



LAKSHMI ELECTRICAL DRIVES PRIVATE LIMITED.,

Coimbatore - 641 004.

TECHNICAL DATA SHEET - 3.7 kW 2 POLE INDUCTION MOTOR

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|----|-------------------------------------|--------------------------|
| 1 | Customer : | - |
| 2 | Product no : | LE10025007 |
| 3 | Output power (kW) | 3.7 |
| 4 | Output power (HP) | 5 |
| 5 | Phase | 3 |
| 6 | Polarity | 2 |
| 7 | Frame | 100L |
| 8 | Voltage (V) | 415±10% |
| 9 | Frequency & it's variation (Hz) | 50±5% |
| 10 | Connection | STAR |
| 11 | Insulation class | F |
| 12 | Ambient temp (Deg. C) | 50 |
| 13 | Duty | S1 |
| 14 | Mounting | B5 |
| 15 | Aplicable code | IS12615/IEC 60034-1 |
| 16 | Type reference | Sq.Cage Induction motor |
| 17 | Full Load Current (Amps) | 8 |
| 18 | Full Load Torque -(Nm) | 12.44 |
| 19 | Full Load Speed (rpm) | 2840 |
| 20 | Starting Current as % of FLC | 650 |
| 21 | Starting Torque as % of FLT | 200 |
| 22 | Brake down or Pull out Torque % FLT | 260 |
| 23 | %Efficiency at 100% | 85.5 (IE2) |
| 24 | at 75% | 85.5 |
| 25 | at 50% | 84 |
| 26 | Power factor at 100% | 0.86 |
| 27 | at 75% | 0.83 |
| 28 | at 50% | 0.76 |
| 29 | Temperature Rise | B CLASS LIMIT |
| 30 | Service Factor | 1.2 |
| 31 | Moment of Inertia | 0.0134 |
| 32 | Direction of Rotation | Bidirectional |
| 33 | Coupling/Pulley | Direct/Flexible |
| 34 | Method of Cooling | IC411 |
| 35 | Enclosure | TEFC |
| 36 | Protection | IP55 |
| 37 | Bearing type | Deep Groove Ball Bearing |
| 38 | Bearing no. DE/NDE | 6206 2RS / 6206 2RS |
| 39 | Paint/Coating | RAL 7032 |
| 40 | Material of Construction | Aluminium |
| 41 | Shaft Material | EN8 |
| 42 | Relative Humidity | <90 |
| 43 | Terminal box position | TOP |
| 44 | No of terminals | 3 |
| 45 | Working Altitude level. | 1000 MT |
| 46 | Additional Requirement | As per customer request |

Efficiency Values are without seals.

Performance Data subject to tolerance as per IS:12615:2018