DATA SHEET
Single Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: W01 - TEAO - Grain Dryer

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]	: 41.0 lb
		Moment of inertia (J)	: 0.0000 sq.ft.lb

Output		1.5 HP (1.1 kW)	3 HP (2.2 kW)
Poles		2	2
Frequency		60 Hz	60 Hz
Rated voltage		230 V	230 V
Rated current		7.51 A	12.4 A
L. R. Amperes		91.6 A	91.8 A
LRC		12.2	7.4
No load current		4.90 A	5.00 A
Rated speed		3550 rpm	3476 rpm
Slip		1.39 %	3.44 %
Rated torque		2.19 ft.lb	4.47 ft.lb
Locked rotor torque		510 %	250 %
Pull up torque		430 %	210 %
Breakdown torque		250 %	250 %
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)		9 s	6 s
Locked rotor time (cold)		16 s	11 s
Efficiency (%)	50%	57.6	72.2
	75%	67.1	78.5
	100%	73.2	80.6
Power Factor	50%	0.72	0.87
	75%	0.80	0.94
	100%	0.87	0.96

	Drive end	Non drive end
Bearing type	6205-ZZ	6203-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	: -
Max. compression	: -
Load type	: -
Load torque	: -
Load inertia (J=GD²/4)	: -

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		1850586071	
Checked by	AUTOMATICO		Page	Rev.
Date	20/05/2026		1 / 2	0

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155°C

Notes

Standards				
	Specification	: MG1 - Part 10	Vibration	: MG1 - Part 7
	Test	: MG1 - Part 12	Tolerance	: MG1 - Part 12
	Noise	: MG1 - Part 9		

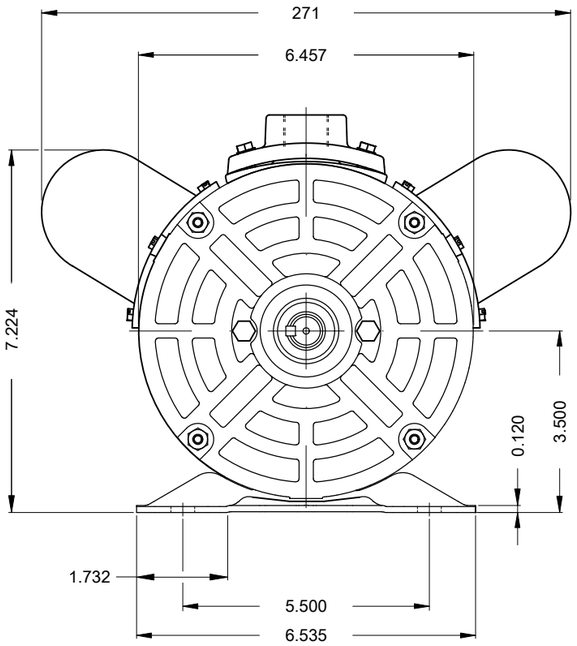
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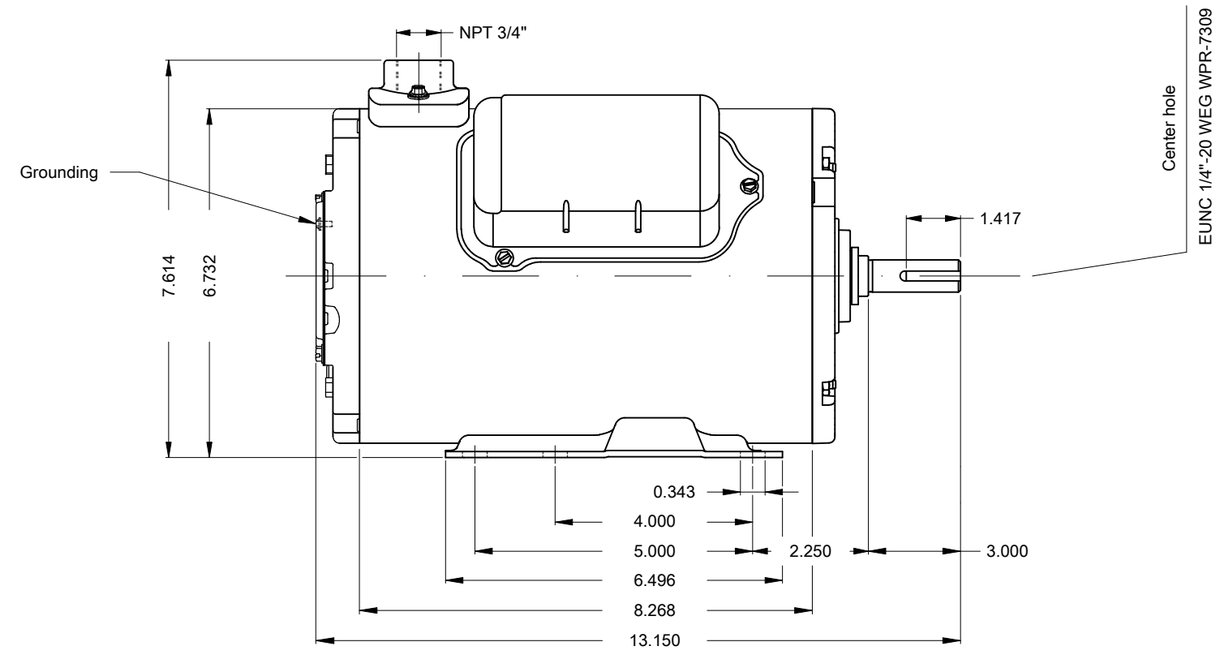
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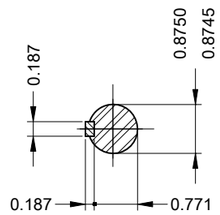
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DE Shaft End

Mounting MARKET F-3/B3T

Mounting B3T

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
			ALVAREZZ				00

EXECUTED	ALVAREZZ	SINGLE PH. MOTOR ROLLED STEEL GRAIN DRYER	PREVIEW
CHECKED		FRAME 143/5TZ IP55 TEAO	WDD 00
RELEASED			
REL. DATE		WEG HUEHUETOCA [Ingenieria Motores Comerciales]	SHEET 1 / 1

1.5-3.0 HP 02 Poles 60 Hz

A

Dimensions in inches

XME A3

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