

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEFC - Nema Premium Efficiency

Frame	: 254/6TC	Locked rotor time	: 30 s (hot) 54 s (cold)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 230/460 V	Altitude	: 3280 ft
Rated current	: 27.6/13.8 A	Protection degree	: IP55
L. R. Amperes	: 149/74.5 A	Cooling method	: IC411 - TEFC
LRC	: 5.4	Mounting	: F-1/B34R(D)
No load current	: 14.2/7.12 A	Rotation ¹	: Both
Rated speed	: 1175 rpm	Noise level ²	: 59.0 dB(A)
Slip	: 2.08 %	Vibration class	: A
Rated torque	: 44.1 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 210 %	Approx. weight ³	: 248 lb
Pull up torque	: 185 %	Painting plan	: 207N
Breakdown torque	: 230 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: B
Service factor	: 1.15		
Moment of inertia (J)	: 2.83 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	90.2	91.0	91.0
Power Factor	0.57	0.69	0.75

Load type	: -
Load torque	: -
Load inertia (J=GD ² /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.

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			1858552153	
Checked by	AUTOMATICO			Page	Rev.
Date	09/06/2026			1 / 2	0

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature
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Notes

USABLE @208V 30.5A SF 1.00 SFA 30.5A

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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