DATA SHEET
Three Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: W01 - TEFC - Premium Efficiency (DOE) Jet Pump - Forma J Derating
Product code	: 19188851

Frame	: 56J	Cooling method	: IC411 - TEFC
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]	: 48.1 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.1661 sq.ft.lb
Design	: B		

Output		3 HP (2.2 kW)	3 HP (2.2 kW)	3 HP (2.2 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		7.34/3.67 A	8.88/4.44 A	7.72/4.09 A
L. R. Amperes		68.3/34.1 A	68.4/34.2 A	69.4/36.8 A
LRC		9.3	7.7	9.0
No load current		3.20/1.60 A	2.66/1.33 A	2.90/1.54 A
Rated speed		3505 rpm	2870 rpm	2895 rpm
Slip		2.64 %	4.33 %	3.50 %
Rated torque		4.43 ft.lb	5.41 ft.lb	5.37 ft.lb
Locked rotor torque		280 %	220 %	260 %
Pull up torque		235 %	185 %	220 %
Breakdown torque		380 %	270 %	330 %
Service factor		1.15	1.15	1.15
Temperature rise		80 K	80 K	80 K
Noise level[2]		68.0 dB(A)	65.0 dB(A)	65.0 dB(A)
Locked rotor time (hot)		10 s	9 s	8 s
Locked rotor time (cold)		18 s	16 s	14 s
Efficiency (%)	50%	81.0	82.0	82.0
	75%	84.0	83.0	84.0
	100%	86.5	84.6	86.0
Power Factor	50%	0.71	0.76	0.70
	75%	0.82	0.85	0.81
	100%	0.87	0.89	0.87

	Drive end	Non drive end
Bearing type	6203-2RS	6202-2RS
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	: 667 N
Max. compression	: 881 N
Load type	: -
Load torque	: -
Load inertia (J=GD²/4)	: -

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		1867015475	
Checked by	AUTOMATICO		Page	Rev.
Date	29/06/2026		1 / 2	0

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature

Notes
USABLE @208V 7.76A SF 1.15 SFA 8.92A

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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