

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEFC - Pump Motor Type JM

Product code : 18337347

Frame	: 213/5JM	Locked rotor time	: 6 s (hot) 11 s (cold)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 208-230/460 V	Altitude	: 3280 ft
Rated current	: 43.0-38.9/19.4 A	Protection degree	: IP55
L. R. Amperes	: 309-280/140 A	Cooling method	: IC411 - TEFC
LRC	: 7.2	Mounting	: F-1/B34R(D)
No load current	: 4.31-5.00/2.50 A	Rotation ¹	: Both
Rated speed	: 3510 rpm	Noise level ²	: 75.0 dB(A)
Slip	: 2.50 %	Vibration class	: A
Rated torque	: 14.8 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 220 %	Approx. weight ³	: 137 lb
Pull up torque	: 185 %	Painting plan	: 207N
Breakdown torque	: 290 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: L
Service factor	: 1.15		
Moment of inertia (J)	: 0.4865 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	81.5	85.5	86.5	Load torque	: -
Power Factor	0.95	0.96	0.97	Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end	Foundation loads
Bearing type #1			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.

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		1865728696		
Checked by	AUTOMATICO		Page	Rev.	
Date	25/06/2026		1 / 2	0	

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer

: V.J. PAMENSKY CANADA INC.

Product line

: W01 - TEFC - Pump Motor Type JM

Product code : 18337347

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

Notes

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			1865728696	
Checked by	AUTOMATICO			Page	Rev.
Date	25/06/2026			2 / 2	0