

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEAO - Grain Dryer

Product code : 14862262

Frame	: 182/4TZ	Cooling method	: IC418 - TEAO
Insulation class	: F	Minimum air speed over motor	: 16.8 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	7.5 HP (5.5 kW)		10 HP (7.5 kW)
Poles	2		2
Frequency	60 Hz		60 Hz
Rated voltage	230 V		230 V
Rated current	30.0 A		39.5 A
L. R. Amperes	315 A		316 A
LRC	10.5		8.0
No load current	12.3 A		12.3 A
Rated speed	3540 rpm		3490 rpm
Slip	1.67 %		3.06 %
Rated torque	11.0 ft.lb		14.8 ft.lb
Locked rotor torque	250 %		190 %
Pull up torque	210 %		160 %
Breakdown torque	470 %		340 %
Service factor	1.00		1.00
Temperature rise	105 K		105 K
Noise level ²	72.0 dB(A)		72.0 dB(A)
Locked rotor time (hot)	9 s		6 s
Locked rotor time (cold)	16 s		11 s
Efficiency (%)	50%	73.1	78.0
	75%	79.8	83.0
	100%	83.0	85.0
Power Factor	50%	0.92	0.94
	75%	0.95	0.96
	100%	0.96	0.97

	Drive end	Non drive end	Foundation loads
Bearing type	6206-ZZ	6205-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			1850597871	
Checked by	AUTOMATICO			Page	Rev.
Date	20/05/2026			1 / 2	0

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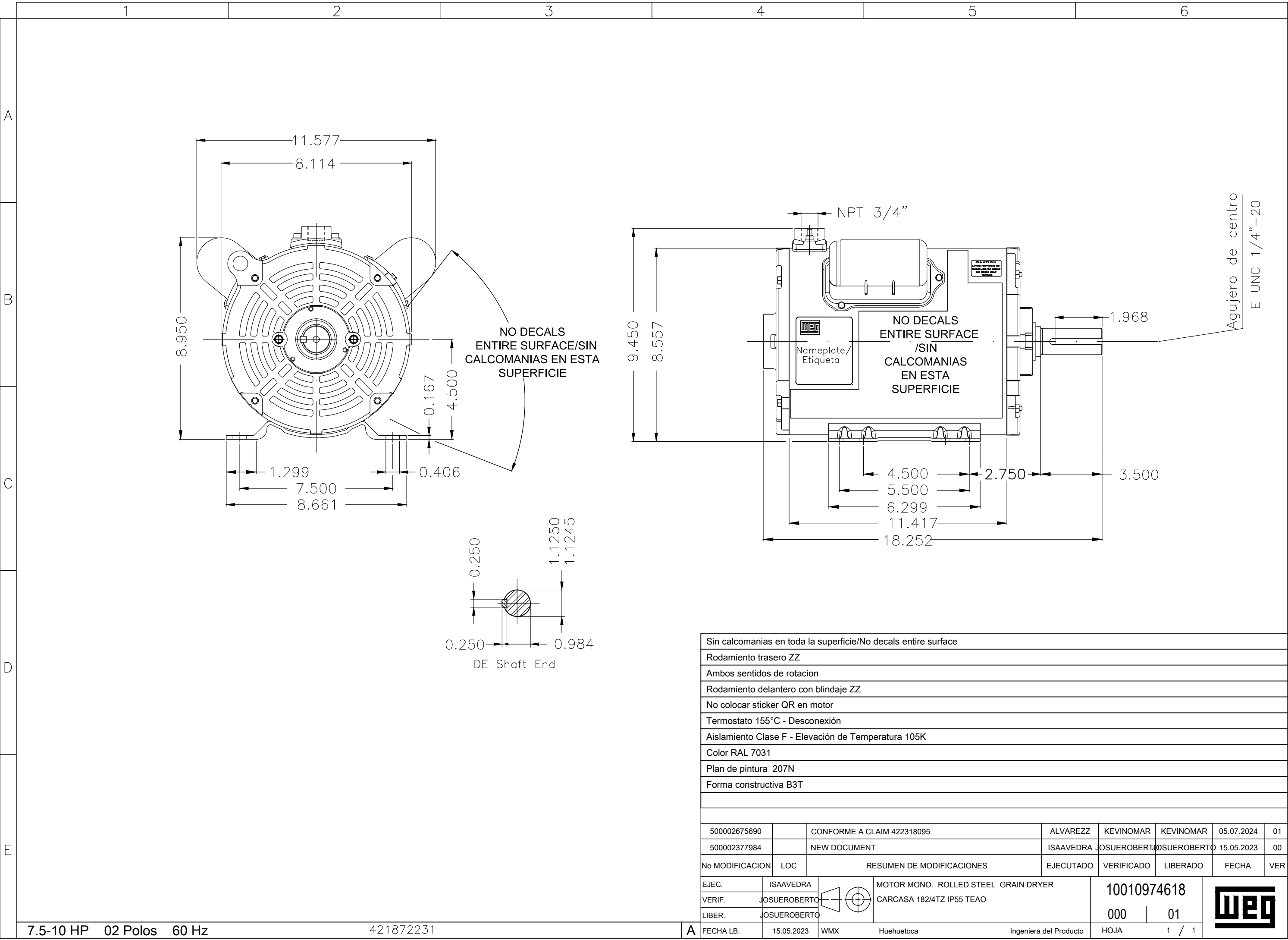
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Product line		: W01 - TEAO - Grain Dryer	Product code : 14862262	
Thermal protection	ID	Application	Type	Quantity
	1	Winding	Thermostat - 2 wires	1 x Phase
				Sensing Temperature
				155°C

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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Sin calcomanias en toda la superficie/No decals entire surface											
Rodamiento trasero ZZ											
Ambos sentidos de rotacion											
Rodamiento delantero con blindaje ZZ											
No colocar sticker QR en motor											
Termostato 155°C - Desconexión											
Aislamiento Clase F - Elevación de Temperatura 105K											
Color RAL 7031											
Plan de pintura 207N											
Forma constructiva B3T											
500002675690			CONFORME A CLAIM 422318095			ALVAREZZ	KEVINOMAR	KEVINOMAR	05.07.2024	01	
500002377984			NEW DOCUMENT			ISAAVEDRA	JOSUEROBERTO	JOSUEROBERTO	15.05.2023	00	
No MODIFICACION		LOC	RESUMEN DE MODIFICACIONES			EJECUTADO	VERIFICADO	LIBERADO	FECHA	VER	
EJEC.		ISAAVEDRA				MOTOR MONO. ROLLED STEEL GRAIN DRYER CARCASA 182/4TZ IP55 TEAO		10010974618 000 01			
VERIF.		JOSUEROBERTO									
LIBER.		JOSUEROBERTO									
FECHA LB.		15.05.2023		WMX		Huehuetoca		Ingeniera del Producto			HOJA