

中国·佳木斯防爆电机有限公司

JIAMUSI EXPLOSION-PROOF ELECTRIC MOTOR CO.,LTD



YB2 系列 隔爆型三相异步电动机

YB2 Range of Flame-proof Three-phase
Induction Motors

H63-450mm

概述

YB2系列三相异步电动机是YB系列更新设计的隔爆型电动机，该产品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、外形美观等特点。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。

结构特点

YB2系列隔爆型三相异步电动机符合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。其隔爆结构和结构参数也参照了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。适用于爆炸气体环境，分为：Ⅰ类：煤矿用，标志为ExdⅠ；Ⅱ类：除煤矿外的其它爆炸性气体环境，标志为ExdⅡAT（1-4），ExdⅡBT（1-4），ExdⅡCT（1-4）（温度组别T（1-4）意为：T1、T2、T3、T4）。

电动机外壳防护等级为IP55，电动机工作方式为S1，冷却方式为IC411，H250以上机座有注排油装置。

电动机的机座造型采用垂直水平的平行散热片结构。

电动机轴承280机座号及以下均采用深沟球轴承，风扇为小外径宽叶片结构，再加上选择合理的电磁参数及适当的槽配合、槽斜度，使电机的振动与噪声达到有效控制。

General

YB2 range of three-phase induction motors are flame-proof motors obtained by renewal and generation-changing of YB range of motors. The performances of the products have come up to advanced international standards.

The motors have the advantages of higher efficiency, energy saving, higher locked-rotor torque, lower noise, smaller vibration, safe and reliable operation and beautiful appearance, etc., The outputs, mounting dimensions and their corresponding relationships comply with IEC standards.

Construction

YB2 range of motors comply with GB3836.2, Electrical Apparatus for Use in Explosive Atmosphere part 2: Flame-proof Enclosure 'd'. The flame-proof constructins and their parameters have refered to IEC60079-1, Construction and Verification Test of Flame-proof Enclosure for Electrical Apparatus, and EN50018, Electrical Apparatus for Use in Explosive Atmosphere: Flame-proof Enclosure 'd'. The motors are made into flame-proof type, and are suitable for use in explosive gas atmosphere, which can be divided into two groups, Group I is used for coal mine and marked with ExdⅠ; groupⅡ is used for explosive gas atmospheres other than coal mine and marked with ExdⅡ AT1-T4 ExdⅡ BT1-T4 and ExdⅡ CT1-T4 (temperature class T1-T4 means T1, T2, T3, and T4).

Degree of protection by enchosure of motors is IP55, Duty type of motor is S1 and method of cooling is IC411, The motor with frame size from 250 is provided with grease-filling and-draining devices.

The frames of motors are desinged with parallel cooling ribs which are distributed vertically and horizontally.

The bearings of motors of frame sizes up to 280 are ball bearings. The fans are of small diameter and wide vanes. In addition to them, reasonable electromagnetic parameters and proper slot combinations and slot-skewing slopes are selected so that the vibration and the noise of motors have effectively been controlled.



电动机均为F级绝缘，当海拔和环境空气温度在标准情况下，电动机定子绕组温升限值为80K（电阻法），对315L机座的2、4极电机及355~450机座号电机温升限值为105K。

YB2系列电机接线盒的进线方式为橡胶套电缆，其接线端子分三个（供一种电压）或六个（供二种电压）两种结构，接线盒在电机顶部。根据用户需要也可提供铠装电缆的进线结构。

电动机转向。H63~355机座号和H400~450机座号，6~16极电动机转向可正转或反转。而400~450机座号的2、4极电机从轴伸端看为顺时针转动。如需逆时针转动需订货时注明。

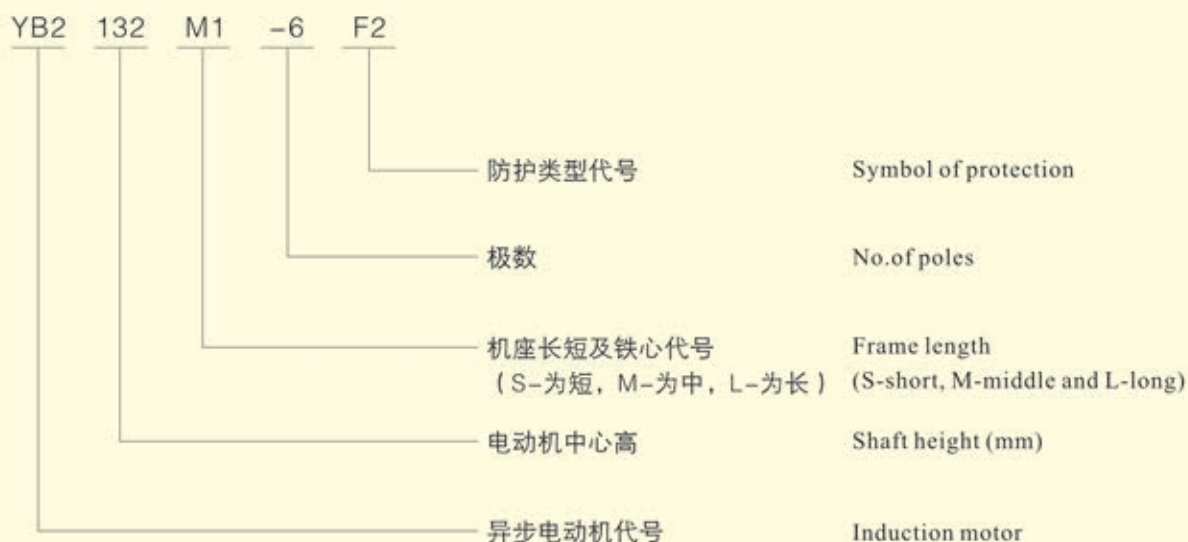
The stator windings of the motor are class F insulated. When the altitude above sea level and ambient temperature are in accordance with the values specified by the standard, the temperature rise limit of stator windings is 80K (resistance method). For frame size 315L2-and 4-pole motors and frame size 355~450 motors, the temperature rise limit is 105K.

The cable entry form for the terminal box of YB2 range of motors is of cabtyre cable. The terminal box is provided with three terminals (for single voltage) or six terminals (for double voltages). The terminal box is located on the top of the motor. On request of user, armoured cable can also be applied.

The direction of rotation of the motor. For frame sizes H63 to 355 and H400 to 450 motors (6 to 16 poles), the direction of rotation may be clockwise and anticlockwise, and for frame sizes 400 to 450 2- and 4-pole motors, the direction of rotation is clockwise as viewed from the shaft extension. If the motor is required to rotate anticlockwise, please specify it when ordering.

D 电动机型号含义

Meaning of Type of Motors



环境条件

环境空气温度随季节而变化，但不超过40℃，环境空气最低温度为-15℃。

海拔：不超过1000m。

注：当环境空气温度、海拔与上述规定不同时按GB755规定。

最湿月份月平均最高相对湿度为90%，同时该月份月平均最低温度不高于25℃（工厂），煤矿井下最大相对湿度不超过95%。

额定频率：50Hz。

额定电压：220V、380V、220/380V、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。

对派生“W”户外及“TH”湿热带型电机，适用于“W”及“TH”型的场所。

也可按船用环境条件派生船用隔爆型电机，即YB2-H系列电机。

也可按户内或户外腐蚀环境条件派生隔爆型防腐电机，即YB2-W（F1~F2），F1为防中等腐蚀电机，F2为防强腐蚀电机。

Ambient Conditions

Ambient air temperature changes with season, but does not exceed 40°C, and is not lower than -15°C.

Altitude above sea level: up to 1000m.

Note: When ambient air temperature and altitude are different from the above, refer to GB755.

In the moistest month, the monthly-average maximum relative humidity is 90%, and the minimum temperature does not exceed 25°C in this month (in the factory). In the underground coal mine, the highest relative humidity does not exceed 95%.

Rated frequency: 50Hz.

Rated voltage: 220V, 380V, 220/380V and 380/660V.

Note: If you have special requirements for frequency, voltage, ambient air temperature and altitude, etc., please specify them when ordering.

The motors derived from standard types, e. g. type “W” outdoor and type “TH” damp and tropical motors, are suitable for the places of “W” and “TH”.

Flame-proof motors, i.e. YB2-H range of motors, can also be manufactured according to ambient conditions for marines.

Flame-proof corrosion-proof motors, i.e. YB2-W (F1 to F2), can also be manufactured according to indoor and outdoor corrosive environment conditions.

F1 stands for medium-corrosion-proofmotors.

F2 stands for strong-corrosion-proofmotors.















A 安装结构型式

Mounting Arrangement

有三种基本安装结构型式及九种派生安装结构型式，见下表：

Three basic mounting arrangements and nine variant mounting arrangements, See the following table:

机座号 Frame size	基本安装结构 Basic mounting arrangement			派生的安装型式 Variant mounting arrangement									
	B3	B35	B5	采用B5型 Derived from B5		采用B3型 Derived from B3					采用B35型 Derived from B35		
				V1	V3	V5	V6	B8	B6	B7	B15	V36	
													
63-355	√	-	-	-	-	-	-	-	-	-	-	-	-
63-160	√	-	-	-	√	√	√	√	√	√	√	√	√
63-280	√	-	√	-	-	-	-	-	-	-	-	-	-
80-450	√	√	-	√	-	-	-	-	-	-	-	-	-

D 订货须知

Ordering Information

1. 订货时请注明电动机型号、功率、同步转速、电压、频率、安装结构形式、防爆等级、防护等级、接线盒进线方式等。

如需5.5千瓦、2极、380V，B3安装、防爆等级为Exd II BT4、防护等级IP54、橡套电缆进线的电动机标注如下：

5.5kW、380V（三个端子）、50Hz、B3、Exd II BT4、IP54、橡套电缆。

2. 对电动机的噪声等级、防护等级、轴承注排油结构等有特殊要求时，须在订货合同上注明。

3. 本样本的技术数据仅供参考，容许有变动。

1. Specify the type of the motors, rated output, synchronous speed, voltage, frequency, mounting arrangement, explosion-proof group, degree of protection, the cable entry form of the terminal box and so on.

For example, if you want to order the standard motor with 5.5kW, 2 poles, 380V, B3, explosion-proof group of Exd II BT4, degree of protection of IP54, cable-type cable, state as follows: 5.5kW, 380V (three terminals), 50Hz, B3, Exd II BT4, IP54, cab-cable.

2. If you have special requirements for the motor's noise, degree of protection and greasing and draining oil devices of the bearings, etc. please note them in the contract.

3. This catalog is only for user reference, and specific data are subject to change without notice.

技术数据

Technical Data

型号 Type	功率 Output (kW)	转速 Rated Speed (r/min)	电流 Current (A) (220V)	电流 Current (A) (380V)	效率 Efficiency (%)	功率因数 Power factor (CosΦ)	堵转电流	堵转转矩	最大转矩	重量 Weight (kg)	噪声 Noise dB(A)	
							额定电流 Locked-rotor current Rated current	额定转矩 Locked-rotor torque Rated torque	额定转矩 Breakdown torque Rated torque		空载 No-load	负载 load
同步转速3000转/分(2极) Synchronous speed 3000 r/min (2 poles)												
631-2	0.18	2750	0.89	0.52	66	0.80	5.0			19	61	63
632-2	0.25	2750	1.20	0.68	68	0.81				19		
711-2	0.37	2800	1.71	0.99	70	0.81	5.5			20	64	66
712-2	0.55	2800	2.38	1.38	73	0.83				20		
801-2	0.75	2830	3.16	1.83	75	0.83	6.0			22	67	69
802-2	1.1	2830	4.49	2.61	78	0.84				23		
90S-2	1.5	2840	5.87	3.42	79	0.84	7.0	2.2	2.3	31	72	74
90L-2	2.2	2840	8.29	4.48	81	0.85				37		
100L-2	3.0	2870	10.7	6.22	83	0.88				50	76	78
112M-2	4.0	2890	—	8.13	85	0.88				53		
132S1-2	5.5	2900	—	11.1	86	0.88				82	80	82
132S2-2	7.5	2900	—	14.8	87	0.88				90		
160M1-2	11	2930	—	21.6	88.4	0.88			2.4	135	86	88
160M2-2	15	2930	—	28.8	89.4	0.89				151		
160L-2	18.5	2930	—	35.5	90	0.89				170	215	89
180M-2	22	2940	—	41.0	90.5	0.90				2.3		
200L-2	30	2950	—	55.5	91.4	0.90	7.5	2.0	2.4	280	92	94
200L2-2	37	2950	—	67.9	92	0.90				305		
225M-2	45	2970	—	82.1	92.5	0.90			2.3	350	93	95
250M-2	55	2970	—	99.7	93	0.90				2.1		
280S-2	75	2970	—	134	93.6	0.91			2.0	455	94	96
280M-2	90	2970	—	160	93.9	0.91				2.1		
315S-2	110	2980	—	195	94	0.91			1.8	980	96	98
315M-2	132	2980	—	233	94.5	0.91				1030		
315L-2	160	2980	—	279	94.6	0.91			2.2	1190	99	101
315L2-2	200	2980	—	348	94.8	0.92				1350		
355S1-2	(185)	2980	—	323	94.6	0.91	7.0			1490	103	105
355S2-2	(200)	2980	—	348	94.8	0.92				1582		
355M1-2	(220)	2980	—	383	94.8	0.92			1.6	1592	103	105
355M2-2	250	2980	—	433	95.2	0.92				1690		
355L1-2	(280)	2980	—	485	95.2	0.92				1849	111	116
355L2-2	315	2980	—	544	95.4	0.92				1947		
400S-2	355	2984	—	604	96.0	0.93	6.5	1.0	2.5	2189	111	116
400M-2	400	2984	—	681	96.0	0.93				2389		
450S-2	450	2985	—	766	96.0	0.93				2989	111	116
450M-2	500	2985	—	851	96.0	0.93				3099		
450L-2	560	2985	—	953	96.0	0.93				3440		

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技术数据

Technical Data

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							额定电流 Locked-rotor current Rated current	额定转矩 Locked-rotor torque Rated torque	额定转矩 Breakdown torque Rated torque		空载 No-load	负载 load
同步转速1500转/分(4极) Synchronous speed 1500 r/min (4 poles)												
631-4	0.12	1340	0.75	0.44	58	0.72	4.0	2.0	2.2	19	52	57
632-4	0.18	1340	1.03	0.59	63	0.73				19		
711-4	0.25	1370	1.34	0.78	66	0.74				20	55	60
712-4	0.37	1370	1.88	1.09	69	0.75				20		
801-4	0.55	1390	2.59	1.5	71	0.75	5.0	2.4	2.3	21	58	63
802-4	0.75	1390	3.45	2.0	73	0.77				22		
90S-4	1.1	1400	5.01	2.9	76.2	0.77	6.0	2.3		33	61	66
90L-4	1.5	1400	6.39	3.7	78.5	0.79				37		
100L1-4	2.2	1430	8.81	5.1	81	0.81			50	64	69	
100L2-4	3.0	1430	11.8	6.8	82.6	0.82			53			
112M-4	4.0	1440	—	8.8	84.2	0.82	58	65	70			
132S-4	5.5	1440	—	11.84	86	0.84	88			71	76	
132M-4	7.5	1440	—	15.4	87	0.85	104					
160M-4	11	1460	—	22.3	88.4	0.85	7.0	2.4	148	75	80	
160L-4	15	1460	—	30.1	89.4	0.85			166			79
180M-4	18.5	1470	—	36.5	90.5	0.85			2.3	220	76	80
180L-4	22	1470	—	43.1	91.2	0.85				270		
200L-4	30	1470	—	57.6	92	0.86	7.2	2.2	318	79	83	
225S-4	37	1480	—	69.9	92.5	0.87			351			81
225M-4	45	1480	—	84.5	92.8	0.87			371	83	86	
250M-4	55	1480	—	102	93	0.87			471			86
280S-4	75	1480	—	140	93.8	0.87	577	86	89			
280M-4	90	1480	—	167	94.2	0.87	648					
315S-4	110	1480	—	199	94.5	0.88	7.0	2.1	1040	93	96	
315M-4	132	1490	—	238	94.8	0.88			1200			
315L1-4	160	1490	—	284	94.9	0.89			1280	97	100	
315L2-4	200	1480	—	355	94.9	0.89			1320			
355S1-4	(185)	1480	—	329	94.9	0.89	1532	101	104			
355S2-4	(200)	1480	—	355	94.9	0.89	1532					
355M1-4	(220)	1480	—	390	94.9	0.90	1657	2.2	108	113		
355M2-4	250	1480	—	442	95.2	0.90	1706					
355L1-4	(280)	1480	—	495	95.2	0.90	1883					
355L2-4	315	1480	—	556	95.2	0.90	2035					
400S-4	355	1487	—	628	95.5	0.90	6.0	1.1	2345	108	113	
400M-4	400	1487	—	707	95.5	0.90			2502			
400L-4	450	1487	—	795	95.5	0.90			2554			
450S-4	500	1488	—	884	95.5	0.90			3380			
450M-4	560	1488	—	990	95.5	0.90			3650			
450L-4	630	1489	—	1114	95.5	0.90			3720			

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							额定电流 Locked-rotor current Rated current	额定转矩 Locked-rotor torque Rated torque	额定转矩 Breakdown torque Rated torque		空载 No-load	负载 load	
同步转速1000转/分(6极) Synchronous speed 1000 r/min (6 poles)													
711-6	0.18	835	1.15	0.66	62	0.66	4.0	1.9	2.1	21	52	59	
712-6	0.25	860	1.53	0.89	63	0.68				21			
801-6	0.37	900	2.25	1.3	63	0.70				21	54	61	
802-6	0.55	900	2.94	1.7	66	0.72				22.5			
90S-6	0.75	910	3.97	2.3	69	0.72	5.0	2.1	33	57	64		
90L-6	1.1	910	5.35	3.1	73	0.73			38				
100L-6	1.5	940	6.74	3.9	76	0.76			50	61	68		
112M-6	2.2	940	—	5.6	79	0.76			53	65	72		
132S-6	3.0	960	—	7.3	81	0.77	6.0	2.1	84	69	76		
132M1-6	4.0	960	—	9.4	83	0.78			98				
132M2-6	5.5	960	—	12.6	85	0.78	6.5	2.4	114	73	80		
160M-6	7.5	970	—	16.8	86	0.79			141				
160L-6	11	970	—	24.3	87.5	0.79			165				
180L-6	15	970	—	31.6	89	0.81			2.1			260	79
200L1-6	18.5	970	—	37.6	90	0.83	7.0	2.2	300	76	82		
200L2-6	22	970	—	44.7	90	0.83			320				
225M-6	30	980	—	57.6	92	0.86	7.0	2.1	341	78	84		
250M-6	37	980	—	69.8	92	0.86			448				
280S-6	45	980	—	86.0	92.5	0.86			531	80	85		
280M-6	55	980	—	105	92.8	0.86			2.2			583	
315S-6	75	990	—	142	93.5	0.86	7.0	2.0	910	85	90		
315M-6	90	990	—	170	93.8	0.86			950				
315L1-6	110	990	—	207	94	0.86			1040			1210	89
315L2-6	132	990	—	245	94.2	0.87			1210				
355S-6	160	980	—	292	94.5	0.88	7.0	2.0	1829	92	96		
355M1-6	(185)	980	—	338	94.5	0.88			1896				
355M2-6	200	980	—	365	94.5	0.88			1965				
355L1-6	(220)	980	—	401	94.5	0.88			2115				
355L2-6	250	980	—	454	94.5	0.88			2236				
400S-6	280	993	—	509	95	0.88			6.0			1.2	2459
400M-6	315	992	—	573	95	0.88	2522						
400L-6	355	992	—	645	95	0.88	2589						
450S-6	400	991	—	727	95	0.88	3480						
450M-6	450	990	—	818	95	0.88	3540						
450L-6	500	900	—	909	95	0.88	3700						

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技术数据

Technical Data

型号 Type	功率 Output (kW)	转速 Rated Speed (r/min)	电流 Current (A) (220V)	电流 Current (A) (380V)	效率 Efficiency (%)	功率因数 Power factor (CosΦ)	堵转电流	堵转转矩	最大转矩	重量 Weight (kg)	噪声 Noise dB(A)						
							额定电流 Locked-rotor current Rated current	额定转矩 Locked-rotor torque Rated torque	额定转矩 Breakdown torque Rated torque		空载 No-load	负载 load					
同步转速750转/分(8极) Synchronous speed 750 r/min (8 poles)																	
801-8	0.18	650	1.38	0.86	52	0.61	3.3		1.9	22	52	60					
802-8	0.25	650	1.90	1.13	55	0.61				23							
90S-8	0.37	670	2.42	1.43	63	0.62	4.0	1.8	2.0	33	56	64					
90L-8	0.55	670	3.63	2.07	64	0.63				37							
100L1-8	0.75	690	4.15	2.4	71	0.68				54	59	67					
100L2-8	1.1	690	5.7	3.3	73	0.69				58							
112M-8	1.5	690	—	4.4	75	0.69			55	61	69						
132S-8	2.2	710	—	5.6	79	0.73	5.5			86	64	72					
132M-8	3.0	710	—	7.6	81	0.73				97							
160M1-8	4.0	720	—	10.3	81	0.73	6.0	1.9	2.2	123	68	76					
160M2-8	5.5	720	—	13.4	83	0.75				141							
160L-8	7.5	720	—	17.5	85	0.76				165	70	78					
180L-8	11	730	—	25.3	87	0.76				255							
200L-8	15	730	—	33.7	89	0.76	6.5	2.0		300	73	80					
225S-8	18.5	730	—	40.0	90	0.78				328							
225M-8	22	740	—	47.4	90.5	0.78				338	75	82					
250M-8	30	740	—	63.4	91	0.79							453				
280S-8	37	740	—	77.8	91.5	0.79	6.0			536	76	83					
280M-8	45	740	—	94.1	92	0.79				591		82					
315S-8	55	740	—	111	92.8	0.81	6.5	1.8	2.0	824	82	88					
315M-8	75	740	—	151	93.5	0.81				966							
315L1-8	90	740	—	178	93.8	0.82				1055							
315L2-8	110	740	—	217	94	0.82				1118							
355S-8	132	740	—	260	94.2	0.82				1814	90	95					
355M-8	160	740	—	313	94.2	0.82				1948							
355L1-8	(185)	740	—	362	94.2	0.82				2055							
355L2-8	200	740	—	386	94.5	0.83				2209							
400S-8	250	742	—	487	94	0.83	5.5	1.3		2376	102	107					
400M-8	280	742	—	545	94	0.83				2452							
400L-8	315	742	—	613	94	0.83				2587							
450S-8	355	742	—	691	94	0.83				3245							
450M-8	400	742	—	779	94	0.83				3328							
450L-8	450	742	—	876	94	0.83				3450							
同步转速600转/分(10极) Synchronous speed 600 r/min (10 poles)																	
315S-10	45	580	—	99.1	91.5	0.75				6.0			1.5	2.0	811	82	89
315M-10	55	580	—	121	92	0.75	911										
315L1-10	75	580	—	162	92.5	0.76	1080										
315L2-10	90	590	—	191	93	0.77	1200										

注：带 () 为不推荐的规格。

Note: The data with '()' are not recommended specifications.

技术数据

Technical Data

型号 Type	功率 Output (kW)	转速 Rated Speed (r/min)	电流 Current (A) (220V)	电流 Current (A) (380V)	效率 Efficiency (%)	功率因数 Power factor (CosΦ)	堵转电流	堵转转矩	最大转矩	重量 Weight (kg)	噪声 Noise dB(A)	
							额定电流 Locked-rotor current Rated current	额定转矩 Locked-rotor torque Rated torque	额定转矩 Breakdown torque Rated torque		空载 No-load	负载 load
同步转速600转/分 (10极) Synchronous speed 600 r/min (10 poles)												
355M1-10	110	590	—	230	93.2	0.78	5.5	1.3	2.0	1782	90	89
355M2-10	132	590	—	275	93.5	0.78				1852		
355L1-10	160	590	—	333	93.5	0.78				2148		
355L2-10	(185)	590	—	385	93.5	0.78				2255		96
400S1-10	185	593	—	367	93.5	0.82	5.5	1.3	1.9	2365	102	107
400S2-10	200	593	—	396	93.5	0.82				2365		
400M-10	220	593	—	436	93.5	0.82				2393		
400L-10	250	592	—	495	93.5	0.82				2491		
450S-10	220	594	—	436	93.5	0.82				3118		
450M1-10	250	594	—	495	93.5	0.82				3245		
450M2-10	280	594	—	555	93.5	0.82				3328		
450L1-10	315	594	—	624	93.5	0.82				3540		
450L2-10	355	594	—	703	93.5	0.82				3940		
同步转速500转/分 (12极) Synchronous speed 500 r/min (12 poles)												
400S1-12	132	494	—	282	92.5	0.77	5.5	1.3	1.9	2169	102	107
400S2-12	160	494	—	341	92.5	0.77				2276		
400M-12	185	494	—	395	92.5	0.77				2394		
400L-12	200	494	—	427	92.5	0.77				2461		
450S-12	185	494	—	395	92.5	0.77				2590		
450M1-12	200	494	—	427	92.5	0.77				2990		
450M2-12	220	494	—	469	92.5	0.77				3130		
450L1-12	250	494	—	533	92.5	0.77				3250		
450L2-12	280	494	—	597	92.5	0.77				3380		
同步转速428转/分 (14极) Synchronous speed 428 r/min (14 poles)												
400S-14	110	422	—	250	91.5	0.73	5.0	1.3	1.9	2173	102	107
400M-14	132	422	—	300	91.5	0.73				2279		
400L-14	160	422	—	364	91.5	0.73				2395		
450S-14	160	423	—	364	91.5	0.73				3120		
450M1-14	185	423	—	420	91.5	0.73				3120		
450M2-14	200	423	—	454	91.5	0.73				3197		
450L1-14	220	423	—	500	91.5	0.73				3308		
450L2-14	250	423	—	569	91.5	0.73				3398		
同步转速375转/分 (16极) Synchronous speed 375 r/min (16 poles)												
400S-16	110	369	—	266	91	0.69	4.5	1.2	1.9	2337	102	107
400M-16	132	369	—	319	91	0.69				2473		
450S-16	160	369	—	387	91	0.69				3197		
450M1-16	185	369	—	448	91	0.69				3308		
450M2-16	200	369	—	484	91	0.69				3450		
450L1-16	220	369	—	532	91	0.69				3940		

注：带 () 为不推荐的规格。

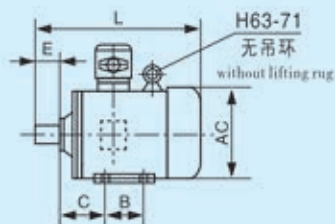
Note: The data with '()' are not recommended specifications.

安装尺寸与外形尺寸

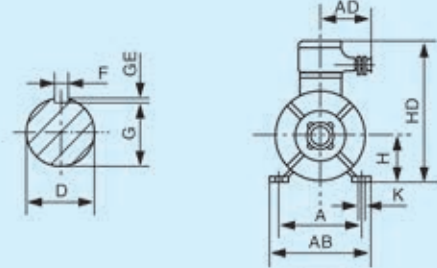
Mounting and overall Dimensions

B3 安装机座有底脚，端盖无凸缘

Mounting arrangement B3, frame with feet, end-shield without flange.



H63~450



YB2机座号H63~450
Frame sizes of YB2 63 to 355

机座带底脚、端盖上无凸缘的电动机
The motor of frame with feet, and end-shield without flange

机座号 Frame size	极数 No. of poles	安装尺寸及公差 Mounting dimensions and tolerances										外形尺寸 Overall dimensions					
		A	B	C	D	E	F	G	H	K	进线口管螺纹 Pipe thread for cable entry	AB	AC	AD	HD	L	
63	2, 4	100	80	40	11	23	4	8.5	63	7	M24×1.5	130	150	165	230	270	
71	2, 4, 6	112	90	45	14	30	5	11	71			140	155		240	300	
80	2, 4, 6, 8	125	100	50	19	40	6	15.5	80	10	M30×2	165	165	180	320	330	
90S		56		24	50	8	20	90	180			180	350		360		
90L		140	125	63	28		60	24	100	12		200	400	440			
100L		160	140			70									112	420	460
112M		190		178	89	38	80	10	33	132		245	230	200	450	510	
132S		216	210	108	42	110	12	37	160	15		M36×2	330	325	220	520	655
132M		254	254	121	48		14	42.5	180							550	695
160M		279	241	133	55		16	49	200	730			750				
160L		318	279	55	140		18	53	225	805			865				
180M		4, 8	356	311	149	60	140	18	53	19		M48×2	435	450	250	645	805
180L	55					110	16	49	200		690					860	
200L	2	406	349	168	60	140	18	53	25	24	490	500	312	720	945		
225S	4, 6, 8				65		58	280						790			
225M	2	75	20	67.5	315		M64×2	640	630	400	1020						
250M	4, 6, 8	457	419	190								65	58	280	1060		
280S	2	508	406	216	80	170	22	71	28	M64×2	640	630	400	1020	1250		
280M	4, 6, 8				65	58	315	1440									
315S	2				65	140	18	58	355		740	750	500	1080			
315M	4, 6, 8, 10				80	170	22	71							1570		
315L	2	610	500	254	80	140	20	67.5	35	M72×2	800	790	480	1130	1710		
355S	4, 6, 8, 10				95	170	25	86							1730		
355M	2				75	140	20	67.5	450		960	910	560	1280			
355L	4, 6, 8, 10				95	170	25	86							1970		
400	2	686	280	315	75	140	20	67.5	35	M85×3	960	910	560	1280	1710		
450	4~16				100	210	28	90							1730		
450	2	800	315	315	80	170	22	71	35	M85×3	960	910	560	1280	1950		
450	4~16				110	210	28	100							1970		

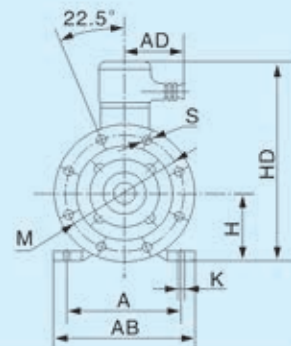
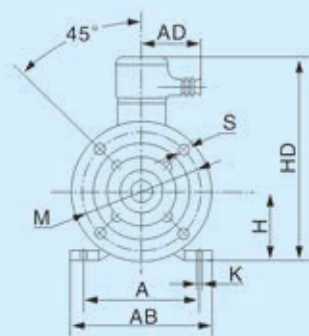
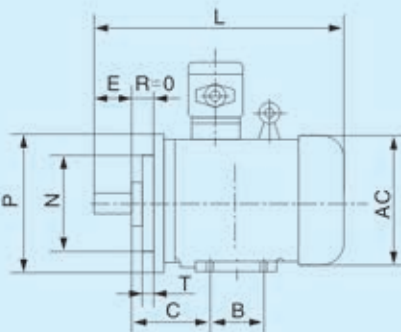
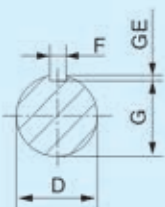
注: 1、G=D-GE, GE的极限偏差对机座号80及以下为 $\begin{pmatrix} +0.10 \\ 0 \end{pmatrix}$, 其余为 $\begin{pmatrix} +0.20 \\ 0 \end{pmatrix}$ 。

2、K孔的位置度公差以轴伸的轴线为基准。

Note: 1、G=D-GE, The limit deviation of GE is $\begin{pmatrix} +0.10 \\ 0 \end{pmatrix}$ for frame sizes 80 and lower, and is $\begin{pmatrix} +0.20 \\ 0 \end{pmatrix}$ for the others.

2、The tolerance of degree of position for hole K is based on the axis of the shaft extension.

B35 安装机座带底脚、
端盖上有凸缘 (带通孔)
 Mounting arrangement
 B35, frame with feet,
 end-shield with flange
 (with through holes)

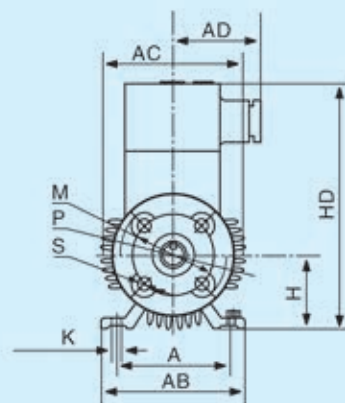
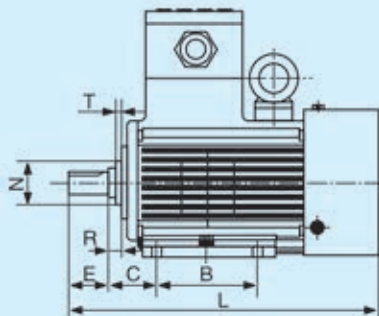
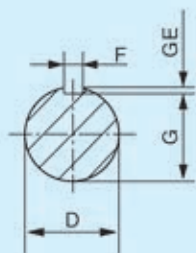


机座号 Frame size	凸缘号 Flange size	极数 No. of poles	安装尺寸及公差 Mounting dimensions and tolerances														外形尺寸 Overall dimensions															
			A	B	C	D	E	F	G	H	K	M	N	Pmax	S	T	凸缘孔数 No. of holes in flange	进线口管螺纹 Pipe thread for cable entry	AB	AC	AD	HD	L									
80	FF165	2, 4, 6, 8	125	100	50	19	40	6	15.5	80	10	165	130	200	12	3.5	4	M30×2	165	165	180	320	330									
90S			140	56	24	50	8	20	90	350									360													
90L				125	240	50		385																								
100L	FF125		160	63	28	60		24	100	12	215	180	250	15	4	200			205	400	440											
112M			190	70	28	60		112	12		215	180	250			420			460													
132S	FF265		216	89	38	80		10	33	132	12	265	230	300	15	4			280	270	200	450	510									
132M		178	89	38	80	10		33	132	265		230	300	450			550															
160M	FF300	254	210	108	42	110	12	37	160	15	300	250	350	19	5	8	M36×2	330	325	220	520	655										
160L		254	108	42	110		12	37	160									330	325		520	695										
180M		279	241	121	48		14	42.5	180									355	360		550	730										
200L	318	279	121	48	14	42.5	180	355	360	550	750																					
225S	FF400	4, 8	286	60	140	18	53	225	19	400	350	450	19	5	8			M48×2	390	400	250	645	805									
225M		2	356	55	110	16	49												225	19		400	350	450	19	5	435	450	250	690	860	
250M		4, 6, 8	311	55	110	16	49									225	19		400	350		450	19	5	435	450	250	690	890			
250M	FF500	2	406	60	140	18	53	250	24	500	450	550	24	5		8	M64×2		490	500	300	720	945									
280S		4, 6, 8	368	65		180	20												67.5	280		24	500	450	550	24	5	545	565	300	790	1010
280M		2	457	65		180	18												58	280		24	500	450	550	24	5	545	565	300	790	1060
315S	FF600	4, 6, 8, 10	406	65	170	22	71	315	28	600	550	660	24	6	8			M64×2	640	630	400	1020	1250									
315M		2	508	80		170	22												71	315		28	600	550	660	24	6	640	630	400	1020	1280
315L		4, 6, 8, 10	508	80		170	22												71	315		28	600	550	660	24	6	640	630	400	1020	1320
355S	FF740	2	500	75	140	20	67.5	355	35	740	680	800	28	6		8	M64×2		740	750	500	1080	1350									
355M		4, 6, 8, 10	560	95	170	25	86												355	35		740	680	800	28	6	740	750	500	1080	1410	
355L		2	610	75	140	20	67.5												355	35		740	680	800	28	6	740	750	500	1080	1440	
400	FF940	4, 6, 8, 10	500	95	170	25	86	355	35	740	680	800	28	6	8			M64×2	740	750	500	1080	1570									
450		2	610	75	140	20	67.5												355	35		740	680	800	28	6	740	750	500	1080	1690	
400		4, 6, 8, 10	560	95	170	25	86												355	35		740	680	800	28	6	740	750	500	1080	1570	
400	FF940	2	686	75	140	20	67.5	400	35	940	880	1000	28	6		8	M72×2		800	790	480	1130	1710									
450		4~16	800	100	210	28	90												400	35		940	880	1000	28	6	800	790	480	1130	1730	
450		2	800	80	170	22	71												450	35		940	880	1000	28	6	800	790	480	1130	1950	
450	FF940	4~16	800	110	210	28	100	450	35	940	880	1000	28	6	8			M85×3	960	910	560	1280	1970									
450		2	800	110	210	28	100												450	35		940	880	1000	28	6	960	910	560	1280	1970	

注: 1、G=D-GE, GE的极限偏差对机座号80及以下为 $\begin{pmatrix} +0.10 \\ 0 \end{pmatrix}$, 其余为 $\begin{pmatrix} +0.20 \\ 0 \end{pmatrix}$ 。
 2、K、S孔的位置度公差以轴伸的轴线为基准。

Note: 1、G=D-GE, The limit deviation of GE is $\begin{pmatrix} +0.10 \\ 0 \end{pmatrix}$ for frame sizes 80 and lower, and is $\begin{pmatrix} +0.20 \\ 0 \end{pmatrix}$ for the others.
 2、The tolerances of degree of position for holes K and S are based on the axis of the shaft extension.

机座带底脚、端盖上有凸缘 (带螺孔) 的电动机
The motor of frame with feet, and end-shield with flange (with threaded holes)

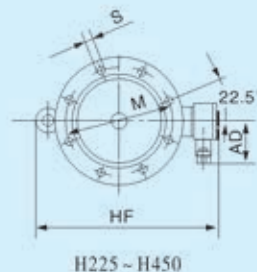
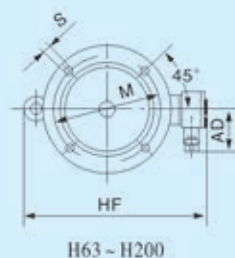
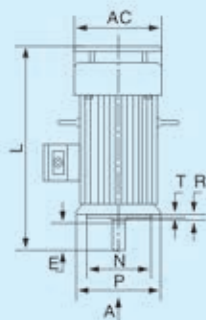
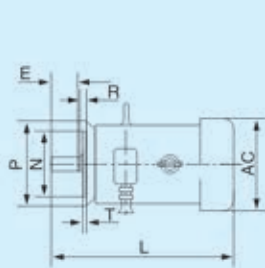


机座号 Frame size	凸缘号 Flange size	极数 No. of poles	安装尺寸及公差 Mounting dimensions and tolerances																	外形尺寸 Overall dimensions				
			A	B	C	D	E	F	G	H	K	M	N	Pmax	R	S	T	凸缘孔数 No. of holes of flange	进线口管螺纹 Pipe thread for cable entry	AB	AC	AD	HD	L
63	FT75	2、4	100	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	2.5	4	M24×1.5	130	150	165	230	270
71	FT85	2、4、6	112	90	45	14	30	5	11	71		85	70	105		M6				140	155		240	300
80	FT100	2、4、6、8	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M8	3	4	M30×2	165	165	180	320	330
90S	FT115		140		56	24	50	20	90	115		95	140	180						180	350		360	
90L			125	8	28	60	24	112	12	130	110	160	200	205	400	440								
100L			160														63	100	3.5	420	440			
112M	FT130		190	140	70	28	60	24	112	12	130	110	160	245	230	200	420	460						

注: 1、G=D-GE, GE的极限偏差对机座号80及以下为 $\begin{pmatrix} +0.10 \\ 0 \end{pmatrix}$, 其余为 $\begin{pmatrix} +0.20 \\ 0 \end{pmatrix}$ 。
2、K、S孔的位置度公差以轴伸的轴线为基准。
3、R为凸缘配合面至轴伸肩的距离。

Note: 1、G=D-GE, The limit deviation of GE is $\begin{pmatrix} +0.10 \\ 0 \end{pmatrix}$ for frame sizes 80 and lower, and is $\begin{pmatrix} +0.20 \\ 0 \end{pmatrix}$ for the others.
2、The tolerances of position for holes K and S are based on the axis of the shaft extension.
3、R is the distance of the mating surface of flange to the axle shoulder.

**B5卧式安装或V1立式安装，
机座不带底脚、端盖上有凸缘（带通孔）的电动机**
Mounting arrangements B5
or V1, frame without feet,
end-shield with flange
(with through holes)



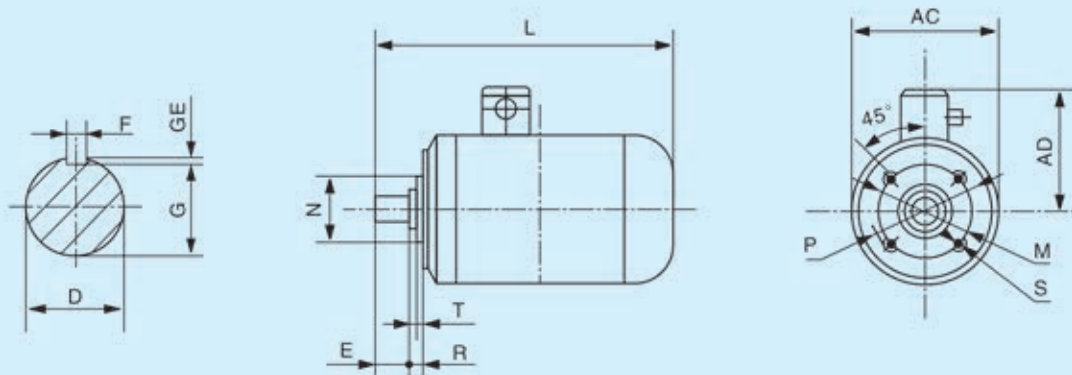
机座号 Frame size	凸缘号 Flange size	极数 No. of poles	安装尺寸及公差 Mounting dimensions and tolerances											外形尺寸 Overall dimensions																																														
			D	E	F	G	M	N	Pmax	R	S	T	凸缘孔数 No. of holes of flange	进线口管螺纹 Pipe thread for cable entry	AC	AD	HF	卧式 Horizontal mounting	立式 Vertical mounting																																									
63	FF115	2, 4	11	23	4	8.5	115	95	140	0	10	3.0	4	M24×1.5	130	170	250	270	310																																									
71	FF130	2, 4, 6	14	30	5	11	130	110	160						145	170	300	300	340																																									
80	FF165	2, 4, 6, 8	19	40	6	15.5	165	130	200						165	240	380	330	375																																									
90S			24	50	8	20									180	250	180	260	400	360	405																																							
90L			28	60	38	80	10	33	265						230	300	230	310	465	460	520	385	430																																					
100L																						205	300	420	440	485																																		
112M	FF215	2, 4, 6, 8	42	110	12	37	300	250	350						400	15	4	4	M30×2	270	320	510	510	590																																				
132S	270																			320	510	550	630																																					
132M	FF265		4, 8	60	140	18	53	400	350						450	55	16	49	350	300	400	400	445	710	655	730																																		
160M	48																								14	42.5	300	250	350	360	370	640	730	800																										
160L	55																								60	140	18	53	400	350	400	60	18	58	500	450	550	500	500	870	805	875																		
180M																																									75	20	67.5	400	350	450	465	760	865	935										
180L	FF350		4, 6, 8	65	140	18	58	500	450						550	55	16	49	350	300	400	450	465	760	860	930																																		
200L	2																								55	110	16	49	400	350	450	890	960																											
225S	4, 6, 8																								140	18	58	500	450	550	550	550	55	16	49	350	300	400	450	465	760	890	960																	
225M	2																																									55	110	16	49	400	350	450	890	960										
250M	4, 6, 8																																									65	140	18	58	500	450	550	550	55	16	49	350	300	400	450	465	760	945	1035
280S	2																																																										65	140
280M	4, 6, 8	140	18	58	500	450	550	550	550						55	16	49	350	300	400	450	465	760	890	960																																			
315S	2																							65	140	18	58	500	450	550	550	55	16	49	350	300	400	465	760	1060	1150																			
315M	4, 6, 8, 10																							65	140	18	58	500	450	550	550	55	16	49	350	300	400	450	465	760	890	960																		
315L	2																																								65	140	18	58	500	450	550	550	55	16	49	350	300	400	465	760	1060	1150		
355S	4, 6, 8, 10																																								75	140	20	67.5	740	680	800	800	75	140	20	67.5	740	680	800	750	725	1240	1340	1370
355M	2																																																										75	140
355L	4, 6, 8, 10	75	140	20	67.5	740	680	800	800	75	140	20	67.5	740	680	800	750	725	1240	1450	1510																																							
400	2																			75	140	20	67.5	740	680	800	750	725	1240	1540	1600																													
450	4~16																			100	210	28	90	940	880	1000	940	880	1000	940	880	1000	940	880	1000	940	880	1000																						
450	2																			80	170	22	71	940	880	1000	940	880	1000	940	880	1000	940	880	1000	940	880	1000																						
450	4~16	110	210	28	100	940	880	1000	940	880	1000	940	880	1000	940	880	1000	940	880	1000																																								

注：1、G=D-GE，GE的极限偏差对机座号80及以下为 $\begin{pmatrix} +0.10 \\ 0 \end{pmatrix}$ ，其余为 $\begin{pmatrix} +0.20 \\ 0 \end{pmatrix}$ 。
2、S孔的位置度公差以轴伸的轴线为基准。

Note: 1、G=D-GE, The limit deviation of GE is $\begin{pmatrix} +0.10 \\ 0 \end{pmatrix}$ for frame sizes 80 and lower, and is $\begin{pmatrix} +0.20 \\ 0 \end{pmatrix}$ for the others.
2、The tolerance of degree of position for hole S is based on the axis of the shaft extension.

B5卧式安装或V1立式安装，机座不带底脚、端盖上有凸缘（带通孔）的电动机

Mounting arrangements B5 or V1, frame without feet, end-shield with flange (with through holes)



机座号 Frame size	凸缘号 Flange size	极数 No. of poles	安装尺寸及公差 Mounting dimensions and tolerances											外形尺寸 Overall dimensions			
			D	E	F	G	M	N	Pmax	R	S	T	凸缘孔数 No. of holes of flange	进线口管螺纹 Pipe thread for cable entry	AC	AD	L
63	FT75	2、4	11	23	4	8.5	75	60	90	0	M5	2.5	4	M24×1.5	150	170	270
71	FT85	2、4、6	14	30	5	11	85	70	105						155		300
80	FT100	2、4、6、8	19	40	6	15.5	100	80	120						M6	3.0	M30×2
90S	FT115		24	50	8	20	115	95	140	M8	3.5	180	260	360			
90L			205	300		385											
100L	FT130		28	60	24	130	110	160	205	300	440						
112M		230	310	460													

注：1、G=D-GE，GE的极限偏差对机座号80及以下为 $\begin{pmatrix} +0.10 \\ 0 \end{pmatrix}$ ，其余为 $\begin{pmatrix} +0.20 \\ 0 \end{pmatrix}$ 。

2、S孔的位置度公差以轴伸的轴线为基准。

3、R为凸缘配合面至轴伸肩的距离。

Note: 1、G=D-GE, The limit deviation of GE is $\begin{pmatrix} +0.10 \\ 0 \end{pmatrix}$ for frame sizes 80 and lower, and is $\begin{pmatrix} +0.20 \\ 0 \end{pmatrix}$ for the others.

2、The tolerance of degree of position for hole S is based on the axis of the shaft extension.

3、R is the distance of the mating surface of flange to the axle shoulder.



▲ 航空母舰

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