DATA SHEET
Three Phase Induction Motor - Squirrel Cage

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

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	Rotation¹	: Counter clockwise
Altitude	: 3280 ft	Starting method	: Direct On Line
Protection degree	: IP55	Approx. weight³	: 74.1 lb
Design	: B	Moment of inertia (J)	: 0.1922 sq.ft.lb

Output		5 HP (3.7 kW)	7.5 HP (5.5 kW)
Poles		2	2
Frequency		60 Hz	60 Hz
Rated voltage		575 V	575 V
Rated current		5.16 A	7.09 A
L. R. Amperes		57.8 A	57.4 A
LRC		11.2	8.1
No load current		2.24 A	2.24 A
Rated speed		3535 rpm	3495 rpm
Slip		1.81 %	2.92 %
Rated torque		7.31 ft.lb	11.1 ft.lb
Locked rotor torque		390 %	260 %
Pull up torque		330 %	220 %
Breakdown torque		520 %	350 %
Service factor		1.00	1.00
Temperature rise		105 K	105 K
Noise level²		68.0 dB(A)	68.0 dB(A)
Locked rotor time (hot)		14 s	7 s
Locked rotor time (cold)		25 s	13 s
Efficiency (%)	50%	83.6	86.7
	75%	86.7	87.9
	100%	87.8	87.5
Power Factor	50%	0.61	0.74
	75%	0.74	0.84
	100%	0.82	0.89

Losses at normative operating points (speed;torque), in percentage of rated output power

Losses (%)	P1(0,9;1,0)	12.7	13.0
	P2(0,5;1,0)	8.6	8.8
	P3(0,25;1,0)	7.3	7.6
	P4(0,9;0,5)	8.4	8.6
	P5(0,5;0,5)	4.5	4.6
	P6(0,5;0,25)	3.5	3.6
	P7(0,25;0,25)	2.0	2.0

	Drive end	Non drive end
Bearing type	6206-ZZ	6205-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.

Rev.	Changes Summary	Rev.	Checked	Date

Performed by	farazq		1850604889	
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		

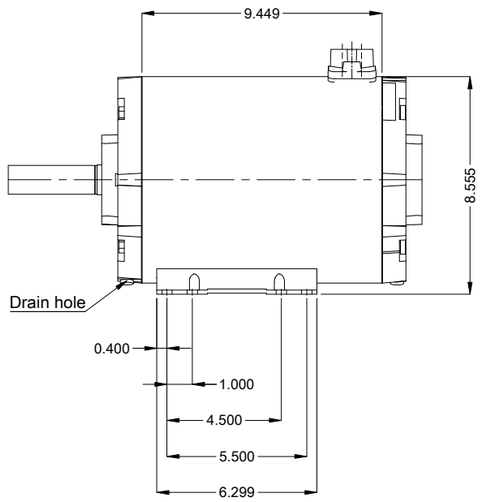
This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.

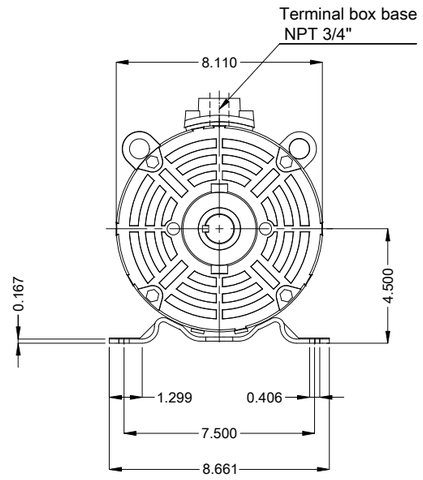
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

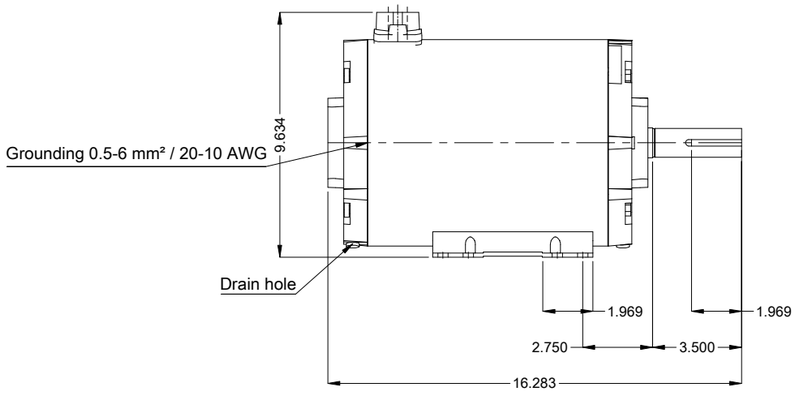
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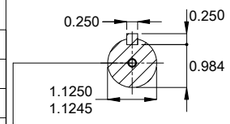
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DE Shaft End



EUNC 1/4"-20 WEG WPR-7309

Color RAL 7031
Painting plan 207N
Mounting MARKET F-3/B3T
Mounting B3T

5.0-7.5 HP 02 Poles 60 Hz | A

Scale 1 : 6

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR ROLLED STEEL GRAIN DRYER
FRAME 182/4TZ IP55 TEAO

PREVIEW
WDD 00
SHEET 1 / 1

Dimensions in inches

A3

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