



Data sheet for three-phase Asynchronous Squirrel-Cage-Motors

三相异步鼠笼电动机数据表

MLFB-Ordering data: 1TL8014-2CA23-3AA4 D24

Motor type:

Client order no.:

Order no.:

Offer no.:

Remarks:

| U | D / Y | f | P | P | I | n | M | NOM. EFF at ... load [%] | | | Power factor at ... load | | | I _s /I _N | M _s /M _N | M _k /M _N | IE-CL |
|-------|-------|------|---------|------|--------|---------|------|--------------------------|------|------|--------------------------|------|------|--------------------------------|--------------------------------|--------------------------------|-------|
| [V] | | [Hz] | [kW] | [hp] | [A] | [1/min] | [Nm] | 4/4 | 3/4 | 2/4 | 4/4 | 3/4 | 2/4 | I _s /I _N | T _s /T _N | T _B /T _N | |
| 380 | D | 50 | 55 | / | 99 | 2982 | 176 | 95.3 | 95.2 | 94.4 | 0.89 | 0.87 | 0.81 | 8.5 | 2.8 | 3 | IE4 |
| 660 | Y | 50 | 55 | / | 57 | 2982 | 176 | 95.3 | 95.2 | 94.4 | 0.89 | 0.87 | 0.81 | 8.5 | 2.8 | 3 | IE4 |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| IM B3 | | | FS 250M | | 455 kg | | IP55 | 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)) | 72 / |
| Moment of inertia 转动惯量 (kgm²) | 0.813 |
| Bearing DE NDE 轴承 DE NDE | 6214 C3 6214 C3 |
| Relubrication quantity (DE NDE) 再润滑用量 (g) (DE NDE) | / / |
| Relubrication interval (DE NDE) 再润滑周期 (h) (DE NDE) | / |
| Lubricants 润滑脂 | / |
| Regreasing device 再润滑装置 | / |
| Grease nipple 油杯 | no |
| 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 | no |
| Vibration class 振动等级 | A |
| Insulation 绝缘等级 | 155(F) |
| 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 winding 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 (m) | 1000m |

| Terminal box / 接线盒 | |
|--|----------------|
| Terminal box position 接线盒位置 | Top |
| Material of terminal box 接线盒材料 | steel |
| Type of terminal box 接线盒型号 | / |
| Cable diameter 电缆直径 (mm) | 37~44 |
| Max. cross-sectional area 最大电缆截面积 (mm²) | / |
| Main terminal thread 接线端子螺纹 | 6XM10 |
| Cable gland 葛兰 | 1 plug+1 gland |
| Main cable entry 主进线孔螺纹规格 | 2xM63X1.5 |

| Special design / 特殊设计 |
|-----------------------|
|-----------------------|