

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

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

Frame	: 143/5JM	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	: 30.1 lb
Protection degree	: IP21	Moment of inertia (J)	: 0.0641 sq.ft.lb

Output	1 HP (0.75 kW)	1 HP (0.75 kW)	1 HP (0.75 kW)
Poles	2	2	2
Frequency	60 Hz	50 Hz	50 Hz
Rated voltage	208-230/460 V	190/380 V	220/415 V
Rated current	3.05-2.76/1.38 A	3.18/1.59 A	2.90/1.54 A
L. R. Amperes	25.3-22.9/11.5 A	21.0/10.5 A	21.8/11.6 A
LRC	8.3	6.6	7.5
No load current	1.10-1.28/0.640 A	1.39/0.696 A	1.66/0.881 A
Rated speed	3510 rpm	2890 rpm	2910 rpm
Slip	2.50 %	3.67 %	3.00 %
Rated torque	1.48 ft.lb	1.79 ft.lb	1.78 ft.lb
Locked rotor torque	210 %	180 %	210 %
Pull up torque	175 %	150 %	175 %
Breakdown torque	330 %	260 %	310 %
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Noise level ²	62.0 dB(A)	60.0 dB(A)	60.0 dB(A)
Locked rotor time (hot)	22 s	0 s	0 s
Locked rotor time (cold)	40 s	0 s	0 s
Efficiency (%)	50%	74.0	79.1
	75%	78.5	81.1
	100%	80.0	80.7
Power Factor	50%	0.66	0.73
	75%	0.78	0.84
	100%	0.85	0.89

Bearing type Lubrication interval Lubricant amount Lubricant type	Drive end	Non drive end	Foundation loads
	6206-ZZ	6203-ZZ	Max. traction :
	-	-	Max. compression :
	-	-	Load 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			1889208828	
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Date	17/08/2026			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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