

LAKSHMI ELECTRICAL DRIVES PRIVATE LIMITED.,

Coimbatore - 641 004.

TECHNICAL DATA SHEET - 0.75 kW 4 POLE INDUCTION MOTOR

Customer:	TECHNICAL DATA SHEET - 0.75 KW 4 POLE INDUCTION MOTOR			
Output power (kW)	1	Customer:		
Comparison of	2	Product no:	LEH08045002	
4	3	Output power (kW)	0.75	
5 Phase 3 6 Polarity 4 7 Frame 80 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 Applicable code IS12615/IEC 60034-1 16 Type reference Sq. Cage Induction motor 17 Full Load Current (Amps) 2.2 18 Full Load Torque -(Nm) 5.19 19 Full Load Speed (fym) 1410 20 Starting Torque as % of FLC 650 21 Starting Torque as % of FLT 220 22 Brask down or Pull-out Torque & FLT 260 23 %Efficiency at 100% 82.5(IE3) 24 at 75% 81.2 25 at 50% 79 26	4	,	1	
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7 Frame				
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 Applicable code IS12615/IEC 60034-1 16 Type reference Sq. Cage Induction motor 17 Full Load Torque -(Nm) 5.19 19 Full Load Torque -(Nm) 1410 20 Starting Current as % of FLC 650 21 Starting Torque as % of FLT 220 22 Break down or Pull-out Torque % FLT 260 23 %Efficiency at 100% 82.5(IE3) 24 at 75% 81.2 25 at 50% 79 26 Power factor at 100% 0.74 27 at 75% 0.69 28 at 50% 0.61 29 Temperature Rise B CLASS LIMIT 31 Moment of Inertia 0.0108 32 Direction of Rotation Bidirectional 33 Coupling/Pulley Direct/Flexible IC411 35 Enclosure TEFC 36 Protection IP55 37 Bearing type Deep Groove Ball Bearing 38 Bearing no. DE/NDE 624 RAL 7046 Autminium Hall 1984 44 Relative Humidity 90 45 Power factor at 100% 1000 46 Power factor at 100% 1000 47 Autminium 1000 48 Bidirectional 1000 49 Temperature Rise B CLASS LIMIT 1000 40 Material Cooling IC411 41 FFC 42 Bearing type Deep Groove Ball Bearing RAL 7046 44 No of terminals 1000 MT 45 Relative Humidity 90 46 Relative Humidity 90 47 Terminal box position TOP 48 Reficiency Values are without seals.			80	
10	8	Voltage (V)	415±10%	
11	9	Frequency & it's variation (Hz)	50±5%	
12	10	Connection	STAR	
13	11	Insulation class	F	
14 Mounting B5 Applicable code IS12615/IEC 60034-1 15 Applicable code IS12615/IEC 60034-1 16 Type reference Sq. Cage Induction motor 17 Full Load Current (Amps) 2.2 18 Full Load Torque -(Nm) 5.19 19 Full Load Speed (rpm) 1410 20 Starting Current as % of FLC 650 21 Starting Torque as % of FLT 220 22 Break down or Pull-out Torque % FLT 260 23 %Efficiency at 100% 82.5(IE3) 24 at 75% 81.2 25 at 50% 79 26 Power factor at 100% 0.74 27 at 75% 0.69 28 at 50% 0.61 29 Temperature Rise B CLASS LIMIT 31 Moment of Inertia 0.0108 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 type Deep Groove Ball Bearing 39 Paint/Coating RAL 7046 40 Material of Construction Aluminium 41 Shaft Material EN8 42 Relative Humidity <90 44 No of terminals 3 45 Working Altitude level. 1000 MT 46 Additional Requirement As per customer request	12	Ambient temp (Deg. C)	50	
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