

Data sheet for three-phase Squirrel-Cage-Motors

1MT8014系列粉尘防爆电动机数据表

MLFB-Ordering data: 1MT8014-3AA03-4AA4

Explosion-proof grade: Ex tb IIIC T130°C Db



Motor type:

Client order no.:

Order no.:

Offer no.:

Remarks:

| U [V] | D / Y | f [Hz] | P [kW] | P [hp] | I [A] | n [1/min] | M [Nm] | NOM. EFF at ... load [%] | | | Power factor at ... load | | | I _s /I _N | M _s /M _N | M _k /M _N | IE-CL |
|--------------------|-------|-----------|-----------|-----------|----------|--------------|-----------|--------------------------|------|-----|--------------------------|------|------|--------------------------------|--------------------------------|--------------------------------|-------|
| | | | | | | | | 4/4 | 3/4 | 2/4 | 4/4 | 3/4 | 2/4 | I _s /I _N | T _s /T _N | T _B /T _N | |
| 400 | D | 50 | 110 | -N/A- | 186 | 2982 | 352 | 96 | 95.9 | 95 | 0.89 | 0.88 | 0.82 | 8.5 | 2.1 | 2.4 | IE4 |
| 690 | Y | 50 | 110 | -N/A- | 108 | 2982 | 352 | 96 | 95.9 | 95 | 0.89 | 0.88 | 0.82 | 8.5 | 2.1 | 2.4 | IE4 |
| | | | | | | | | | | | | | | | | | |
| A = IM B3 / IM 100 | | | FS 315S | | 840 kg | | IP65 | IEC/EN 60034 | | | IEC, DIN, ISO, VDE, EN | | | | | | |

Mechanical data / 机械性能数据

| | | |
|---|---|---------|
| Sound pressure level 50Hz/60Hz (No load) 声压等级 50Hz/60Hz (空载) (dB(A)) | 77 | -N/A- |
| Moment of inertia 转动惯量 (kgm ²) | 1.85 | |
| Bearing DE NDE 轴承 DE NDE | 6316 C3 | 6316 C3 |
| Relubrication quantity (DE NDE) 再润滑用量 (g) (DE NDE) | 40 | 40 |
| Relubrication interval (DE NDE) 再润滑周期 (h) (DE NDE) | 3000 | |
| Lubricants 润滑脂 | 2# Li Grease | |
| Regreasing device 再润滑装置 | Yes | |
| Grease nipple 油杯 | M10x1 GB 1152 | |
| Type of bearing 轴承类型 | Fixed bearing on NDE | |
| Condensate drainage holes 排水孔 | No | |
| External earthing terminal 外部接地 | Yes | |
| Vibration class 振动等级 | A | |
| Insulation 绝缘等级 | 155(F) to 130(B) | |
| Duty type 工作方式 | S1 | |
| Direction of rotation 旋转方向 | bidirectional | |
| Frame material 机座材料 | Cast iron | |
| Data of anti condensation heating 防潮加热 | No | |
| Coating 喷漆 | Yes | |
| Color 颜色 | RAL 7011 | |
| Motor protection 电机保护 | A = Without motor protection | |
| Method of cooling 冷却方式 | IC411 - Self ventilated, surface cooled | |

Environmental conditions / 环境条件

| | |
|----------------------------------|----------|
| Ambient temperature 环境温度(°C) | -20 ~ 40 |
| Altitude above sea level 海拔高度 | 1000m |

Terminal box / 接线盒

| | |
|---|---------------------|
| Terminal box position 接线盒位置 | Terminal box on top |
| Material of terminal box 接线盒材料 | Cast iron |
| Type of terminal box 接线盒型号 | N/A |
| Cable diameter 电缆直径 (mm) | 37-44 |
| Max. cross-sectional area 最大电缆截面积 (mm ²) | 240 |
| Main terminal thread 接线端子螺纹 | 6xM12 |
| Cable gland 葛兰 | 2 plug |
| Main cable entry 主进线孔螺纹规格 | 2xM63x1.5 |

Special design / 特殊设计