

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - ODP - Nema Premium Efficiency JM Derating Product code : 12687790

Frame	: 182/4JM	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1/B34R(D)
Duty cycle	: S1	Rotation ¹	: Both
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight ³	: 89.3 lb
Protection degree	: IP21	Moment of inertia (J)	: 0.4010 sq.ft.lb
Design	: B		

	5 HP (3.7 kW)	5 HP (3.7 kW)	5 HP (3.7 kW)
Output	5 HP (3.7 kW)	5 HP (3.7 kW)	5 HP (3.7 kW)
Poles	4	4	4
Frequency	60 Hz	50 Hz	50 Hz
Rated voltage	230/460 V	190/380 V	220/415 V
Rated current	12.7/6.33 A	15.4/7.71 A	13.5/7.18 A
L. R. Amperes	91.2/45.6 A	89.4/44.7 A	94.8/50.3 A
LRC	7.2	5.8	7.0
No load current	6.29/3.15 A	6.19/3.10 A	6.80/3.61 A
Rated speed	1760 rpm	1445 rpm	1455 rpm
Slip	2.22 %	3.67 %	3.00 %
Rated torque	14.7 ft.lb	17.9 ft.lb	17.8 ft.lb
Locked rotor torque	200 %	140 %	180 %
Pull up torque	170 %	115 %	150 %
Breakdown torque	310 %	220 %	270 %
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Noise level ²	55.0 dB(A)	53.0 dB(A)	53.0 dB(A)
Locked rotor time (hot)	12 s	11 s	11 s
Locked rotor time (cold)	22 s	20 s	20 s
Efficiency (%)	50%	88.5	87.5
	75%	88.5	87.7
	100%	89.5	86.4
Power Factor	50%	0.63	0.64
	75%	0.76	0.76
	100%	0.82	0.83

Bearing type Lubrication interval Lubricant amount Lubricant type	Drive end	Non drive end	Foundation loads Max. traction : Max. compression : Load type :- Load torque :- Load inertia (J=GD ² /4) :-
	6207-ZZ	6205-ZZ	
	-	-	
	-	-	
	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	farazq	1863077971		
Checked by	AUTOMATICO	Page	Rev.	
Date	19/06/2026	1 / 2	0	

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature
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Notes
USABLE @208V 14.0A SF 1.15 SFA 16.1A

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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