DATA SHEET
Three Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: W01 - ODP - Nema Premium Efficiency - Derating Product code : 13163457

Frame	: 254/6TC	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1/B34R(D)
Duty cycle	: S1	Rotation¹	: Both
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight³	: 213 lb
Protection degree	: IP21	Moment of inertia (J)	: 2.23 sq.ft.lb
Design	: B		

Output		20 HP (15 kW)	20 HP (15 kW)	20 HP (15 kW)
Poles		4	4	4
Frequency		60 Hz	50 Hz	50 Hz
Rated voltage		230/460 V	190/380 V	220/415 V
Rated current		50.0/25.0 A	59.8/29.9 A	53.0/28.1 A
L. R. Amperes		315/158 A	311/155 A	329/174 A
LRC		6.3	5.2	6.2
No load current		22.9/11.4 A	22.4/11.2 A	25.5/13.5 A
Rated speed		1770 rpm	1460 rpm	1465 rpm
Slip		1.67 %	2.67 %	2.33 %
Rated torque		58.5 ft.lb	71.0 ft.lb	70.7 ft.lb
Locked rotor torque		240 %	180 %	220 %
Pull up torque		200 %	150 %	185 %
Breakdown torque		290 %	220 %	270 %
Service factor		1.15	1.15	1.15
Temperature rise		80 K	80 K	80 K
Noise level²		64.0 dB(A)	62.0 dB(A)	62.0 dB(A)
Locked rotor time (hot)		15 s	0 s	0 s
Locked rotor time (cold)		27 s	0 s	0 s
Efficiency (%)	50%	92.4	91.8	90.9
	75%	92.4	91.2	91.3
	100%	93.0	89.7	90.5
Power Factor	50%	0.63	0.72	0.64
	75%	0.74	0.82	0.76
	100%	0.81	0.85	0.82

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

Foundation loads	
Max. traction	:
Max. compression	:
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		1853276219	
Checked by	AUTOMATICO		Page	Rev.
Date	27/05/2026		1 / 2	0

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ID	Thermal protection	Application	Type	Quantity	Sensing Temperature

Notes
USABLE @208V 55.3A SF 1.00 SFA 55.3A

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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