## 概述 Overview

额定功率: 0.55~18.5 kW

机座号: 80~160

电压与频率: 支持多种电压与频率 冷却方式: IC411, IC416、IC410 可选

防护等级: IP55 绝缘等级: F

环境温度: -15~40°C 海拔高度: 不超过 1000 m 能效等级: GB18613-2020 3 级

Rated output: 0.55 ~ 315 kW

Frame size:  $80 \sim 355$ 

Voltage and Frequency: support multiple voltage and frequency Cooling method: IC411 as standard, IC416, IC410 as option

Degree of protection: IP55
Degree of insulation: F

Coolant temperature: -15 ~ 40 ° C

Site altitude above sea level: not exceed 1000 m

EfficiencyGrade: IE3

1TL0303 系列电动机是全新设计的高效低压三相异步电动机,机壳为铸铝材质,适用于连续工作制(S1)工作运行,符合 GB18613-2020 3 级能效。1TL0 系列电动机具有效率高、结构新颖、造型美观、噪音低、振动小、绝缘等级高等特点,可用于风机、泵、压缩机、纺织机械等多种工业应用领域。相对于铸铁机壳电机,铝壳电机质量更轻,外观表面质量更好。

1TL0303 series of motors is the newly designed high efficiency low voltage three phase asynchronous motor, the housing material is cast iron, is designed for continuous duty operation(S1), efficiency fulfill the grade 3 in GB18613-2020. The series of motors owns the features of high efficiency, novel structure, beautiful appearance, low noise, small vibration, high degree of insulation, etc, also can be used in the fields of fans, pump, compressors and textile machine. Compared with cast iron frame motor, the quality of aluminum motor is lighter and the surface quality is better.

## 订货号 Order No.

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1 2 3 4 5 6 7 8 9 10 11 12
                                                                                                 13 14 15 16
                                                 1 T L 0 3 0
低压系列电动机 Low-voltage motor series
3 = 铝壳
3 = Aluminum
效率等级 Efficiency Grade
3=中国能效等级3级, IE3效率等级
3 = China energy efficiency grade 3, IE3 efficiency
机座号编号 Code of frame size
0D = 080 / 0E = 090
1A = 100 / 1B = 112 / 1C = 132 / 1D = 160
极数编号 Code of poles
A = 2/B = 4/C = 6/D = 8
机座长度编号 Code of frame length
0 \text{ or } 1 = S \text{ (short) } / 2 \text{ or } 3 = M \text{ (medium) } / 4 \text{ or } 5 \text{ or } 6 \text{ or } 7 = L \text{ (long)}
电压,连接方式和频率编号 Code of voltage, connections and frequency
                                                 04 = 400 VD 50 Hz
                         22 = 230VD / 400VY 50Hz 35 = 415VD 50Hz
21 = 220VD / 380VY 50Hz 23 = 240VD / 415VY 50Hz 9011 = 特殊电压与频率 special voltage & frequenc
33 = 380VD / 660VY 50Hz 34 = 400VD / 690VY 50Hz
结构和安装方式编号 Code of Construction and mounting type
                   T^{2} = IM B6
K^{2)(3)(4)} = IM B14 D^{2)} = IM V6
                                H^{2)(3)} = IM V3
绕组保护编号 Code of winding protection
A = 无绕组保护 without winding protection
B<sup>6)</sup> = 绕组带 3 个 PTC 热敏电阻用于跳闸 3 PTC thermistors for tripping
C<sup>6)</sup> = 绕组带 6 个 PTC 热敏电阻用于报警和跳闸 6 PTC thermistors for alarm and tripping
H 677 = 绕组带 3 个 Pt100 测温元件 3 resistance thermometers Pt100
J<sup>677</sup> = 绕组带 6 个 Pt100 测温元件 6 resistance thermometers Pt100
接线盒位置编号(从驱动端看) Code location of connection box (view from drive end)
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4=顶端出线 top / 58 = 右端出线 on RHS / 68 = 左端出线 on LHS