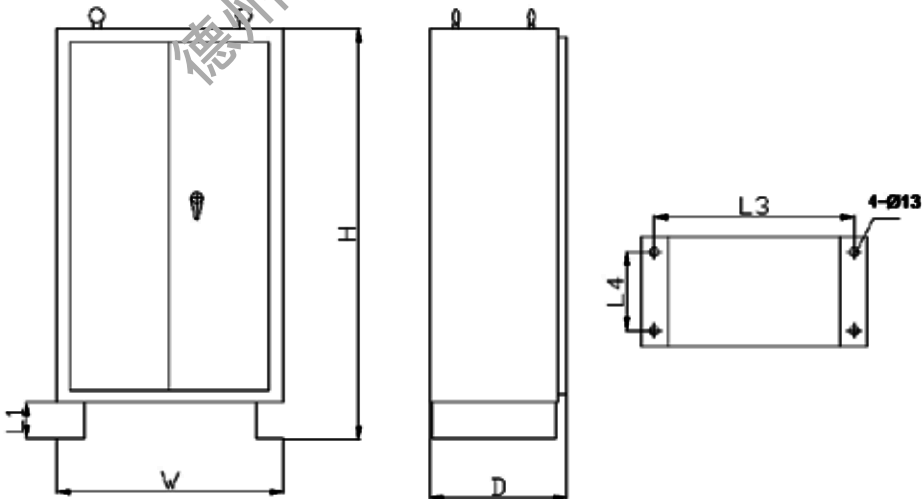


安装及外形尺寸

Mounting and overall dimensions



型号 Type	H	W	D	L1	L3	L4	备注 Note
XMS91-32/3	900	520	220	230	420	800	单门 IP22
XMS91-40/3	1000	550	280	290	450	900	Single IP22
XMS91-63/3	1000	550	280	290	450	900	
XMS91-100/3	1200	700	280	290	600	1100	双门 IP22
XMS91-160/3	1200	700	280	290	600	1100	Double door
XMS91-250/3	1400	850	320	330	750	1300	IP22



型号 Type	H	W	D	L1	L3	L4	备注 Note
XMS91-300/3	1800	9500	350	160	890	250	单门 IP44
XMS91-400/3	1800	9500	350	160	890	250	Single IP44



集中控制台系列

Integrated console series

船舶用集中控制台包括船舶机舱集中控制台、驾驶室控制台、各类辅机集中及联动控制台等，可分别实现对舰船主机、各类辅机进行集中控制、监测、报警及安全保护。驾驶室集中控制台根据用户要求可配置主机遥控、监测报警、声力电话、广播系统、雾笛系统等设备。

Naval/marine use integrated console includes: warship/ship engine room integrated console, wheelhouse console, every kinds of integrated and coupled console. It can integrate to control, inspect, alarm and safety protection for main engines and every kinds of auxiliaries. The wheelhouse integrated console can equipped with main engine control, inspection alarm, sound power telephone, broadcast system and fog horn equipments according to the customer's requirements.



电气特性

Electrical characteristics

适用环境 Application environment	
环境温度 Ambient temperature	-25°C ~ 45°C
倾斜、摇摆 Inclination, Swing	±22.5°C
有船舶正常营运时 Normal running of the vessel	产生的冲击、振动、盐雾、霉菌及海上潮湿空气的影响 impact、vibration、salt mist、fungus and humid by air
集中控制台基本防护等级 IP20，单体式最高可达 IP56。多个分体组合时采用共用基座。壳体为钢板，有通风散热、防鼠、防震等措施。 The protection of integrated console class is IP20. The highest protection class of single type can reach IP56. Multi-splits can use common base when they combined. The housing is steel with ventilating, heat dissipation, rat proof and shock proof methods.	
订货须知：应提供以下要求 Ordering instruction	
外形及安装尺寸 Overall and mounting dimensions	
结构形式及防护等级 Structure and protection class	
面板布置及系统设备配置要求 Panel arrangement and system equipments configuration requirements	
台面设备的外形安装尺寸及外接线图 Overall mounting dimension and external connecting drawing of table top equipments	
电气系统及电气原理图 Electrical system and electrical schematic diagram	
船检及入级要求 Society classification and regulations	

德州恒力电机有限责任公司



恒力电机 永恒动力 Hengli Motor Endless Power

[Http://www.dzhldj.com](http://www.dzhldj.com)

德州恒力电机有限责任公司

Dezhou Hengli Electrical Machinery Co., Ltd

地址：山东德州运河经济开发区鑫源大道 26 号

Add: No.26 Xinyuan Road, Canal Economic Development Zone, Dezhou City, Shandong Province.P.R.C

邮编 P.C.: 253005

电话 Tel: +86-0534-2421958

E-mail: hldj@dzhldj.com

网址 Website: [Http://www.dzhldj.com](http://www.dzhldj.com)

电机销售部

Motor sales department

电话 Tel: +86-0534-2421028 / 2498254 / 2480680

传真 Fax: +86-0534-2480524

控制箱销售部

Control box sales department

电话 Tel: +86-0534-2461077

传真 Fax: +86-0534-2461080

技术开发中心

Technology research center

电话 Tel: +86-0534-2498227

传真 Fax: +86-0534-2423813

售后服务部

After sale service department

电话 Tel: +86-0534-2498259

外贸部

Foreign trade department

电话 Tel: +86-0534-2498270

无锡 (Wuxi)

德州恒力电机有限责任公司无锡公司

Dezhou Hengli Electrical Machinery Co., Ltd -- Wuxi Branch

地址：无锡市堰桥镇锡澄路堰桥收费站西南侧 (燕东汽修厂内)

Add: Southwest Yanqiao toll station, Xicheng Road, Yanqiao Town, Wuxi City (inside Yandong Garage)

电话 Tel: 0510-83574903

传真 Fax: 0510-85471260

青岛 (Qingdao)

德州恒力电机有限责任公司青岛办事处

Dezhou Hengli Electrical Machinery Co., Ltd -- Qingdao Branch

地址：青岛市即墨市通济街道前枣杭村兴华景园工业园

Add: Xinghuajingyuan Industrial Park, Front Zaohang villiage, Tongji Street, Jimo City, Qingdao City

电话 Tel: 0532-82513330

传真 Fax: 0532-82513330

苏北 (Subei)

德州恒力电机有限责任公司苏北办事处

Dezhou Hengli Electrical Machinery Co., Ltd -- Subei Branch

地址：泰兴市鼓楼西路祥生君城 17 号楼 1802 室

Add: Room 1802, No.17 building, Xiangshengjuncheng, Gulou West Road, Taixing City

电话 Tel: 0523-87094885

传真 Fax: 0523-87094885

广州 (Guangzhou)

德州恒力电机有限责任公司广州办事处

Dezhou Hengli Electrical Machinery Co., Ltd -- Guangzhou Branch

地址：广州市海珠区金沙路 39 号之一楼 501 室

Add: Room 501, First floor, No.39 building, Jinsha Road, Zhuhai District, Guangzhou City

电话 Tel: 020-84334127

传真 Fax: 020-84334127

韩国代理 (Korean Agency)

DAE WOO AUTOMATION CO., LTD

Address: A-143, Martword, 502-1, Gamjeon-dong, Sa-sang-gu, Busan, Korea

Tel: +82-51-327-8400

Fax: +82-51-312-4700

E-mail: mota119@naer.com

Website: www.motamart.com

新加坡代理 (Singapore Agency)

Cyclect Group

Address: Cyclect Building 33 Tuas View Crescent, Singa-pore 637654

Tel: +65-68686000

Fax: +65-68636260

E-mail: info@cyclect.com.sg

Website: www.cyclect.com.sg

日本代理 (Japanese Agency)

SXS CORPORATION

Address: 4F Wembley Bldg, 6-1-17, Isogamidori, Chuo-Ku, Ko-be-shi, Hyogo-ken, Japan

P.C.: 651-0089

Tel: +81-78-200-5821

Fax: +81-78-200-5468