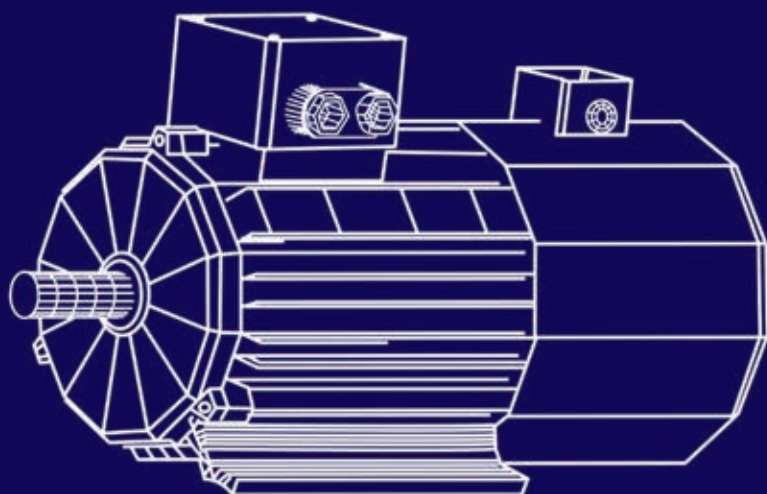


YBPT系列

隔爆型变频调速三相异步电动机



中国·佳木斯防爆电机有限公司

JIAMUSI EXPLOSION-PROOF ELECTRIC MOTOR CO.,LTD



一、概 述

1.1 YBPT系列隔爆型变频调速三相异步电动机，是我公司在YB2系列电动机基础上结合了当前国内外电磁结构、工艺、材料等方面的新技术而开发研制成的新产品，其安装尺寸与YB2系列电动机相同。

1.2 本系列电动机具有调速性能好、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。

1.3 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“d”》的规定。电动机隔爆结构和参数的设计也参考了IEC79和EN50018的规定。电动机制成隔爆型，适用于需要调速控制的爆炸气体环境危险场所。

I类：ExdI，适用于煤矿井下非采掘工作面的场所。

II类：适用于除煤矿外的其它爆炸性气体环境场所。

ExdIIAT4适用于IIA级，T1、T2、T3、T4级爆炸性气体混合物存在的场所。

ExdIIBT4适用于IIA、IIB级，T1、T2、T3、T4级爆炸性气体混合物存在的场所。

对ExdIICT4防爆标志的电动机也可按协议供货。

1.4 本系列电动机主体外壳防护等级为IP55，接线盒为IP55。

General

1.1 YBPT series of flame - proof variable - frequency adjustable - speed three - phase induction motors are the new products developed on YB2 - series motors basis and in combination with the new techniques, such as electromagnetic construction, process and material, etc. The mounting dimensions are the same as those of YB2.

1.2 The motors have the advantages of good adjustable - speed performance, saving energy, greater margin of temperature rise, longer lifetime, satisfactory performance, small vibration, lower noise, advanced flame - proof construction, higher reliability, convenient maintenance and protection, etc.

1.3 The motors comply with GB3836.2-2000 Electrical Apparatus for Use in Explosive Gas Atmosphere, Part2: Flame - proof enclosure "d". The design of flame - proof constructions and parameters of the motors also refers to IEC79 and EN50018. The motors are made into flame - proof construction, and suitable for driving the equipment needing the adjustable speed control, and placing in the explosive hazardous areas.

Group I : Exd I, suitable for the non - excavated work surface in underground coal mine.

Group II : Suitable for explosive gas atmosphere other than coal mine.

ExdIIAT4 : suitable for the area where explosive gas mixtures with groups of II A and II B and temperature classes T1, T2, T3 and T4 exist.

ExdIIBT4 : suitable for the places where explosive gas mixtures with groups of II A and II B and temperature classes T1, T2, T3 and T4 exist.

The motor marked with ExdIICT4 can be available on the agreement.

1.4 Degree of protection by motor enclosure is IP55, and by terminal box, IP55.

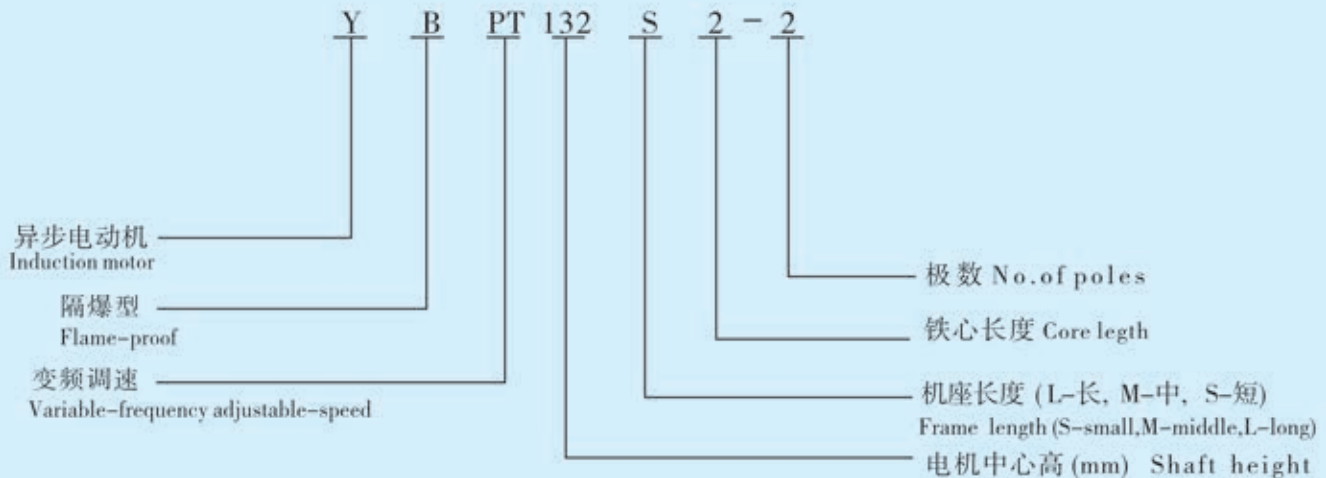


1.5 本系列电动机还可以制成YBPT—TH 湿热带型或YBPT—W户外型。

1.5 The motors can be made into the moist tropical type (YBPT - TH) and outdoor type(YBPT - W)

二、结构说明 Description of construction

电动机型号说明:Meaning of type of motor:



2.1 定子：定子铁心嵌完绕组后经VPI真空压力浸渍处理，使之成为一个完整的整体，绕组及绝缘具有良好的电气、机械、防潮性能及热稳定性。

2.1 **Stator:** The stator core with winding shall be treated by VPI and form an integral structure. The windings and insulation have good electrical, mechanical, damp-proof and thermal stability performances, etc.

电动机的绝缘等级为F(H)级，电动机的电磁负荷设计考虑了一定的裕度，既能保证电机在高频时的过载能力又能保证在低频时的恒转矩输出，寿命长，使用可靠性高。

The motors are class F(H) insulated. The motor is certain margin designed, and hence can not only ensure the overload capacity at high frequency, but also ensure the constant torque at low frequency. Therefore, the motor has long lifetime and high reliability.

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

2.2 **Rotor:** The cast aluminium rotor is fitted on to the shaft by using the shrink-fit and cold-press processes. After the rotor is well balanced, the motor can run smoothly.

2.3 接线盒：为圆筒形隔爆结构，盒内有较大的空腔便于接线。进线方式分橡胶套电缆和挠性管进线两种，按不同起动要求，分别制成一或二进线口。接线盒空腔至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。

2.3 **Terminal box:** The terminal box is of flameproof cylindrical construction. Interior of the box has generous cavity convenient to connection. Cavity cable and flexible conduit are used for cable entry. According to different starting requirements, the terminal box is provide with one or two leading-in holes. Flame-proof thread construction is adopted between the cavity for terminal box and the main cavity. The terminal box is located on the top of the motor, and cable can be led into from two sides. The motor shall be provided with one leading-in hole if no special requirements when order.

2.4 轴承：电动机的轴承均选用电动机专用轴承，H180 -H400 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。

电动机采用独立通风的冷却结构，在非轴伸端设独立的轴向风机强迫通风，效率高、噪声低、结构简单、便于安装编码器、测速机及制动器等辅助设备，保证了电动机在低速运行时温升不超过限值。

2.4 **Bearing:** The special bearings are selected for motres. Frame sizes 180 to 400 motors are provided with bearings with oil-filling and-draining device and without oil-filling and draining device. The bearings without oil-filling and-draining device shall be available if nothing is stated when ordering.

The motors have the separately ventilated cooling consuuction. Separated axial fan are located on the outer shaft extension end to achieve forced-ventilation. The motors have the higher efficiency and lower noise, simple construction, and are easy to fit the auxiliary equipments such as encoder techogenerator, brake, etc. This fan assure that the temperature rise of motors at a low speed operation does not exceed limiting value.

三、技术数据

3.1 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

额定频率：50Hz

额定电压：380V

工作方式：连续工作制(S1)

调频范围：2极电机及355~400机座号为3~60Hz，4极及以上为3~100Hz。低于额定频率以下为恒转矩输出，高于额定频率以上为恒功率输出。

注：对额定频率、额定电压、调频范围有特殊要求，请在订货时提出。

Technical data

3.1 Operation conditions

Ambient air temperature:changes with season,but does not exceeds 40℃;

Altitude above sea level: up to 1000m;

Rated frequency:50Hz;

Rated voltage:380V;

Duty type: continuous running duty(S1);

Frequency-adjusting range:3 to 60 Hz for 2 - pole motor , and 3 to 100 Hz for 4-pole motor.motors have constant-torque output when frequency of motors is lower than rated one and have constant-power output when frequency of motors is higher than rated one.

Note: If you have special requirements for rated frequency, rated voltage and range of adjust table frequency,please specify them when ordering.

配套冷却风机 matching cooling fan

电机机座号 Frame Size	80	90	100	112	132	160	180	200	225	250	280	315	355	400
风机功率 Output of fan (W)	60	60	60	60	60	60	230	230	230	230	370	450	550	1100
风机电压 Voltage of fan	380V 三相						380V Three-phase							



3.2 技术数据 Technical data

型号 Type	功率 Output (kW)	额定转速 Rated speed (r/min)	额定电流 Rated current (A)	额定效率 Rated Efficiency (%)	额定功率因数 Rated power factor ($\cos\phi$)	额定转矩 Rated torque	最大转矩 额定转矩 Breakdown torque Rated torque	重量 Weight (kg)
同步转速 3000r/min Synchronous speed 3000r/min 50Hz								
80M1-2	0.75	2830	1.83	75	0.83	2.5	2.3	27
80M2-2	1.1	2830	2.61	78	0.84	3.7		28
90S-2	1.5	2840	3.42	79	0.84	5.0		40
90L-2	2.2	2840	4.48	81	0.85	7.4		42
100L-2	3.0	2870	6.22	83	0.88	10.0		48
112M-2	4.0	2890	8.13	85	0.88	13.2		57
132S1-2	5.5	2900	11.1	86	0.88	18.1		77
132S2-2	7.5	2900	14.8	87	0.88	24.7		77
160M1-2	11	2930	21.6	88.4	0.88	35.9	2.4	165
160M2-2	15	2930	28.8	89.4	0.89	48.9		151
160L-2	18.5	2930	35.5	90	0.89	60.3		170
180M-2	22	2940	41.0	90.5	0.90	71.5	2.3	221
200L1-2	30	2950	55.5	91.4	0.90	97.1	2.4	250
200L2-2	37	2950	67.9	92	0.90	119.8		255
225M-2	45	2970	82.1	92.5	0.90	144.7	2.3	415
250M-2	55	2970	99.7	93	0.90	176.9		455
280S-2	75	2970	134	93.6	0.91	241.2		600
280M-2	90	2970	160	93.9	0.91	289.4		650
315S-2	110	2980	195	94	0.91	352.5	2.2	1015
315M-2	132	2980	233	94.5	0.91	423.0		1078
315L1-2	160	2980	279	94.6	0.91	512.8		1168
315L2-2	200	2980	348	94.8	0.92	640.9		1231
355S1-2	(185)	2980	323	94.6	0.91	592.9		1690
355S2-2	(200)	2980	348	94.8	0.92	640.9		1592
355M1-2	(220)	2980	383	94.8	0.92	705.0		1592
355M2-2	250	2980	433	95.2	0.92	801.2		1690
355L1-2	(280)	2980	485	95.2	0.92	897.3	1849	
355L2-2	315	2980	544	95.4	0.92	1009.5	1947	
400S-2	355	2984	604	96	0.93	1136.1	2.5	2189
400M-2	400	2984	681	96	0.93	1280.2		2389

注：带（ ）为不推荐规格。 Note: The data with '()' are not recommended specifications



3.2 技术数据 Technical data

型号 Type	功率 Output (kW)	额定转速 Rated speed (r/min)	额定电流 Rated current (A)	额定效率 Rated Efficiency (%)	额定功率因数 Rated power factor (cos φ)	额定转矩 Rated torque	最大转矩 额定转矩 Breakdown torque Rated torque	重量 Weight (kg)
同步转速 1500r/min Synchronous speed 1500r/min 50Hz								
80M1-4	0.55	1390	1.5	71	0.75	3.8	2.3	27
80M2-4	0.75	1390	2.0	73	0.77	5.2		28
90S-4	1.1	1400	2.9	76.2	0.77	7.5		41
90L-4	1.5	1400	3.7	78.5	0.79	10.2		43
100L1-4	2.2	1430	5.1	81	0.81	14.7	2.4	45
100L2-4	3.0	1430	6.8	82.6	0.82	20.0		50
112M-4	4.0	1440	8.8	84.2	0.82	26.5		57
132S-4	5.5	1440	11.8	86	0.84	36.5		80
132M-4	7.5	1440	15.4	87	0.85	49.7		95
160M-4	11	1460	22.3	88.4	0.85	71.9		148
160L-4	15	1460	30.1	89.4	0.85	98.1	166	
180M-4	18.5	1470	36.5	90.5	0.85	120.2	2.3	220
180L-4	22	1470	43.1	91.2	0.85	142.9		225
200L-4	30	1470	57.6	92	0.86	194.9	2.4	270
225S-4	37	1480	69.9	92.5	0.87	238.8		350
225M-4	45	1480	84.5	92.8	0.87	290.4		380
250M-4	55	1480	102	93	0.87	354.9		471
280S-4	75	1480	140	93.8	0.87	484		630
280M-4	90	1480	167	94.2	0.87	580.7		700
315S-4	110	1480	199	94.5	0.88	709.8	2.2	910
315M-4	132	1490	238	94.8	0.88	846.0		1002
315L1-4	160	1490	284	94.9	0.89	1025.5		1089
315L2-4	200	1480	355	94.9	0.89	1290.5		1172
355S1-4	(185)	1480	329	94.9	0.89	1193.8		1532
355S2-4	(200)	1480	355	94.9	0.89	1290.5		1532
355M1-4	(220)	1480	390	94.9	0.90	1419.6		1567
355M2-4	250	1480	442	95.2	0.90	1613.2		1706
355L1-4	(280)	1480	495	95.2	0.90	1806.8		1883
355L2-4	315	1480	556	95.2	0.90	2032.6		2035
400S-4	355	1487	628	95.5	0.90	2279.9	2345	
400M-4	400	1487	707	95.5	0.90	2568.9	2502	
400L-4	450	1487	795	95.5	0.90	2890	2554	

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型号 Type	功率 Output (kW)	额定转速 Rated speed (r/min)	额定电流 Rated current (A)	额定效率 Rated Efficiency (%)	额定功率因数 Rated power factor ($\cos \phi$)	额定转矩 Rated torque	最大转矩 额定转矩 Breakdown torque Rated torque	重量 Weight (kg)
同步转速 1000r/min Synchronous speed 1000r/min 50Hz								
90S-6	0.75	910	2.3	69	0.72	7.9	2.1	41
90L-6	1.1	910	3.1	73	0.73	11.5		42
100L-6	1.5	940	3.9	76	0.76	15.23		44
112M-6	2.2	940	5.6	79	0.76	22.4		57
132S-6	3.0	960	7.3	81	0.77	29.8	2.4	76
132M1-6	4.0	960	9.40	83	0.78	39.8		86
132M2-6	5.5	960	12.6	85	0.78	54.7		101
160M-6	7.5	970	16.8	86	0.79	73.8		141
160L-6	11	970	24.3	87.5	0.79	108.3		168
180L-6	15	970	31.6	89	0.81	147.7	2.1	260
200L1-6	18.5	970	37.6	90	0.83	182.1	2.4	250
200L2-6	22	970	44.7	90	0.83	216.6		255
225M-6	30	980	57.6	92	0.86	292.3		350
250M-6	37	980	69.8	92	0.86	360.6		448
280S-6	45	980	86	92.5	0.86	438.5		590
280M-6	55	980	105	92.8	0.86	536.0	2.2	640
315S-6	75	990	142	93.5	0.86	723.5	2.0	851
315M-6	90	990	170	93.8	0.86	868.2		958
315L1-6	110	990	207	94	0.86	1061.1		1027
315L2-6	132	990	245	94.2	0.87	1273.3		1068
355S-6	160	980	292	94.5	0.88	1559.2		1930
355M1-6	(185)	980	338	94.5	0.88	1802.8		1829
355M2-6	200	980	365	94.5	0.88	1949.0		1965
355L1-6	(220)	980	401	94.5	0.88	2143.9		2115
355L2-6	250	980	454	94.5	0.88	2436.2	2236	
400S-6	280	993	509	95	0.88	2692.8	2.2	2459
400M-6	315	992	573	95	0.88	3032.5		2522
400L-6	355	992	645	95	0.88	3417.6		2589

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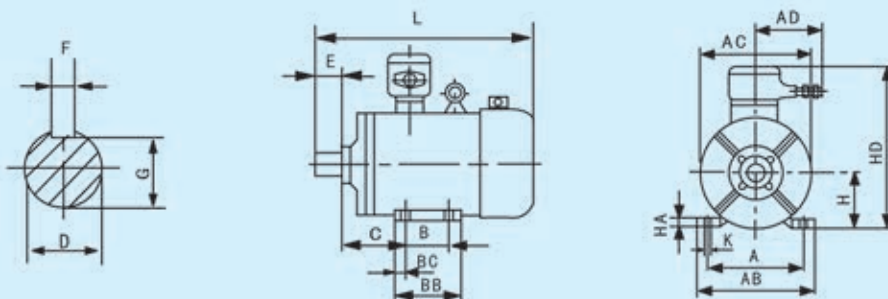


3.2 技术数据 Technical data

型号 Type	功率 Output (kW)	额定转速 Rated speed (r/min)	额定电流 Rated current (A)	额定效率 Rated Efficiency (%)	额定功率因数 Rated power factor ($\cos\phi$)	额定转矩 Rated torque	最大转矩 Breakdown torque 额定转矩 Rated torque	重量 Weight (kg)
同步转速 750r/min Synchronous speed 750r/min 50Hz								
132S-8	2.2	710	5.6	79	0.73	29.6	2.2	101
132M-8	3.0	710	7.6	81	0.73	40.3		87
160M1-8	4.0	720	10.3	81	0.73	53.1		135
160M2-8	5.5	720	13.4	83	0.75	72.9		123
160L-8	7.5	720	17.5	85	0.76	99.5		165
180L-8	11	730	25.3	87	0.76	143.9		250
200L-8	15	730	33.7	89	0.76	196.2		255
225S-8	18.5	730	40.0	90	0.78	242.0		330
225M-8	22	740	47.7	90.5	0.78	283.9		350
250M-8	30	740	63.4	91.0	0.79	387.1		453
280S-8	37	740	77.8	91.5	0.79	477.5	500	
280M-8	45	740	94.1	92	0.79	580.7	640	
315S-8	55	740	111	92.8	0.81	709.7	824	
315M-8	75	740	151	93.5	0.81	967.9	966	
315L1-8	90	740	178	93.8	0.82	1161.5	1068	
315L2-8	110	740	217	94	0.82	1419.5	1194	
355S-8	132	740	260	94.2	0.82	1703.5	1814	
355M-8	160	740	313	94.2	0.82	2064.8	1814	
355L1-8	(185)	740	362	94.2	0.82	2387.5	2155	
355L2-8	200	740	386	94.5	0.83	2581.0	2209	
400S-8	250	742	487	94	0.83	3217.7	2376	
400M-8	280	742	545	94	0.83	3603.8	2452	
400L-8	315	742	613	94	0.83	4054.2	2587	
同步转速 600r/min Synchronous speed 600r/min 50Hz								
315S-10	45	580	99.1	91.5	0.75	740.9	2.0	811
315M-10	55	580	121	92.0	0.75	905.6		911
315L1-10	75	580	162	92.5	0.76	1234.9		1161
315L2-10	90	590	191	93	0.77	1456.8		1237
355M1-10	110	590	230	93.2	0.78	1780.5		1782
355M2-10	132	590	275	93.5	0.78	2136.6		1852
355L1-10	160	590	333	93.5	0.78	2589.8		2148
355L2-10	(185)	590	385	93.5	0.78	2994.5		2255
400S1-10	185	593	367	93.5	0.82	2979.3	1.9	2365
400S2-10	200	593	396	93.5	0.82	3220.9		2365
400M-10	220	593	436	93.5	0.82	3543		2365
400L-40	250	592	495	93.5	0.82	4032.9		2491

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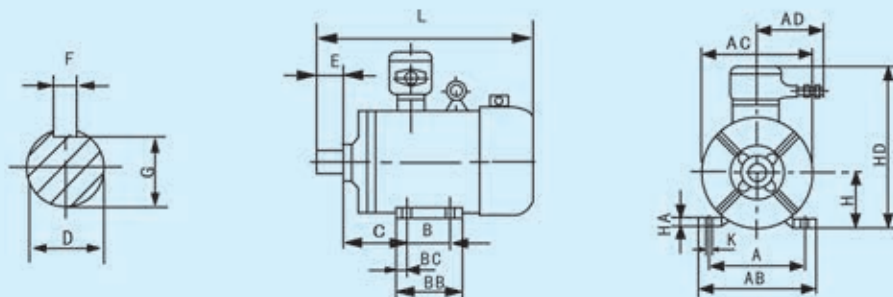
四、安装及外形尺寸 Mounting and Overall dimensions



机座带底脚、端盖上无凸缘的电动机

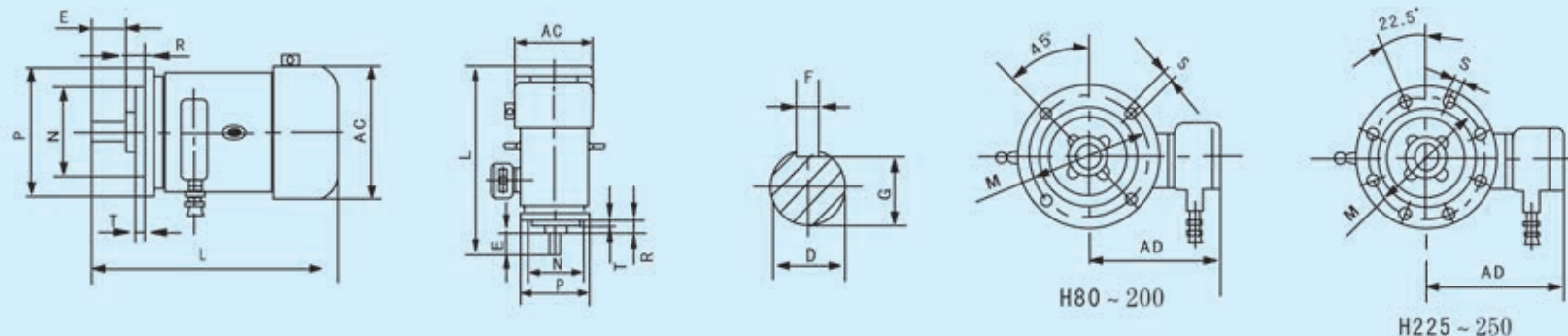
Motor of being frame with feet, end shield without flange

机座号 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	进线口管螺纹 Pipe thread at cable entry	AB	AC	AD	HD	HA	BB	BC	L	
80M	2、4	125	100	50	19	40	6	15.5	80	10	M30×2	165	165	180	320	10	130	15	460	
90S	2、4、6	140		56	24	50	8	20.0	90			12	180		180	350	14	130	15	500
90L		125	70	28	60	24.0		100	200	205			400	14	176	18	560			
100L		160				140	112	132	15	M36×2		245	230	420	16	180	20	580		
112M		190	89	38	80							10	33.0	10	280	270	200	450	18	205
132S	2、4、6、8	216	178	108	42	110	12	37.0	160	15		M36×2	330	325	220	520	20	270	32	780
132M		254																243	32	680
160M		254	210	121	48	14	42.5	180	19	M48×2		330	360	220	550	22	311	35	850	
160L			254														314		820	
180M		279	241	121	48	14	42.5	180	19	M48×2		355	360	220	550	22	349	35	870	
180L			279								349						870			
200L	318	305	133	55	16	49.0	200	19	M48×2	390	400	250	645	25	366	30	935			
225S	4、8	356	286	149	60	140	18	53.0	225	19	M48×2	435	450	250	690	28	366	40	1000	
225M	2		311		55	110	16	49.0									391		995	
225M	4、6、8		60	140	18	53.0	250	24	M64×2	490	500	312	720	30	455	55	1090			
250M	2	406	349	168	65	140	18	58.0	250	24	M64×2	490	500	312	720	30	455	55	1090	
250M	4、6、8																			



机座带底脚、端盖上无凸缘的电动机 Motor of being frame with feet, end shield without flange

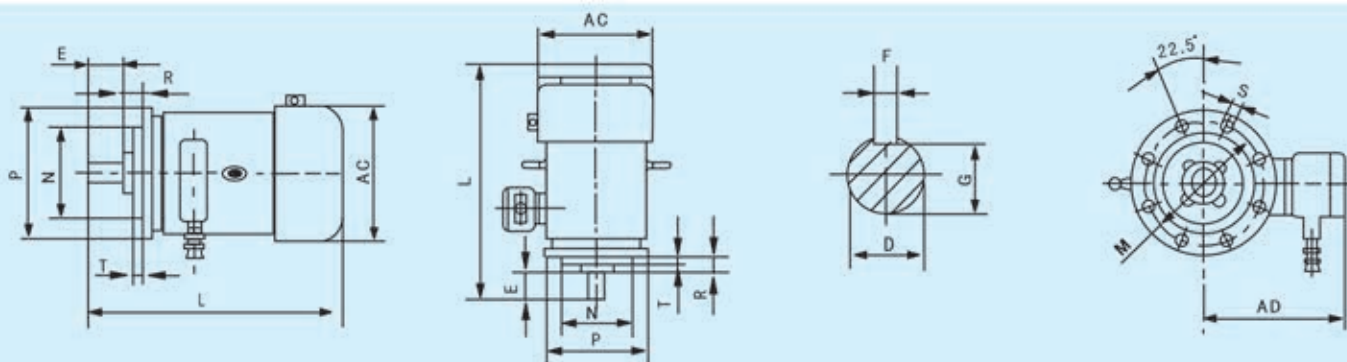
机座号 Frame size	极数 No. of poles	安装尺寸 Mounting dimensions										外形尺寸 Overall dimensions										
		A	B	C	D	E	F	G	H	K	进线口管螺纹 Pipe thread at cable entry	AB	AC	AD	HD	HA	BB	BC	L			
280S	2	457	368	190	65	140	18	58	280	24	M64 × 2	545	560	312	790	35	520	76	1195			
	4, 6, 8				75		20	67.5									571					
280M	2		419		65		18	58									520					
	4, 6, 8				75		20	67.5									571					
315S	2	508	406	216	65	170	18	58	315	28		M64 × 2	640	630	480	1020	38	520	55	1400		
	4, 6, 8, 10				80		22	71										1430				
315M	2		457		65		140	18										58			520	
	4, 6, 8, 10				80		170	22										71			1470	
315L	2	508	508	65	140	18	58	520														
	4, 6, 8, 10			80	170	22	71	1500														
355S	2	610		500	254	75	170	20	67.5	355			28	M64 × 2	740	750	500	1080	52	620	79	1560
	4, 6, 8, 10					95		25	86											1590		
355M	2		560	75		140		20	67.5		710											
	4, 6, 8, 10			95		170		25	86		1730											
355L	2	630	630	75	140	20	67.5	710														
	4, 6, 8, 10			95	170	25	86	840	1770													
S 400M L	2	686		560	280	75	210	20	67.5	400	35	M72 × 2	800		790	480	1130	50	900	105	1880	
	4~16					630		100	28										90			900
			710	100		28		90	900										1900			



卧式安装或立式安装，机座不带底脚、端盖上有凸缘（带通孔）的电动机

Horizontally or vertically mounted motor of being, frame without feet, end shield with flange (with through holes)

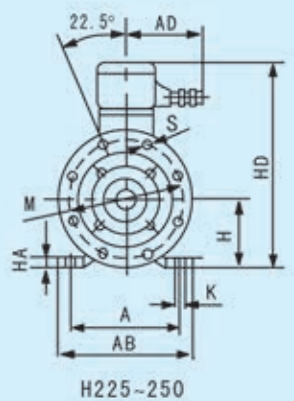
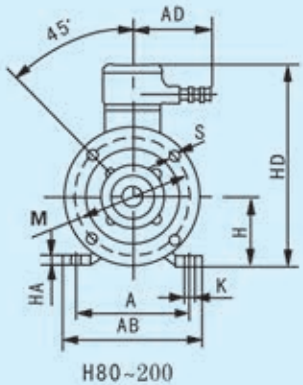
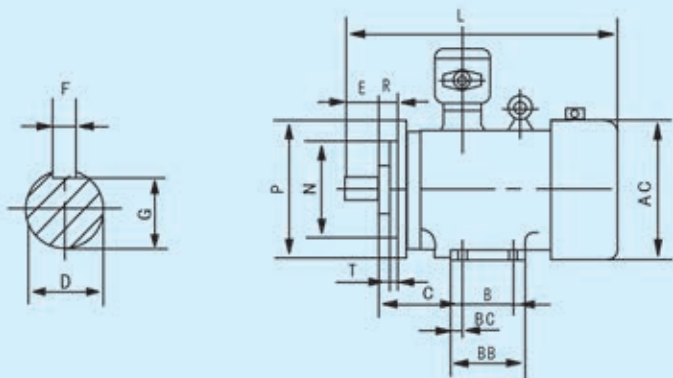
机座号 Frame size	凸缘号 Flange symbol	极数 No. of poles	安装尺寸 Mounting dimensions										外形尺寸 Overall dimensions											
			D	E	F	G	M	N	Pmax	R	S	T	凸缘孔数 No. of holes in flange	进线口管螺纹 Pipe thread at cable entry	AC	AD	L							
																卧式 Horizontal	立式 Vertical							
80M	FF165	2,4	19	40	6	15.5	165	130	200	0	12	3.5	4	M30 × 2	165	240	460	—						
90S		2,4,6	24	50	8	20.0									205	300	500							
90L			28	60		24.0											215		180	250	530			
100L	FF215	2,4,6	28	60	24.0	215	180	250	15		4	230			310	580	270		320	630				
112M																				680				
112M	FF265	2,4,6,8	38	80	10	33.0	265	230	300		19	5			8	M36 × 2	325		360	780				
132S														42			110		12	37.0	300	250	350	820
132M														48					14	42.5				360
160M	FF300	2,4,6,8	48	110	14	42.5	300	250	350		19	5		8	M36 × 2	360	370		870	940				
160L																55	16		49.0	350	300	400	400	445
180M	FF350	2,4,6,8	55	110	16	49.0	350	300	400	19	5	8	M48 × 2	400	445	935	1000							
180L	FF400	4,8	60	140	18	53.0	400	350	450	19	5	8	M48 × 2	450	465	1000	1070							
200L		2	55	110	16	49.0										400	350	450	450	465	995	1065		
225S	FF400	4,6,8	60	140	18	53.0	400	350	450	19	5	8	M48 × 2	450	465	1030	1100							
225M		2														55	110	16	49.0	400	350	450	450	465
250M	FF500	2	60	140	18	53.0	500	450	550	19	5	8	M64 × 2	500	500	1090	1180							
		4,6,8														65	58.0	500	450	550	500	500	1090	1180



卧式安装或立式安装、机座不带底脚、端盖上有凸缘（带通孔）的电动机

Horizontally or vertically mounted motor of being, frame without feet, endshield with flange (with through holes)

机座号 Frame size	凸缘号 Flange symbol	极数 No. of poles	安装尺寸 Mounting dimensions											外形尺寸 Overall dimensions									
			D	E	F	G	M	N	Pmax	R	S	T	凸缘孔数 No. of holes in flange	进线口管螺纹 Pipe thread at cable entry	AC	AD	L						
																	卧式 Horizontal	立式 Vertical					
280S	FF500	2	65	140	18	58	500	450	550	0	19	5	8	M64 × 2	560	550	1195	1250					
		4, 6, 8	75		20	67.5																	
280M		2	65		18	58											600	550	660	24	6	1235	1310
		4, 6, 8	75		20	67.5																	
315S	FF600	2	65	18	58	740	680	800	28	705	1490	1520											
315M		4, 6, 8, 10	80	170	22								71	1560	1590								
		2	65	140	18								58			1650	1680						
315L		4, 6, 8, 10	80	170	22								71	1720	1820								
		2	65	140	18								58			1860							
355S		4, 6, 8, 10	95	170	25								86	1970	1990								
355M	2	75	140	20	67.5	790	710																
	4, 6, 8, 10	95	170	25	86																		
355L	2	75	140	20	67.5	M72 × 2	790	710															
	4, 6, 8, 10	95	170	25	86																		
400	FF940	2	75	140	20	67.5	940	880	1000	28	M72 × 2	790	710	1970	1990								
		4~16	100	210	28	90																	

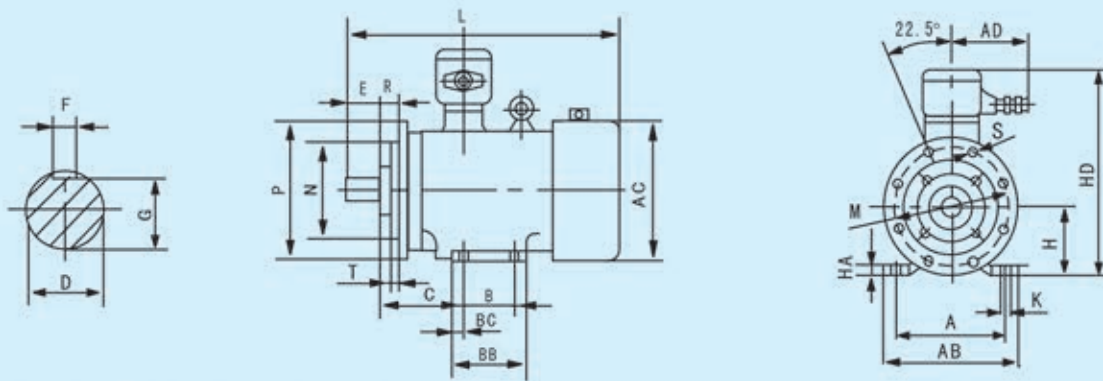


机座带底脚、端盖上有凸缘（带通孔）的电动机

The motor of being frame with feet, end shield with

flanges (with through holes)

机座号 Frame size	凸缘号 Flange symbol	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	M	N	P _{max}	R	S	T	凸缘孔数 No. of holes in flange	进线口管螺纹 Pipe thread at cable entry	AB	AC	AD	HD	HA	BB	BC	L
80	FF165	2, 4	125	100	50	19	40	6	15.5	80	10	165	130	200	12	3.5	4	M30 × 2	165	165	180	320	10	130	15	460	
90S		140	56		24	50	8	20.0	90	15									180	15		130	500				
90L		125	28	60	24.0	112		215	180	250	15	155	530														
100L	FF215	2, 4, 6	160	140	63	28	60	8	24.0	112	12	215	180	250	15	4	4	M30 × 2	200	205	230	400	14	176	18	560	
112M			190		70	60	112		245	230									420	16		180	20	580			
132S	FF265	2, 4, 6, 8	216	178	89	38	80	10	33.0	132	12	265	230	300	15	4	4	M30 × 2	280	270	200	450	18	205	32	630	
132M			178		38	80	10	33.0	132	265									230	300		450	18	243	680		
160M	FF300	2, 4, 6, 8	254	210	108	42	110	12	37.0	160	15	300	250	350	0	19	5	4	M36 × 2	330	325	220	520	20	270	32	780
160L			254		42	12		37.0	160	300										250	350		520	20	314	820	
180M			241	121	48	14	42.5	180	300	250	350	550	22	311	35	850											
180L			279	279	48	14	42.5	180	300	250	350	550	22	349	870												
200L	FF350	4, 8	318	305	133	55	16	49.0	200	19	350	300	400	19	5	4	4	M36 × 2	390	400	250	645	25	366	30	935	
225S	286	60	140	18	53.0	225	400	350	450										690	28		366	40	1000			
225M	FF400	2	356	311	149	55	110	16	49.0	225	19	400	350	450	19	5	4	4	M48 × 2	435	450	250	690	28	391	40	995
		4, 6, 8	311		55	110	16	49.0	225	400										350	450		690	28	391	40	1030
250M	FF500	2	406	349	168	60	140	18	53.0	250	24	500	450	550	24	5	4	4	M64 × 2	490	500	300	720	30	455	55	1090
		4, 6, 8			168	60	140	18	58.0	250										450	550		720	30	455	55	1090



机座带底脚、端盖上有凸缘（带通孔）的电动机 The motor of being frame with feet, endshield with flanges (with through holes)

机座号 Frame size	凸缘号 Flange symbol	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	M	N	P _{max}	R	S	T	凸缘孔数 No. of holes in flange	进线口管螺纹 Pipe thread at cable entry	AB	AC	AD	HD	HA	BB	BC	L																		
280S	FF500	2	457	368	190	65	18	58	280	24	500	450	550	0	19	5	8	M64 × 2	545	565	300	790	35	520	76	1195																			
		75				20		67.5																																					
4, 6, 8		419		65		140	18	58																																					
75				20			67.5																																						
280M	2	457	368	190	65	18	58	280	24	500	450	550	0	19	5	8	M64 × 2	545	565	300	790	35	520	76	1195																				
315S	FF600	2	508	406	216	65	18	58	315	28	600	550	660	0	24	6	8	M64 × 2	640	530	400	1020	38	520	55	1400																			
		80				170		22																			71																		
4, 6, 8, 10		457		65		140	18	58																																					
80				170			22	71																																					
315M	2	508	406	216	65	18	58	315	28	600	550	660	0	24	6	8	M64 × 2	640	530	400	1020	38	520	55	1470																				
315L	FF600	2	508	406	216	65	18	58	315	28	600	550	660	0	24	6	8	M64 × 2	640	530	400	1020	38	620	55	1560																			
		80				170		22																			71																		
4, 6, 8, 10		457		65		140	18	58																																					
80				170			22	71																																					
355S	FF740	2	610	500	254	75	140	20	67.5	355	740	680	800	0	24	6	8	M64 × 2	740	750	500	1080	52	710	79	1630																			
		95				170		25	86																																				
4, 6, 8, 10		560		75		140	20	67.5																																					
95				170			25	86																																					
355M	FF740	2	610	500	254	75	140	20	67.5	355	740	680	800	0	24	6	8	M64 × 2	740	750	500	1080	52	710	79	1730																			
		95				170		25	86																																				
4, 6, 8, 10		560		75		140	20	67.5																																					
95				170			25	86																																					
355L	FF740	2	610	500	254	75	140	20	67.5	355	740	680	800	0	24	6	8	M64 × 2	740	750	500	1080	52	840	79	1770																			
		95				170		25	86																																				
4, 6, 8, 10		560		75		140	20	67.5																																					
95				170			25	86																																					
S 400M L	FF940	2	686	560	280	75	140	20	67.5	400	35	940	880	1000	28	6	8	M72 × 2	800	790	480	1130	50	900	105	1880																			
		4~16				630		100	210																		28	90																	
L		4~16		686		560	280	75	140																		20	67.5	400	35	940	880	1000	28	6	8	M72 × 2	800	790	480	1130	50	900	105	1900



五、安装结构型式

基本结构形式

B3 机座带底脚，端盖无凸缘。

B5机座不带底脚，端盖有凸缘。

B35机座带底脚，端盖有凸缘。













Mounting arrangements

Basic mounting arrangements

B3,frame with feet, endshield without flange,

B5,frame without feet, endshield with flange,

B35,frame with feet, endshield with flange.

基本结构形式 Basic mounting arrangements	B3						B5			B35			
安装结构型式 Mounting arrangement	B3	B6	B7	B8	IV5	V6	B5	V1	V3	B35	V15	V36	
示意图 Diagram													
适用范围 Application range	80 ~ 400	80 ~ 160						80 ~ 280	80 ~ 400	80 ~ 160	80 ~ 400	80 ~ 160	

六、订货须知

本样本仅供用户选型用,具体数据容有变化。订货时请注明电动机型号、功率、同步转速、额定电压、额定频率、调频范围、安装结构型式、防爆标志、防护等级、轴承注排油结构等。如有特殊要求时,须在订货合同上注明,无注明者均按上述有关条款的规定供货。

Ordering information

This catalogue is for selection of motor by subject to change without notice.

Please specify the motor type, output, synchronous speed, rated voltage, rated frequency, frequency-adjusting range, mounting arrangement, explosion-proof mark, degree of protection, etc.

If you have special requirements for oil-filling and draining construction of bearing, please specify them in the contract. If nothing is stated, the motor should be supplied according to the above relative items.

为全球提供节能、环保、可靠的驱动力



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中国·佳木斯防爆电机有限公司

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