

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Frame	: 56J	Locked rotor time	: 10 s (hot) 18 s (cold)
Output	: 5 HP (3.7 kW)	Temperature rise	: 105 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 575 V	Altitude	: 3280 ft
Rated current	: 4.99 A	Protection degree	: IP21
L. R. Amperes	: 49.9 A	Cooling method	: IC01 - ODP
LRC	: 10.0 Code L	Mounting	: F-1/B34R(D)
No load current	: 2.10 A	Rotation ¹	: Counter clockwise
Rated speed	: 3500 rpm	Noise level ²	: 57.0 dB(A)
Slip	: 2.78 %	Vibration class	: A
Rated torque	: 7.52 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 390.0 %	Approx. weight ³	: 54.0 lb
Pull up torque	: 330.0 %	Painting plan	: 207N
Breakdown torque	: 380.0 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: A
Service factor	: 1.15		
Moment of inertia (J)	: 0.1376 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	82.0	85.5	86.5	Load torque	: -
Power Factor	0.68	0.80	0.86	Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end	Foundation loads
Bearing type #1	6204-2RS	6202-2RS	Max. traction
Bearing type #2	-	-	Max. compression
Lubrication interval	-	-	
Lubricant amount #1	-	-	
Lubricant amount #2	-	-	
Lubricant type	MOBIL POLYREX EM		

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		1866135423		
Checked by	AUTOMATICO		Page	Rev.	
Date	26/06/2026		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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