

# 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 <sup>1</sup>	: Both
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight <sup>3</sup>	: 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 <sup>2</sup>	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	50.0
	75%	62.5	56.0
	100%	68.0	64.0
Power Factor	50%	0.48	0.47
	75%	0.59	0.57
	100%	0.67	0.65

Bearing type	Drive end	Non drive end	Foundation loads
	6204-ZZ	6202-ZZ	
Lubrication interval	-	-	Max. compression :-
Lubricant amount	-	-	Load type :-
Lubricant type	MOBIL POLYREX EM		Load torque :-
			Load inertia (J=GD <sup>2</sup> /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		Page	Rev.
Date	19/05/2026		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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