



LAKSHMI ELECTRICAL DRIVES PRIVATE LIMITED.,

Coimbatore - 641 004.

TECHNICAL DATA SHEET - 45 kW 4 POLE INDUCTION MOTOR

1	Customer :	
2	Product no :	LE22543002
3	Output power (kW)	45
4	Output power (HP)	60
5	Phase	3
6	Polarity	4
7	Frame	225M
8	Voltage (V)	415±10%
9	Frequency & it's variation (Hz)	50±5%
10	Connection	DELTA
11	Insulation class	F
12	Ambient temp (Deg. C)	50
13	Duty	S1
14	Mounting	B3
15	Appllicable code	IS12615/IEC 60034-1
16	Type reference	Sq.Cage Induction motor
17	Full Load Current (Amps)	76
18	Full Load Torque -(Nm)	292.31
19	Full Load Speed (rpm)	1460
20	Starting Current as % of FLC	700
21	Starting Torque as % of FLT	200
22	Brake down or Pull out Torque % FLT	280
23	%Efficiency at 100%	93.1 (IE2)
24	at 75%	93.1
25	at 50%	92.6
26	Power factor at 100%	0.88
27	at 75%	0.86
28	at 50%	0.8
29	Temperature Rise	B CLASS LIMIT
30	Service Factor	1
31	Moment of Inertia	1.84
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	6313ZZC3 /6312ZZC3
39	Paint/Coating	RAL 7032
40	Material of Construction	CI FG200
41	Shaft Material	EN8
42	Relative Humidity	<90
43	Terminal box position	TOP
44	No of terminals	6
45	Working Altitude level.	1000 MT
46	Additonal Requirement	As per customer requirement

Efficiency Values are without seals.

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