

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEFC - Premium Efficiency (DOE) Product code : 14017843

Frame	: W56	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/B3R(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)	: -

Bearing type	Drive end	Non drive end	Foundation loads	
	6203-ZZ	6202-ZZ		
Lubrication interval	-	-	Max. traction	: -
Lubricant amount	-	-	Max. compression	: -
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	1853278373		
	Checked by	AUTOMATICO	Page		Rev.
	Date	27/05/2026	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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