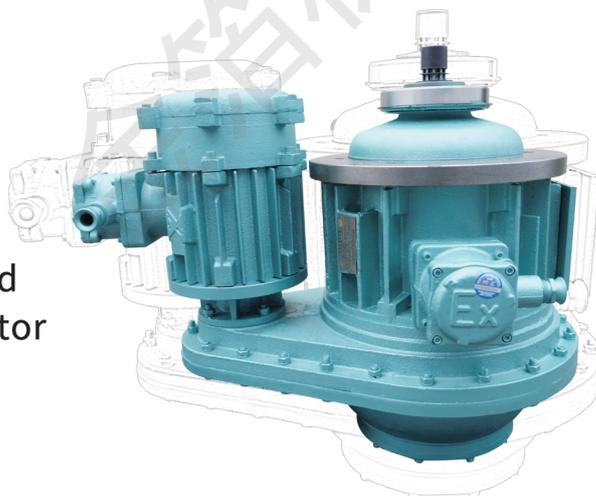


BZDS 系列

隔爆型双速锥形转子三相异步电动机

BZD/BZDY series of flameproof double-speed conical rotor three-phase asynchronous motor



产品特性

本电动机为隔爆型双速锥形转子三相异步电动机(以下简称电动机),外壳防护等级 IP55, 绝缘等级 F 级, 冷却方式为 IC410。

一、适用范围

本系列隔爆型双速电动机性能符合 GB/T 3836.1-2021《爆炸性环境第 1 部分:设备通用要求》、GB/T 3836.2-2021《爆炸性环境第 2 部分由隔爆外壳“d”保护的的设备》的规定。防爆标志为 Ex db IIBT4 Gb, 电机适用于工厂有 IIA、IIB 组的爆炸性气体环境中使用的起重机械电力传动设备。

二、安装方式

IM3001、IM3601

三、工作条件

环境气压:86kPa-110kPa;

环境空气温度: -20~+40°C;

相对湿度不大于 85%(+25°C时);

除煤矿外, 工厂用 IIA、IIB、IIC 组的爆炸性气体环境、可燃性粉尘环境;

额定电压为 380V、660V, 额定工作频率为 50Hz;

接法: Y;

基准工作制: S4-25% (即工作制 S4, 负载持续率 25%);

每小时等效起动次数为 120 次。

Product Characteristics

The motor is flameproof double-speed conical rotor three-phase asynchronous motor (below motor for short), enclosure protection grade IP55, insulation grade F, and cooling mode IC410.

1、Scope of application

The performance of flameproof double-speed motors conforms to requirements of GB/T 3836.1-2021《Explosive atmospheres parts 1: Equipment general requirements》、GB/T 3836.2-2021《Explosive atmospheres parts 2: Equipment protection by flameproof enclosure “d”》. Explosion-proof mark is Ex db IIBT4 Gb. The motors are suitable for electric drive equipment of hoisting machinery used in the explosive gas environment of the IIA、IIB groups in the factory.

2、Installation method

IM3001, IM3601.

3、Working conditions

Ambient air pressure: 86kPa-110kPa;

Ambient temperature: -20~+40°C;

Relative humidity not greater than 85% (+25°C);

In addition to coal mines, factories use in IIA, IIB explosive atmospheres environments;

Rated voltage 380V、660V, rated working frequency 50Hz;

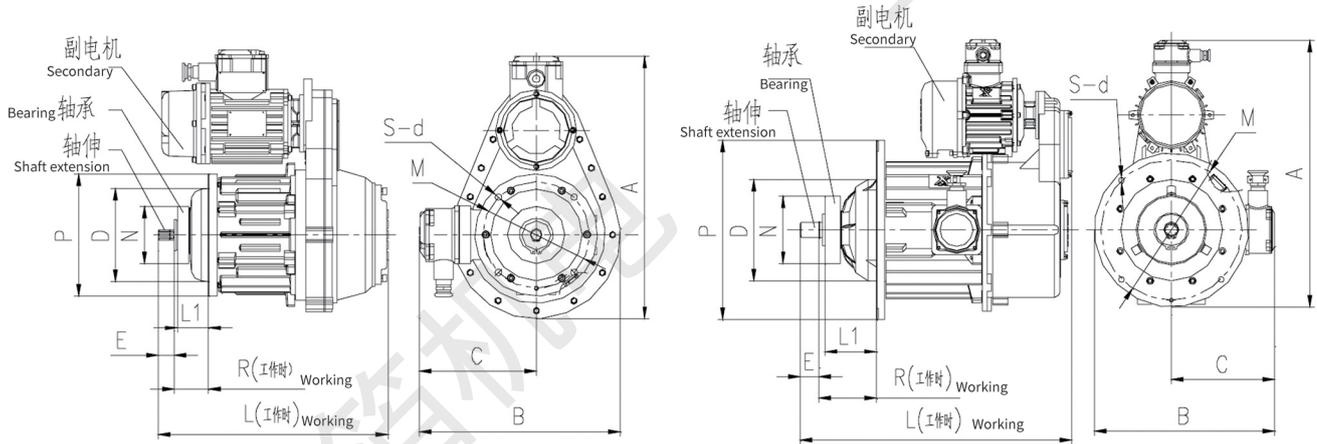
Connection: Y;

Benchmark work: S4-25% (working S4, load persistence rate 25%);

Equivalent number of starts per hour is 120.

外形及安装尺寸：

Outline and installation dimension:



注：左图为BZDS0.8/0.4-BZDS7.5/0.8电机示意图，右图为BZDS13/2.2-BZDS18.5/2.2电机示意图

Note: The schematic diagram of motor shows BZDS0.4/0.8- BZDS0.8/7.5 on the left, The schematic diagram of motor shows BZDS13/2.2- BZDS18.5/2.2 on the right

型号 Type	安装尺寸 (mm) Installation dimensions											外形尺寸 (mm) Outline dimension			
	轴伸花键 Shaft extension spline	E	R(工作时) R (Working)	L1	P	D	N	M	d	S	C	A	B	L(工作时) L (Working)	
BZDS 0.8/0.4	6D-20x16x4	22	73	60	220	177	110	196	9	4	225	425	386	504	
BZDS 1.5/0.4			73		235	179		205	13					513	
BZDS 3.0/0.4	6D-28x23x6	30	100	81	290	223	120	260	13	4	261	591	448	504	
BZDS 4.5/0.4			91		320			286						607	
BZDS 7.5/0.8	10D-35x28x4	35	118	97	380	260	160	340	17	4	275	770	495	791	
BZDS 13/2.2	10D-40x32x5	38	172	137	455	300	200	415	17	4	320	805	548	791	
BZDS 18.5/2.2	10D-45x36x5	55	187	168	455	300	200	415	17	4				824	