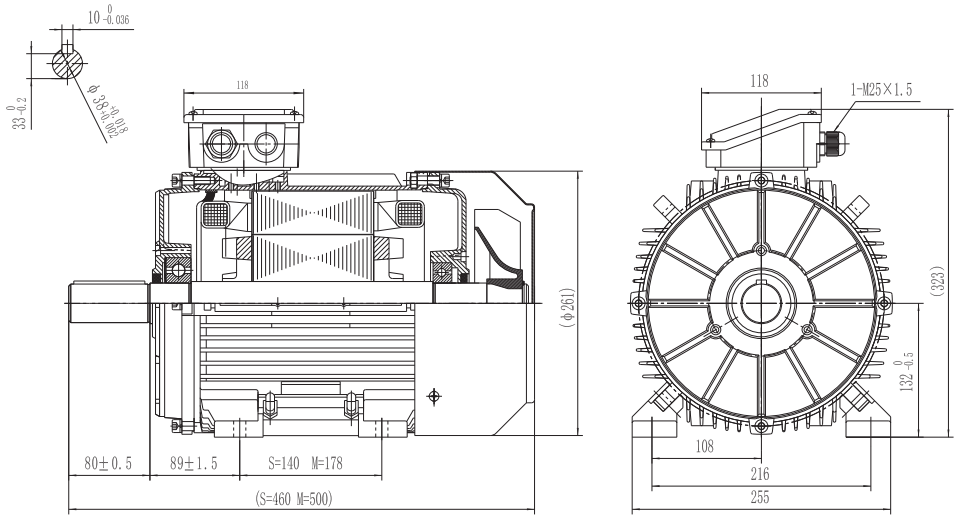
# Data sheet for three-phase squirrel-cage motor

**Type** T3A 132M2-6 | **Cod.** R132M605,53B5A00000T | **Mounting position**

| IM | B3 |
|---|---|
| IM | 1001 |




| Electrical data | | | |
|---|---|---|---|
| Rated motor power | 5.5 | | Kw |
| Rated motor speed | 975 | | $min^{-1}$ 50Hz |
| | 1170 | | $min^{-1}$ 60Hz |
| Rated motor frequency | 50 | | Hz |
| Rated motor voltage(+/-10%) | 400 | | VΔ/50Hz |
| | 690 | | VY/50Hz |
| | 480 | | VΔ/60Hz |
| | 830 | | VY/60Hz |
| Rated motor torque | 53.89 | | Nm (Mn) |
| Rated motor current | 12.7 | VΔ/50Hz | A (In) |
| | 7.34 | VY/50Hz | A (In) |
| Starting motor current | 7.4 | | xIn |
| Starting motor torque | 2.9 | | xMn |
| Breakdown motor torque | 3.5 | | xMn |
| Starting | | | D.O.L. |
| Efficiency class | IE3 | | |
| Efficiency | 50Hz | 60Hz | |
| | 88 | 88.5 | 100% load |
| | 88.3 | 87.9 | 75% load |
| | 87.1 | 87.2 | 50% load |
| Power factor cosφ | 0.71 | 0.71 | 100% load |

| General data | | |
|---|---|---|
| Frame size | 132 | |
| Mounting | B3 | |
| Weight | 54.8 | Kg |
| Casing material | Aluminum | |
| Protection | IP | 55 |
| Insulation class | H | |
| Tropicalization | Yes | |
| Vibration class | A | |
| Duty | S1 | |
| Direction of rotation | Bidirectional | |
| Method of cooling | IC | 411 |
| Cable entry | 2-M25x1,5 | |
| Standards | IEC/DIN/ISO/VDE/EN | |
| Execute at Standard | IEC 60034-1 | |
| Feet removable | Yes | |
| Paintwork | RAL 7024 | Standard |
| Thermal protections | n/a | |

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

| Mechanical data | | | | | | |
|---|---|---|---|---|---|---|
| Noise level | LpA | 58 | dB(A) | Bearing DE side | 6308-2RS-C3 | |
| | LwA | 67 | dB(A) | Bearing NDE side | 6208-2RS-C3 | |
| Moment of inertia | 0.05399 | | Kgm² | Average bearing lifetime | 40000 | h |
| Bearings type | | | NSK | Relubrication interval L1 DE bearing | life | h |
| Lubricants for bearings | See installation and maintenance manual | | | Relubrication interval L1 NDE bearing | life | h |
| | | | | Compensation ring | NDE SIDE | standard |

There may be differences between rating plate and calculated values.

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