



MLFB-Ordering data: **1LE1603-1DA43-4JB4**

Motor type: **1CV3164A**

Client order no.:

Item no.:

Order no.:

Consignment no.:

Offer no.:

Project:

Remarks:

| U<br>[V]         | Δ/Y | f<br>[Hz] | P<br>[kW] | P<br>[hp] | I<br>[A] | n<br>[1/min] | M<br>[Nm] | NOM. EFF at ... load [%] |      |      | Power factor at ... load |      |      | I <sub>A</sub> /I <sub>N</sub><br>I/I <sub>N</sub> | M <sub>A</sub> /M <sub>N</sub><br>T <sub>r</sub> /T <sub>N</sub> | M <sub>k</sub> /M <sub>N</sub><br>T <sub>B</sub> /T <sub>N</sub> | IE-CL |
|------------------|-----|-----------|-----------|-----------|----------|--------------|-----------|--------------------------|------|------|--------------------------|------|------|--|--|--|-------|
|                  |     |           |           |           |          |              |           | 4/4                      | 3/4  | 2/4  | 4/4                      | 3/4  | 2/4  |  |  |  |       |
| 400              | Δ   | 50        | 18.50     | - / -     | 32.00    | 2955         | 60.0      | 92.4                     | 92.8 | 92.4 | 0.90                     | 0.87 | 0.80 | 9.0  | 2.8  | 4.2  | IE3   |
| 690              | Y   | 50        | 18.50     | - / -     | 18.70    | 2955         | 60.0      | 92.4                     | 92.8 | 92.4 | 0.90                     | 0.87 | 0.80 | 9.0  | 2.8  | 4.2  | IE3   |
| 460              | Δ   | 60        | 21.30     | - / -     | 32.00    | 3555         | 57.0      | 91.7                     | 91.5 | 90.3 | 0.91                     | 0.88 | 0.80 | 9.0  | 2.6  | 4.2  | IE3   |
| 460              | Δ   | 60        | 18.50     | - / -     | 28.50    | 3560         | 50.0      | 91.7                     | 91.5 | 90.3 | 0.89                     | 0.86 | 0.78 | 10.2   | 3.0  | 4.8  | IE3   |
| IM B35 / IM 2001 |     | FS 160 L  |           | 127 kg    | IP55     | IEC/EN 60034 |           | IEC, DIN, ISO, VDE, EN   |      |      |                          |      |      |  |  |  |       |

| Mechanical data                       |   |           | Terminal box                   |                      |
|---------------------------------------|---|-----------|--------------------------------|----------------------|
| Sound pressure level 50Hz/60Hz (load) | 70 dB(A)  | 77 dB(A)  | Terminal box position          | top                  |
| Moment of inertia                     | 0.068 kg m <sup>2</sup>                                       |           | Material of terminal box       | cast iron            |
| Bearing DE   NDE                      | 6309 Z C3   | 6309 Z C3 | Type of terminal box           | TB1 J01              |
| Relubrication interval/quantity       | 10 g   10 g<br>8000 h   |           | Contact screw thread           | M5                   |
| Lubricants                            | Esso Unirex N3  |           | Max. cross-sectional area      | 16.0 mm <sup>2</sup> |
| Regreasing device                     | Yes (standard)  |           | Cable diameter from ... to ... | 19.0 mm - 28.0 mm    |
| Grease nipple                         |   |           | Cable entry                    | 2xM40x1,5-1xM16x1,5  |
| Type of bearing                       | Locating bearing NDE  |           | Cable gland                    | 3 plugs              |
| Condensate drainage holes             | Yes (standard)  |           | Special design (0)             |                      |
| External earthing terminal            |   |           |                                |                      |
| Vibration severity grade              | A   |           |                                |                      |
| Insulation                            | 155(F) to 130(B)  |           |                                |                      |
| Duty type                             | S1  |           |                                |                      |
| Direction of rotation                 | bidirectional   |           |                                |                      |
| Frame material                        | cast iron   |           |                                |                      |
| Data of anti condensation heating     | -/-   |           |                                |                      |
| Coating (paint finish)                | Special paint finish C3                                       |           |                                |                      |
| Color, paint shade                    | RAL7030   |           |                                |                      |
| Motor protection                      | (B) 3 PTC thermistors - for tripping (standard) (2 terminals) |           |                                |                      |
| Method of cooling                     | IC411 - self ventilated, surface cooled                       |           |                                |                      |

| Environmental conditions |                 |
|--------------------------|-----------------|
| Ambient temperature      | -20 °C - +40 °C |
| Altitude above sea level | 1000 m          |

