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YB系列

隔爆型三相异步电动机

YB Range of Flameproof Three-Phase
Induction Motors

佳木斯防爆电机有限公司

JIAMUSI EXPLOSION-PROOF ELECTRIC MOTOR CO.,LTD

概 述

YB(80-355)系列是在Y系列上派生的全封闭自扇冷式隔爆型三相异步电动机。

本系列电动机具有高效、节能、温升裕度大，寿命长，性能好，振动小、噪声低，隔爆结构先进，可靠性高，使用维护方便等特点。

本系列电动机符合国家标准 GB3836.2-2000《爆炸性气体环境用电气设备第2部分隔爆型电气设备“d”》的规定。电动机隔爆结构和参数的设计也参考了 IEC60079-1《电气设备隔爆外壳的结构与试验》和 EN50018《爆炸性环境用电气设备“d”》的规定。电动机制成隔爆型，适用于长期或暂时有爆炸性混合物存在的危险场所。

I类:dI，适用于有甲烷或煤尘爆炸危险性混合物存在的煤矿井下非采掘工作面用电气设备。

II类：适用于工厂用电气设备。

Exd II AT4 适用于ⅡA 级, T1、T2、T3、T4 组爆炸危险性混合物存在的场所。

Exd II BT4 适用于ⅡA、ⅡB 级, T1、T2、T3、T4 组爆炸危险性混合物存在的场所。

Exd II CT4 ⅡA、ⅡB、ⅡC 级及 T1、T2、T3、T4 组爆炸危险性混合物存在的场所，也可按协议供货。

General

YB (frame sizes 80-355) range of TEFC flameproof three-phase induction motors are derived from Y range of motors.

The advantages of this range of motors are higher efficiency, saving energy, longer service life, larger allowance for temperature rise limit, satisfactory performance, lower noise and vibration, advanced flameproof construction, higher reliability and easier maintenance.

This range of motors conform to national standard GB3836.2-2000, Electrical apparatus for explosive gas-atmosphere-Part2: Flameproof enclosure “d”. The motors are made into flameproof construction and are suitable for places where explosive gas mixtures exist permanently or temporarily.

Group I (d I): Electrical apparatus for underground non-excavation face for mines where explosive mixtures containing methane or coal dust exist.

Group II : Electrical apparatus for places with a potentially explosive atmosphere, other than mines susceptible to firedamp.

Exd II AT4: Electrical apparatus for places where explosive mixtures with group of Ⅱ A and temperature class of T1、T2、T3 and T4 exist.

Exd II BT4: Electrical apparatus for places where explosive mixtures with group of Ⅱ A、Ⅱ B and temperature class of T1、T2、T3 and T4 exist.

Exd II CT4: Electrical apparatus for places where explosive mixtures with group of Ⅱ A、Ⅱ B、Ⅱ C and temperature class of T1、T2、T3 and T4 exist, we only supply them by an agreement of both sides.

本系列电动机主体外壳防护等级为 IP44 或 IP54, 接线盒为 IP54, 订货时防护等级未注明者均按 IP44 供货。

本系列电动机还可制成 YB-TH 湿热带型或 YB-W 户外型。

Degree of protection yb enclosure is IP44 or IP54, and degree of protection by terminal box is IP54. We always supply motors with degree of protection by enclosure of IP44, if not specified in the contract.

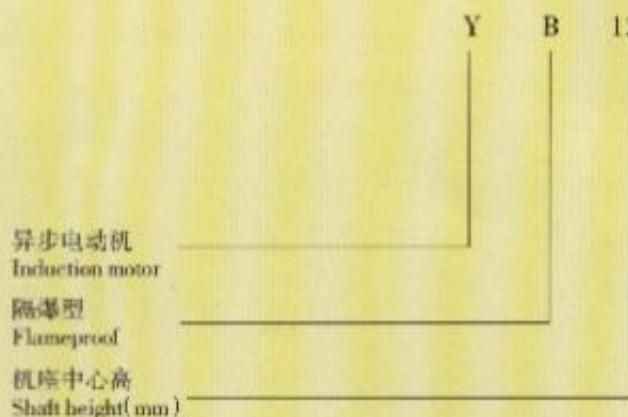
This range of motors have the derivative products: type YB-TH for wet-tropical application and type YBW for outdoor application.

结构说明

Description of construction

电动机型号含义

Meaning of type of motors



1. 定子：定子铁心嵌完绕组后经浸渍处理，使之成为一个完整的整体，具有良好的电气、机械、防潮性能及热稳定性。

电动机的绝缘等级为 F 级，但温升限值按 B 级考核，温升裕度大，寿命长，使用可靠性高。

1. Stator: The completely wound and connected stator is impregnated as an integral piece.

The stators have satisfactory electrical and mechanical performance, protection against moisture and thermal stability. The motors are class F insulated, but are used in the light of temperature rise limit of class B insulation, so as to have a larger allowance, longer service life and higher reliability of operation.

2. 转子：采用热套或冷压工艺将铸造铝转子固定在轴上，转子经动平衡校正，电机运转平稳。

3. 接线盒：接线盒具有良好的隔爆性能，盒内有较大的空腔便于接线，并且还留有安置电缆头的空腔。进线方式分橡套电缆（或铠装电缆）和钢管布线两种，按不同起动要求，分别制成一或二个进线口，接线盒空腔与机座主空腔之间为螺纹隔爆结构，接线盒位于电动机顶部，可以两侧进线，订货时无特殊要求均按一个口进线。

4. 风罩：风罩为钢板结构，其通风孔为 8×8 方孔，在防止一定大小外物侵入的前提下得到最大的通风面积，从而使风路顺畅，外形美观，钢性好，防护等级为IP20。

5. 轴承：电动机的轴承均选用电机专用轴承，II160-II355机座号的轴承采用有注排油和无注排油装置两种。订货时无注明者均按无注排油结构供货。



电机转子动平衡设备

2.Rotor: The aluminium-cast rotors are fitted on to the shaft by shrink fit or cold compression fit. The rotors are well balanced to make motors operate smoothly.

3.Terminal box: The terminal box has a satisfactory explosion-proof performance. It has a greater cavity to facilitate the connection, and the box has the cavity for cable entry. The cable entry form is of cabtyre cable and steel conduit wiring installation. The terminal box can be equipped with one or two cable entries according to the different starting method. The threaded passage is provided between the cavity in the terminal box and the main cavity of flame. The terminal box is located on the top of the motor. The cable can be led in from both sides. If there is not any other special requirements in the contract, we supply the motor with one cable entry.

4.Cowl: The cowl is of steel plate with 8×8 square holes providing maximum ventilating area enabling air to move unhinderedly under the condition of preventing foreign matters with given size from ingress.

The cowl has unblocked ventilating path, an attractive appearance, good rigidity and protection degree of IP20.

5.Bearings: Special bearings are used in the motor. Frame sizes 160-355 have the bearings with filling-and draining-oil devices or without filling-and draining-oil devices. If any concrete requirement is not specified in the contract, we will supply motors without filling-and draining-oil devices.



VPI 真空浸漆设备

技术数据

1. 使用条件:

环境空气温度: 随季节而变化, 但不超过40℃。

海拔: 不超过1000m。

频率: 50Hz。

电压: 按订货需要, 分别制成220V、380V、660V、
220V/380V、380/660V。

工作方式: 连续工作制 (S1)。

注: 对频率、电压如有特殊要求, 请在订货时提出。

Technical Data

1. Operation condition:

Ambient air temperature changes with season, but does not exceed 40℃.

Altitude above sea level is up to 1000m.

Rated frequency is 50Hz.

On request of users at ordering, rated voltage can respectively be 220V, 380V, 660V, 220V/380V, and 380/660V.

Duty type: Continuous (S1) .

Note: If you have any special requirements for frequency and voltage, please specify them at ordering.



2.本系列电动机的功率、转速和机座号的关系：

The corresponding relationships of frame sizes to speeds and outputs are shown in the following Table.

机座号 Frame size	同步转速 Synchronous speed r/min					
	3000	1500	1000	750	600	
	功率 Output(kW)					
80 1 2	0.75	0.55	-	-	-	
	1.1	0.75				
90S	1.5	1.1	0.75	-	-	
90L	2.2	1.5	1.1			
100L 1 2	3	2.2	1.5	-	-	
		3				
112M	4	4	2.2	2.2	-	
132S 1 2	5.5	5.5	3			
	7.5		4	3	-	
132M 1 2	-	7.5	5.5			
		-	4			
160M 1 2	11	11	7.5	4	-	
	15			5.5		
160L	18.5	15	11	7.5	-	
180M	22	18.5	-	-		
180L	-	22	15	11	-	
200L 1 2	30	30	18.5	15		
	37		22			
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	-	
315L2	200	200	132	110	75	
355S1	(185)	(185)	160	132	(90)	
355S2	(200)	(200)	160	132	(90)	
355M1	(220)	(220)	(185)	160	110	
355M2	250	250	200	160	132	
355L1	(280)	(280)	(220)	(185)	160	
355L2	315	315	250	200	185	

注：带括号的为不推荐规格

Note: The specifications with brackets are not recommended

3. 电气性能: Electrical Performance:

型号 Type	功率 Output (kW)	电流 Current (380V) (A)	转速 Rated speed (r/min)	效率 Eff. (%)	功率因数 Power factor (cos φ)	堵转转矩 额定转矩 Locked-rotor torque Rated torque		堵转电流 额定电流 Rated current	最大转矩 额定转矩 Breakdown torque Rated torque	重量 Weight (kg)
						Synchronous speed 3000r/min	Synchronous speed 1500r/min			
同步转速 3000 转/分										
YB801-2	0.75	1.8	2825	75	0.84	2.2	7.0	2.2	23	
YB802-2	1.1	2.5	2825	77	0.86	2.2	7.0	2.2	24	
YB90S-2	1.5	3.4	2840	78	0.85	2.2	7.0	2.2	31	
YB90L-2	2.2	4.7	2840	82	0.86	2.2	7.0	2.2	37	
YB100L-2	3	6.4	2880	82	0.87	2.2	7.0	2.2	45	
YB112M-2	4	8.2	2890	85.5	0.87	2.2	7.0	2.2	53	
YB132S1-2	5.5	11.1	2900	85.5	0.88	2.0	7.0	2.2	77	
YB132S2-2	7.5	15.0	2900	86.5	0.88	2.0	7.0	2.2	84	
YB160M1-2	11	21.8	2930	87.2	0.88	2.0	7.0	2.2	135	
YB160M2-2	15	29.4	2930	88.2	0.88	2.0	7.0	2.2	151	
YB160L-2	18.5	35.5	2930	89	0.89	2.0	7.0	2.2	170	
YB180M-2	22	42.2	2940	89	0.89	2.0	7.0	2.2	215	
YB200L1-2	30	56.9	2950	90	0.89	2.0	7.0	2.2	264	
YB200L2-2	37	69.8	2950	90.5	0.89	2.0	7.0	2.2	290	
YB225M-2	45	83.9	2970	91.5	0.89	2.0	7.0	2.2	420	
YB250M-2	55	102.7	2970	91.5	0.89	2.0	7.0	2.2	505	
YB280S-2	75	140.1	2970	91.5	0.89	2.0	7.0	2.2	650	
YB280M-2	90	167	2970	92	0.89	2.0	7.0	2.2	700	
YR315S-2	110	203	2970	92.5	0.89	1.8	6.8	2.2	950	
YB315M-2	132	242	2970	93	0.89	1.8	6.8	2.2	1000	
YB315L1-2	160	292	2970	93.5	0.89	1.8	6.8	2.2	1150	
YB315L2-2	200	365	2970	93.5	0.89	1.8	6.8	2.2	1300	
YB355S1-2	185	330	2980	94.5	0.90	1.7	7	2.4	1420	
YB355S2-2	200	357	2980	94.5	0.90	1.7	7	2.4	1490	
YB355M1-2	220	391	2980	95	0.90	1.7	7	2.4	1550	
YB355M2-2	250	444	2980	95	0.90	1.7	7	2.4	1630	
YB355L1-2	280	492	2980	95	0.90	1.7	7	2.4	1775	
YB355L2-2	315	551	2980	95	0.90	1.7	7	2.4	1900	
同步转速 1500 转/分										
YB801-4	0.35	1.5	1390	73	0.76	2.2	6.5	2.2	23	
YB802-4	0.75	2.0	1390	74.5	0.76	2.2	6.5	2.2	24	
YB90S-4	1.1	2.7	1400	78	0.78	2.2	6.5	2.2	33	
YB90L-4	1.5	3.7	1400	79	0.79	2.2	6.5	2.2	37	
YB100L1-4	2.2	5.0	1420	81	0.82	2.2	7.0	2.2	45	
YB100L2-4	3	6.8	1420	82.5	0.81	2.2	7.0	2.2	47	
YB112M-4	4	8.8	1440	84.5	0.82	2.2	7.0	2.2	58	
YB132S-4	5.5	11.6	1440	85.5	0.84	2.2	7.0	2.2	80	

佳木斯防爆电机有限公司

型号 Type	功率 Output (kW)	电流 Current (380V) (A)	转速 Rated speed (r/min)	效率 Eff (%)	功率因数 Power factor (cos φ)	堵转转矩 Rated torque	堵转电流 Rated current	最大转矩 Breakdown torque	重量 Weight (kg)
						额定转矩 Rated torque	额定电流 Rated current	额定转矩 Rated torque	
同步转速 1500 转 / 分									
YB132M-4	7.5	15.4	1440	87	0.85	2.2	7.0	2.2	95
YB160M-4	11	22.6	1460	88	0.84	2.2	7.0	2.2	148
YB160L-4	15	30.3	1460	88.5	0.85	2.2	7.0	2.2	166
YB180M-4	18.5	35.9	1470	91	0.86	2.0	7.0	2.2	220
YB180L-4	22	42.5	1470	91.5	0.86	2.0	7.0	2.2	270
YB200L-4	30	56.8	1470	92.2	0.87	2.0	7.0	2.2	300
YB225S-4	37	69.8	1480	91.8	0.87	1.9	7.0	2.2	390
YB225M-4	45	84.2	1480	92.3	0.88	1.9	7.0	2.2	440
YB250M-4	55	102.5	1480	92.6	0.88	2.0	7.0	2.2	510
YB280S-4	75	139.7	1480	92.7	0.88	1.9	7.0	2.2	650
YB280M-4	90	164.3	1480	93.5	0.89	1.9	7.0	2.2	800
YB315S-4	110	201	1480	93.5	0.89	1.8	6.8	2.2	900
YB315M-4	132	240	1480	94	0.89	1.8	6.8	2.2	980
YB315L1-4	160	289	1480	94.5	0.89	1.8	6.8	2.2	1150
YB315L2-4	200	361	1480	94.5	0.89	1.8	6.8	2.2	1350
YB355S1-4	185	338	1480	94.5	0.88	1.8	7	2.2	1695
YB355S2-4	200	365	1480	94.5	0.88	1.8	7	2.2	1738
YB355M1-4	220	400	1480	95	0.88	1.8	7	2.2	1820
YB355M2-4	250	452	1480	95	0.88	1.8	7	2.2	1890
YB355L1-4	280	500	1480	95.5	0.89	1.8	7	2.2	2095
YB355L2-4	315	560	1480	95.5	0.89	1.8	7	2.2	2180
同步转速 1000 转 / 分									
YB90S-6	0.75	2.3	940	72.5	0.70	2.0	6.0	2.0	33
YB90L-6	1.1	3.2	940	73.5	0.72	2.0	6.0	2.0	38
YB100L-6	1.5	4.0	940	77.5	0.74	2.0	6.0	2.0	44
YB112M-6	2.2	5.6	940	80.5	0.74	2.0	6.0	2.0	53
YB132S-6	3	7.2	960	83	0.76	2.0	6.5	2.0	76
YB132M1-6	4	9.4	960	84	0.77	2.0	6.5	2.0	86
YB132M2-6	5.5	12.6	960	85.3	0.78	2.0	6.5	2.0	101
YB160M-6	7.5	17.0	970	86	0.78	2.0	6.5	2.0	141
YB160L-6	11	24.6	970	87	0.78	2.0	6.5	2.0	165
YB180L-6	15	31.6	970	89.5	0.81	1.8	6.5	2.0	260
YB200L1-6	18.5	37.7	970	89.8	0.83	1.8	6.5	2.0	265
YB200L2-6	22	44.6	970	90.2	0.83	1.8	6.5	2.0	287
YB225M-6	30	59.5	980	90.2	0.85	1.7	6.5	2.0	405
YB250M-6	37	72	980	90.8	0.86	1.8	6.5	2.0	505
YB280S-6	45	85.4	980	92	0.87	1.8	6.5	2.0	620
YB280M-6	55	104.9	980	92	0.87	1.8	6.5	2.0	690

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型号 Type	功率 Output (kW)	电流 Current (380V) (A)	转速 Rated speed (r/min)	效率 Eff (%)	功率因数 Power factor (cos φ)	堵转转矩 Locked-rotor torque	堵转电流 Locked-rotor current	最大转矩 额定转矩 Breakdown torque	重量 Weight (kg)
						额定转矩 Rated torque	额定电流 Rated current	额定转矩 Rated torque	
同步转速 1000 转/分									
YB315S-6	75	142	980	92.8	0.87	1.6	6.5	2.0	840
YB315M-6	90	169	980	93.2	0.87	1.6	6.5	2.0	900
YB315L1-6	110	206	980	93.5	0.87	1.6	6.5	2.0	980
YB315L2-6	132	247	980	93.8	0.87	1.6	6.5	2.0	1150
YB355S2-6	160	296	980	94.0	0.87	1.6	6.5	2.1	1690
YB355M1-6	185	341	980	94.0	0.87	1.6	6.5	2.1	1740
YB355M2-6	200	368	980	94.5	0.87	1.6	6.5	2.1	1820
YB355L1-6	220	402	980	94.5	0.87	1.6	6.5	2.1	1910
YB355L2-6	250	457	980	94.5	0.87	1.6	6.5	2.1	2120
同步转速 750 转/分									
YB132S-8	2.2	5.8	710	81	0.71	2.0	5.5	2.0	77
YB132M-8	3	7.7	710	82	0.72	2.0	5.5	2.0	87
YB160M1-8	4	9.9	720	84	0.73	2.0	6.0	2.0	123
YB160M2-8	5.5	13.3	720	85	0.74	2.0	6.0	2.0	141
YB160L-8	7.5	17.2	720	86	0.75	2.0	5.5	2.0	165
YB180L-8	11	25.1	730	86.5	0.77	1.7	6.0	2.0	255
YB200L-8	15	34.1	730	88	0.76	1.8	6.0	2.0	265
YB225S-8	18.5	41.3	730	89.5	0.76	1.7	6.0	2.0	353
YB225M-8	22	47.6	730	90	0.78	1.8	6.0	2.0	402
YB250M-8	30	63	730	90.5	0.80	1.8	6.0	2.0	470
YB280S-8	37	78.7	740	91	0.79	1.8	6.0	2.0	610
YB280M-8	45	93.2	740	91.7	0.80	1.8	6.0	2.0	690
YB315S-8	55	109	740	92.0	0.80	1.6	6.5	2.0	840
YB315M-8	75	148	740	92.5	0.81	1.6	6.5	2.0	900
YB315L1-8	90	177	740	93.0	0.82	1.6	6.5	2.0	980
YB315L2-8	110	216	740	93.3	0.82	1.6	6.3	2.0	1150
YB355S2-8	132	256	740	94	0.82	1.4	6.5	2.1	1820
YB355M-8	160	310	740	94	0.82	1.4	6.5	2.1	1900
YB355L1-8	185	356	740	94.5	0.82	1.4	6.5	2.1	2100
YB355L2-8	200	385	740	94.5	0.82	1.4	6.5	2.1	2180
同步转速 600 转/分									
YB315S-10	45	98	580	91.5	0.74	1.4	6.0	2.0	840
YB315M-10	55	119	580	92.0	0.74	1.4	6.0	2.0	900
YB315L2-10	75	159	580	92.5	0.75	1.4	6.0	2.0	1100
YB355S2-10	90	186	580	93.5	0.78	1.3	6.0	2.0	1690
YB355M1-10	110	228	580	93.5	0.78	1.3	6.0	2.0	1820
YB355M2-10	132	272	580	94	0.78	1.3	6.0	2.0	1910
YB355L-10	160	330	580	94	0.78	1.3	6.0	2.0	2120

安装结构型式

Mounting Arrangement(IM)

基本结构型式

Basic mounting arrangement

B3 机座带底脚, 端盖无凸缘。

B3—Frame with feet, endshield without flange.

B5 机座不带底脚, 端盖有凸缘。

B5—Frame without feet, endshield with flange.

B35 机座带底脚, 端盖有凸缘。

B35—Frame with feet, endshield with flange.

V1 机座不带底脚, 端盖有凸缘, 立式安装。

V1—Frame without feet, endshield with flange, of vertical mounting.

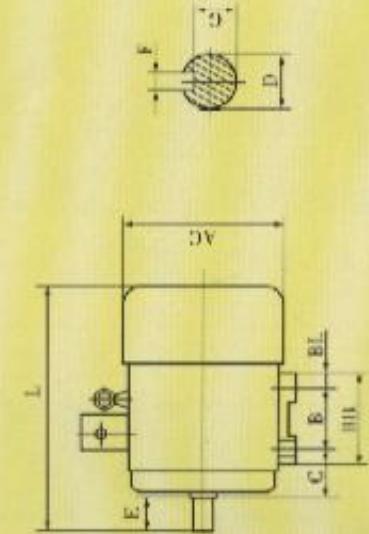
安装结构型式 Basic mounting arrangement	B3						B5			B35		
基本结构型式 Mounting arrangement	B3	B6	B7	B8	V5	V6	B5	V1	V3	B35	V15	V36
示意图 Diagram												
机座号(中心高) Frame size (Shaft height)	80-355	80-160						80-225	80-355	80-160	80-280	80-160



电机机加车间

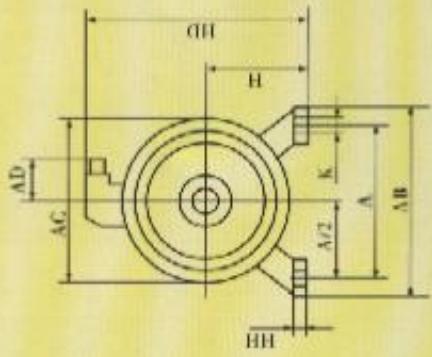
安装方式及外形尺寸

Mounting Arrangement and Overall Dimensions



B3 机座带底脚,端盖无凸缘。

B3 Frame with feet, endshield without flange.

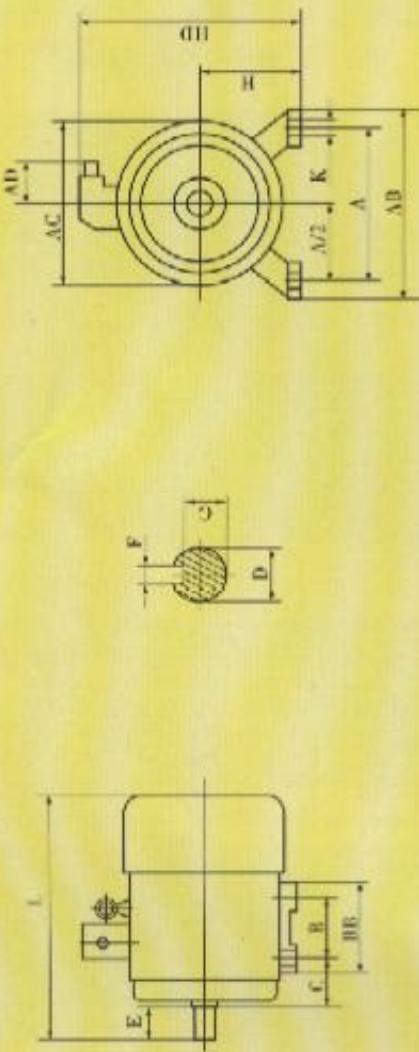


mm

型号 Frame size	极数 No. of poles	安装尺寸 Mounting dimensions						外形尺寸 Overall dimensions										
		A	B	C	D	E	F	G	H	K	进线口管 Piping for cables entry	AB	AC	AD	BB	BL	HD	HH
80	2,4	125	100	50	19	40	6	15,5	80	10	165	165	130	15	340	10	330	
90S		140	125	56	24	50	8	20,0	90	180	180	130	15	355	14	360		
90L	2,4,6	160	125	63	28	60	8	24,0	100	200	205	155	15	385				
100L		140	70	70	70	112	12	245	230	180	20	400	16	460				
112M		178	89	38	80	10	10	33,0	132	280	270	205	35	470	18	510		
132S		216	178	89	38	80	10	33,0	132	280	270	243	35	470	18	550		
132M		210	108	42	12	37,0	160	15	130	325	240	270	30	530	20	655		
160M	2,4,6,8	254	254	108	42	110	14	42,5	180	355	360	311	35	565	22	730		
160L		254	254	121	48	110	14	42,5	180	349	355	349	35	565	22	750		
180M		279	279	121	48	110	14	42,5	180	390	400	366	31	625	25	805		
180L		279	279	121	48	110	14	42,5	180	390	400	366	30	625	25	805		
200L		318	305	133	55	16	16	39,0	200	435	450	391	40	670	28	845		
225S	4,8	356	286	60	120	18	18	53,0	225	19	448 × 2	435	390	40	670	28	840	
225M	2	356	311	149	55	110	16	49,0	225	18	564 × 2	450	391	40	670	28	870	
250M	4,6,8	406	349	168	65	60	18	53,0	250	490	500	455	61	770	30	935		
280S	2	457	368	75	140	65	18	58,0	24	564 × 2	545	560	330	520	76	830	35	1010
280M	4,6,8	419	419	75	190	65	18	58,0	280	571	571	571	76	830	35	1050	1060	

安装及外形尺寸

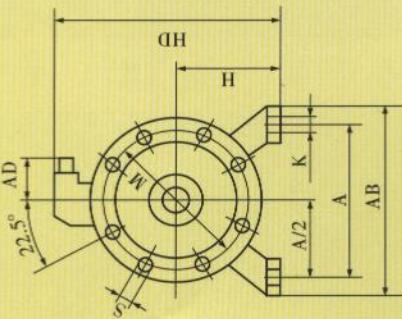
Mounting and Overall Dimensions



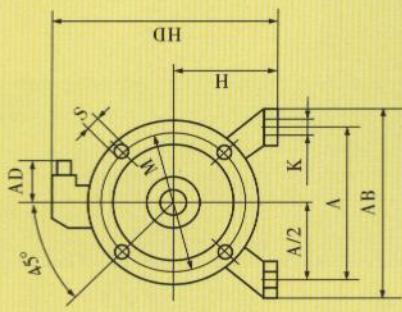
B3 机座带底脚, 端盖无凸缘。
B3 Frame with feet, endshield without flange.

mm

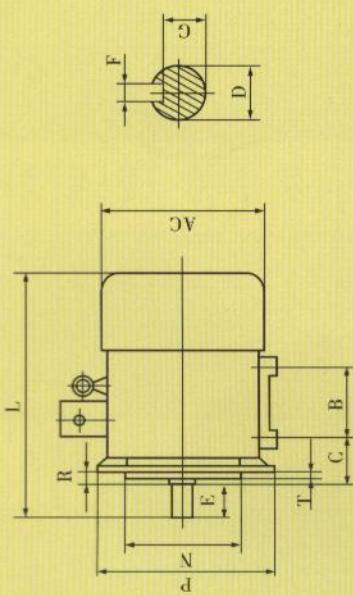
机座号 Frame size	A	B	C	安装尺寸 Mounting dimensions				外形尺寸 Overall dimensions				
				D	E	F	G	H	K	M	N	
315S	508	406	216	65	80	140	170	18	22	58	71	315
315M	508	457	216	65	80	140	170	18	22	58	71	315
315L	508	508	216	65	80	140	170	18	22	58	71	315
355S	610	500	254	75	95	140	170	20	25	67.5	86	355
355M	610	560	254	75	95	140	170	20	25	67.5	86	355
355L	610	610	254	75	95	140	170	20	25	67.5	86	355



H225 ~ H280

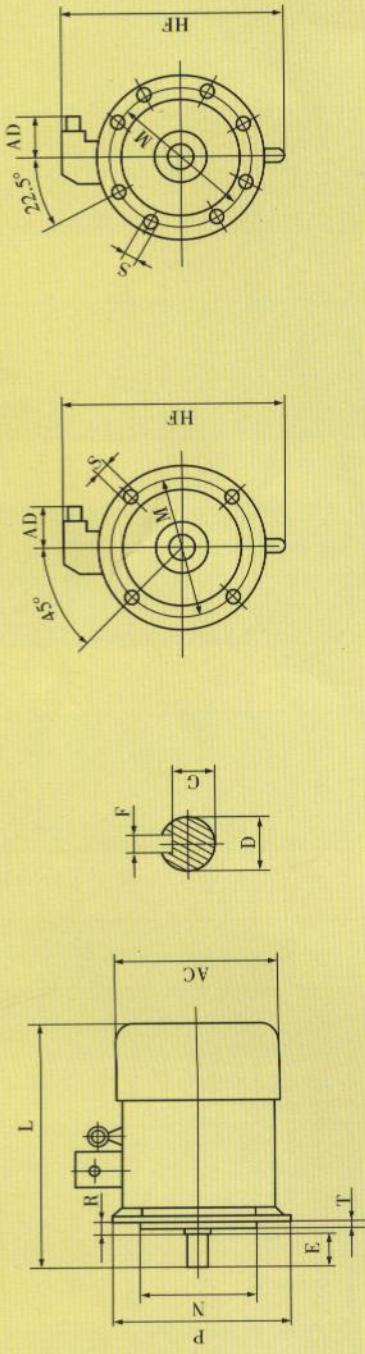


H80 ~ H200



B35 机座带底脚，端盖有凸缘。

B35 Frame with feet, endshield with flange.

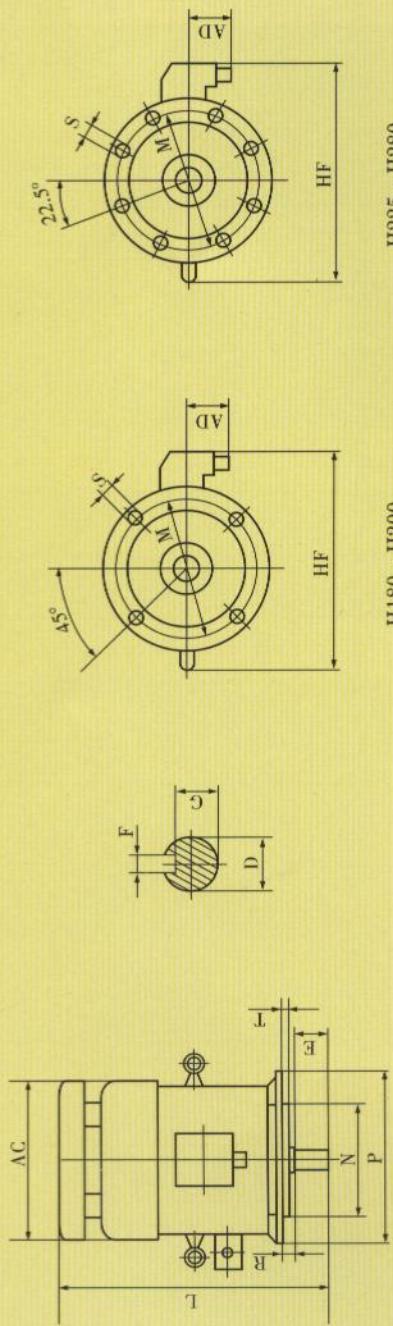


B5 机座不带底脚，端盖有凸缘。

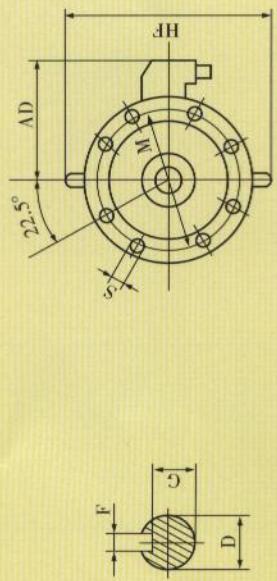
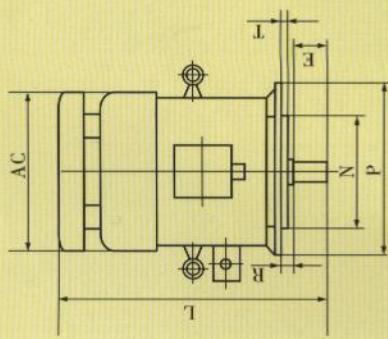
B5 Frame without feet, endshield with flange.

H80 ~ H200

H225



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 feet, endshield with flange and shaft extension downward



V1 机座不带底脚,端盖有凸缘。

V1 Frame without feet, endshield with flange.

机座号 Frame size	安装尺寸 Mounting dimensions								外形尺寸 Overall dimensions			
	D 2 极 2-pole	E 4 极以上 4-pole& above	F 2 极 2-pole	G 4 极以上 4-pole& above	M 2 极 2-pole	N 4 极以上 4-pole& above	P R S T	AD AC	HF L	2 极 2-pole	4 极以上 4-pole& above	
315S	65	80	140	170	18	22	58	71	600	550	660	0
315M	65	80	140	170	18	22	58	71	600	550	660	0
315L	65	80	140	170	18	22	58	71	600	550	660	0
355S	75	95	140	170	20	25	67.5	86	740	680	800	0
355M	75	95	140	170	20	25	67.5	86	740	680	800	0
355L	75	95	140	170	20	25	67.5	86	740	680	800	0

噪声振动 Vibration and Noise

1、噪声:电动机空载运转时的噪声不超过下表数值

1.Noise:Noise values of the motor operating at no load would not exceed the values the values in the following Table.

功率 Output (kW)	同步转速 转 / 分 Synchronous speed r/min									
	3000		1500		1000		750		600	
	声功率级 dB(A) Sound power level dB(A)									
	1 级 Level I	2 级 Level II	1 级 Level I	2 级 Level II	1 级 Level I	2 级 Level II	1 级 Level I	2 级 Level II	1 级 Level I	2 级 Level II
0.55	-	-	56	67	-	-	-	-	-	-
0.75	66	71	56	67	56	65	-	-	-	-
1.1	66	71	61	67	56	65	-	-	-	-
1.5	70	75	62	67	62	67	-	-	-	-
2.2	70	75	65	70	62	67	61	66	-	-
3	74	79	65	70	66	71	61	66	-	-
4	74	79	68	74	66	71	64	69	-	-
5.5	78	83	70	78	66	71	64	69	-	-
7.5	78	83	71	78	69	75	67	72	-	-
11	82	87	75	82	70	75	67	72	-	-
15	82	87	77	82	70	78	70	75	-	-
18.5	82	87	77	82	73	78	70	75	-	-
22	87	92	77	82	73	78	70	75	-	-
30	90	95	79	84	76	81	73	78	-	-
37	90	95	79	84	76	81	73	78	-	-
45	90	97	79	84	79	84	82	87	82	87
55	92	97	81	86	79	84	82	87	82	87
75	94	99	85	90	87	92	82	87	82	87
90	94	99	85	90	87	92	82	87	-	-
110	104	109	93	98	87	92	82	87	-	-
132	104	109	101	106	97	102	94	99	94	99
160	104	109	101	106	97	102	94	99	94	99
185	104	109	101	106	97	102	94	99	-	-
200	104	109	101	106	97	102	94	99	94	99
220	104	109	101	106	97	102	94	99	94	99
250	106	111	103	108	100	105	-	-	-	-
280	106	111	103	108	100	105	-	-	-	-
315	106	111	103	108	100	105	-	-	-	-

注:噪声容差为 +3dB(A),对电动机的噪声限值一般按 2 级供货,如要求按 1 级供货须在订货合同中注明。

Note:Noise tolerance is +3dB (A) .We generally supply the motors with noise limits of Level II in the table. If you require the motor with noise limits of Level I , please specify it in the contract.

2、电动机在空载运转时测得的振动速度有效值不超过下表数值(轴伸中带有半键测量)

2.The vibration speed of the motor running at no load should not exceed the values in the following Table (measured with shaft extension having half-key).

中心高 Shaft height (mm)		80~132	160~225	250~355
振动速度 Vibration speed (mm/s)	2 极 2-pole	1.8	2.8	4.5
	4 极以上 4-pole and more		1.8	2.8

接线盒用钢管布线,其出线口螺纹如下表。

For the terminal boxes with the steel conduit wiring construction, their pipe threads for cable entry are shown in the following Table.

机 座 号 Type	出线口螺纹 Pipe threads for cable entry
YB80~112	M30×2
YB132~180	M36×2
YB200~225	M48×2
YB250~355	M64×2



SIN00EC 市场成员证书

SCNPC 认证证书



俄罗斯防爆产品认证证书

MA 安标产品证书

ISO9001：2000 认证证书

订货须知

- 1.本样本如有变更，不另通知。
- 2.订货时请按样本标明电动机型号、功率、同步转速、电压、频率、安装结构型式、隔爆等级和接线盒进线方式等。

例：132kW、2p、机座带底脚、端盖无凸缘，工厂用ⅡB类、T4组隔爆型、橡套电缆进线的电动机标注如下：

YB315S-2、132kW、3000r/min、380V、50Hz、B3、Exd II BT4 橡套电缆。

如有特殊要求，如电压、频率、防护等级、旋转方向等等，请在合同中详细说明，并请事先与制造厂联系。

- 3、V1立式安装电机需签定技术协议后订货。

Ordering Requirements

1. The catalogue is subject to change without notice. Take notice of publishing date.

2. Please specify the motor type, rated output, synchronous speed, rated voltage, rated frequency, mounting arrangement, degree of protection and the cable entry form for the terminal box, etc. when ordering.

For example: If you require the motor of 132kW, 2 pole, frame with feet, endshield without flange, temperature class T4 and group II B for use in factory, flameproof construction, and cabtyre cable, mark as follows: YB315S-2、132kW、3000r/min、380V、50Hz、B3、d II BT4 and cabtyre cable.

On special requirements, such as rated voltage, rated frequency, degree of protection and direction of rotation and so on, please specify them in the contract, get in touch with our company in advance.

3. Order the motor mounted vertically (V1) after signing a technical agreement.

佳木斯防爆电机有限公司

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