

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Product code : 13500619

Frame	: 504/5TZ	Locked rotor time	: 20 s (hot) 36 s (cold)
Output	: 250 HP (185 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 460 V	Altitude	: 3280 ft
Rated current	: 284 A	Protection degree	: IP55
L. R. Amperes	: 2244 A	Cooling method	: IC411 - TEFC
LRC	: 7.9 Code J	Mounting	: F-1
No load current	: 110 A	Rotation ¹	: Both
Rated speed	: 1790 rpm	Noise level ²	: 75.0 dB(A)
Slip	: 0.56 %	Vibration class	: B
Rated torque	: 731 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 250.0 %	Coupling	: Direct
Pull up torque	: 195.0 %	Approx. weight ³	: 2450 lb
Breakdown torque	: 250.0 %	Painting plan	: 203A
Insulation class	: F	Color	: RAL 5009
Service factor	: 1.15	Design	: A
Moment of inertia (J)	: 89.5 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	95.8	96.2	96.2	Load torque	: -
Power Factor	0.72	0.81	0.85	Load inertia (J=GD ² /4)	: -

Bearing type	Drive end NU-322-C3	Non drive end 6316-C3	Foundation loads	
Lubrication interval	4000 h	10000 h	Max. traction	:
Lubricant amount	60 g	34 g	Max. compression	:
Lubricant type	MOBIL POLYREX EM			

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	1853860944		
Checked by	AUTOMATICO	Page	Rev.	
Date	28/05/2026	1 / 2	0	

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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155°C

Notes

Customer information

CSA
Class I, Div 2, Gr A, B, C, D - T3
Class I, Zone 2, IIC - T3
Class II, Div 2, Gr F, G - T3C
For use on PWM: Gr. A, B, C, D, F,
VT 1000:1, CT 20:1, 1.00SF - T3

Standards	Specification	: MG1 - Part 20	Vibration	: MG1 - Part 7
	Test	: MG1 - Part 20	Tolerance	: MG1 - Part 12
	Noise	: MG1 - Part 9		

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