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

**Motor type : 1AV2132B** **INNOMOTICS GP - 132 M - IM B3 - 4p**

| Client order no. | Item-No. | Offer no. |
|---|---|---|
| Order no. | Consignment no. | Project |

Remarks

**Safe Area**

**Electrical data** **-/-**

| U [V] | Δ / Y | f [Hz] | P [kW] | P [hp] | I [A] | n [1/min] | M [Nm] | η 3) 4/4 | η 3) 3/4 | η 3) 2/4 | cosφ 3) 4/4 | cosφ 3) 3/4 | cosφ 3) 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **DOL duty (S1)** - 155(F) to 130(B) | | | | | | | | | | | | | | | | | |
| 380 | Δ | 50 | 7.50 | -/- | 15.50 | 1465 | 49.0 | 88.7 | 89.8 | 89.8 | 0.83 | 0.78 | 0.69 | 6.9 | 2.3 | 2.9 | IE2 |
| 660 | Y | 50 | 7.50 | -/- | 8.90 | 1465 | 49.0 | 88.7 | 89.8 | 89.8 | 0.83 | 0.78 | 0.69 | 6.9 | 2.3 | 2.9 | IE2 |
| 440 | Δ | 60 | 8.60 | -/- | 15.20 | 1765 | 46.5 | 89.5 | 90.0 | 90.1 | 0.83 | 0.81 | 0.71 | 7.1 | 2.3 | 2.9 | IE2 |
| 440 | Δ | 60 | 7.50 | -/- | 13.40 | 1770 | 40.5 | 89.5 | 90.0 | 89.3 | 0.82 | 0.78 | 0.68 | 8.0 | 2.7 | 3.4 | IE2 |
| IM B3 / IM 1001 | | FS 132 M | | | IP55 | UKCA | | IEC/EN 60034 | | IEC, DIN, ISO, VDE, EN | | | | | | | |

Environmental conditions : -20 °C - +40 °C / 1000 m | Locked rotor time (hot / cold) : 12.4 s | 21.6 s

## Mechanical data

| | | | |
|---|---|---|---|
| Sound level (SPL / SWL) at 50Hz\|60Hz | 64 / 76 dB(A) 2) 3) | 68 / 80 dB(A) 2) 3) | |
| Moment of inertia | 0.0280 kg m² | | |
| Bearing DE \| NDE | 6208 2Z C3 | 6208 2Z C3 | |
| **bearing lifetime** | | | |
| $L_{10mh}$ $F_{Rad\ min}$ for coupling operation 50\|60Hz 1) | 40000 h | 32000 h | |
| Regreasing device | Without | | |
| Grease nipple | -/- | | |
| Type of bearing | Preloaded bearing DE | | |
| Condensate drainage holes | Without | | |
| External earthing terminal | Without | | |

| | |
|---|---|
| Vibration severity grade | A |
| Thermal class | F |
| Duty type | S1 |
| Direction of rotation | bidirectional |
| Frame material | aluminum |
| Net weight of the motor (IM B3) | 49 kg |
| Coating (paint finish) | Standard paint finish C2 |
| Color, paint shade | RAL7030 |
| Motor protection | (B) 3 PTC thermistors - for tripping (2 terminals) |
| Method of cooling | IC411 - self ventilated, surface cooled |

## Terminal box

| | | | |
|---|---|---|---|
| Terminal box position | top | Max. cross-sectional area | 6 mm² |
| Material of terminal box | Aluminium | Cable diameter from ... to ... | 11 mm - 21 mm |
| Type of terminal box | TB1 H00 | Cable entry | 2xM32x1,5-1xM16x1,5 |
| Contact screw thread | M4 | Cable gland | 3 plugs |

$I_A/I_N$ = locked rotor current / current nominal
$M_A/M_N$ = locked rotor torque / torque nominal
$M_K/M_N$ = break down torque / nominal torque

1) $L_{10mh}$ according to DIN ISO 281 10/2010
2) at rated power / at full load
3) Value is valid only for DOL operation with motor design IC411



| Responsible department | Technical reference | Created by | Approved by | *Technical data are subject to change! There may be discrepancies between calculated and rating plate values.* | Link documents |
|---|---|---|---|---|---|
| IN LVM | | SPC | Created automatically | | |

INNOMOTICS

| Document type | Document status |
|---|---|
| Technical data sheet | Released |
| **Document title** | **Document number** |
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Branding disclaimer applies

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**Motor type : 1AV2132B** **INNOMOTICS GP - 132 M - IM B3 - 4p**

## Special design

| | | | |
|---|---|---|---|
| D22 | Motor without CE character for export outside the EEA (see EU regulation 2019/1781) | G11 | Rotary pulse encoder Sendix 5020 (HTL) |