

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Product code : 17009743

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	: 35.3 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.1092 sq.ft.lb

Output	1 HP (0.75 kW)		1 HP (0.75 kW)
Poles	4		4
Frequency	60 Hz		50 Hz
Rated voltage	115/208-230 V		110/220 V
Rated current	9.29/4.95-4.64 A		11.4/5.70 A
L. R. Amperes	74.3/33.0-37.1 A		72.0/36.0 A
LRC	8.0 x Code K		6.3 x Code J
No load current	3.25/1.30-1.70 A		6.85/3.45 A
Rated speed	1745 rpm		1430 rpm
Slip	3.06 %		4.67 %
Rated torque	3.01 ft.lb		3.67 ft.lb
Locked rotor torque	310.0 %		280.0 %
Pull up torque	260.0 %		235.0 %
Breakdown torque	280.0 %		250.0 %
Service factor	1.15		1.00
Temperature rise	80 K		105 K
Noise level ²	54.0 dB(A)		54.0 dB(A)
Locked rotor time (hot)	18 s		12 s
Locked rotor time (cold)	32 s		21 s
Efficiency (%)	50%	62.0	57.0
	75%	71.0	65.0
	100%	75.5	70.0
Power Factor	50%	0.87	0.60
	75%	0.91	0.65
	100%	0.93	0.75

		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				1850042162
Checked by	AUTOMATICO				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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