

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Frame	: 56C	Locked rotor time	: 18 s (hot) 32 s (cold)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 115/230 V	Altitude	: 3280 ft
Rated current	: 5.28/2.64 A	Protection degree	: IP55
L. R. Amperes	: 31.7/15.8 A	Cooling method	: IC411 - TEFC
LRC	: 6.0 Code J	Mounting	: F-1/B14R(D)
No load current	: 2.80/1.40 A	Rotation ¹	: Both
Rated speed	: 1170 rpm	Noise level ²	: 54.0 dB(A)
Slip	: 2.50 %	Vibration class	: A
Rated torque	: 2.24 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 200.0 %	Approx. weight ³	: 41.3 lb
Pull up torque	: 170.0 %	Painting plan	: 207N
Breakdown torque	: 200.0 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: N
Service factor	: 1.15		
Moment of inertia (J)	: 0.1780 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	61.0	70.0	76.2
Power Factor	0.68	0.76	0.80

Load type	: -
Load torque	: -
Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end
Bearing type	6203-ZZ	6202-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	: -
Max. compression	: -

Notes
See notes on page 2.

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 be changed after manufacturing process.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

Rev.	Changes Summary		Rev.	Checked	Date
Performed by	farazq		1855475729		
Checked by	AUTOMATICO		Page	Rev.	
Date	01/06/2026		1 / 2	0	

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature
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Notes

Standards	Specification	: MG1 - Part 10	Vibration	: MG1 - Part 7	
	Test	: MG1 - Part 12	Tolerance	: MG1 - Part 12	
	Noise	: MG1 - Part 9			
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