

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line	: W22 Single-Phase				Product code :	14174493
					Catalog # :	00336ES1E182T-W22
Frame	: 182/4T	Locked rotor time	: 16s (cold) 9s (hot)			
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K			
Poles	: 2	Duty cycle	: Cont.(S1)			
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 13.5-12.2/6.12 A	Protection degree	: IP55			
L. R. Amperes	: 104-94.2/47.1 A	Cooling method	: IC411 - TEFC			
LRC	: 7.7x(Code J)	Mounting	: F-1			
No load current	: 3.45-4.00/2.00 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 3520 rpm	Noise level ²	: 72.0 dB(A)			
Slip	: 2.22 %	Starting method	: Direct On Line			
Rated torque	: 4.48 ft.lb	Approx. weight ³	: 94.5 lb			
Locked rotor torque	: 250 %					
Breakdown torque	: 260 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.1571 sq.ft.lb					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	78.8	80.0	83.0	84.0	Max. traction	: 27 lb
Power Factor	0.62	0.92	0.93	0.93	Max. compression	: 121 lb
					Drive end	Non drive end
Bearing type	:	6207 ZZ	6206 ZZ			
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						
Checked by						
Date	28/03/2024				Page	Revision
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