

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEFC - Premium Efficiency (DOE) Jet Pump - Forma J Derating      Product code : 19175770

Frame	: 56J	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: W-6/V17R(D)
Duty cycle	: S1	Rotation <sup>1</sup>	: Counter clockwise
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight <sup>3</sup>	: 34.2 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.1020 sq.ft.lb
Design	: B		

	1.5 HP (1.1 kW)	1.5 HP (1.1 kW)	1.5 HP (1.1 kW)
Output	1.5 HP (1.1 kW)	1.5 HP (1.1 kW)	1.5 HP (1.1 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	3.74/1.87 A	4.44/2.22 A	3.90/2.07 A
L. R. Amperes	34.0/17.0 A	32.0/16.0 A	33.2/17.6 A
LRC	9.1	7.2	8.5
No load current	1.72/0.860 A	1.69/0.845 A	1.83/0.971 A
Rated speed	3520 rpm	2895 rpm	2915 rpm
Slip	2.22 %	3.50 %	2.83 %
Rated torque	2.21 ft.lb	2.68 ft.lb	2.66 ft.lb
Locked rotor torque	230 %	190 %	240 %
Pull up torque	195 %	160 %	200 %
Breakdown torque	300 %	280 %	330 %
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Noise level <sup>2</sup>	68.0 dB(A)	65.0 dB(A)	65.0 dB(A)
Locked rotor time (hot)	17 s	16 s	14 s
Locked rotor time (cold)	31 s	29 s	25 s
Efficiency (%)	50%	80.0	82.6
	75%	82.5	83.8
	100%	84.0	84.0
Power Factor	50%	0.71	0.77
	75%	0.82	0.87
	100%	0.88	0.91

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

Losses (%)	P1(0,9;1,0)	P2(0,5;1,0)	P3(0,25;1,0)	P4(0,9;0,5)	P5(0,5;0,5)	P6(0,5;0,25)	P7(0,25;0,25)
	17.5	14.5	13.6	9.4	5.7	4.0	2.5
	16.8	13.9	13.0	9.0	5.5	3.8	2.5
	18.3	15.1	14.2	9.8	6.0	4.1	2.6

Bearing type	Drive end	Non drive end	Foundation loads
	6203-2RS	6202-2RS	
Lubrication interval	-	-	Max. compression : 460 N
Lubricant amount	-	-	Load type :-
Lubricant type	MOBIL POLYREX EM		Load torque :-
			Load inertia (J=GD <sup>2</sup> /4) :-

Notes  
See notes on page 2.

Rev.	Changes Summary	Rev.	Checked	Date
Performed by	farazq			1867000526
Checked by	AUTOMATICO		Page	Rev.
Date	29/06/2026		1 / 2	0

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEFC - Premium Efficiency (DOE) Jet Pump - Forma J Derating  
Product code : 19175770

Thermal protection ID	Application	Type	Quantity	Sensing Temperature
-----------------------	-------------	------	----------	---------------------

Notes  
USABLE @208V 4.13A SF 1.15 SFA 4.76A

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	1867000526		
Checked by	AUTOMATICO	Page	Rev.	
Date	29/06/2026	2 / 2	0	