

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

### 三相异步鼠笼电动机数据表

MLFB-Ordering data: 1TL8004-3BC33-3AA5



#### 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> |       |
| 380   | D     | 50   | 185      | /    | 345     | 993     | 1779 | 96.3                     | 96.6 | 96.4 | 0.84                     | 0.81 | 0.74 | 7.8                            | 2.5                            | 2.5                            | IE4   |
| 660   | Y     | 50   | 185      | /    | 200     | 993     | 1779 | 96.3                     | 96.6 | 96.4 | 0.84                     | 0.81 | 0.74 | 7.8                            | 2.5                            | 2.5                            | IE4   |
|       |       |      |          |      |         |         |      |                          |      |      |                          |      |      |                                |                                |                                |       |
|       |       |      |          |      |         |         |      |                          |      |      |                          |      |      |                                |                                |                                |       |
| IM B3 |       |      | FS 355 M |      | 1630 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)<br>声压等级 50Hz/60Hz (空载)(dB(A)) | 76                                      |
| Moment of inertia<br>转动惯量 (kgm <sup>2</sup> )                          | 10.52                                   |
| Bearing DE   NDE<br>轴承 DE   NDE  | 6322 C3   6322 C3                       |
| Relubrication quantity (DE NDE)<br>再润滑用量 (g) (DE NDE)                  | 60   60                                 |
| Relubrication interval (DE NDE)<br>再润滑周期 (h) (DE NDE)                  | 4000                                    |
| Lubricants<br>润滑脂  | BME                                     |
| Regreasing device<br>再润滑装置   | Yes                                     |
| Grease nipple<br>油杯  | M10x1                                   |
| Type of bearing<br>轴承类型  | Fixed bearing on NDE                    |
| Condensate drainage holes<br>排水孔                                       | No                                      |
| External earthing terminal<br>外部接地                                     | Yes                                     |
| Vibration class<br>振动等级  | A                                       |
| Insulation<br>绝缘等级   | 155(F)                                  |
| Duty type<br>工作方式  | S1                                      |
| Direction of rotation<br>旋转方向  | Bidirectional                           |
| Frame material<br>机座材料   | Cast iron                               |
| Data of anti condensation heating<br>防潮加热                              | No                                      |
| Coating<br>喷漆  | Yes                                     |
| Color<br>颜色  | RAL 7011                                |
| Motor protection<br>电机保护   | A = Without winding protection          |
| Method of cooling<br>冷却方式  | IC411 - Self ventilated, surface cooled |

#### Terminal box / 接线盒

|   |                  |
|---|------------------|
| Terminal box position<br>接线盒位置                          | Right            |
| Material of terminal box<br>接线盒材料                       | Metal Sheet      |
| Type of terminal box<br>接线盒型号                           | /                |
| Cable diameter<br>电缆直径 (mm)                             | 38-47            |
| Max. cross-sectional area<br>最大电缆截面积 (mm <sup>2</sup> ) | /                |
| Main terminal thread<br>接线端子螺纹                          | 6xM16            |
| Cable gland<br>葛兰                                       | 1 plug + 1 gland |
| Main cable entry<br>主进线孔螺纹规格                            | 2xM72x2          |

#### Special design / 特殊设计

#### Environmental conditions / 环境条件

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