SIEMENS

# Data sheet for three-phase Squirrel-Cage-Motors

**MLFB-Ordering data:** **1LE1603-2DC62-2AB4**

**Motor type:** **1CV3286C**

Client order no.: Item no.:
Order no.: Consignment no.:
Offer no.: Project:
Remarks:

| U [V] | Δ / Y | f [Hz] | P [kW] | P [hp] | I [A] | n [1/min] | M [Nm] | NOM. EFF at ... load [%] 4/4 | 3/4 | 2/4 | Power factor at ... load 4/4 | 3/4 | 2/4 | $I_A/I_N$ $I_I/I_N$ | $M_A/M_N$ $T_I/T_N$ | $M_K/M_N$ $T_B/T_N$ | IE-CL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 230 | Δ | 50 | 75.00 | - / - | 240.00 | 988 | 725.0 | 94.6 | 95.0 | 94.8 | 0.83 | 0.78 | 0.68 | 8.6 | 3.7 | 3.3 | IE3 |
| 400 | Y | 50 | 75.00 | - / - | 138.00 | 988 | 725.0 | 94.6 | 95.0 | 94.8 | 0.83 | 0.78 | 0.68 | 8.6 | 3.7 | 3.3 | IE3 |
| 460 | Y | 60 | 90.00 | - / - | 140.00 | 1188 | 723.0 | 95.0 | 95.4 | 95.3 | 0.85 | 0.81 | 0.72 | 8.1 | 3.5 | 3.0 | IE3 |
| 460 | Y | 60 | 75.00 | - / - | 121.00 | 1190 | 602.0 | 95.0 | 95.1 | 94.6 | 0.82 | 0.77 | 0.66 | 9.5 | 4.2 | 3.6 | IE3 |
| IM B3 / IM 1001 | | | FS 280 M | | 620 kg | IP55 | | IEC/EN 60034 | | | IEC, DIN, ISO, VDE, EN | | | | | | |

## Mechanical data

| | | |
|---|---|---|
| Sound pressure level 50Hz/60Hz (load) | 63 dB(A) [1] | 64 dB(A) [1] |
| Moment of inertia | 1.90 kg m² | |
| Bearing DE \| NDE | 6317 C3 | 6317 C3 |
| Relubrication interval/quantity | 30 g \| 30 g 8000 h | |
| Lubricants | Unirex N3 | |
| Regreasing device | Yes (standard) | |
| Grease nipple | M10x1 DIN 3404 A | |
| Type of bearing | Locating bearing NDE | |
| Condensate drainage holes | Yes (standard) | |
| External earthing terminal | Yes (standard) | |
| Vibration severity grade | A | |
| Insulation | 155(F) to 130(B) | |
| Duty type | S1 | |
| Direction of rotation | bidirectional | |
| Frame material | cast iron | |
| Data of anti condensation heating | -/- | |
| Coating (paint finish) | Special paint finish C3 | |
| Color, paint shade | RAL7030 | |
| Motor protection | (B) 3 PTC thermistors - for tripping (standard) (2 terminals) | |
| Method of cooling | IC411 - self ventilated, surface cooled | |

## Environmental conditions

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

## Terminal box

| | |
|---|---|
| Terminal box position | top |
| Material of terminal box | cast iron |
| Type of terminal box | TB1 N01 |
| Contact screw thread | M10 |
| Max. cross-sectional area | 120.0 mm² |
| Cable diameter from ... to ... | 34.0 mm - 42.0 mm |
| Cable entry | 2xM63x1,5-2xM20x1,5 |
| Cable gland | 4 plugs |

## Special design (0)

**Notes**

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

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

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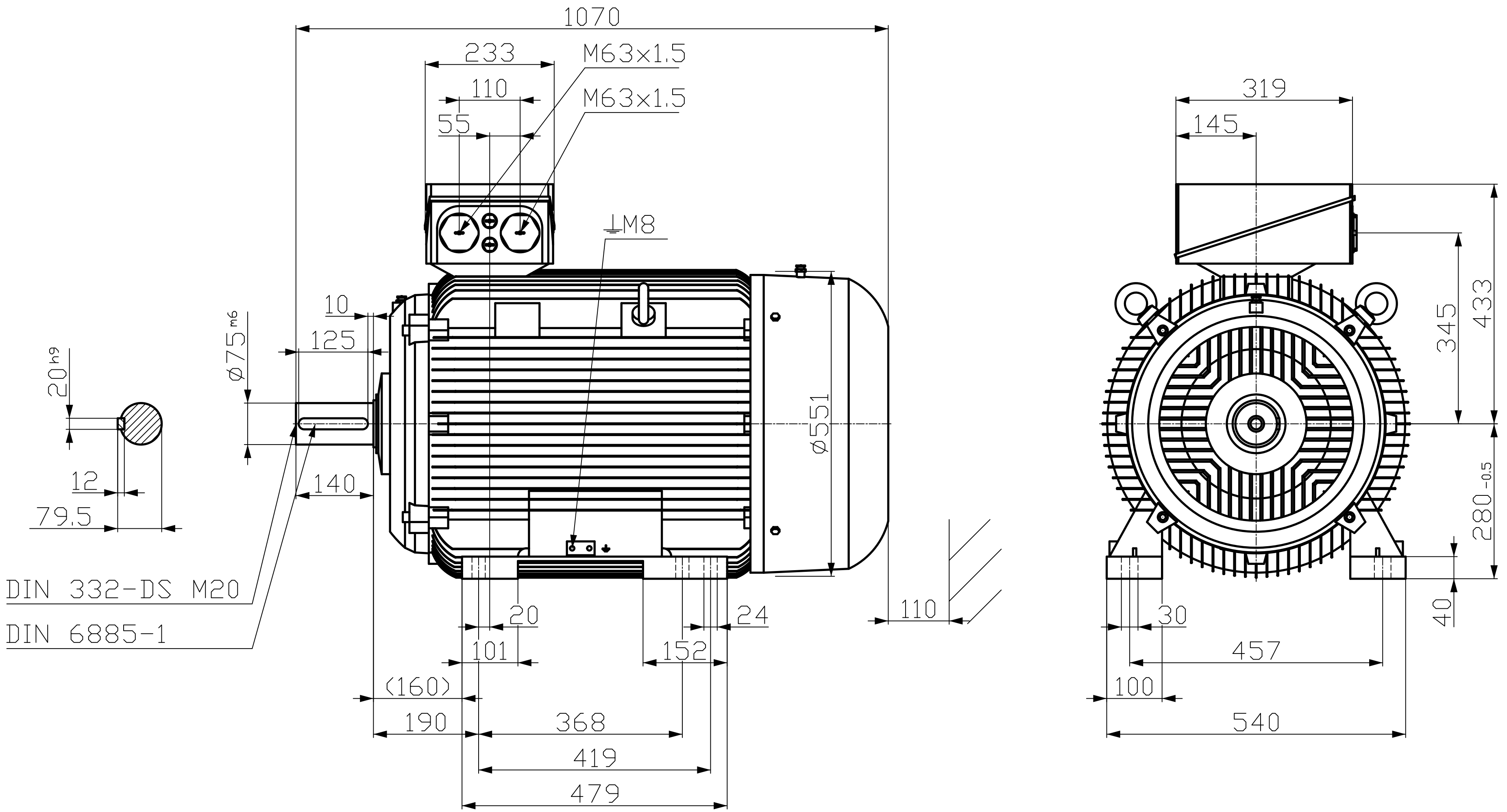


| Tolerance | Surface | Material | Weight | Scale |
|---|---|---|---|---|
| | | | - | mm |

1LE1603-2DC62-2AB4
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