

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEAO - Grain Dryer

Product code : 17818219

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	: Counter clockwise
Altitude	: 3280 ft	Starting method	: Direct On Line
Protection degree	: IP55	Approx. weight ³	: 88.9 lb
Design	: B	Moment of inertia (J)	: 0.2183 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	575 V		575 V
Rated current	7.23 A		9.44 A
L. R. Amperes	68.7 A		68.9 A
LRC	9.5		7.3
No load current	2.88 A		2.88 A
Rated speed	3520 rpm		3480 rpm
Slip	2.22 %		3.33 %
Rated torque	11.1 ft.lb		14.9 ft.lb
Locked rotor torque	320 %		230 %
Pull up torque	270 %		195 %
Breakdown torque	440 %		320 %
Service factor	1.00		1.00
Temperature rise	105 K		105 K
Noise level ²	68.0 dB(A)		68.0 dB(A)
Locked rotor time (hot)	8 s		1 s
Locked rotor time (cold)	14 s		2 s
Efficiency (%)	50%	88.4	89.3
	75%	89.8	89.4
	100%	89.8	88.3
Power Factor	50%	0.67	0.76
	75%	0.79	0.86
	100%	0.85	0.90

Bearing type Lubrication interval Lubricant amount Lubricant type	Drive end	Non drive end	Foundation loads
	6206-ZZ	6205-ZZ	Max. traction :
	-	-	Max. compression :
	-	-	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			1847413370	
Checked by	AUTOMATICO			Page	Rev.
Date	12/05/2026			1 / 2	0

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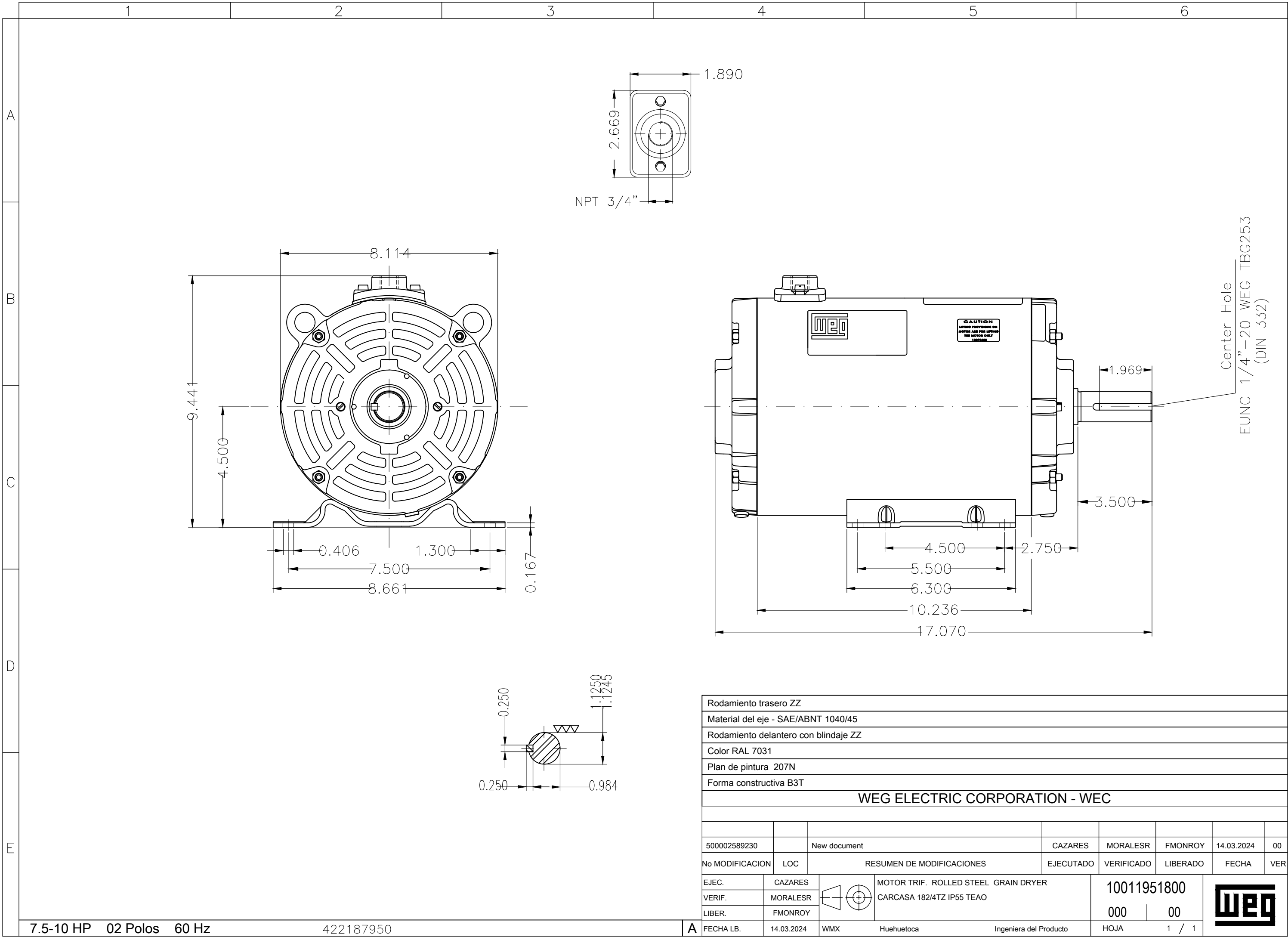
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Product line		: W01 - TEAO - Grain Dryer	Product code : 17818219	
Thermal protection	ID	Application	Type	Quantity
	1	Winding	Thermostat - 2 wires	1 x Phase
				Sensing Temperature
				155°C

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



Rodamiento trasero ZZ							
Material del eje - SAE/ABNT 1040/45							
Rodamiento delantero con blindaje ZZ							
Color RAL 7031							
Plan de pintura 207N							
Forma constructiva B3T							
WEG ELECTRIC CORPORATION - WEC							
500002589230		New document		CAZARES	MORALESR	FMONROY	14.03.2024 00
No MODIFICACION	LOC	RESUMEN DE MODIFICACIONES		EJECUTADO	VERIFICADO	LIBERADO	FECHA VER
EJEC.	CAZARES	 MOTOR TRIF. ROLLED STEEL GRAIN DRYER CARCASA 182/4TZ IP55 TEAO				10011951800	
VERIF.	MORALESR					000 00	
LIBER.	FMONROY						
FECHA LB.	14.03.2024	WMX	Huehuetoca	Ingeniera del Producto		HOJA	1 / 1