

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel 00022 Single-Phase Product code : 13824018
Catalog # : 00158ES1RFD145T-S

Frame	: 143/5T				Locked rotor time	: 14s (cold) 8s (hot)
Output	: 1.5 HP (1.1 kW)				Temperature rise	: 80 K
Poles	: 4				Duty cycle	: Cont.(S1)
Frequency	: 60 Hz				Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/230 V				Altitude	: 1000 m.a.s.l.
Rated current	: 15.0/7.48 A				Protection degree	: IP55
L. R. Amperes	: 120/59.8 A				Cooling method	: IC411 - TEFC
LRC	: 8.0x(Code L)				Mounting	: F-1
No load current	: 7.20/3.60 A				Rotation ¹	: Both (CW and CCW)
Rated speed	: 1745 rpm				Noise level ²	: 54.0 dB(A)
Slip	: 3.06 %				Starting method	: Direct On Line
Rated torque	: 4.45 ft.lb					
Locked rotor torque	: 250 %					
Breakdown torque	: 270 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.1426 sq.ft.lb					
Design	: L					
Output	25%	50%	75%	100%		
Efficiency (%)	67.0	69.0	75.0	77.0		
Power Factor	0.43	0.68	0.78	0.83		

Notes

This revision replaces and cancel the previous one, which must be eliminated.

(1) Looking the motor from the shaft end.

(2) Measured at 1m and with tolerance of +3dB(A).

(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page Revision 1 /		
Checked by				
Date	23/01/2018			