



MLFB-Ordering data: 1LE7501-1CB03-5JA4

Frame size: 132S

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project:

| 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> | M <sub>A</sub> /M <sub>N</sub> | M <sub>k</sub> /M <sub>N</sub> | IE-CL |
|--------------|-----|--------------|-----------|----------|--------------|--------------|-----------|----------------------------|------|------|----------------------------|------|------|--------------------------------|--------------------------------|--------------------------------|-------|
|              |     |              |           |          |              |              |           | 4/4                        | 3/4  | 2/4  | 4/4                        | 3/4  | 2/4  | I <sub>A</sub> /I <sub>N</sub> | T <sub>f</sub> /T <sub>N</sub> | T <sub>B</sub> /T <sub>N</sub> |       |
| 415          | Δ   | 50           | 5.50      | 11.00    | 1450         | 4.0          | 36.0      | 87.7                       | 87.7 | 86.7 | 0.79                       | 0.72 | 0.59 | 6.8                            | 2.4                            | 2.8                            | 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                            |                                         |                          | Terminal box                   |                      |
|--------------------------------------------|-----------------------------------------|--------------------------|--------------------------------|----------------------|
| Sound pressure level 50Hz   60Hz           | 67 dB(A)                                | 70 dB(A)                 | Terminal box position          | Top                  |
| Type of construction                       | IM B35 / IM 2001                        |                          | Material of terminal box       | Aluminium            |
| Bearing DE   NDE                           | 6208 2ZC3                               | 6208 2ZC3                | Type of terminal box           | TB1 H04              |
| Type of bearing                            | Locating (fixed) bearing, NDE           |                          | Contact screw thread           | M5                   |
| Lubricants                                 | Esso Unirex N3                          |                          | Max. cross-sectional area      | 16.0 mm <sup>2</sup> |
| Regreasing device                          | - / -                                   |                          | Cable diameter from ... to ... | 11.0 mm - 21.0 mm    |
| Grease nipple                              | - / -                                   |                          | Cable entry                    | 2xM32x1,5            |
| 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 | 68 kg                                   |                          |                                |                      |
| Rotor weight in kg                         | 13,1 kg                                 |                          |                                |                      |
| Moment of inertia                          | Rotor GD <sup>2</sup>                   | 0.0198 kg m <sup>2</sup> | 0.0792 kgf.m <sup>2</sup>      |                      |

| Notes                                                                   |                                                                     |  |  |
|-------------------------------------------------------------------------|---------------------------------------------------------------------|--|--|
| I <sub>A</sub> /I <sub>N</sub> = locked rotor current / nominal current | M <sub>k</sub> /M <sub>N</sub> = break down torque / nominal torque |  |  |
| M <sub>A</sub> /M <sub>N</sub> = locked rotor torque / nominal torque   |                                                                     |  |  |