DATA SHEET
Three Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: W01 - TEAO - Grain Dryer
Product code	: 19011227

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]	: Counter clockwise
Altitude	: 3280 ft	Starting method	: Direct On Line
Protection degree	: IP55	Approx. weight[3]	: 43.7 lb
Design	: B	Moment of inertia (J)	: 0.1471 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		575 V	575 V
Rated current		3.21 A	4.39 A
L. R. Amperes		35.3 A	35.1 A
LRC		11.0	8.0
No load current		1.56 A	1.56 A
Rated speed		3525 rpm	3485 rpm
Slip		2.08 %	3.19 %
Rated torque		4.41 ft.lb	6.69 ft.lb
Locked rotor torque		410 %	270 %
Pull up torque		345 %	230 %
Breakdown torque		510 %	300 %
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	7 s
Locked rotor time (cold)		14 s	13 s
Efficiency (%)	50%	77.7	82.1
	75%	82.1	84.1
	100%	83.8	83.9
Power Factor	50%	0.63	0.76
	75%	0.76	0.86
	100%	0.83	0.90

	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		1847406541	
Checked by	AUTOMATICO		Page	Rev.
Date	12/05/2026		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		

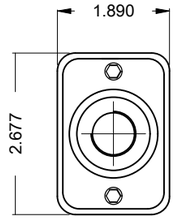
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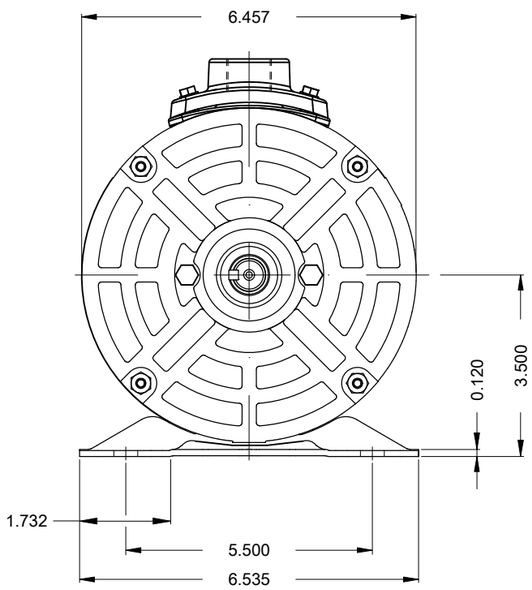
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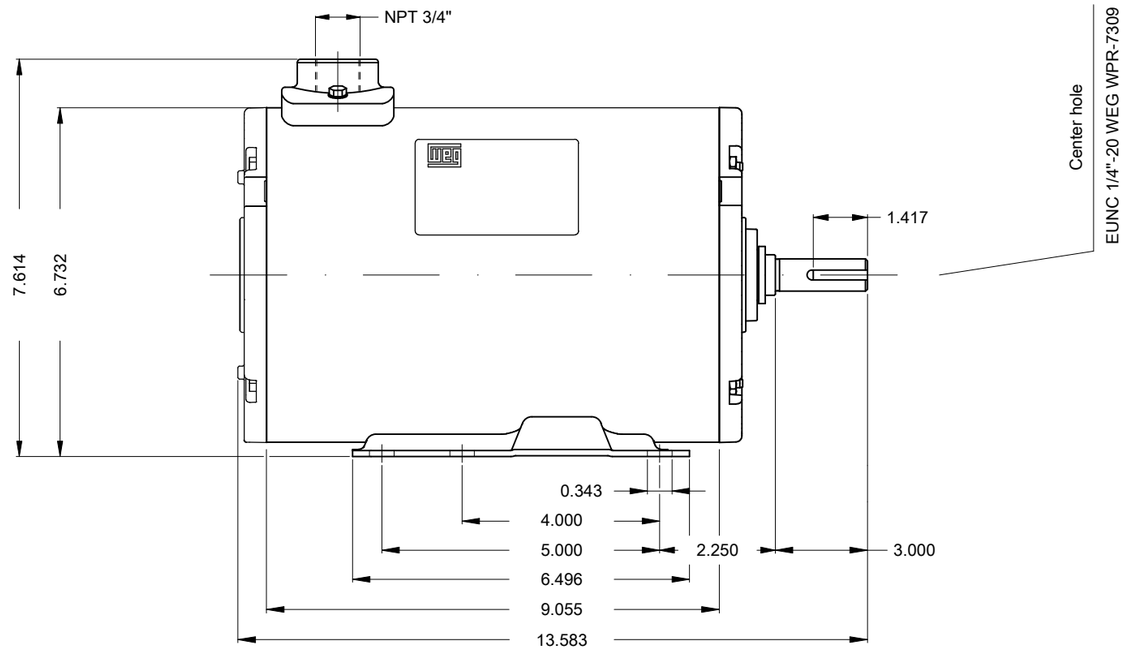
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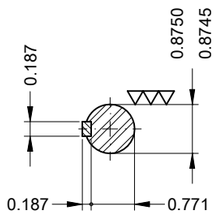
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DE Shaft End

Reinforce the foot with 2 mig welding spots

Color RAL 7031

Painting plan 207N

Mounting MARKET F-3/B3T

Mounting B3T

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

EXECUTED	ALVAREZZ	THREE 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	

3.0-4.5 HP 02 Poles 60 Hz

A

Dimensions in inches

XME A3

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