

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEFC - Nema Premium Efficiency JM Derating Product code : 14616801

Frame	: 213/5JM	Cooling method	: IC411 - TEFC
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	: 130 lb
Protection degree	: IP55	Moment of inertia (J)	: 1.08 sq.ft.lb
Design	: B		

	3 HP (2.2 kW)	3 HP (2.2 kW)	3 HP (2.2 kW)
Output	3 HP (2.2 kW)	3 HP (2.2 kW)	3 HP (2.2 kW)
Poles	6	6	6
Frequency	60 Hz	50 Hz	50 Hz
Rated voltage	230/460 V	190/380 V	220/415 V
Rated current	8.12/4.06 A	9.76/4.88 A	8.75/4.64 A
L. R. Amperes	52.8/26.4 A	50.8/25.4 A	54.3/28.8 A
LRC	6.5	5.2	6.2
No load current	4.20/2.10 A	4.20/2.10 A	4.34/2.30 A
Rated speed	1180 rpm	975 rpm	980 rpm
Slip	1.67 %	2.50 %	2.00 %
Rated torque	13.2 ft.lb	15.9 ft.lb	15.8 ft.lb
Locked rotor torque	200 %	140 %	190 %
Pull up torque	170 %	115 %	160 %
Breakdown torque	250 %	190 %	230 %
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)	46 s	55 s	46 s
Locked rotor time (cold)	83 s	99 s	83 s
Efficiency (%)	50%	85.5	85.0
	75%	88.5	85.6
	100%	89.5	85.6
Power Factor	50%	0.60	0.64
	75%	0.70	0.76
	100%	0.76	0.80

Losses at normative operating points (speed;torque), in percentage of rated output power

Losses (%)	Drive end		Non drive end	
	P1(0,9;1,0)	P2(0,5;1,0)	P3(0,25;1,0)	P4(0,9;0,5)
	11.1	8.9	8.1	6.2
	16.0	12.8	11.6	8.9
	14.4	11.6	10.4	6.0
		8.0	5.4	4.5
		4.0	3.3	3.0

Bearing type	6209-ZZ	6206-ZZ	Foundation loads	
Lubrication interval	-	-	Max. traction	:
Lubricant amount	-	-	Max. compression	:
Lubricant type	MOBIL POLYREX EM		Load type	:-
			Load torque	:-
			Load inertia (J=GD ² /4)	:-

Notes
See notes on page 2.

Rev.	Changes Summary	Rev.	Checked	Date
Performed by	farazq	1865121251		
Checked by	AUTOMATICO	Page	Rev.	
Date	24/06/2026	1 / 2	0	

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature
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Notes
USABLE @208V 9.22A SF 1.15 SFA 10.6A

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

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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