

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

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

Frame	: 182/4JM	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: W-6/V18R(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	: 68.4 lb
Protection degree	: IP21	Moment of inertia (J)	: 0.1827 sq.ft.lb
Design	: B		
Output	7.5 HP (5.5 kW)	5.5 HP (4 kW)	5.5 HP (4 kW)
Poles	2	2	2
Frequency	60 Hz	50 Hz	50 Hz
Rated voltage	230/460 V	190/380 V	220/415 V
Rated current	17.9/8.97 A	16.0/8.02 A	14.9/7.90 A
L. R. Amperes	133/66.4 A	128/64.2 A	134/71.1 A
LRC	7.4	8.0	9.0
No load current	7.80/3.90 A	7.60/3.80 A	9.05/4.80 A
Rated speed	3500 rpm	2915 rpm	2930 rpm
Slip	2.78 %	2.83 %	2.33 %
Rated torque	11.1 ft.lb	9.77 ft.lb	9.69 ft.lb
Locked rotor torque	200 %	210 %	250 %
Pull up torque	170 %	175 %	210 %
Breakdown torque	300 %	320 %	400 %
Service factor	1.15	1.00	1.00
Temperature rise	80 K	80 K	80 K
Noise level ²	65.0 dB(A)	63.0 dB(A)	63.0 dB(A)
Locked rotor time (hot)	11 s	11 s	10 s
Locked rotor time (cold)	20 s	20 s	18 s
Efficiency (%)	50%	88.5	87.0
	75%	88.5	87.9
	100%	88.5	88.1
Power Factor	50%	0.72	0.68
	75%	0.82	0.80
	100%	0.87	0.86
Drive end		Non drive end	Foundation loads
Bearing type	6207-ZZ	6205-ZZ	Max. traction :
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			1863255972	
Checked by	AUTOMATICO			Page	Rev.
Date	19/06/2026			1 / 2	0

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

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

Thermal protection				
ID	Application	Type	Quantity	Sensing Temperature

Notes
USABLE @208V 19.2A SF 1.15 SFA 22.0A

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.
---	---

Rev.	Changes Summary		Rev.	Checked	Date
Performed by	farazq		1863255972		
Checked by	AUTOMATICO		Page	Rev.	
Date	19/06/2026		2 / 2	0	

