

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - ODP - Premium Efficiency (DOE) Jet Pump
- Forma J

Frame	: W56J	Locked rotor time	: 9 s (hot) 16 s (cold)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 115/208-230 V	Altitude	: 3280 ft
Rated current	: 4.80/2.65-2.40 A	Protection degree	: IP21
L. R. Amperes	: 3.84/2.12-1.92 A	Cooling method	: IC01 - ODP
LRC	: 0.8	Mounting	: F-1/B34R(D)
No load current	: 1.60/0.690-0.800 A	Rotation ¹	: Counter clockwise
Rated speed	: 3510 rpm	Noise level ²	: 56.0 dB(A)
Slip	: 2.50 %	Vibration class	: A
Rated torque	: 0.738 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 270 %	Approx. weight ³	: 21.5 lb
Pull up torque	: 230 %	Painting plan	: 207N
Breakdown torque	: 300 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: N
Service factor	: 1.15		
Moment of inertia (J)	: 0.0261 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	60.0	68.0	72.4	Load torque	: -
Power Factor	0.90	0.93	0.94	Load inertia (J=GD ² /4)	: -
	Drive end	Non drive end		Foundation loads	
Bearing type #1	6203-2RS	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			1865740396	
Checked by	AUTOMATICO			Page	Rev.
Date	25/06/2026			1 / 2	0

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Thermal protection				
ID	Application	Type	Quantity	Sensing Temperature

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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