



# LAKSHMI ELECTRICAL DRIVES PRIVATE LIMITED.,

Coimbatore - 641 004.

## TECHNICAL DATA SHEET - 1.1 kW 2 POLE INDUCTION MOTOR

1	<b>Customer:</b>	
2	<b>Product no:</b>	LEH08023002
3	Output power (kW)	1.1
4	Output power (HP)	1.5
5	Phase	3
6	Polarity	2
7	Frame	80F
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	B3
15	Applicable code	IS12615/IEC 60034-1
16	Type reference	Sq. Cage Induction motor
17	Full Load Current (Amps)	2.8
18	Full Load Torque -(Nm)	3.76
19	Full Load Speed (rpm)	2850
20	Starting Current as % of FLC	700
21	Starting Torque as % of FLT	200
22	Break down or Pull-out Torque % FLT	260
23	%Efficiency at 100%	82.7 (IE3)
24	at 75%	82.7
25	at 50%	81.7
26	Power factor at 100%	0.82
27	at 75%	0.78
28	at 50%	0.72
29	Temperature Rise	B CLASS LIMIT
30	Service Factor	1
31	Moment of Inertia	0.0115
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	6204 2RS C3 / 6204 2RS C3
39	Paint/Coating	RAL 7046
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 requirement

Efficiency Values are without seals.

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