DATA SHEET
Three Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: W01 - TEFC - Nema Premium Efficiency
Product code	: 16002891

Frame	: 254/6TC	Locked rotor time	: 16 s (hot) 29 s (cold)
Output	: 20 HP (15 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 575 V	Altitude	: 3280 ft
Rated current	: 19.8 A	Protection degree	: IP55
L. R. Amperes	: 132 A	Cooling method	: IC411 - TEFC
LRC	: 6.7	Mounting	: F-1/B34R(D)
No load current	: 8.89 A	Rotation[1]	: Both
Rated speed	: 1765 rpm	Noise level[2]	: 68.0 dB(A)
Slip	: 1.94 %	Vibration class	: A
Rated torque	: 58.7 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 270 %	Approx. weight[3]	: 227 lb
Pull up torque	: 230 %	Painting plan	: 207N
Breakdown torque	: 300 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: B
Service factor	: 1.15		
Moment of inertia (J)	: 2.64 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	91.7	92.4	93.0
Power Factor	0.66	0.77	0.82

	Load type	: -
	Load torque	: -
	Load inertia (J=GD²/4)	: -

	Drive end	Non drive end
Bearing type #1	6309-Z-C3	6208-Z-C3
Bearing type #2	-	-
Lubrication interval	20000 h	20000 h
Lubricant amount #1	13 g	8 g
Lubricant amount #2	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	:
Max. compression	:

Notes
See notes on page 2.

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
7.2	5.8	5.4	4.3	3.0	2.3	1.7

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		1860767565	
Checked by	AUTOMATICO		Page	Rev.
Date	15/06/2026		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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