

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEAO - Grain Dryer

Product code : 19042154

Frame	: 143/5TZ	Cooling method	: IC418 - TEAO
Insulation class	: F	Minimum air speed over motor	: 12.1 m/s
Duty cycle	: S1	Mounting	: F-3/B3T
Ambient temperature	: -20 °C to +40 °C	Rotation ¹	: Both
Altitude	: 3280 ft	Starting method	: Direct On Line
Protection degree	: IP55	Approx. weight ³	: 0.0 lb
		Moment of inertia (J)	: 0.0000 sq.ft.lb

Output		3 HP (2.2 kW)	4.5 HP (3.3 kW)
Poles		2	2
Frequency		60 Hz	60 Hz
Rated voltage		230 V	230 V
Rated current		12.6 A	17.9 A
L. R. Amperes		126 A	125 A
LRC		10.0	7.0
No load current		6.60 A	6.60 A
Rated speed		3530 rpm	3460 rpm
Slip		1.94 %	3.89 %
Rated torque		4.40 ft.lb	6.73 ft.lb
Locked rotor torque		250 %	160 %
Pull up torque		210 %	135 %
Breakdown torque		420 %	240 %
Service factor		1.00	1.00
Temperature rise		80 K	105 K
Noise level ²		68.0 dB(A)	68.0 dB(A)
Locked rotor time (hot)		7 s	4 s
Locked rotor time (cold)		13 s	7 s
Efficiency (%)	50%	70.0	75.5
	75%	77.0	81.5
	100%	81.5	82.5
Power Factor	50%	0.81	0.90
	75%	0.89	0.95
	100%	0.93	0.97

Bearing type	Drive end	Non drive end	Foundation loads
Lubrication interval	6205-ZZ	6203-ZZ	Max. traction : -
Lubricant amount	-	-	Max. compression : -
Lubricant type	-	-	Load type : -
	MOBIL POLYREX EM		Load torque : -
			Load inertia (J=GD ² /4) : -

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	1847375683		
Checked by	AUTOMATICO	Page	Rev.	
Date	12/05/2026	1 / 2	0	

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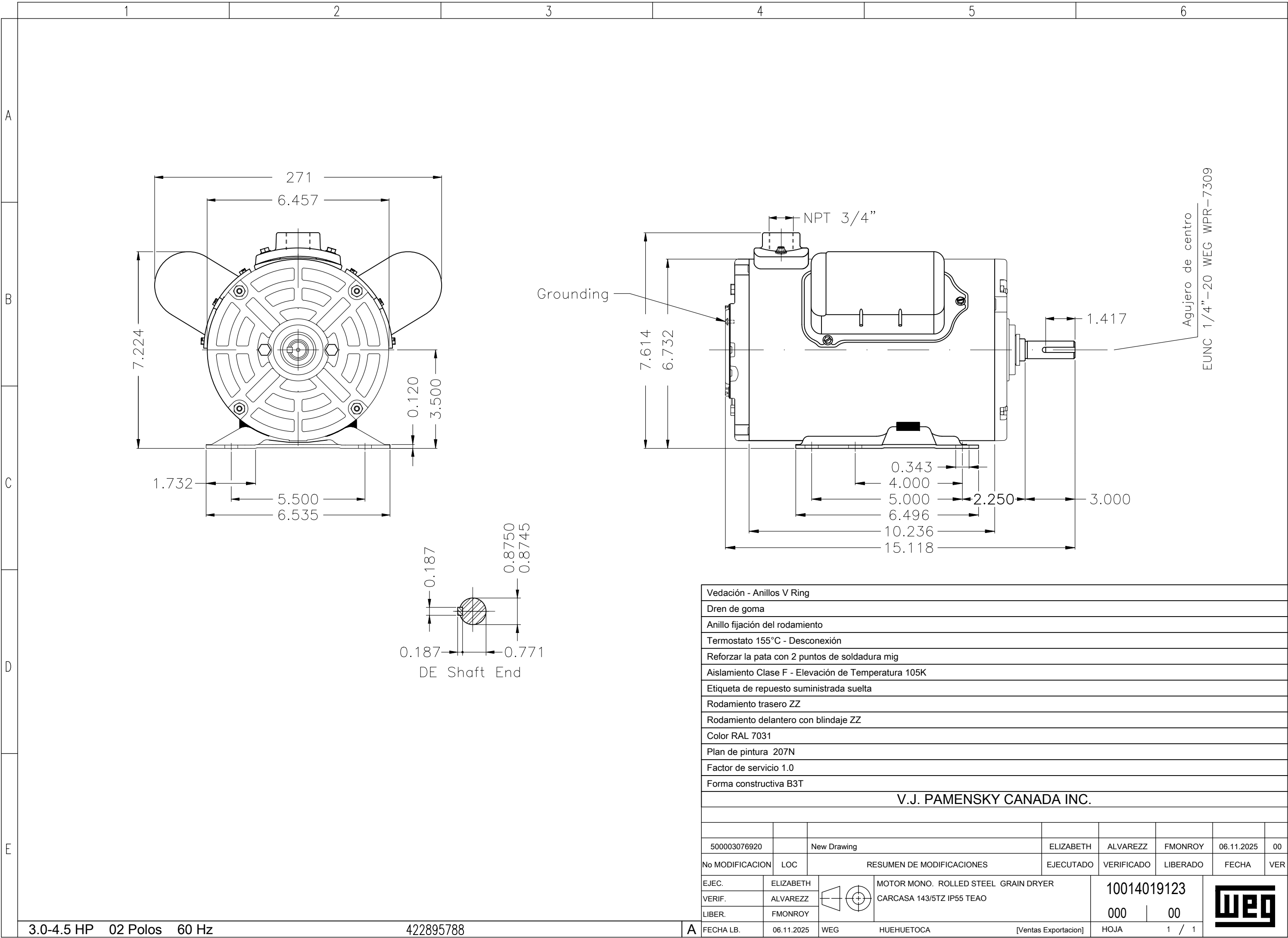
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Product line		: W01 - TEAO - Grain Dryer	Product code : 19042154	
Thermal protection	ID	Application	Type	Quantity
	1	Winding	Thermostat - 2 wires	1 x Phase
				Sensing Temperature
				155°C

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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3.0-4.5 HP 02 Polos 60 Hz

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