

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 00022 Single-Phase

Product code : 14672458
Catalog # : 00218ES1RFD182T-W22

Frame	: 182/4T	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 2 HP (1.5 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	: 16.8/8.40 A	Protection degree	: IP55
L. R. Amperes	: 124/62.2 A	Cooling method	: IC411 - TEFC
LRC	: 7.4x(Code J)	Mounting	: F-1
No load current	: 4.50/2.25 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1740 rpm	Noise level ²	: 60.0 dB(A)
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 6.04 ft.lb	Approx. weight ³	: 97.2 lb
Locked rotor torque	: 290 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.2957 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	66.0	69.0	76.5	80.0	Max. traction	: 40 lb
Power Factor	0.71	0.96	0.97	0.97	Max. compression	: 137 lb

	Drive end	Non drive end
Bearing type	: 6207 2RS	: 6206 2RS
Sealing	: V'Ring	: V'Ring
Lubrication interval	: -	: -
Lubricant amount	: -	: -
Lubricant type	Mobil Polyrex EM	

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).
- (3) Approximate weight subject to changes after manufacturing process.
- (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 1 / 1		
Checked by				
Date	26/03/2024			
		Revision		