



Data sheet for three-phase Squirrel-Cage-Motors

三相异步鼠笼电动机数据表

MLFB-Ordering data: 1TL8004-0EA42-1AA5



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 _v /M _N | M ₂ /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 ₁ /T _N | T ₂ /T _N | |
| 220 | D | 50 | 2.20 | / | 7.60 | 2910 | 7.2 | 88.0 | / | / | 0.86 | / | / | 9.7 | 3.4 | 3.5 | |
| 380 | Y | 50 | 2.20 | / | 4.40 | 2910 | 7.2 | 88.0 | / | / | 0.86 | / | / | 9.7 | 3.4 | 3.5 | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| IM B3 | | | FS 90L | | | 25 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)) | 69 | |
| Moment of inertia 转动惯量 (kgm ²) | 0.00437 | |
| Bearing DE NDE 轴承 DE NDE | 6205 2Z C3 | 6205 2Z 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 润滑油 | / | / |
| Regreasing device 再润滑装置 | No | |
| Grease nipple 油杯 | / | |
| Type of bearing 轴承类型 | Floating bearings 浮动轴承 | |
| 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) | |
| Duty type 工作方式 | S1 | |
| Direction of rotation 旋转方向 | Bidirectional 双向 | |
| Frame material 机座材料 | Cast iron 铸铁 | |
| 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 无绕组保护 | |
| Method of cooling 冷却方式 | IC411 - Self ventilated, surface cooled 自通风, 表面冷却 | |

Terminal box / 接线盒

| | |
|---|---------------------|
| Terminal box position 接线盒位置 | in right side 右侧 |
| Material of terminal box 接线盒材料 | iron sheet 铁皮 |
| Type of terminal box 接线盒型号 | / |
| Cable diameter 电缆直径 (mm) | 13~18 |
| Max. cross-sectional area 最大电缆截面积 (mm ²) | / |
| Main terminal thread 接线端子螺纹 | 6×M4 |
| Cable gland 葛兰 | 1 gland |
| Main cable entry 主进线孔螺纹规格 | M25x1.5 |

Special design / 特殊设计

Environmental conditions / 环境条件

| | |
|----------------------------------|----------|
| Ambient temperature 环境温度(°C) | -15 ~ 40 |
| Altitude above sea level 海拔高度 | 1000m |