

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEFC - Premium Efficiency (DOE) Product code : 19037927

Frame	: W56C	Locked rotor time	: 11 s (hot) 20 s (cold)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 115/208-230 V	Altitude	: 3280 ft
Rated current	: 4.78/2.64-2.39 A	Protection degree	: IP55
L. R. Amperes	: 40.6/22.4-20.3 A	Cooling method	: IC411 - TEFC
LRC	: 8.5	Mounting	: F-1/B34R(D)
No load current	: 1.40/0.604-0.700 A	Rotation ¹	: Both
Rated speed	: 3510 rpm	Noise level ²	: 66.0 dB(A)
Slip	: 2.50 %	Vibration class	: A
Rated torque	: 0.738 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 260 %	Approx. weight ³	: 21.6 lb
Pull up torque	: 220 %	Painting plan	: 207N
Breakdown torque	: 300 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: N
Service factor	: 1.15		
Moment of inertia (J)	: 0.0285 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	64.0	70.0	74.0	Load torque	: -
Power Factor	0.85	0.88	0.91	Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end	Foundation loads	
Bearing type	6203-ZZ	6202-ZZ	Max. traction	: -
Lubrication interval	-	-	Max. compression	: -
Lubricant amount	-	-		
Lubricant type	MOBIL POLYREX EM			

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			1853823256	
Checked by	AUTOMATICO			Page	Rev.
Date	28/05/2026			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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