

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Product code : 17009610

Frame	: 56Z	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1/B14R(D)
Duty cycle	: S1	Rotation ¹	: Both
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight ³	: 31.1 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.0831 sq.ft.lb

Output	0.5 HP (0.37 kW)	0.5 HP (0.37 kW)
Poles	4	4
Frequency	60 Hz	50 Hz
Rated voltage	115/208-230 V	110/220 V
Rated current	7.06/3.70-3.53 A	8.09/4.04 A
L. R. Amperes	44.5/21.0-22.2 A	48.5/24.2 A
LRC	6.3 x Code M	6.0 x Code M
No load current	5.50/2.45-2.75 A	6.70/3.35 A
Rated speed	1745 rpm	1450 rpm
Slip	3.06 %	3.33 %
Rated torque	1.50 ft.lb	1.81 ft.lb
Locked rotor torque	400.0 %	360.0 %
Pull up torque	340.0 %	305.0 %
Breakdown torque	290.0 %	270.0 %
Service factor	1.15	1.15
Temperature rise	80 K	80 K
Noise level ²	54.0 dB(A)	54.0 dB(A)
Locked rotor time (hot)	25 s	28 s
Locked rotor time (cold)	45 s	50 s
Efficiency (%)	50%	55.0
	75%	62.5
	100%	68.0
Power Factor	50%	0.48
	75%	0.59
	100%	0.67

Bearing type Lubrication interval Lubricant amount Lubricant type	Drive end 6204-ZZ	Non drive end 6202-ZZ	Foundation loads
	-	-	Max. traction : -
	-	-	Max. compression : -
	MOBIL POLYREX EM		Load type : -
			Load torque : -
			Load inertia (J=GD ² /4) : -

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	1850024729			
Checked by	AUTOMATICO				
Date	19/05/2026				
			Page	Rev.	
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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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