



## Data sheet for 1MB0013 Dust Explosion-proof Motors

### 1MT0013系列粉尘防爆电动机数据表

MLFB-Ordering data: 1MT0013-3BC53-3AA4

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



#### Motor type:

Client order no.:

Order no.:

Offer no.:

Remarks:

| U     | Δ/Y | f    | P       | P    | I       | n       | M    | NOM. EFF at ... load [%] |      |     | Power factor at ... load |     |     | I <sub>A</sub> /I <sub>N</sub> | M <sub>A</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>I</sub> /I <sub>N</sub> | T <sub>I</sub> /T <sub>N</sub> | T <sub>B</sub> /T <sub>N</sub> |       |
| 380   | Δ   | 50   | 220     | -/-  | 415     | 993     | 2116 | 95.8                     | 96.0 | -/- | 0.84                     | -/- | -/- | 8.5                            | 3.0                            | 2.4                            | IE3   |
| 660   | Y   | 50   | 220     | -/-  | 240     | 993     | 2116 | 95.8                     | 96.0 | -/- | 0.84                     | -/- | -/- | 8.5                            | 3.0                            | 2.4                            | IE3   |
|       |     |      |         |      |         |         |      |                          |      |     |                          |     |     |                                |                                |                                |       |
|       |     |      |         |      |         |         |      |                          |      |     |                          |     |     |                                |                                |                                |       |
| IM B3 |     |      | FS 355L |      | 1940 kg | IP65    |      | IEC/EN 60034             |      |     | IEC, DIN, ISO, VDE, EN   |     |     |                                |                                |                                |       |

#### Mechanical data / 机械性能数据

|                                       |   |     |
|---------------------------------------|---|-----|
| Sound pressure level 50Hz/60Hz (load) | 71 dB(A)                                | -/- |
| 声压等级 50Hz/60Hz (负载)                   |   |     |
| Moment of inertia                     | 12.86 kgm <sup>2</sup>                  |     |
| 转动惯量                                  |   |     |
| Bearing DE   NDE                      | 6322 C3 6322 C3                         |     |
| 轴承 DE   NDE                           |   |     |
| Bearing lifetime                      | -/-                                     |     |
| 轴承寿命                                  |   |     |
| Lubricants                            | BME                                     |     |
| 润滑油                                   |   |     |
| Regreasing device                     | Yes                                     |     |
| 再润滑装置                                 |   |     |
| Grease nipple                         | M10x1                                   |     |
| 油杯                                    |   |     |
| Type of bearing                       | floating bearing DE                     |     |
| 轴承类型                                  | 驱动端轴承浮动                                 |     |
| Condensate drainage holes             | No                                      |     |
| 排水孔                                   |   |     |
| External earthing terminal            | YES                                     |     |
| 外部接地                                  |   |     |
| Vibration class                       | A                                       |     |
| 振动等级                                  |   |     |
| Insulation                            | 155(F)                                  |     |
| 绝缘等级                                  |   |     |
| Duty type                             | S1                                      |     |
| 工作方式                                  |   |     |
| Direction of rotation                 | bidirectional                           |     |
| 旋转方向                                  | 双向                                      |     |
| Frame material                        | cast iron                               |     |
| 机座材料                                  | 铸铁                                      |     |
| Data of anti condensation heating     | -/-                                     |     |
| 防潮加热                                  |   |     |
| Coating                               | YES                                     |     |
| 喷漆                                    |   |     |
| Color                                 | RAL7030                                 |     |
| 颜色                                    |   |     |
| Motor protection                      | -/-                                     |     |
| 电机保护                                  |   |     |
| Method of cooling                     | IC411 - self ventilated, surface cooled |     |
| 冷却方式                                  | IC411 - 自扇冷                             |     |

#### Environmental conditions / 环境条件

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

Unrestricted

#### Terminal box / 接线盒

|                          |           |
|--------------------------|-----------|
| Terminal box position    | top       |
| 接线盒位置                    | 顶部        |
| Material of terminal box | cast iron |
| 接线盒材料                    | 铸铁        |
| Type of terminal box     | -/-       |
| 接线盒型号                    |           |
| Cable diameter           | 42.5-54.3 |
| 外接电缆直径(mm)               |           |
| Max. auxiliary terminals | -/-       |
| 最大辅助端子数                  |           |
| Auxiliary cable entry    | -/-       |
| 辅助进线孔                    |           |
| Main terminal thread     | M16       |
| 接线端子螺纹                   |           |
| Cable entry              | 2xM72x2   |
| 进线孔尺寸                    |           |

#### Special design / 特殊设计

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

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