

概述 Overview

额定功率: 0.55 ~ 315 kW

机座号: 80 ~ 355

电压与频率: 380V 50Hz/380/660V 50Hz, 其他常用电压可选

标准颜色: RAL7011

冷却方式: IC411, IC416 可选

隔爆标志: Ex db IIB T4 Gb

防护等级: IP55

绝缘系统: F 级

注油装置: 机座号 280 ~ 355 的电机标配, 机座号 160 ~ 250 可选配

环境温度: -20°C ~ +40°C 标配设计

Rated output: 0.55 ~ 315 kW

Frame size: 80 ~ 355

Voltage and Frequency: 380V 50Hz, 380/660V 50Hz, Other common voltage can be provide as option design

Standard color: RAL7011

Cooling method: IC411, IC416 optional

Frame-proof marking: Ex db IIB T4 Gb

Protect degree: IP55

Insulation class: F

Re-greasing device: FS 280 ~ 355 motor as standard, FS 160 ~ 250 motor as option design

Ambient temperature: -20°C ~ 40°C as standard

1MT0003 系列高效隔爆型全封闭、自扇冷三相异步电动机是一款全新产品。该系列防爆电机完全符合 IEC 60079-0:2017 / IEC 60079-1:2017 以及 GB/T 3836.1-2021 / GB/T 3836.2-2021 等设计标准, 防爆等级为 Ex db IIB T4 Gb 且防爆性能通过 CQST 认证。其效率达到 IEC 60034-30 IE3 高效等级要求(50Hz), 符合 GB 18613-2020 能效等级三级。具有性能优良, 使用安全可靠, 安装灵活, 维护方便, 振动小, 噪音低等特点。

1MT0003 系列高效隔爆型电动机可广泛应用于石油、化工及油气等危险领域和场所。电机的设计使得电机内部的爆炸不会波及外界环境, 内部由爆炸产生的能量在被称作“隔爆腔”的空间内消散, 使得这些能量不足以点燃外部的爆炸性环境。

1MT0003 series flameproof motors is newly designed totally enclosed fan cooling (TEFC) high efficiency motor. This series flameproof motor completely meet the standard of IEC 60079- 0:2017/IEC 60079-1:2017 and GB/T 3836.1-2021/GB/T 3836.2-2021. The type of protection for this motor is Ex db IIB T4 Gb. And its efficiency fulfill efficiency grade IE3 (50Hz) of IEC 60034-30, and also Grade 3 efficiency of GB 18613-2020. This series products have excellent performance, safe and reliable to use, simple and flexible installation, easy to maintain, low vibration, low noise.

1MT0003 series high-efficiency flameproof motors can be widely used in petroleum, chemical industry, oil and gas and other hazardous areas and places. These motors are designed such that an explosion

Unrestricted

within the housing cannot result in an explosion in the environment. The energy that is generated internally by an explosion is dissipated in the so-called “flameproof enclosure” so far that the energy is no longer sufficient for ignition outside the casing.

订货号 Order No.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	M	T	0	0	0	3	1	E	A	2	3	3	A	A	4

电机系列 Motor family
1MT000系列隔爆型三相异步电动机
1MT000 series explosion protected three-phase asynchronous motors

效率 Efficiency
3 = 中国能效等级 3 级, IE3 效率等级
3 = China energy efficiency grade 3, IE3 efficiency

机座号 Frame size
0D = 080 0E = 090
1A = 100 1B = 112 1C = 132 1D = 160 1E = 180
2A = 200 2B = 225 2C = 250 2D = 280
3A = 315 3B = 355

极数 Pole
A = 2 B = 4 C = 6 D = 8

铁芯长度编号 Code of stator length
0, 1 = Short 2, 3 = Medium 4, 5, 6, 7 = Long

电压、连接方式和频率编号 Code of voltage, connections and frequency
2-2 = 50Hz 230V Δ/400VY; 60Hz 460VY
3-4 = 50Hz 400V Δ/690VY; 60Hz 460V Δ
2-1 = 50Hz 220V Δ/380VY; 60Hz 440VY
0-1 = 50Hz 230V Δ
3-3 = 50Hz 380V Δ/660VY; 60Hz 440V Δ
2-3 = 50Hz 240V Δ/415VY; 60Hz 480VY
3-5 = 50Hz 415V Δ; 60Hz 480V Δ
9-0 = 特殊电压和频率 Special voltage & frequency ¹⁾

结构和安装方式编号 Code of construction and mounting type
A = IM B3 T = IM B6 U = IM B7 V = IM B8 D = IM V6 C = IM V5
F = IM B5 G = IM V1 H = IM V3 J = IM B35 W = IM V15
K = IM B14 M = IM V18 L = IM V19 N = IM B34

绕组保护编号 Code of winding protection
A = 无绕组保护 Without winding protection
B = 一组三个PTC热敏电阻用于跳闸 3 PTC thermistors for tripping
C = 两组三个PTC热敏电阻用于报警和跳闸 6 PTC thermistors for alarm and tripping
H = 一组三个PT100温度传感器 3 PT100 resistance thermometers
J = 两组三个PT100温度传感器 6 PT100 resistance thermometers

接线盒位置编号 (从驱动端看) Code of terminal box position (view from drive end)
4 = 顶出线 On top