



MLFB-Ordering data: 1LE1002-1DC43-4AA4

Motor type: 1AV1164C

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project:

| U [V] | Δ / Y | f [Hz] | P [kW] | P [hp] | I [A] | n [1/min] | M [Nm] | NOM. EFF at ... load [%] | | | Power factor at ... load | | | I _A /I _N I _f /I _N | M _A /M _N T _f /T _N | M _K /M _N T _B /T _N | IE-CL |
|-----------------|-------|-----------|-----------|-----------|----------|--------------|--------------|--------------------------|------|------------------------|--------------------------|------|------|--|--|--|-------|
| | | | | | | | | 4/4 | 3/4 | 2/4 | 4/4 | 3/4 | 2/4 | | | | |
| 400 | Δ | 50 | 11.00 | - / - | 24.00 | 965 | 109.0 | 86.4 | 86.8 | 85.9 | 0.77 | 0.71 | 0.59 | 5.9 | 1.9 | 2.7 | IE1 |
| 690 | Y | 50 | 11.00 | - / - | 13.80 | 965 | 109.0 | 86.4 | 86.8 | 85.9 | 0.77 | 0.71 | 0.59 | 5.9 | 1.9 | 2.7 | IE1 |
| 460 | Δ | 60 | 12.60 | - / - | 23.00 | 1165 | 103.0 | 89.0 | 89.3 | 88.3 | 0.77 | 0.71 | 0.61 | 6.3 | 1.9 | 2.7 | IE1 |
| IM B3 / IM 1001 | | | FS 160 L | | 92 kg | IP55 | IEC/EN 60034 | | | IEC, DIN, ISO, VDE, EN | | | | | | | |

Mechanical data

| | | |
|---------------------------------------|---|------------------------|
| Sound pressure level 50Hz/60Hz (load) | 67 dB(A) ¹⁾ | 70 dB(A) ¹⁾ |
| Moment of inertia | 0.078 kg m ² | |
| Bearing DE NDE | 6209 2Z C3 | 6209 2Z C3 |
| Bearing lifetime | 40000 h | |
| Lubricants | Esso Unirex N3 | |
| Regreasing device | No | |
| Grease nipple | - / - | |
| Type of bearing | Locating bearing NDE | |
| Condensate drainage holes | No | |
| External earthing terminal | | |
| Vibration severity grade | A | |
| Insulation | 155(F) to 130(B) | |
| Duty type | S1 | |
| Direction of rotation | bidirectional | |
| Frame material | aluminum | |
| Data of anti condensation heating | -/- | |
| Coating (paint finish) | Standard paint finish C2 | |
| Color, paint shade | RAL7030 | |
| Motor protection | (A) without (Standard) | |
| Method of cooling | IC411 - self ventilated, surface cooled | |

Environmental conditions

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

Notes

I_A¹⁾/I_N = locked rotor current / current nominal M_K/M_N = break down torque / nominal torque
M_A/M_N = locked rotor torque / torque nominal 1) Value is valid only for DOL operation with motor design IC411

Terminal box

| | |
|--------------------------------|----------------------|
| Terminal box position | top |
| Material of terminal box | Aluminium |
| Type of terminal box | TB1 J00 |
| Contact screw thread | M5 |
| Max. cross-sectional area | 16.0 mm ² |
| Cable diameter from ... to ... | 19.0 mm - 28.0 mm |
| Cable entry | 2xM40x1,5 |
| Cable gland | 2 plugs |

Special design (0)

Tel: 48 0000 49 (60 Lines)

