



Ordering data: **1LE1003-1DC43-4FB4**

Motor type: **1AV3164C**

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 <sub>A</sub> /I <sub>N</sub> | M <sub>A</sub> /M <sub>N</sub><br>T <sub>f</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        | 11.00     | - / -     | 23.00    | 975          | 108.0     | 90.3                     | 91.2 | 90.8                   | 0.77                     | 0.72 | 0.62 | 5.0  | 1.9  | 2.3  | IE3   |
| 690             | Y   | 50        | 11.00     | - / -     | 13.30    | 975          | 108.0     | 90.3                     | 91.2 | 90.8                   | 0.77                     | 0.72 | 0.62 | 5.0  | 1.9  | 2.3  | IE3   |
| 460             | Δ   | 60        | 12.60     | - / -     | 23.00    | 1175         | 102.0     | 90.2                     | 90.9 | 90.6                   | 0.77                     | 0.73 | 0.64 | 5.1  | 1.9  | 2.2  | IE2   |
| 460             | Δ   | 60        | 11.00     | - / -     | 20.50    | 1180         | 89.0      | 90.2                     | 90.5 | 89.6                   | 0.75                     | 0.70 | 0.59 | 5.7  | 2.2  | 2.5  | IE2   |
| IM B5 / IM 3001 |     | FS 160 L  |           | 115 kg    |          | IP55         |           | IEC/EN 60034             |      | IEC, DIN, ISO, VDE, EN |                          |      |      |  |  |  |       |

| Mechanical data                       |   |           |  | Terminal box                   |                      |  |  |
|---------------------------------------|---|-----------|--|--------------------------------|----------------------|--|--|
| Sound pressure level 50Hz/60Hz (load) | 67 db(A)                                | 70 db(A)  |  | Terminal box position          | top                  |  |  |
| Moment of inertia                     | 0.12 kg m <sup>2</sup>                  |           |  | Material of terminal box       | Aluminium            |  |  |
| Bearing DE   NDE                      | 6209 2ZC3                               | 6209 2ZC3 |  | Type of terminal box           | TB1 J00              |  |  |
| Bearing lifetime                      | 40000 h                                 |           |  | Contact screw thread           | M5                   |  |  |
| Lubricants                            | Esso Unirex N3                          |           |  | Max. cross-sectional area      | 16.0 mm <sup>2</sup> |  |  |
| Regreasing device                     | No                                      |           |  | 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             | No                                      |           |  | Environmental conditions       |                      |  |  |
| External earthing terminal            | No                                      |           |  | Ambient temperature            | -20 °C - +40 °C      |  |  |
| Vibration class                       | A                                       |           |  | Altitude above sea level       | 1000 m               |  |  |
| Insulation                            | 155(F) to 130(B)                        |           |  | Special design                 |                      |  |  |
| Duty type                             | S1                                      |           |  |                                |                      |  |  |
| Direction of rotation                 | bidirectional                           |           |  |                                |                      |  |  |
| Frame material                        | aluminum                                |           |  |                                |                      |  |  |
| Data of anti condensation heating     | - / -                                   |           |  |                                |                      |  |  |
| Coating                               | Standard paint finish C2                |           |  |                                |                      |  |  |
| Color                                 | RAL7030                                 |           |  |                                |                      |  |  |
| Motor protection                      | (B) 3 PTC thermistors - for tripping    |           |  |                                |                      |  |  |
| Method of cooling                     | IC411 - self ventilated, surface cooled |           |  |                                |                      |  |  |