

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - ODP - Premium Efficiency (DOE) Jet Pump
- Forma J Derating

Frame	: W56J	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1/B34R(D)
Duty cycle	: S1	Rotation ¹	: Counter clockwise
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight ³	: 26.1 lb
Protection degree	: IP21	Moment of inertia (J)	: 0.0332 sq.ft.lb
Design	: A		

Output	1.5 HP (1.1 kW)	1.5 HP (1.1 kW)	1.5 HP (1.1 kW)
Poles	2	2	2
Frequency	60 Hz	50 Hz	50 Hz
Rated voltage	230/460 V	190/380 V	220/415 V
Rated current	4.22/2.11 A	4.86/2.43 A	4.51/2.39 A
L. R. Amperes	37.1/18.6 A	38.4/19.2 A	40.1/21.3 A
LRC	8.8	7.9	8.9
No load current	2.40/1.20 A	2.40/1.20 A	2.83/1.50 A
Rated speed	3450 rpm	2815 rpm	2850 rpm
Slip	4.17 %	6.17 %	5.00 %
Rated torque	2.25 ft.lb	2.76 ft.lb	2.73 ft.lb
Locked rotor torque	400 %	390 %	480 %
Pull up torque	340 %	330 %	405 %
Breakdown torque	430 %	310 %	380 %
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Noise level ²	62.0 dB(A)	60.0 dB(A)	60.0 dB(A)
Locked rotor time (hot)	13 s	10 s	9 s
Locked rotor time (cold)	23 s	18 s	16 s
Efficiency (%)	50%	78.5	80.0
	75%	82.5	81.0
	100%	84.0	82.0
Power Factor	50%	0.59	0.65
	75%	0.72	0.77
	100%	0.78	0.84

Bearing type	Drive end 6203-2RS	Non drive end 6202-2RS	Foundation loads
Lubrication interval	-	-	Max. traction : 395 N
Lubricant amount	-	-	Max. compression : 511 N
Lubricant type	MOBIL POLYREX EM		Load type : -
			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	1866112813		
Checked by	AUTOMATICO	Page	Rev.	
Date	26/06/2026	1 / 2	0	

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature
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Notes
USABLE @208V 4.67A SF 1.15 SFA 5.37A

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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