

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEFC - Nema Premium Efficiency

Frame	: 182/4TC	Locked rotor time	: 18 s (hot) 32 s (cold)
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 230/460 V	Altitude	: 3280 ft
Rated current	: 7.62/3.81 A	Protection degree	: IP55
L. R. Amperes	: 67.1/33.5 A	Cooling method	: IC411 - TEFC
LRC	: 8.8	Mounting	: F-1/B34R(D)
No load current	: 4.00/2.00 A	Rotation ¹	: Both
Rated speed	: 1765 rpm	Noise level ²	: 56.0 dB(A)
Slip	: 1.94 %	Vibration class	: A
Rated torque	: 8.82 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 220 %	Approx. weight ³	: 87.6 lb
Pull up torque	: 185 %	Painting plan	: 207N
Breakdown torque	: 300 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: B
Service factor	: 1.15		
Moment of inertia (J)	: 0.4010 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	87.5	88.5	89.5	Load torque	: -
Power Factor	0.61	0.74	0.81	Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end	Foundation loads
Bearing type #1	6206-ZZ	6205-ZZ	Max. traction
Bearing type #2	-	-	Max. compression
Lubrication interval	-	-	
Lubricant amount #1	-	-	
Lubricant amount #2	-	-	
Lubricant type	MOBIL POLYREX EM		

Notes

See notes on page 2.

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

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)
12.6	10.6	10.2	6.8	4.8	3.5	2.6

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			1860049341	
Checked by	AUTOMATICO			Page	Rev.
Date	12/06/2026			1 / 2	0

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEFC - Nema Premium Efficiency

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

Notes

USABLE @208V 8.43A SF 1.00 SFA 8.43A

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			1860049341	
Checked by	AUTOMATICO			Page	Rev.
Date	12/06/2026			2 / 2	0

