

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		
Checked by	AUTOMATICO	Page	Rev.	
Date	15/05/2026	1 / 2	0	

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Thermal protection ID

Application

Type

Quantity

Sensing Temperature

Notes

Standards

Specification : MG1 - Part 10
Test : MG1 - Part 12
Noise : MG1 - Part 9

Vibration : MG1 - Part 7
Tolerance : MG1 - Part 12

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