

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Frame	: 143/5TC	Locked rotor time	: 19 s (hot) 34 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	: 230/460 V	Altitude	: 3280 ft
Rated current	: 2.94/1.47 A	Protection degree	: IP66
L. R. Amperes	: 25.3/12.6 A	Cooling method	: IC410 - TENV
LRC	: 8.6 Code M	Mounting	: F-1/B34R(D)
No load current	: 1.78/0.890 A	Rotation ¹	: Both
Rated speed	: 1765 rpm	Noise level ²	: -
Slip	: 1.94 %	Vibration class	: A
Rated torque	: 2.97 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 280.0 %	Approx. weight ³	: 43.6 lb
Pull up torque	: 235.0 %	Color	: NO COLOR
Breakdown torque	: 300.0 %	Design	: B
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1305 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	82.5	84.0	85.5
Power Factor	0.52	0.66	0.75

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

	Drive end	Non drive end
Bearing type #1	6205-2RS	6203-2RS
Bearing type #2	-	-
Lubrication interval	-	-
Lubricant amount #1	-	-
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		1872088542		
Checked by	AUTOMATICO		Page	Rev.	
Date	10/07/2026		1 / 2	0	

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature
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Notes

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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