

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

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 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		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

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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