

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%
Efficiency (%)	74.0	75.5	78.5
Power Factor	0.41	0.50	0.60

Load type	: -
Load torque	: -
Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end
Bearing type	6204-ZZ	6203-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
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.

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Performed by	martint			Page 1 / 2 Rev. 0	
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Date	06/03/2026				

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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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