

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Frame	: 56CZ	Locked rotor time	: 19 s (hot) 34 s (cold)
Output	: 0.5 HP (0.37 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	: 0.789 A	Protection degree	: IP55
L. R. Amperes	: 6.86 A	Cooling method	: IC410 - TENV
LRC	: 8.7 Code P	Mounting	: F-1/B34R(D)
No load current	: 0.608 A	Rotation ¹	: Both
Rated speed	: 1775 rpm	Noise level ²	: -
Slip	: 1.39 %	Vibration class	: A
Rated torque	: 1.48 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 330.0 %	Approx. weight ³	: 27.1 lb
Pull up torque	: 280.0 %	Painting plan	: 207N
Breakdown torque	: 500.0 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: H		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0783 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	74.0	75.5	78.5	Load torque	: -
Power Factor	0.41	0.50	0.60	Load inertia (J=GD ² /4)	: -

Bearing type	Drive end	Non drive end	Foundation loads
	6204-ZZ	6203-ZZ	
Lubrication interval	-	-	Max. traction
Lubricant amount	-	-	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	martint				
Checked by				Page	Rev.
Date	06/03/2026			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

- CSA / UL certified motor with the following characteristics:
- * Variable torque: 1000: 1
- * Constant torque: 10: 1
- Motor suitable for CT 1000:1.

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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