

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line	: W22 Single-Phase			Product code :	14103294
				Catalog # :	00518ES1E184T-W22
Frame	: 182/4T	Locked rotor time	: 12s (cold) 7s (hot)		
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K		
Poles	: 4	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	: 23.0-21.4/10.7 A	Protection degree	: IP55		
L. R. Amperes	: 150-139/69.5 A	Cooling method	: IC411 - TEFC		
LRC	: 6.5x(Code H)	Mounting	: F-1		
No load current	: 6.90-8.00/4.00 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1730 rpm	Noise level ²	: 60.0 dB(A)		
Slip	: 3.89 %	Starting method	: Direct On Line		
Rated torque	: 15.2 ft.lb	Approx. weight ³	: 117 lb		
Locked rotor torque	: 330 %				
Breakdown torque	: 235 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.4357 sq.ft.lb				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	72.5	78.5	80.0	Max. traction	: 169 lb
Power Factor	0.89	0.93	0.94	Max. compression	: 286 lb
Bearing type	:	Drive end		Non drive end	
Sealing	:	6207 ZZ		6206 ZZ	
Lubrication interval	:	V'Ring		V'Ring	
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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