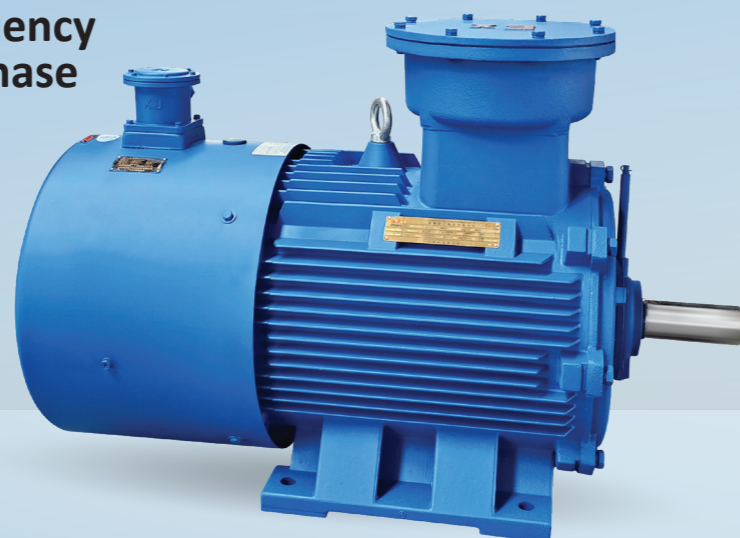


YBBP

隔爆型变频调速三相异步电动机

YBBP Series Flameproof Variable Frequency Adjustable Speed Three-phase Asynchronous Motor



YBBP系列隔爆型变频调速三相异步电动机是YBT系列隔爆型三相异步电动机的派生产品,适用于连续工作制(S1)工作运行。具有高效、节能、寿命长等优点。电机性能好,振动小。可用于风机、泵、纺织机械等多工业应用领域。

本系列电动机的隔爆性能符合GB3836.1-2021《爆炸性气体环境通用电气设备第1部分:通用要求》,GB3836.2-2021《爆炸性气体环境通用电气设备第1部分:隔爆型“d”》标准的规定,类别有ExdbIAT4Gb、ExdbIIBT4Gb。

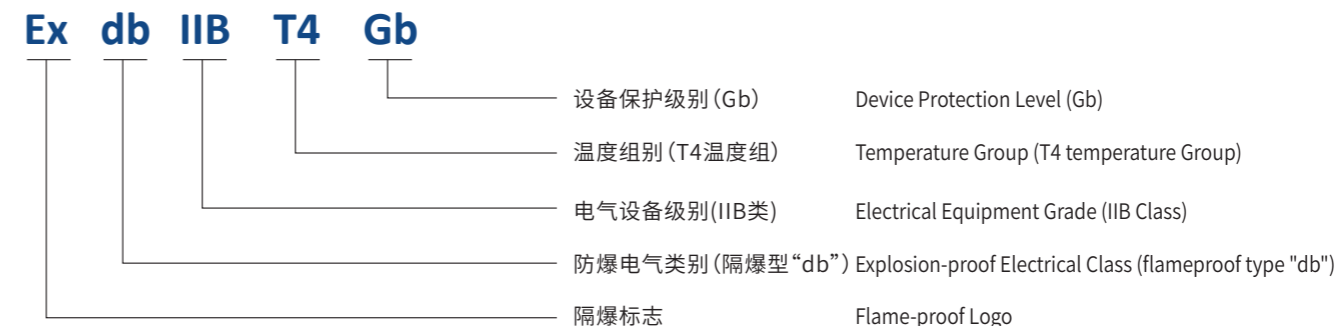
YBBP series flameproof variable frequency adjustable speed three-phase asynchronous motor is a derivative of YBT series flameproof three-phase asynchronous motor. Suitable for continuous working system (S1) operation. The utility model has the advantages of high efficiency, energy saving, long service life, etc.. Motor performance is good, small vibration. The utility model can be used for fans, pumps, textile machinery and other multi-industrial application fields.

The flameproof performance of this series motor conforms to the provisions of GB3836.1-2021 in General Electric Equipment for Environments with Explosive Gases--part 1: General Requirements, GB3836.2-2021 in General Electric Equipment for Environments with Explosive Gases--part 1: Flameproof type “d”, and the categories include ExdbIAT4Gb and ExdbIIBT4Gb.

隔爆型ExdbIAT4Gb 适用于工厂用IIA类,温度级别T1,T2,T3,T4组别爆炸性气体混合物存在的环境,代表气体:乙醛、三甲胺
It is suitable for the environment in which explosive gas mixtures of IIA, T1,T2,T3 and T4 are used in factories. The representative gases are acetaldehyde and trimethylamine.

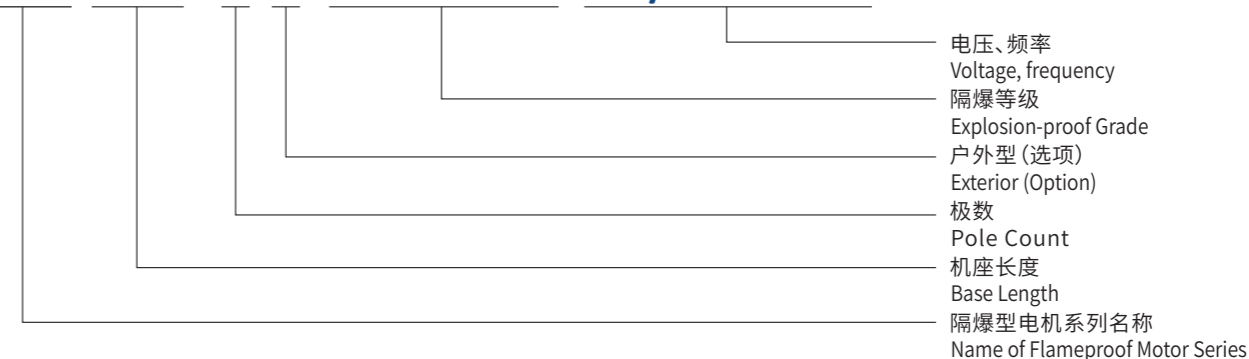
隔爆型ExdbIIBT4Gb 适用于工厂用IIB类,温度级别T1,T2,T3,T4组别爆炸性气体混合物存在的环境,代表气体:乙基甲基醚、二乙醚
It is suitable for the environment where explosive gas mixture exists in IIB class, temperature grades T1,T2,T3 and T4, and the representative gases are ethyl methyl ether and diethyl ether.

隔爆等级说明 Description of Flameproof Level



产品型号示例 Sample Product Model

YBBP 132S - 4 W ExdbIIBT4Gb 380/660V 50Hz

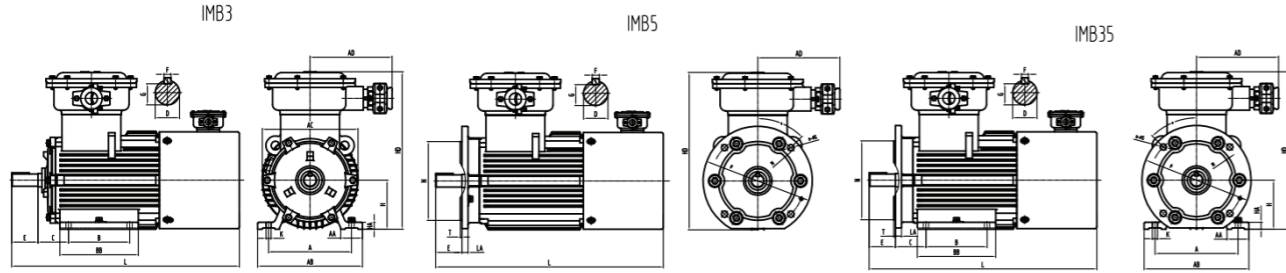


主要技术条件和使用条件 Main Technical Conditions and Service Conditions

额定电压 Rated Voltage	380V, 380/660V, 660V	额定频率 Rated Frequency	50Hz
防护等级 Protection Grade	IP55	绝缘等级 Insulation Class	F
冷却方式 Cooling Way	IC416	工作制 Work System	S1
安装型式 Installation Type	主要安装方式IMB3、IMB5、IMB35	海拔 Elevation	≤1000m
环境温度 Environment Temperature	-20~+40°C		

基本结构型式 Type of construction	机座带底脚、端盖上无凸缘 Frame with feet, Endshield without flange					
安装结构型式 Mounting arrangement	B3	B6	B7	B8	V5	V6
示意图 Diagram						
基本结构型式 Type of construction	机座无底脚、端盖上有凸缘 Frame without feet, Endshield with flange and hole			机座带底脚、端盖上有凸缘 Frame with feet, Endshield without flange		
安装结构型式 Mounting arrangement	B5	V1	V3	B35	V15	V36
示意图 Diagram						

YBBP系列隔爆型三相异步电动机安装及外形尺寸图 YBBP Series Motor Mounting and Overall Dimensions



机座号 Frame Size	安装尺寸 Mounting Dimensions (mm)																外形尺寸 Overall Dimensions (mm)												
	A	B	C	D 2P 4-10P	E 2P 4-10P	F 2P 4-10P	G 2P 4-10P	H	K	M	N	P	T	n-φS	α	AA	AB	AC	AD	BB	HA	HD	LA	L 2P 4-10P					
80	125	100	50	19	40	6	15.5	80	10	165	130	200	3.5	4-φ12	45	34	160	167	190	130	10	295	12	420					
90S	140	100	56	24	50	8	20	90	10	165	130	200	3.5	4-φ12	45	36	180	180	190	135	14	315	12	440					
90L	140	125	56	24	50	8	20	90	10	165	130	200	3.5	4-φ12	45	36	180	180	190	155	14	315	12	470					
100L	160	140	63	28	60	8	24	100	12	215	180	250	4	4-φ14.5	45	43	200	207	190	176	14	340	13	520					
112M	190	140	70	28	60	8	24	112	12	215	180	250	4	4-φ14.5	45	50	240	221	205	180	16	370	13	530					
132S	216	140	89	38	80	10	33	132	12	265	230	300	4	4-φ14.5	45	60	276	260	205	190	18	415	13	610					
132M	216	178	89	38	80	10	33	132	12	265	230	300	4	4-φ14.5	45	60	276	260	205	230	18	415	15	640					
160M	254	210	108	42	110	12	37	160	14.5	300	250	350	5	4-φ18.5	45	70	324	315	210	258	20	490	16	780					
160L	254	254	108	42	110	12	37	160	14.5	300	250	350	5	4-φ18.5	45	70	324	315	210	302	20	490	16	820					
180M	279	241	121	48	110	14	42.5	180	14.5	300	250	350	5	4-φ18.5	45	70	349	356	210	311	20	530	18	830					
180L	279	279	121	48	110	14	42.5	180	14.5	300	250	350	5	4-φ18.5	45	70	349	356	210	349	20	530	18	850					
200L	318	305	133	55	110	16	49	200	18.5	350	300	400	5	4-φ18.5	45	70	388	400	235	366	25	585	20	920					
225S	356	286	149	-	60	-	140	-	18	-	53	225	18.5	400	350	450	5	8-φ18.5	22.5	75	431	446	235	355	28	630	20	-	960
225M	356	311	149	55	60	110	140	16	18	49	53	225	18.5	400	350	450	5	8-φ18.5	22.5	75	431	446	235	380	28	630	20	950	980
250M	406	349	168	60	65	140	18	18	53	58	250	24	500	450	550	5	8-φ18.5	22.5	80	486	495	280	420	30	715	22	1070		
280S	457	368	190	65	75	140	18	20	58	67.5	280	24	500	450	550	5	8-φ18.5	22.5	85	542	548	280	438	35	780	25	1120	1130	
280M	457	419	190	65	75	140	18	20	58	67.5	280	24	500	450	550	5	8-φ18.5	22.5	85	542	548	280	489	35	780	25	1160	1170	
315S	508	406	216	65	80	140	170	18	22	58	71	315	28	600	550	660	6	8-φ24	22.5	120	628	620	325	550	45	915	22	1320	1350
315M	508	457	216	65	80	140	170	18	22	58	71	315	28	600	550	660	6	8-φ24	22.5	120	628	620	325	680	45	915	22	1400	1430
315L	508	508	216	65	80	140	170	18	22	58	71	315	28	600	550	660	6	8-φ24	22.5	120	628	620	325	680	45	915	22	1400	1430
355S	610	500	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	6	8-φ24	22.5	116	726	700	325	636	52	1045	25	1570	1600
355M	610	560	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	6	8-φ24	22.5	116	726	700	325	696	52	1045	25	1650	1680
355L	610	630	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	6	8-φ24	22.5	116	726	700	325	766	52	1045	25	1750	1780

注: 若有特殊要求, 可按用户需求提供。 Please contact us with your requirement.

技术数据 Technical Data

型号 Type	功率 Output (kW)	额定电流 Current (A)	电压 Voltage (V)	额定转矩 Rated Torque (N.m)	恒转矩变频范围 Constant Torque Hz	恒功率变频范围 Constant Power Hz	重量 Weight (kg)
YBBP80M1-2	0.75	1.83	380	2.5	3~50	50~100	31
YBBP80M2-2	1.1	2.55	380	3.6	3~50	50~100	33
YBBP80M1-4	0.55	1.57	380	3.7	3~50	50~100	32
YBBP80M2-4	0.75	2.03	380	5.0	3~50	50~100	34
YBBP90S-2	1.5	3.43	380	4.9	3~50	50~100	39.5
YBBP90L-2	2.2	4.85	380	7.2	3~50	50~100	44
YBBP90S-4	1.1	2.85	380	7.3	3~50	50~100	40.5
YBBP90L-4	1.5	3.68	380	10.0	3~50	50~100	46
YBBP90S-6	0.75	2.29	380	7.7	3~50	50~100	38
YBBP90L-6	1.1	3.14	380	11.4	3~50	50~100	43
YBBP100L-2	3	6.24	380	9.9	3~50	50~100	50
YBBP100L1-4	2.2	5.09	380	14.5	3~50	50~100	52
YBBP100L2-4	3	6.73	380	19.8	3~50	50~100	55
YBBP100L-6	1.5	3.95	380	15.2	3~50	50~100	51
YBBP112M-2	4	8.13	380	13.1	3~50	50~100	67.5
YBBP112M-4	4	8.80	380	26.3	3~50	50~100	75.5
YBBP112M-6	2.2	5.57	380	21.9	3~50	50~100	69
YBBP132S1-2	5.5	11.04	380	18.0	3~50	50~100	89
YBBP132S2-2	7.5	14.88	380	24.6	3~50	50~100	94.5
YBBP132S-4	5.5	11.57	380	36.0	3~50	50~100	94.5
YBBP132M-4	7.5	15.41	380	49.1	3~50	50~100	107
YBBP132S-6	3	7.31	380	29.7	3~50	50~100	87
YBBP132M1-6	4	9.39	380	39.4	3~50	50~100	98
YBBP132M2-6	5.5	12.60	380	54.1	3~50	50~100	107
YBBP132S-8	2.2	5.80	380	29.6	3~50	50~100	83.5
YBBP132M-8	3	7.71	380	40.4	3~50	50~100	94
YBBP160M1-2	11	21.48	380	35.7	3~50	50~100	150
YBBP160M2-2	15	28.64	380	48.6	3~50	50~100	160
YBBP160L-2	18.5	35.09	380	60.0	3~50	50~100	177
YBBP160M-4	11	22.24	380	71.5	3~50	50~100	153
YBBP160L-4	15	29.99	380	97.4	3~50	50~100	174
YBBP160M-6	7.5	16.77	380	73.5	3~50	50~100	149
YBBP160L-6	11	24.18	380	108	3~50	50~100	172
YBBP160M1-8	4	10.28	380	53.1	3~50	50~100	129
YBBP160M2-8	5.5	13.42	380	73.0	3~50	50~100	141
YBBP160L-8	7.5	17.64	380	99.5	3~50	50~100	164
YBBP180M-2	22	41.04	380	71.2	3~50	50~100	227
YBBP180M-4	18.5	36.54	380	120	3~50	50~100	218
YBBP180L-4	22	43.12	380	142	3~50	50~100	237
YBBP180L-6	15	31.61	380	146	3~50	50~100	220
YBBP180L-8	11	25.28	380	146	3~50	50~100	207
YBBP200L1-2	30	55.41	380	97.0	3~50	50~100	285
YBBP200L2-2	37	67.90	380	120	3~50	50~100	304

技术数据 Technical Data

型号 Type	功率 Output (kW)	额定电流 Current (A)	电压 Voltage (V)	额定转矩 Rated Torque (N.m)	恒转矩变频范围 Constant Torque Hz	恒功率变频范围 Constant power Hz	重量 Weight (kg)
YBBP200L-4	30	57.61	380	194	3~50	50~100	304
YBBP200L1-6	18.5	37.63	380	180	3~50	50~100	276
YBBP200L2-6	22	44.75	380	214	3~50	50~100	294
YBBP200L-8	15	33.69	380	196	3~50	50~100	269
YBBP225M-2	45	82.13	380	145	3~50	50~100	366
YBBP225S-4	37	69.86	380	239	3~50	50~100	366
YBBP225M-4	45	84.69	380	290	3~50	50~100	394
YBBP225M-6	30	57.61	380	291	3~50	50~100	352
YBBP225S-8	18.5	40.04	380	242	3~50	50~100	330
YBBP225M-8	22	47.35	380	288	3~50	50~100	359
YBBP250M-2	55	99.84	380	176	3~50	50~100	484
YBBP250M-4	55	103.3	380	355	3~50	50~100	498
YBBP250M-6	37	71.05	380	359	3~50	50~100	466
YBBP250M-8	30	63.40	380	390	3~50	50~100	441
YBBP280S-2	75	133.8	380	240	3~50	50~100	641
YBBP280M-2	90	160.0	380	288	3~50	50~100	690
YBBP280S-4	75	139.6	380	484	3~50	50~100	681
YBBP280M-4	90	166.9	380	581	3~50	50~100	749
YBBP280S-6	45	85.95	380	436	3~50	50~100	609
YBBP280M-6	55	104.7	380	533	3~50	50~100	666
YBBP280S-8	37	77.77	380	478	3~50	50~100	604
YBBP280M-8	45	94.07	380	581	3~50	50~100	650
YBBP315S-2	110	195.4	380	353	3~50	50~100	1060
YBBP315M-2	132	233.2	380	423	3~50	50~100	1080
YBBP315L1-2	160	282.4	380	513	3~50	50~100	1180
YBBP315L2-2	200	352.2	380	641	3~50	50~100	1230
YBBP315S-4	110	201.0	380	710	3~50	50~100	1000
YBBP315M-4	132	240.4	380	852	3~50	50~100	1080
YBBP315L1-4	160	287.8	380	1032	3~50	50~100	1220
YBBP315L2-4	200	359.8	380	1291	3~50	50~100	1290
YBBP315S-6	75	141.7	380	723	3~50	50~100	980
YBBP315M-6	90	169.5	380	868	3~50	50~100	1040
YBBP315L1-6	110	206.7	380	1061	3~50	50~100	1160
YBBP315L2-6	132	244.7	380	1273	3~50	50~100	1210
YBBP315S-8	55	111.2	380	710	3~50	50~100	990
YBBP315M-8	75	150.5	380	968	3~50	50~100	1040
YBBP315L1-8	90	180.0	380	1161	3~50	50~100	1130
YBBP315L2-8	110	216.8	380	1420	3~50	50~100	1200
YBBP315S-10	45	99.63	380	728	3~50	50~100	1050
YBBP315M-10	55	121.1	380	890	3~50	50~100	1150
YBBP315L1-10	75	162.1	380	1214	3~50	50~100	1180
YBBP315L2-10	90	191.0	380	1457	3~50	50~100	1220
YBBP355S1-2	185	326.5	380	593	3~50	50~100	1730

型号 Type	功率 Output (kW)	额定电流 Current (A)	电压 Voltage (V)	额定转矩 Rated Torque (N.m)	恒转矩变频范围 Constant Torque Hz	恒功率变频范围 Constant Power Hz	重量 Weight (kg)
YBBP355S2-2	200	352.2	380	641	3~50	50~100	1810
YBBP355M1-2	220	387.5	380	705	3~50	50~100	1880
YBBP355M2-2	250	438.5	380	801	3~50	50~100	1950
YBBP355L1-2	280	491.1	380	897	3~50	50~100	2030
YBBP355L2-2	315	551.3	380	1009	3~50	50~100	2090
YBBP355S1-4	185	332.8	380	1194	3~50	50~100	1760
YBBP355S2-4	200	359.8	380	1291	3~50	50~100	1860
YBBP355M1-4	220	395.8	380	1420	3~50	50~100	1970
YBBP355M2-4	250	443.3	380	1613	3~50	50~100	1990
YBBP355L1-4	280	496.5	380	1807	3~50	50~100	2070
YBBP355L2-4	315	558.6	380	2033	3~50	50~100	2130
YBBP355S-6	160	293.3	380	1543	3~50	50~100	1630
YBBP355M1-6	185	339.1	380	1785	3~50	50~100	1920
YBBP355M2-6	200	365.4	380	1929	3~50	50~100	1940
YBBP355L1-6	220	402.0	380	2122	3~50	50~100	2160
YBBP355L2-6	250	456.8	380	2412	3~50	50~100	2180
YBBP355S-8	132	259.6	380	1704	3~50	50~100	1700
YBBP355M-8	160	314.7	380	2065	3~50	50~100	1940
YBBP355L1-8	185	363.9	380	2388	3~50	50~100	2160
YBBP355L2-8	200	392.2	380	2581	3~50	50~100	2180
YBBP355S-10	90	191.0	380	1449	3~50	50~100	1650
YBBP355M1-10	110	229.9	380	1772	3~50	50~100	1920
YBBP355M2-10	132	275.0	380	2126	3~50	50~100	2090
YBBP355L1-10	160	333.3	380	2577	3~50	50~100	2110
YBBP355L2-10	185	381.3	380	2979	3~50	50~100	2210

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