

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Product code : 13237783

Frame	: 182/4TZ	Cooling method	: IC418 - TEAO
Insulation class	: F	Mounting	: F-3/B3T
Duty cycle	: S1	Rotation ¹	: Counter clockwise
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight ³	: 59.5 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.0000 sq.ft.lb
Design	: B		

Output	3 HP (2.2 kW)	4.5 HP (3.3 kW)	
Poles	2	2	
Frequency	60 Hz	60 Hz	
Rated voltage	208-230/460 V	208-230/460 V	
Rated current	9.45-8.54/4.27 A	12.5-11.3/5.67 A	
L. R. Amperes	104-93.9/47.0 A	105-94.9/47.6 A	
LRC	11.0 x Code N	8.4 x Code K	
No load current	0.000-5.70/2.85 A	0.000-6.80/3.40 A	
Rated speed	3540 rpm	3510 rpm	
Slip	1.67 %	2.50 %	
Rated torque	4.45 ft.lb	6.73 ft.lb	
Locked rotor torque	380.0 %	250.0 %	
Pull up torque	320.0 %	210.0 %	
Breakdown torque	550.0 %	380.0 %	
Service factor	1.00	1.00	
Temperature rise	105 K	105 K	
Locked rotor time (hot)	10 s	10 s	
Locked rotor time (cold)	18 s	18 s	
Efficiency (%)	50%	79.8	83.9
	75%	84.2	86.4
	100%	86.2	86.9
Power Factor	50%	0.53	0.74
	75%	0.66	0.84
	100%	0.75	0.84

Bearing type	Drive end	Non drive end	Foundation loads
	6206-ZZ	6205-ZZ	
Lubrication interval	-	-	Max. compression :
Lubricant amount	-	-	Load type :-
Lubricant type	MOBIL POLYREX EM		Load torque :-
			Load inertia (J=GD ² /4) :-

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	1859380766		
Checked by	AUTOMATICO	Page	Rev.	
Date	11/06/2026	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

Minimum Air flow @ 3.0 HP - 17.9 m/s
Minimum Air flow @ 4.5 HP - 18.4 m/s

Standards	Specification	Vibration
	: MG1 - Part 10	: MG1 - Part 7
	Test : MG1 - Part 12	Tolerance : MG1 - Part 12
	Noise : MG1 - Part 9	

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