

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - ODP - Premium Efficiency (DOE)

Frame	: 48	Locked rotor time	: 15 s (hot) 27 s (cold)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 115/208-230 V	Altitude	: 3280 ft
Rated current	: 4.86/3.04-2.43 A	Protection degree	: IP21
L. R. Amperes	: 37.4/23.4-18.7 A	Cooling method	: IC01 - ODP
LRC	: 7.7	Mounting	: F-1/B3R(D)
No load current	: 2.70/1.16-1.35 A	Rotation ¹	: Both
Rated speed	: 1730 rpm	Noise level ²	: 50.0 dB(A)
Slip	: 3.89 %	Vibration class	: A
Rated torque	: 1.50 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 300 %	Approx. weight ³	: 22.5 lb
Pull up torque	: 255 %	Color	: PRIMER ONLY
Breakdown torque	: 270 %	Design	: N
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0522 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	65.0	73.0	76.2	Load torque	: -
Power Factor	0.72	0.81	0.87	Load inertia (J=GD ² /4)	: -
Bearing type	Drive end 6203-ZZ	Non drive end 6202-ZZ		Foundation loads	
Lubrication interval	-	-		Max. traction	: -
Lubricant amount	-	-		Max. compression	: -
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		1848835542		
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Date	15/05/2026		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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