

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line	: W22 Single-Phase				Product code :	14174625					
					Catalog # :	00518ES1C184T-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 V	Altitude	: 1000 m.a.s.l.								
Rated current	: 23.0-21.4 A	Protection degree	: IP55								
L. R. Amperes	: 150-139 A	Cooling method	: IC411 - TEFC								
LRC	: 6.5x(Code H)	Mounting	: F-1								
No load current	: 6.90-8.00 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	: 360 %										
Breakdown torque	: 235 %										
Insulation class	: F										
Service factor	: 1.15										
Moment of inertia (J)	: 0.4357 sq.ft.lb										
Output	25%	50%	75%	100%	Foundation loads						
Efficiency (%)	70.8	72.5	78.5	80.0	Max. traction	: 169 lb					
Power Factor	0.59	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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