

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Product code : 19045385

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	: 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

Bearing type Lubrication interval Lubricant amount Lubricant type	Drive end	Non drive end	Foundation loads
	6204-ZZ	6202-ZZ	Max. traction :-
	-	-	Max. compression :-
	-	-	Load 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		1847869611	
Checked by	AUTOMATICO		Page	Rev.
Date	13/05/2026		1 / 2	0

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Product code : 19045385

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

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	1847869611		
Checked by	AUTOMATICO	Page	Rev.	
Date	13/05/2026	2 / 2	0	