



MLFB-Ordering data: **1LE7501-2DA03-5AA4**

Frame size: **280S**

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 <sub>A</sub> /I <sub>N</sub><br>I <sub>L</sub> /I <sub>N</sub> | M <sub>A</sub> /M <sub>N</sub><br>T <sub>r</sub> /T <sub>N</sub> | M <sub>L</sub> /M <sub>N</sub><br>T <sub>B</sub> /T <sub>N</sub> | IE-CL |
|---|-----|--------------|-----------|----------|--------------|--------------|-----------|--|------|------|----------------------------|------|------|--|--|--|-------|
|   |     |              |           |          |              |              |           | 4/4  | 3/4  | 2/4  | 4/4                        | 3/4  | 2/4  |  |  |  |       |
| 415   | Δ   | 50           | 75.00     | 128.00   | 2973         | 25.0         | 241.0     | 93.8   | 93.8 | 92.5 | 0.87                       | 0.85 | 0.78 | 6.5  | 2.6  | 3.0  | 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 / 30.0 s |      |      |                            |      |      |  |  |  |       |

| Mechanical data                            |   |  | Terminal box                   |                       |
|--|---|--|--------------------------------|-----------------------|
| Sound pressure level 50Hz   60Hz           | 84 dB(A)                                | 89 dB(A)   | Terminal box position          | Top                   |
| Type of construction                       | IM B3 / IM 1001                         |  | Material of terminal box       | Cast iron             |
| Bearing DE   NDE                           | 6315 C3                                 | 6315 C3  | Type of terminal box           | TB1 N01               |
| Type of bearing                            | Locating (fixed) bearing, NDE           |  | Contact screw thread           | M10                   |
| Lubricants                                 | Esso Unirex N3                          |  | Max. cross-sectional area      | 120.0 mm <sup>2</sup> |
| Regreasing device                          | Yes (standard)                          |  | Cable diameter from ... to ... | 34.0 mm - 42.0 mm     |
| Grease nipple                              | M10x1 DIN 3404 A                        |  | Cable entry                    | 2xM63x1,5             |
| Relubrication interval/quantity (AS BS)    | 25 g   25 g<br>4000 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 | 505 kg                                  |  |                                |                       |
| Rotor weight in kg                         | 120,8 kg                                |  |                                |                       |
| Moment of inertia                          | Rotor GD <sup>2</sup>                   | 0.77173 kg m <sup>2</sup>   3.08692 kgf.m <sup>2</sup> |                                |                       |

### Notes

I<sub>A</sub>/I<sub>N</sub> = locked rotor current / nominal current      M<sub>L</sub>/M<sub>N</sub> = break down torque / nominal torque  
M<sub>A</sub>/M<sub>N</sub> = locked rotor torque / nominal torque