

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W22 - Nema Super Premium

Frame	: 143/5T	Locked rotor time	: 33 s (hot) 59 s (cold)
Output	: 1 HP (0.75 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	: 1.12 A	Protection degree	: IP55
L. R. Amperes	: 10.3 A	Cooling method	: IC411 - TEFC
LRC	: 9.2	Mounting	: F-1
No load current	: 0.640 A	Rotation ¹	: Both
Rated speed	: 1760 rpm	Noise level ²	: 51.0 dB(A)
Slip	: 2.22 %	Vibration class	: A
Rated torque	: 2.94 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 290 %	Coupling	: Direct
Pull up torque	: 245 %	Approx. weight ³	: 53.5 lb
Breakdown torque	: 350 %	Painting plan	: 207A
Insulation class	: F	Color	: RAL 6002
Service factor	: 1.25	Design	: A
Moment of inertia (J)	: 0.1566 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	84.0	86.5	87.5	Load torque	: -
Power Factor	0.59	0.70	0.77	Load inertia (J=GD ² /4)	: -
	Drive end	Non drive end		Foundation loads	
Bearing type #1	6205-ZZ	6204-ZZ		Max. traction	: 280 N
Bearing type #2	-	-		Max. compression	: 518 N
Lubrication interval	-	-			
Lubricant amount #1	-	-			
Lubricant amount #2	-	-			
Lubricant type	POLYUREA BASED GREASE				

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)
13.4	10.4	9.8	8.2	5.4	4.2	3.0

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				
Checked by					
Date	07/07/2026				
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Notes

Customer information
CSA
Class I, Div 2, Gr A, B, C, D, 1.15SF - T3
Class I, Zone 2, IIC, 1.15SF - T3
Class II, Div 2, Gr F, G - T5
For use on PWM: Gr. A, B, C, D, F, G,
VT 1000:1, CT 20:1, 1.00SF - T4A

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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