DATA SHEET
Three Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: W01 - TEFC - Premium Efficiency (DOE) Derating Product code : 15969411

Frame	: W56C	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1/B14R(D)
Duty cycle	: S1	Rotation¹	: Both
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight³	: 14.6 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.0285 sq.ft.lb

Output		0.25 HP (0.18 kW)	0.25 HP (0.18 kW)	0.25 HP (0.18 kW)
Poles		4	4	4
Frequency		60 Hz	50 Hz	50 Hz
Rated voltage		208-230/460 V	190/380 V	220/415 V
Rated current		1.06-0.936/0.468 A	1.04/0.522 A	0.983/0.521 A
L. R. Amperes		5.96-5.24/2.62 A	4.70/2.35 A	4.82/2.55 A
LRC		5.6	4.5	4.9
No load current		0.650-0.754/0.377 A	0.738/0.369 A	0.813/0.431 A
Rated speed		1740 rpm	1415 rpm	1425 rpm
Slip		3.33 %	5.67 %	5.00 %
Rated torque		0.745 ft.lb	0.919 ft.lb	0.911 ft.lb
Locked rotor torque		240 %	180 %	220 %
Pull up torque		200 %	150 %	185 %
Breakdown torque		320 %	220 %	270 %
Service factor		1.15	1.15	1.15
Temperature rise		80 K	80 K	80 K
Noise level²		50.0 dB(A)	49.0 dB(A)	49.0 dB(A)
Locked rotor time (hot)		28 s	26 s	22 s
Locked rotor time (cold)		50 s	47 s	40 s
Efficiency (%)	50%	59.5	60.3	56.2
	75%	66.0	65.9	63.6
	100%	70.0	67.2	66.7
Power Factor	50%	0.48	0.56	0.50
	75%	0.60	0.69	0.62
	100%	0.69	0.78	0.72

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

Foundation loads	
Max. traction	: 74 N
Max. compression	: 139 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		1858841537	
Checked by	AUTOMATICO		Page	Rev.
Date	10/06/2026		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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