

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

### 三相异步鼠笼电动机数据表

MLFB-Ordering data: 1TL0003-0DA32-1AA5



#### 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 <sub>s</sub> /I <sub>N</sub> | M <sub>s</sub> /M <sub>N</sub> | M <sub>k</sub> /M <sub>N</sub> | IE-CL |
|-------|-------|------|---------|------|---------|---------|------|--------------------------|-----|------------------------|--------------------------|-----|-----|--------------------------------|--------------------------------|--------------------------------|-------|
| [V]   |       | [Hz] | [kW]    | [hp] | [A]     | [1/min] | [Nm] | 4/4                      | 3/4 | 2/4                    | 4/4                      | 3/4 | 2/4 | I <sub>s</sub> /I <sub>N</sub> | T <sub>s</sub> /T <sub>N</sub> | T <sub>B</sub> /T <sub>N</sub> |       |
| 220   | D     | 50   | 1.1     | /    | 4.20    | 2850    | 3.7  | 82.7                     | 84  | /                      | 0.83                     | /   | /   | 6.5                            | 2.6                            | 3.4                            | IE3   |
| 380   | Y     | 50   | 1.1     | /    | 2.45    | 2850    | 3.7  | 82.7                     | 84  | /                      | 0.83                     | /   | /   | 6.5                            | 2.6                            | 3.4                            | IE3   |
|       |       |      |         |      |         |         |      |                          |     |                        |                          |     |     |                                |                                |                                |       |
|       |       |      |         |      |         |         |      |                          |     |                        |                          |     |     |                                |                                |                                |       |
| IM B3 |       |      | FS 80 M |      | 18.0 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) | 51                                      |
| 声压等级 50Hz/60Hz (空载)(dB(A))               |   |
| Moment of inertia                        | 0.00129                                 |
| 转动惯量 (kgm <sup>2</sup> )                 |   |
| Bearing DE   NDE                         | 6204 2RZ C                              |
| 轴承 DE   NDE                              | 6204 2RZ 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                        | No                                      |
| 再润滑装置                                    | No                                      |
| Grease nipple                            | No                                      |
| 油杯                                       | No                                      |
| Type of bearing                          | Floating bearings                       |
| 轴承类型                                     | Floating bearings                       |
| Condensate drainage holes                | No                                      |
| 排水孔                                      | No                                      |
| External earthing terminal               | No                                      |
| 外部接地                                     | No                                      |
| Vibration class                          | A                                       |
| 振动等级                                     | A                                       |
| Insulation                               | 155(F)                                  |
| 绝缘等级                                     | 155(F)                                  |
| Duty type                                | S1                                      |
| 工作方式                                     | S1                                      |
| Direction of rotation                    | Bidirectional                           |
| 旋转方向                                     | Bidirectional                           |
| Frame material                           | Cast iron                               |
| 机座材料                                     | Cast iron                               |
| Data of anti condensation heating        | No                                      |
| 防潮加热                                     | No                                      |
| Coating                                  | Yes                                     |
| 喷漆                                       | Yes                                     |
| Color                                    | RAL 7011                                |
| 颜色                                       | RAL 7011                                |
| Motor protection                         | A = Without winding protection          |
| 电机保护                                     | A = Without winding protection          |
| Method of cooling                        | IC411 - Self ventilated, surface cooled |
| 冷却方式                                     | IC411 - Self ventilated, surface cooled |

#### Terminal box / 接线盒

|                            |           |
|----------------------------|-----------|
| Terminal box position      | Right     |
| 接线盒位置                      | Right     |
| Material of terminal box   | Steel     |
| 接线盒材料                      | Steel     |
| Type of terminal box       | /         |
| 接线盒型号                      | /         |
| Cable diameter             | 10-14     |
| 电缆直径 (mm)                  | 10-14     |
| Max. cross-sectional area  | /         |
| 最大电缆截面积 (mm <sup>2</sup> ) | /         |
| Main terminal thread       | 6xM4      |
| 接线端子螺纹                     | 6xM4      |
| Cable gland                | 1 gland   |
| 葛兰                         | 1 gland   |
| Main cable entry           | 1xM24x1.5 |
| 主进线孔螺纹规格                   | 1xM24x1.5 |

#### Special design / 特殊设计

#### Environmental conditions / 环境条件

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