



MLFB-Ordering data: **1LE7503-0EB42-3AA4**

Frame size: **90L**

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 [%] * | | | Power factor at ... load * | | | I _A /I _N I _L /I _N | M _A /M _N T _L /T _N | M _B /M _N T _B /T _N | IE-CL |
|--------------|-----|--------------|-----------|----------|--------------|--------------|-----------|----------------------------|------|------|----------------------------|------|------|--|--|--|-------|
| | | | | | | | | 4/4 | 3/4 | 2/4 | 4/4 | 3/4 | 2/4 | | | | |
| 415 | Y | 50 | 1.50 | 3.10 | 1423 | 1.0 | 10.1 | 85.3 | 85.3 | 82.0 | 0.79 | 0.71 | 0.57 | 6.5 | 3.0 | 3.7 | IE3 |

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) : 12.0 s / 18.0 s

| Mechanical data | | Terminal box | |
|--|---|--------------------------------|---------------------|
| Sound pressure level 50Hz 60Hz | 62 dB(A) 65 dB(A) | Terminal box position | Top |
| Type of construction | IM B3 / IM 1001 | Material of terminal box | Aluminium |
| Bearing DE NDE | 6205 2ZC3 6204 2ZC3 | Type of terminal box | TB1 E04 |
| Type of bearing | Locating (fixed) bearing, NDE | Contact screw thread | M4 |
| Lubricants | Esso Unirex N3 | Max. cross-sectional area | 6.0 mm ² |
| Regreasing device | - / - | Cable diameter from ... to ... | 4.5 mm - 10.0 mm |
| Grease nipple | - / - | Cable entry | 1xM16x1,5+1xM25x1,5 |
| Bearing lifetime | 50000 h | Cable gland | 2 Plugs |
| 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 | 28 kg | | |
| Rotor weight in kg | 5 kg | | |
| Moment of inertia | Rotor GD ² 0.00365 kg m ² 0.0146 kgf.m ² | | |

Notes

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