



MLFB-Ordering data: **1LE7501-0EB42-3KA4**

Frame size: **90L**

Client order no.:

Item no.:

Order no.:

Consignment no.:

Offer no.:

Project:

Remarks:

| U<br>[V]±10% | Δ/Y | f<br>[Hz]±5% | P<br>[kW] | I<br>[A] | n<br>[1/min] | M<br>[kgf.m] | M<br>[Nm] | NOM. EFF at ... load [%] * |      |      | Power factor at ... load * |      |      | $I_A/I_N$<br>$I_L/I_N$ | $M_A/M_N$<br>$T_L/T_N$ | $M_B/M_N$<br>$T_B/T_N$ | IE-CL |
|--------------|-----|--------------|-----------|----------|--------------|--------------|-----------|----------------------------|------|------|----------------------------|------|------|------------------------|------------------------|------------------------|-------|
|              |     |              |           |          |              |              |           | 4/4                        | 3/4  | 2/4  | 4/4                        | 3/4  | 2/4  |                        |                        |                        |       |
| 415          | Y   | 50           | 1.50      | 3.20     | 1431         | 1.0          | 10.0      | 83.5                       | 83.5 | 82.9 | 0.79                       | 0.71 | 0.58 | 6.0                    | 2.8                    | 3.1                    | 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) : 11.0 s / 16.0 s

| Mechanical data                            |  | Terminal box                   |                     |
|--|--|--------------------------------|---------------------|
| Sound pressure level 50Hz   60Hz           | 62 dB(A)   65 dB(A)  | Terminal box position          | Top                 |
| Type of construction                       | IM B14 / IM 3601   | 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 <sup>2</sup> |
| 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 | 24 kg  |                                |                     |
| Rotor weight in kg                         | 4,8 kg   |                                |                     |
| Moment of inertia                          | Rotor GD <sup>2</sup> 0.0033 kg m <sup>2</sup>   0.0132 kgf.m <sup>2</sup> |                                |                     |

### 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