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

Frame	: W56J	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]	: 18.2 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.0190 sq.ft.lb

Output		0.5 HP (0.37 kW)	0.5 HP (0.37 kW)	0.5 HP (0.37 kW)
Poles		2	2	2
Frequency		60 Hz	50 Hz	50 Hz
Rated voltage		208-230/460 V	190/380 V	220/415 V
Rated current		1.73-1.57/0.784 A	1.77/0.885 A	1.58/0.836 A
L. R. Amperes		13.3-12.1/6.04 A	10.3/5.13 A	10.7/5.68 A
LRC		7.7	5.8	6.8
No load current		0.719-0.834/0.417 A	0.816/0.408 A	0.879/0.466 A
Rated speed		3435 rpm	2780 rpm	2825 rpm
Slip		4.58 %	7.33 %	5.83 %
Rated torque		0.752 ft.lb	0.933 ft.lb	0.919 ft.lb
Locked rotor torque		330 %	240 %	300 %
Pull up torque		280 %	200 %	255 %
Breakdown torque		360 %	250 %	310 %
Service factor		1.15	1.15	1.15
Temperature rise		80 K	80 K	80 K
Noise level[2]		65.0 dB(A)	64.0 dB(A)	64.0 dB(A)
Locked rotor time (hot)		18 s	18 s	14 s
Locked rotor time (cold)		32 s	32 s	25 s
Efficiency (%)	50%	68.0	72.0	70.9
	75%	72.0	75.0	75.1
	100%	74.0	74.7	76.0
Power Factor	50%	0.64	0.70	0.63
	75%	0.75	0.81	0.75
	100%	0.80	0.85	0.81

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

Foundation loads	
Max. traction	: 83 N
Max. compression	: 164 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		1866279815	
Checked by	AUTOMATICO		Page	Rev.
Date	26/06/2026		1 / 2	0

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature

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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