

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Product code : 19213083

Frame	: 56J	Locked rotor time	: 10 s (hot) 18 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	: 575 V	Altitude	: 3280 ft
Rated current	: 4.99 A	Protection degree	: IP21
L. R. Amperes	: 49.9 A	Cooling method	: IC01 - ODP
LRC	: 10.0 Code L	Mounting	: F-1/B14R(D)
No load current	: 2.10 A	Rotation ¹	: Counter clockwise
Rated speed	: 3500 rpm	Noise level ²	: 57.0 dB(A)
Slip	: 2.78 %	Vibration class	: A
Rated torque	: 7.52 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 390.0 %	Approx. weight ³	: 53.1 lb
Pull up torque	: 330.0 %	Painting plan	: 207N
Breakdown torque	: 380.0 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: A
Service factor	: 1.15		
Moment of inertia (J)	: 0.1376 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	82.0	85.5	86.5
Power Factor	0.68	0.80	0.86

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

	Drive end	Non drive end
Bearing type #1	6204-2RS	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		1866209445		
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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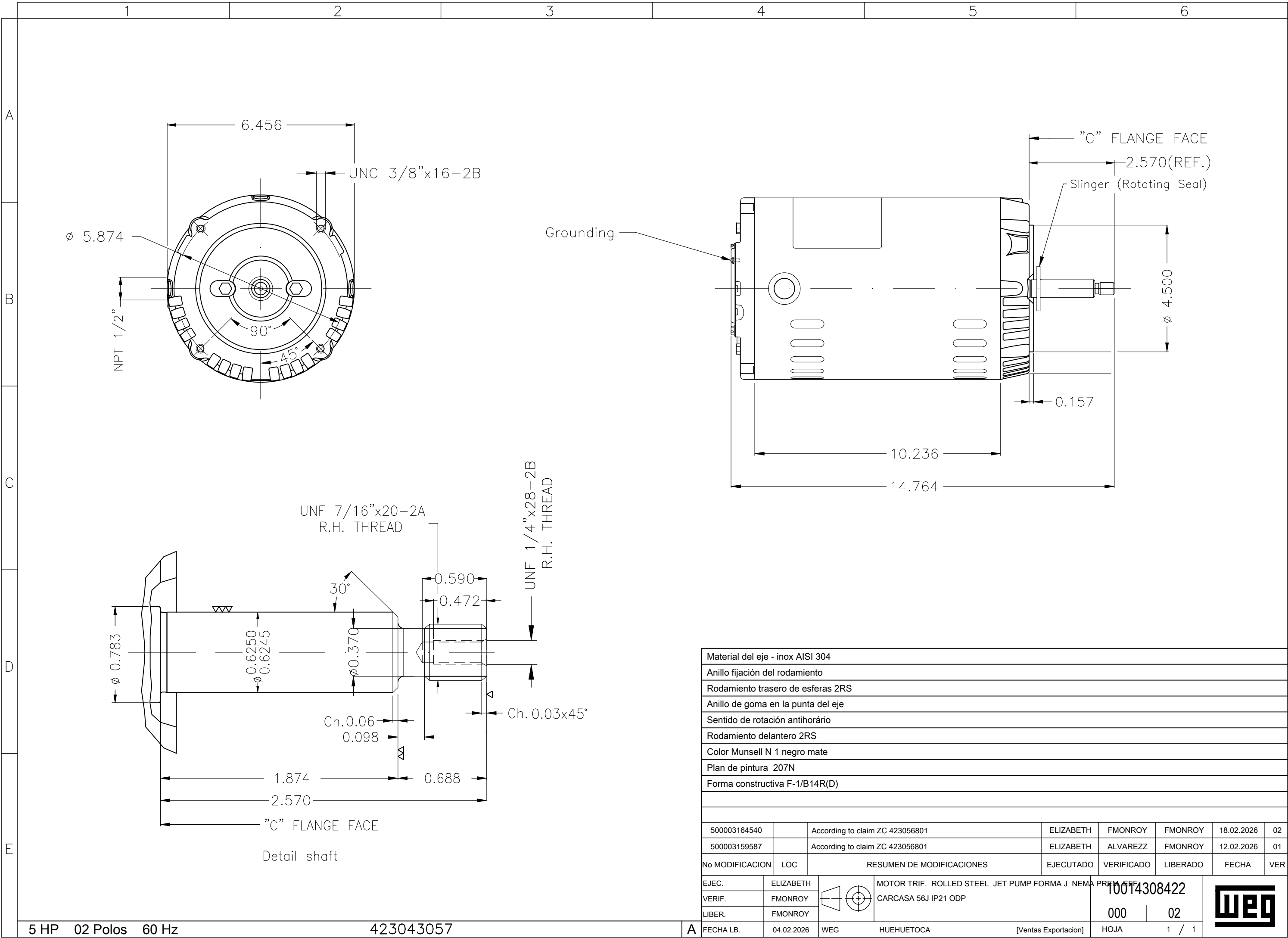
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Material del eje - inox AISI 304						
Anillo fijación del rodamiento						
Rodamiento trasero de esferas 2RS						
Anillo de goma en la punta del eje						
Sentido de rotación antihorário						
Rodamiento delantero 2RS						
Color Munsell N 1 negro mate						
Plan de pintura 207N						
Forma constructiva F-1/B14R(D)						
500003164540		According to claim ZC 423056801	ELIZABETH	FMONROY	FMONROY	18.02.2026 02
500003159587		According to claim ZC 423056801	ELIZABETH	ALVAREZZ	FMONROY	12.02.2026 01
No MODIFICACION	LOC	RESUMEN DE MODIFICACIONES	EJECUTADO	VERIFICADO	LIBERADO	FECHA VER
EJEC.	ELIZABETH		MOTOR TRIF. ROLLED STEEL JET PUMP FORMA J NEMA PREMIUM EFF. CARCASA 56J IP21 ODP		10014308422 000 02	
VERIF.	FMONROY					
LIBER.	FMONROY					
FECHA LB.	04.02.2026	WEG	HUEHUETOCA	[Ventas Exportacion]	HOJA	1 / 1

5 HP 02 Polos 60 Hz 423043057

A