SIEMENS

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

**MLFB-Ordering data:** **1LE7501-1CB23-5JA4**

**Frame size:** **132M**

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

| U [V]±10% | Δ / Y | f [Hz]±5% | P [kW] | I [A] | n [1/min] | M [kgf.m] | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 415 | Δ | 50 | 7.50 | 15.00 | 1455 | 5.0 | 49.0 | 88.7 | 88.7 | 87.7 | 0.79 | 0.73 | 0.60 | 7.0 | 2.6 | 2.5 | IE2 |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

Data subject to tolerance as per IS 12615 / IEC 60034-1 | SF: 1.00 | *sinusoidal feed

Environmental conditions : -20 °C to +50 °C / 1000.0 m | locked rotor withstand time (hot / cold) : 10.0 s / 18.0 s

### Mechanical data

| | | | |
|---|---|---|---|
| Sound pressure level 50Hz \| 60Hz | | 67 dB(A) | 70 dB(A) |
| Type of construction | | IM B35 / IM 2001 | |
| Bearing DE \| NDE | | 6208 2ZC3 | 6208 2ZC3 |
| Type of bearing | | Locating (fixed) bearing, NDE | |
| Lubricants | | Esso Unirex N3 | |
| Regreasing device | | - / - | |
| Grease nipple | | - / - | |
| Bearing lifetime | | 50000 h | |
| Degree of protection | | IP55 | |
| External earthing terminal | | Yes (standard) | |
| Vibration severity grade | | A (Standard) | |
| Insulation | | 155(F) utilized to 130(B) | |
| Duty type | | S1 | |
| Direction of rotation | | Bidirectional | |
| Frame material | | Cast iron | |
| Data of anti condensation heating | | -/- | |
| Coating (paint finish) | | Standard paint finish | |
| Color, paint shade | | RAL7030 | |
| Motor protection | | (A) without | |
| Method of cooling | | IC411 - Self ventilated, surface cooled | |
| Forced ventilation motor details | | - / - | |
| Weight in kg, without optional accessories | | 70 kg | |
| Rotor weight in kg | | 15,9 kg | |
| Moment of inertia | Rotor GD² | 0.02647 kg m² | 0.10588 kgf.m² |

### Terminal box

| | |
|---|---|
| Terminal box position | Top |
| Material of terminal box | Aluminium |
| Type of terminal box | TB1 H04 |
| Contact screw thread | M5 |
| Max. cross-sectional area | 16.0 mm² |
| Cable diameter from ... to ... | 11.0 mm - 21.0 mm |
| Cable entry | 2xM32x1,5 |
| Cable gland | 2 Plugs |

**Notes**

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

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

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