

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Product code : 19262802

Frame	: 56J	Locked rotor time	: 4 s (hot) 7 s (cold)
Output	: 5 HP (3.7 kW)	Temperature rise	: 105 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 208-230 V	Altitude	: 3280 ft
Rated current	: 22.6-20.4 A	Protection degree	: IP21
L. R. Amperes	: 158-143 A	Cooling method	: ODPFC
LRC	: 7.0 Code H	Mounting	: F-1/B14R(D)
No load current	: 3.50-7.00 A	Rotation ¹	: Counter clockwise
Rated speed	: 3450 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 4.17 %	Vibration class	: A
Rated torque	: 7.60 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 300.0 %	Approx. weight ³	: 53.4 lb
Pull up torque	: 255.0 %	Painting plan	: 207N
Breakdown torque	: 260.0 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: L
Service factor	: 1.00		
Moment of inertia (J)	: 0.0854 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	74.0	80.0	82.0
Power Factor	0.90	0.95	0.96

Load type	: -
Load torque	: -
Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end
Bearing type #1	6203-2RS	6202-2RS
Bearing type #2	-	-
Lubrication interval	-	-
Lubricant amount #1	-	-
Lubricant amount #2	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	: -
Max. compression	: -

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		1866077877		
Checked by	AUTOMATICO		Page	Rev.	
Date	26/06/2026		1 / 2	0	

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature
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Notes

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

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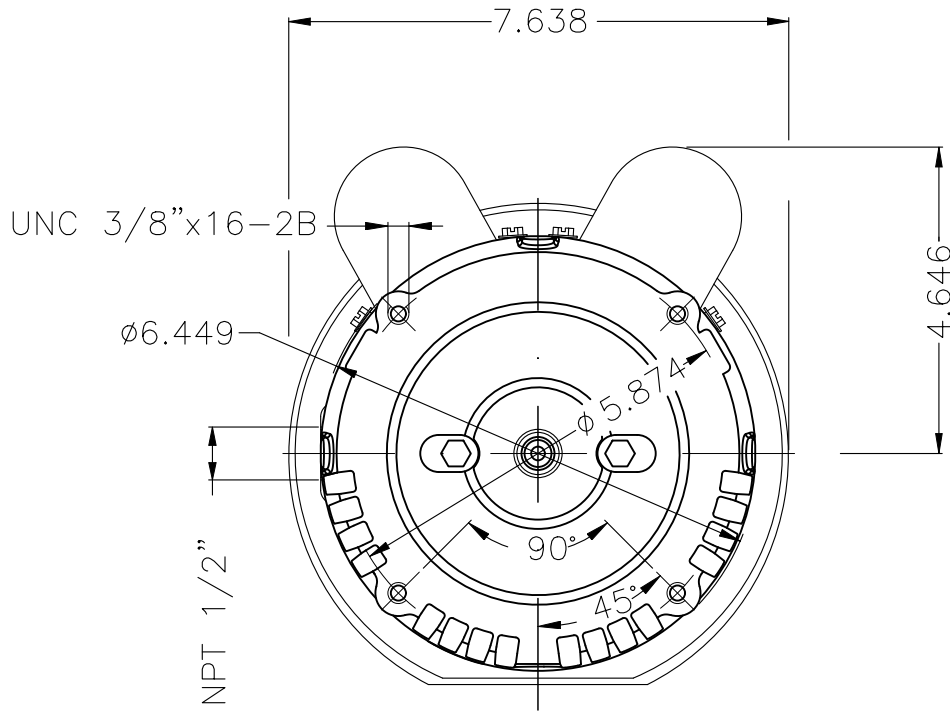
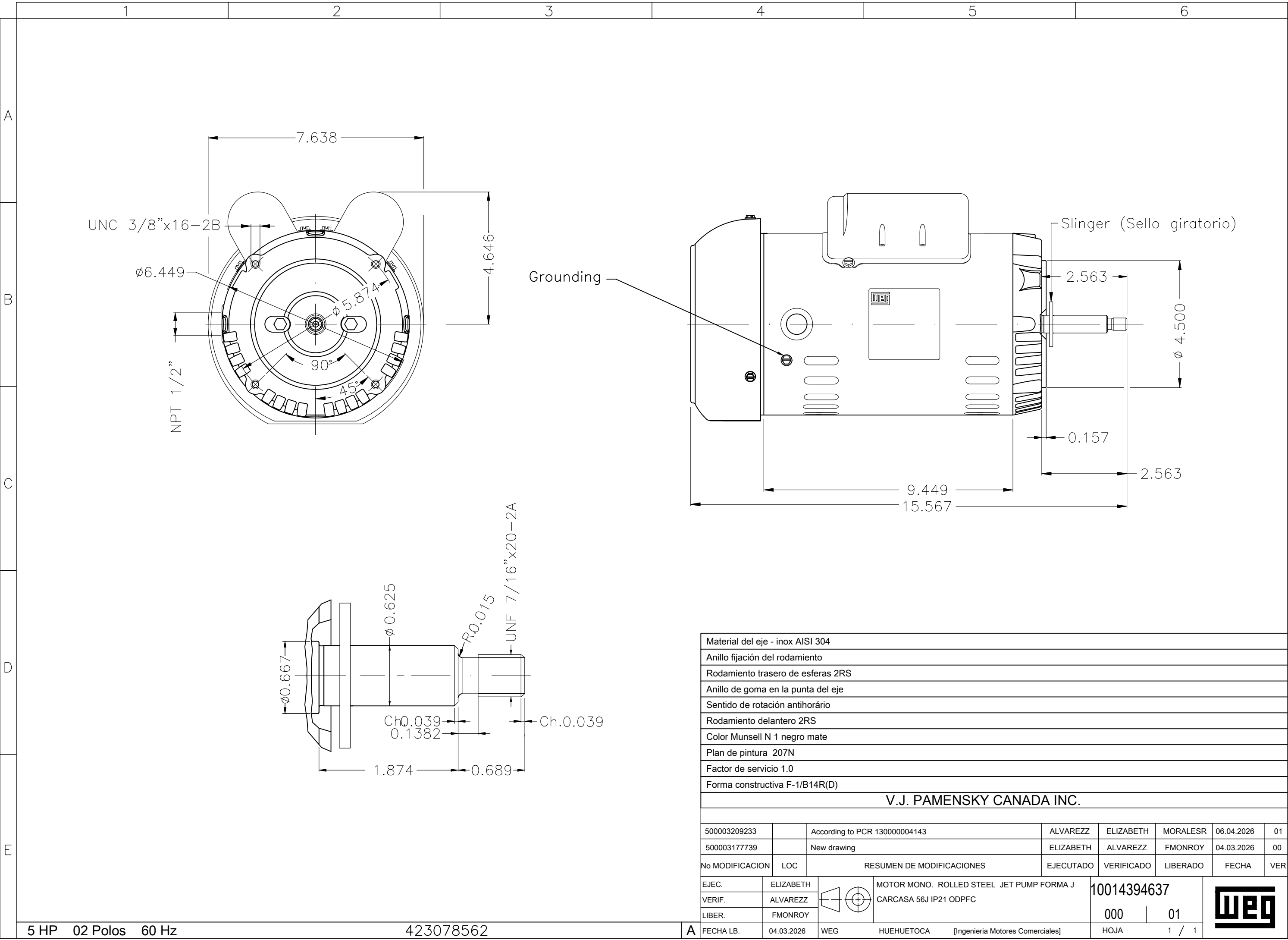
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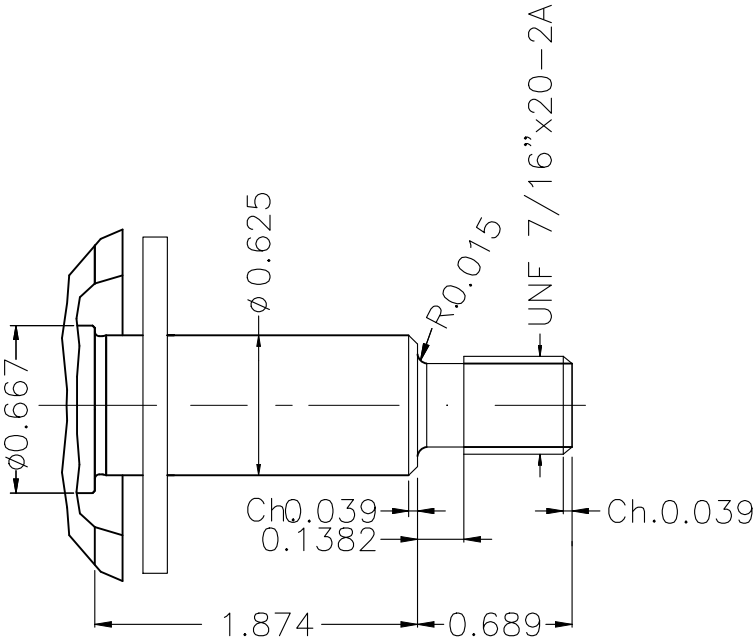
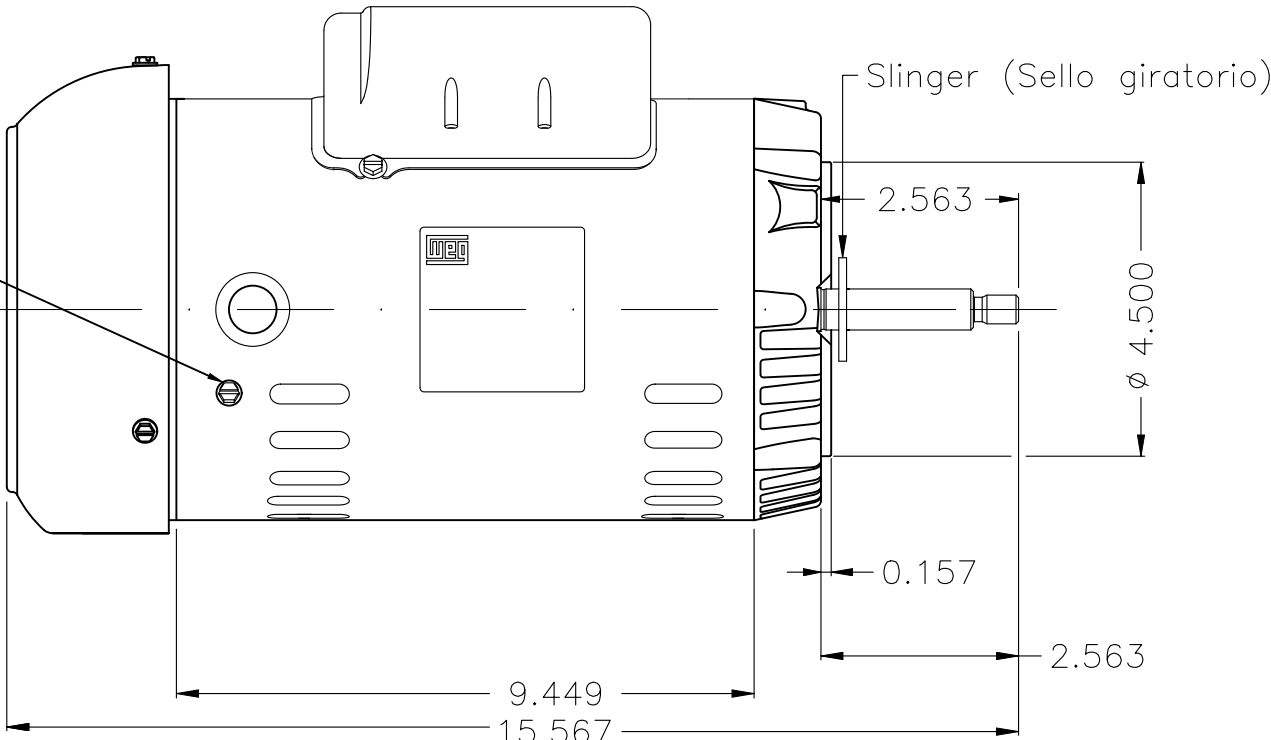
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Grounding



Material del eje - inox AISI 304							
Anillo fijación del rodamiento							
Rodamiento trasero de esferas 2RS							
Anillo de goma en la punta del eje							
Sentido de rotación antihorário							
Rodamiento delantero 2RS							
Color Munsell N 1 negro mate							
Plan de pintura 207N							
Factor de servicio 1.0							
Forma constructiva F-1/B14R(D)							
V.J. PAMENSKY CANADA INC.							
500003209233		According to PCR 130000004143	ALVAREZZ	ELIZABETH	MORALESR	06.04.2026	01
500003177739		New drawing	ELIZABETH	ALVAREZZ	FMONROY	04.03.2026	00
No MODIFICACION	LOC	RESUMEN DE MODIFICACIONES	EJECUTADO	VERIFICADO	LIBERADO	FECHA	VER
EJEC.	ELIZABETH		MOTOR MONO. ROLLED STEEL JET PUMP FORMA J CARCASA 56J IP21 ODPFC		10014394637 000 01		
VERIF.	ALVAREZZ						
LIBER.	FMONROY						
FECHA LB.	04.03.2026	WEG	HUEHUETOCA	[Ingeniería Motores Comerciales]	HOJA	1 / 1	

5 HP 02 Polos 60 Hz

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