

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

	Drive end	Non drive end	Foundation loads
Bearing type	6205-ZZ	6203-ZZ	Max. traction : -
Lubrication interval	-	-	Max. compression : -
Lubricant amount	-	-	Load type : -
Lubricant 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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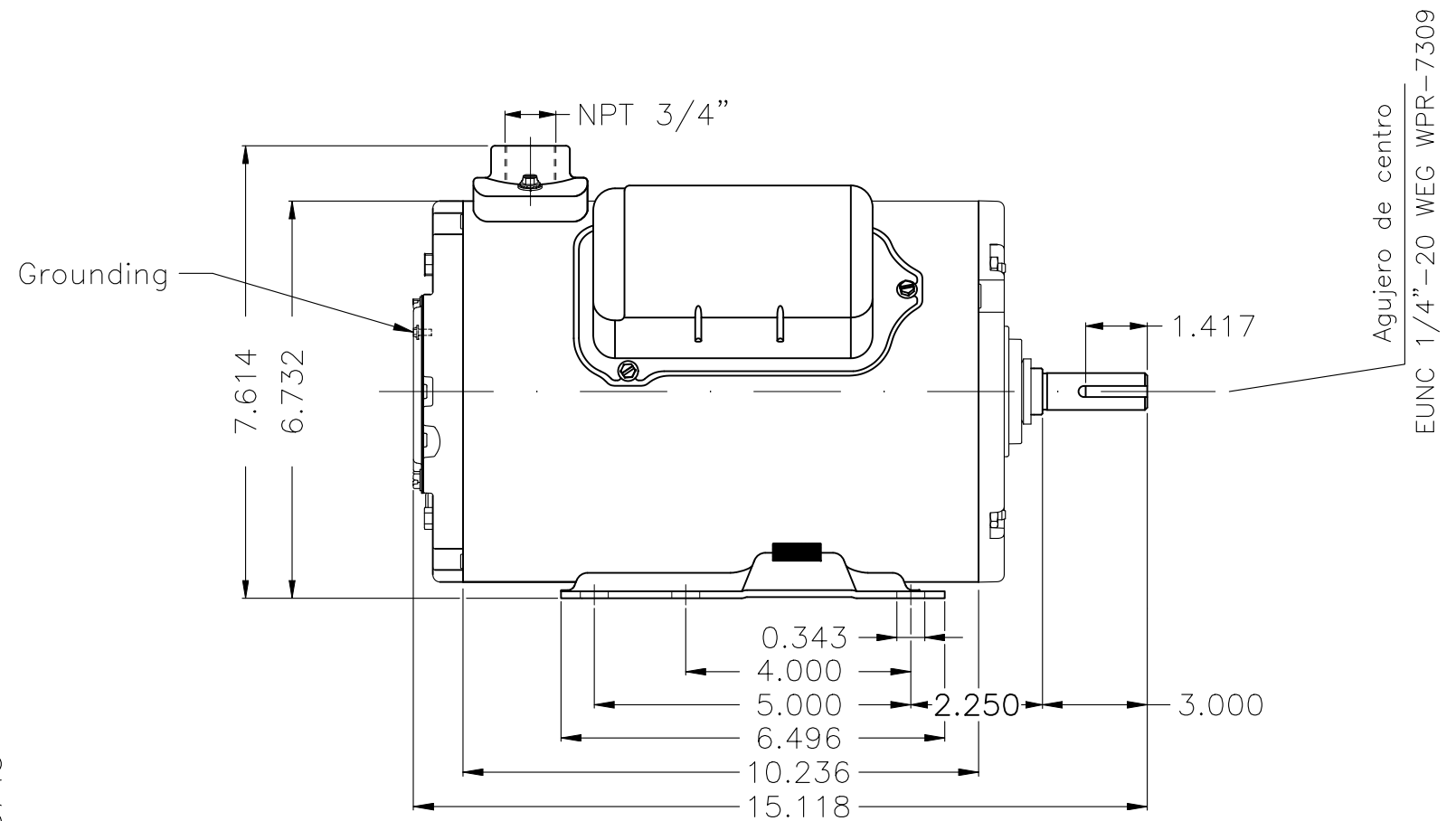
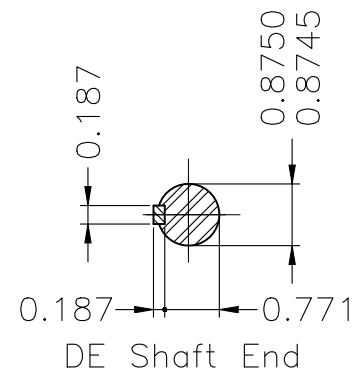
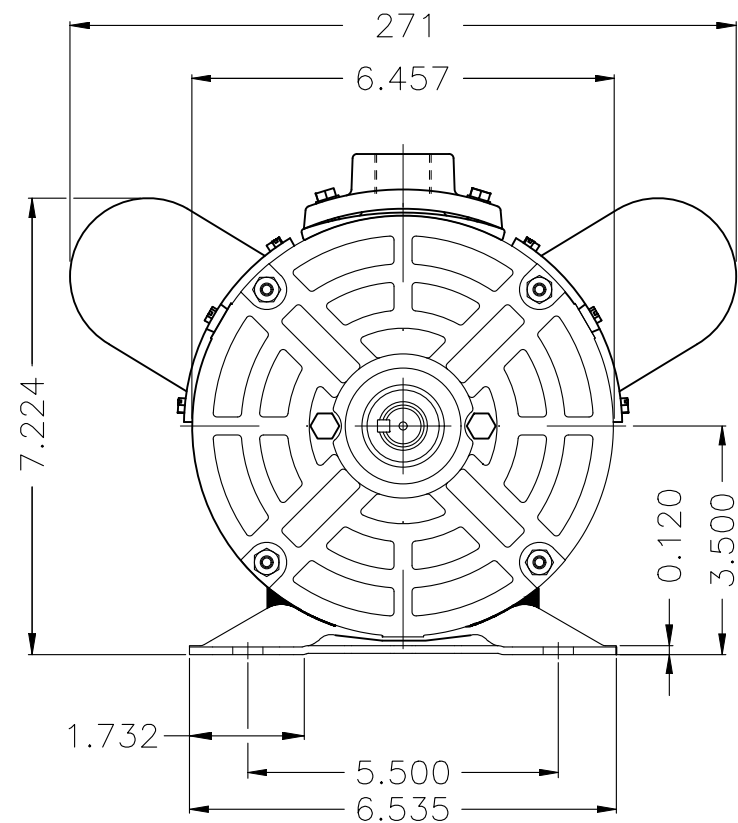
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Product line		: W01 - TEAO - Grain Dryer	Product code : 19042154	
Thermal protection	ID	Application	Type	Quantity
	1	Winding	Thermostat - 2 wires	1 x Phase
				Sensing Temperature
				155°C

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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				Rev.
				0



Vedación - Anillos V Ring							
Dren de goma							
Anillo fijación del rodamiento							
Termostato 155°C - Desconexión							
Reforzar la pata con 2 puntos de soldadura mig							
Aislamiento Clase F - Elevación de Temperatura 105K							
Etiqueta de repuesto suministrada suelta							
Rodamiento trasero ZZ							
Rodamiento delantero con blindaje ZZ							
Color RAL 7031							
Plan de pintura 207N							
Factor de servicio 1.0							
Forma constructiva B3T							
V.J. PAMENSKY CANADA INC.							
500003076920		New Drawing	ELIZABETH	ALVAREZZ	FMONROY	06.11.2025	00
No MODIFICACION	LOC	RESUMEN DE MODIFICACIONES	EJECUTADO	VERIFICADO	LIBERADO	FECHA	VER
EJEC.	ELIZABETH		MOTOR MONO. ROLLED STEEL GRAIN DRYER		10014019123		
VERIF.	ALVAREZZ		CARCASA 143/5TZ IP55 TEO				
LIBER.	FMONROY						
FECHA LB.	06.11.2025	WEG	HUEHUETOCA	[Ventas Exportacion]	HOJA	1 / 1	