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

**Motor type : 1CV3205A** **INNOMOTICS SD - 200 L - IM B3 - 2p**

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

Remarks

## Electrical data

**Safe Area**

| 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) | | | | | | | | | | | | | | | | | |
| 400 | Δ | 50 | 37.00 | -/- | 65.00 | 2955 | 120.0 | 93.7 | 94.2 | 94.0 | 0.88 | 0.85 | 0.78 | 7.1 | 2.5 | 3.2 | IE3 |
| 690 | Y | 50 | 37.00 | -/- | 37.50 | 2955 | 120.0 | 93.7 | 94.2 | 94.0 | 0.88 | 0.85 | 0.78 | 7.1 | 2.5 | 3.2 | IE3 |
| 460 | Δ | 60 | 41.50 | -/- | 63.00 | 3555 | 111.0 | 93.0 | 93.3 | 92.9 | 0.89 | 0.87 | 0.80 | 7.1 | 2.5 | 3.2 | IE2 |
| 460 | Δ | 60 | 37.00 | -/- | 57.00 | 3560 | 99.0 | 93.0 | 93.1 | 92.3 | 0.88 | 0.85 | 0.77 | 7.6 | 2.7 | 3.3 | IE3 |

| IM B3 / IM 1001 | | FS 200 L | | IP55 | UKCA | IEC/EN 60034 | IEC, DIN, ISO, VDE, EN | | | |
|---|---|---|---|---|---|---|---|---|---|---|

| Environmental conditions : -20 °C - +40 °C / 1000 m | Locked rotor time (hot / cold) : 27.70 s \| 46.80 s |
|---|---|

## Mechanical data

| | | |
|---|---|---|
| Sound level (SPL / SWL) at 50Hz\|60Hz | 67.0 / 80.0 dB(A) 2) 3) | 77.0 / 84.0 dB(A) 2) 3) |
| Moment of inertia | 0.1580 kg m² | |
| Bearing DE \| NDE | 6212 2Z C3 | 6212 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 | Locating bearing NDE | |
| Condensate drainage holes | With (standard) | |
| External earthing terminal | With (standard) | |

| | |
|---|---|
| Vibration severity grade | A |
| Thermal class | F |
| Duty type | S1 |
| Direction of rotation | bidirectional |
| Frame material | cast iron |
| Net weight of the motor (IM B3) | 245 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 |
| Carbon footprint (without options) | 987kg |

## Terminal box

| | |
|---|---|
| Terminal box position | top |
| Material of terminal box | cast iron |
| Type of terminal box | TB1 L01 |
| Contact screw thread | 6xM6 |
| Max. cross-sectional area | 25.0 mm² |

| | |
|---|---|
| Main cable entry | 2xM50x1.5 |
| Main cable gland | 2 plugs |
| Auxiliary cable entry | 1xM20x1.5 |
| Auxiliary cable gland | 1 plug |

$I_A/I_N$ = 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 LV | | IPC | | | |

INNOMOTICS

| Document type | Document status |
|---|---|
| Technical data sheet | Released |
| **Document title** | **Document number** |
| **1LE1503-2AA53-4AB4** | TDS-260417-111457 |

| Restricted | Revision | Creation date | Language | Page |
|---|---|---|---|---|
|  | AA | 2026-04-17 | en | 1/1 |