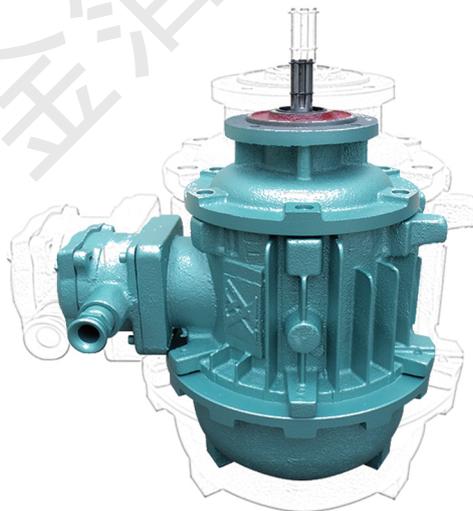


YBEZ/YBEZY 系列

矿用隔爆型锥形转子三相异步电动机 YBEZ/YBEZY series of mine flameproof conical rotor three-phase asynchronous motor



产品适用

本电动机为隔爆型锥形转子三相异步电动机，外壳防护等级 IP55，绝缘等级 F 级，冷却方式为 IC410。

一、适用范围

本系列防爆电动机性能符合 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，制成矿用隔爆型。防爆标志为 Ex db I Mb，适用 I 类（矿用），非采掘工作面用电动机，装配在隔爆型钢丝绳电动葫芦上，作为起重机械电力传动用。

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 98%(+25°C时)；

适用于甲烷成煤尘的爆炸性混合物存在的煤矿井下环境。

无显著摇动和剧烈冲击振动的环境；

污染等级：3 级；

安装类别：III；

额定电压：380V、660V；额定频率为 50Hz；接法 Y；

工作制：S4-25%，每小时等效起动次数为 120 次。

Product Characteristics

The motor is explosion-proof conical rotor three-phase asynchronous motor, enclosure protection grade IP55, insulation grade F, and cooling mode IC410.

1、Scope of application

The performance of explosion-proof motors accords with requirements of GB/T 3836-2021《Explosive atmospheres parts 2: Equipment protection by flameproof enclosure “d”》，and is made into mine flameproof. Explosion-proof mark is Ex db I Mb. Non-mining work surface motor is applicable to Class I (mine), which is assembled on the flameproof electric wire-rope hoist and used as power transmission for hoisting machinery.

2、Installation method

IM3001, IM3601.

3、Working conditions

Atmospheric pressure: 86kPa-110kPa;

Ambient temperature: -20~+40°C; Relative humidity not greater than 98% (+25°C);

Methane explosion gas environments underground coal mines

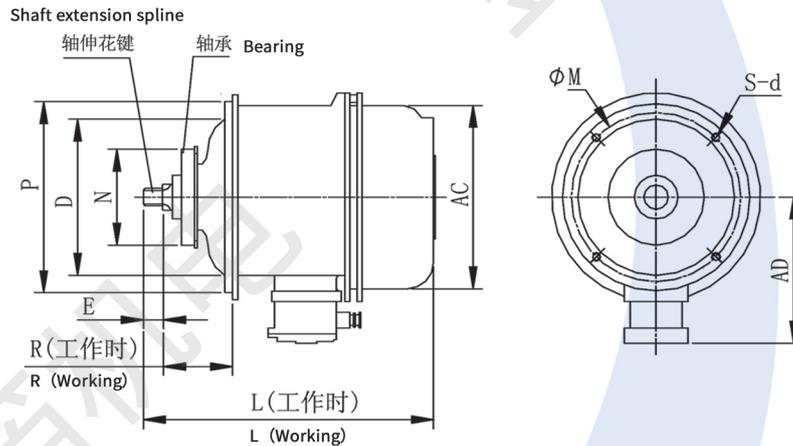
Environment without significant shaking and severe impact vibration

Pollution level: 3;

外形及安装尺寸：

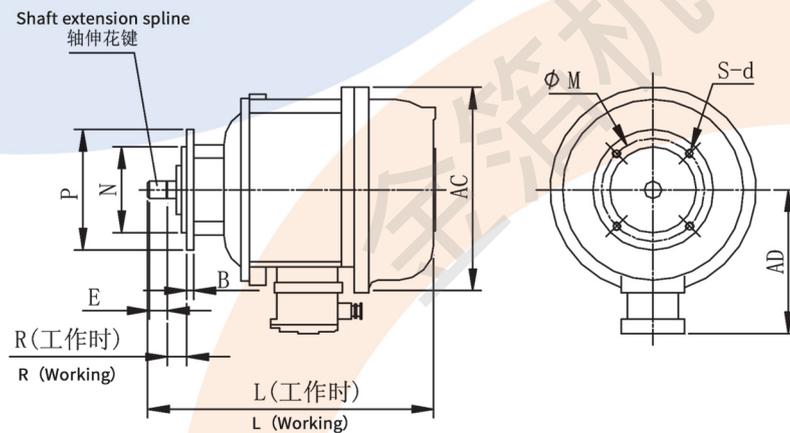
Outline and installation dimension：

YBEZ 型电动机外形及安装尺寸
YBEZ motor outline and installation dimension



型号及功率 kW Type and power (kW)	安装尺寸 Installation dimensions									外形尺寸 Outline dimension		
	轴伸花键 Shaft extension spline	E	R(工作时) R (Working)	P	D	N	M	d	S	AC	AD	L(工作时) L (Working)
YBEZ21-4 0.8	6D-20x16x4	22	73	220	177	110	196	9	4	276	323.5	386
YBEZ 22-4 1.5			73	235	179		205					
YBEZ 31-4 3.0	6D-28x23x6	30	100	290	223	120	260	13		334	260	458
YBEZ 32-4 4.5			91	320		286	474					
YBEZ 41-4 7.5	10D-35x28x4	35	118	380	260	160	340	17		404	282	564.6
YBEZ 51-4 13	10D-40x32x5	38	172	455	294	200	415			480	325	654
YBEZ 52-4 18.5	10D-45x36x5	55	187	455	300	200	415	732				

YBEZY 型电动机外形及安装尺寸
YBEZY motor outline and installation dimension



型号及功率 (kW) Type and power (kW)	安装尺寸 Installation dimensions									外型尺寸 Outline dimension		
	轴伸花键 Shaft extension spline	E	R(工作时) R (Working)	N	P	M	d	S	AC	AD	L(工作时) L (Working)	
YBEZY12-4 0.4	4D-15x12x4	22	16	75	110	90	7	4	155	155	317	
YBEZY21-4B 0.8	6D-20x16x4	24	20	100	140	120	9	4	276	238	398	
YBEZY22-4B 1.5	6D-20x16x4	24	20	100	140	120	9	4			398	