



MLFB-Ordering data: 1LE1002-0EB02-2AA4

Motor type: 1AV1090B

Client order no.:

Item no.:

Order no.:

Consignment no.:

Offer no.:

Project:

Remarks:

| U [V] | Δ /Y | f [Hz] | P | | I [A] | n [1/min] | M [Nm] | NOM. EFF at ... load [%] | | | Power factor at ... load | | | I_A/I_N | M_A/M_N | M_V/M_N | IE-CL |
|----------|-------------|-----------|------|-------|----------|--------------|-----------|--------------------------|------|------|--------------------------|------|------|-----------|-----------|-----------|-------|
| | | | [kW] | [hp] | | | | 4/4 | 3/4 | 2/4 | 4/4 | 3/4 | 2/4 | I_A/I_N | T_V/T_N | T_B/T_N | |
| 230 | Δ | 50 | 1.10 | - / - | 4.55 | 1405 | 7.5 | 75.0 | 75.9 | 73.6 | 0.81 | 0.72 | 0.58 | 4.5 | 2.1 | 2.3 | IE1 |
| 400 | Y | 50 | 1.10 | - / - | 2.50 | 1405 | 7.5 | 75.0 | 75.9 | 73.6 | 0.81 | 0.72 | 0.58 | 4.5 | 2.1 | 2.3 | IE1 |
| 460 | Y | 60 | 1.27 | - / - | 2.50 | 1705 | 7.1 | 79.0 | 79.8 | 77.7 | 0.81 | 0.73 | 0.59 | 5.0 | 2.2 | 2.5 | IE1 |

| | | | | | | | |
|-----------------|--|---------|--|------|--------|--------------|------------------------|
| IM B3 / IM 1001 | | FS 90 S | | IP55 | CC032A | IEC/EN 60034 | IEC, DIN, ISO, VDE, EN |
|-----------------|--|---------|--|------|--------|--------------|------------------------|

| Mechanical data | | Terminal box | |
|---------------------------------------|---|--------------------------------|---------------------|
| Sound pressure level 50Hz/60Hz (load) | 56 dB(A) 54 dB(A) | Terminal box position | top |
| Moment of inertia | 0.005 kg m ² | Material of terminal box | Aluminium |
| Bearing DE NDE | 6205 2Z C3 6004 2Z C3 | Type of terminal box | TB1 E00 |
| Bearing lifetime | 40000 h | Contact screw thread | M4 |
| Lubricants | Esso Unirex N3 | Max. cross-sectional area | 1.5 mm ² |
| Regreasing device | No | Cable diameter from ... to ... | 9.0 mm - 17.0 mm |
| Grease nipple | - / - | Cable entry | 1xM25x1,5 |
| Type of bearing | Preloaded bearing DE | Cable gland | 1 plug |
| Condensate drainage holes | No | Special design (0) | |
| External earthing terminal | | | |
| Vibration class | 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 | | |



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