

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

三相异步鼠笼电动机数据表

MLFB-Ordering data: YE3-80M2-0.75kW-4



### 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      | 0.75 | /      | 3.18 | 1430    | 5.0  | 82.5                     | 82.5 | /                      | 0.75                     | /   | /   | 6.5                            | 3.0                            | 3.3                            | IE3   |
| 380   | Y     | 50      | 0.75 | /      | 1.84 | 1430    | 5.0  | 82.5                     | 82.5 | /                      | 0.75                     | /   | /   | 6.5                            | 3.0                            | 3.3                            | IE3   |
|       |       |         |      |        |      |         |      |                          |      |                        |                          |     |     |                                |                                |                                |       |
|       |       |         |      |        |      |         |      |                          |      |                        |                          |     |     |                                |                                |                                |       |
| IM B3 |       | FS 80 M |      | 2.1 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)) | 66/69                                   |
| Moment of inertia<br>转动惯量 (kgm <sup>2</sup> )                          | 0.00220                                 |
| Bearing DE   NDE<br>轴承 DE   NDE  | 6204 2RZ C3   6204 2RZ C3               |
| Relubrication quantity (DE NDE)<br>再润滑用量 (g) (DE NDE)                  | /   /                                   |
| Relubrication interval (DE NDE)<br>再润滑周期 (h) (DE NDE)                  | /                                       |
| Lubricants<br>润滑脂  | /                                       |
| Regreasing device<br>再润滑装置   | No                                      |
| Grease nipple<br>油杯  | No                                      |
| Type of bearing<br>轴承类型  | Floating bearings                       |
| Condensate drainage holes<br>排水孔                                       | No                                      |
| External earthing terminal<br>外部接地                                     | No                                      |
| 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  | B01                                     |
| 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                          | Top       |
| Material of terminal box<br>接线盒材料                       | Steel     |
| Type of terminal box<br>接线盒型号                           | /         |
| Cable diameter<br>电缆直径 (mm)                             | 13-18     |
| 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                          | 6xM4      |
| Cable gland<br>葛兰                                       | 1 gland   |
| Main cable entry<br>主进线孔螺纹规格                            | 1xM25x1.5 |

### 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    |