

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Single-Phase

Product code : 13671536
Catalog # : 00152ES1E182T-W22

Frame	: 182/4T	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K
Poles	: 6	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	: 8.50-8.92/4.46 A	Protection degree	: IP55
L. R. Amperes	: 69.7-73.1/36.6 A	Cooling method	: IC411 - TEFC
LRC	: 8.2x(Code N)	Mounting	: F-1
No load current	: 5.26-6.10/3.05 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1185 rpm	Noise level ²	: 60.0 dB(A)
Slip	: 1.25 %	Starting method	: Direct On Line
Rated torque	: 6.65 ft.lb	Approx. weight ³	: 108 lb
Locked rotor torque	: 250 %		
Breakdown torque	: 320 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.5622 sq.ft.lb		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	59.5	68.0	72.5	Max. traction	: 82 lb
Power Factor	0.59	0.68	0.74	Max. compression	: 190 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			
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