



MLFB-Ordering data: **1LE1002-0BA22-2AA4**

Motor type: **1AV1062A**

Client order no.:

Item no.:

Order no.:

Consignment no.:

Offer no.:

Project:

Remarks:

| U<br>[V]        | Δ/Y | f<br>[Hz] | P       |       | I<br>[A] | n<br>[1/min] | M<br>[Nm]    | NOM. EFF at ... load [%] |      |                        | Power factor at ... load |      |      | $I_A/I_N$<br> <br>$I/I_N$ | $M_A/M_N$<br> <br>$T/T_N$ | $M_k/M_N$<br> <br>$T_B/T_N$ | IE-CL |
|-----------------|-----|-----------|---------|-------|----------|--------------|--------------|--------------------------|------|------------------------|--------------------------|------|------|---------------------------|---------------------------|-----------------------------|-------|
|                 |     |           | [kW]    | [hp]  |          |              |              | 4/4                      | 3/4  | 2/4                    | 4/4                      | 3/4  | 2/4  |                           |                           |                             |       |
| 230             | Δ   | 50        | 0.18    | - / - | 1.08     | 2805         | 0.6          | 52.8                     | 50.1 | 44.2                   | 0.79                     | 0.69 | 0.56 | 3.4                       | 1.7                       | 2.2                         | IE1   |
| 400             | Y   | 50        | 0.18    | - / - | 0.62     | 2805         | 0.6          | 52.8                     | 50.1 | 44.2                   | 0.79                     | 0.69 | 0.56 | 3.4                       | 1.7                       | 2.2                         | IE1   |
| 460             | Y   | 60        | 0.21    | - / - | 0.55     | 3405         | 0.6          | 62.0                     | 59.7 | 53.0                   | 0.78                     | 0.68 | 0.55 | 3.9                       | 1.9                       | 2.5                         | IE1   |
| IM B3 / IM 1001 |     |           | FS 63 M |       |          | IP55         | IEC/EN 60034 |                          |      | IEC, DIN, ISO, VDE, EN |                          |      |      |                           |                           |                             |       |

| Mechanical data                       |   | Terminal box                   |                     |
|---------------------------------------|---|--------------------------------|---------------------|
| Sound pressure level 50Hz/60Hz (load) |   | Terminal box position          | top                 |
| Moment of inertia                     | 0.00018 kg m <sup>2</sup>               | Material of terminal box       | Aluminium           |
| Bearing DE   NDE                      | 6201 2ZC3   6201 2ZC3                   | Type of terminal box           | TB1 B00             |
| Bearing lifetime                      | 40000 h                                 | Contact screw thread           | M4                  |
| Lubricants                            | Unirex N3                               | Max. cross-sectional area      | 1.5 mm <sup>2</sup> |
| Regreasing device                     | No                                      | Cable diameter from ... to ... | 9.0 mm - 17.0 mm    |
| Grease nipple                         | - / -                                   | Cable entry                    | - / -               |
| Type of bearing                       | Preloaded bearing DE                    | Cable gland                    | - / -               |
| Condensate drainage holes             | No                                      |                                |                     |
| External earthing terminal            |   |                                |                     |
| Vibration severity grade              | A                                       | Special design (0)             |                     |
| 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                                      |  |
|--|--|
| $I_A/I_N$ = locked rotor current / current | $M_k/M_N$ = break down torque / nominal torque |
| $M_A/M_N$ = locked rotor torque / torque   | 1) at rated power                              |