

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Product code : 19074589

Frame	: 56Z	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1/B34R(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	: 33.5 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.0902 sq.ft.lb

Output	0.75 HP (0.55 kW)		0.75 HP (0.55 kW)
Poles	4		4
Frequency	60 Hz		50 Hz
Rated voltage	115/208-230 V		110/220 V
Rated current	7.00/3.75-3.50 A		8.70/4.35 A
L. R. Amperes	51.6/24.6-25.8 A		52.0/27.0 A
LRC	7.5 x Code K		6.1 x Code J
No load current	2.40/1.00-1.25 A		5.20/2.60 A
Rated speed	1745 rpm		1440 rpm
Slip	3.06 %		4.00 %
Rated torque	2.26 ft.lb		2.73 ft.lb
Locked rotor torque	370.0 %		310.0 %
Pull up torque	310.0 %		260.0 %
Breakdown torque	290.0 %		260.0 %
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)	16 s		17 s
Locked rotor time (cold)	28 s		30 s
Efficiency (%)	50%	61.0	55.0
	75%	69.5	60.0
	100%	74.0	68.0
Power Factor	50%	0.89	0.58
	75%	0.92	0.68
	100%	0.94	0.76

		Drive end	Non drive end	Foundation loads
Bearing type		6204-ZZ	6202-ZZ	Max. traction : -
Lubrication interval		-	-	Max. compression : -
Lubricant amount		-	-	Load type : -
Lubricant type		MOBIL POLYREX EM		Load torque : -
				Load inertia (J=GD²/4) : -

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				1847868158
Checked by	AUTOMATICO				Page Rev.
Date	13/05/2026				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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