



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

三相异步鼠笼电动机数据表

MLFB-Ordering data: 1TL8014-2AB53-3AA4 D24

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   | 30      | /    | 59     | 1486    | 193  | 94.9                     | 95.4 | 95.2 | 0.82                     | 0.78 | 0.68 | 8                              | 2.8                            | 3                              | IE4   |
| 660   | Y     | 50   | 30      | /    | 33.5   | 1486    | 193  | 94.9                     | 95.4 | 95.2 | 0.82                     | 0.78 | 0.68 | 8                              | 2.8                            | 3                              | IE4   |
|       |       |      |         |      |        |         |      |                          |      |      |                          |      |      |                                |                                |                                |       |
|       |       |      |         |      |        |         |      |                          |      |      |                          |      |      |                                |                                |                                |       |
| IM B3 |       |      | FS 200L |      | 281 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)) | 61 /                                    |
| Moment of inertia<br>转动惯量 (kgm²)                                       | 0.506                                   |
| Bearing DE   NDE<br>轴承 DE   NDE  | 6212 Z C3   6212 Z 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   | /                                       |
| Grease nipple<br>油杯  | no                                      |
| 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                                     | 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  | 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 |

| Environmental conditions / 环境条件      |          |
|--------------------------------------|----------|
| Ambient temperature<br>环境温度(°C)      | -20 ~ 40 |
| Altitude above sea level<br>海拔高度 (m) | 1000m    |

| 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)                | 32-36          |
| Max. cross-sectional area<br>最大电缆截面积 (mm²) | /              |
| Main terminal thread<br>接线端子螺纹             | 6XM6           |
| Cable gland<br>葛兰                          | 1 plug+1 gland |
| Main cable entry<br>主进线孔螺纹规格               | 2xM50X1.5      |

| Special design / 特殊设计 |
|-----------------------|
|-----------------------|