DATA SHEET
Three Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: Special Motor

Frame	: 182/4TZ	Cooling method	: IC418 - TEAO
Insulation class	: F	Mounting	: F-3/B3T
Duty cycle	: S1	Rotation[1]	: Counter clockwise
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight[3]	: 72.3 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.0000 sq.ft.lb
Design	: B		

Output		3 HP (2.2 kW)	4.5 HP (3.3 kW)
Poles		2	2
Frequency		60 Hz	60 Hz
Rated voltage		208-230/460 V	208-230/460 V
Rated current		9.45-8.54/4.27 A	12.5-11.3/5.67 A
L. R. Amperes		104-93.9/47.0 A	105-94.9/47.6 A
LRC		11.0 x Code N	8.4 x Code K
No load current		0.000-5.70/2.85 A	0.000-6.80/3.40 A
Rated speed		3540 rpm	3510 rpm
Slip		1.67 %	2.50 %
Rated torque		4.45 ft.lb	6.73 ft.lb
Locked rotor torque		380.0 %	250.0 %
Pull up torque		320.0 %	210.0 %
Breakdown torque		550.0 %	380.0 %
Service factor		1.00	1.00
Temperature rise		105 K	105 K
Locked rotor time (hot)		10 s	10 s
Locked rotor time (cold)		18 s	18 s
Efficiency (%)	50%	79.8	83.9
	75%	84.2	86.4
	100%	86.2	86.9
Power Factor	50%	0.53	0.74
	75%	0.66	0.84
	100%	0.75	0.84

	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.

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	janinnes	1853375655	
Checked by	AUTOMATICO	Page	Rev.
Date	27/05/2026	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
Minimum Air flow @ 3.0 HP - 17.9 m/s
Minimum Air flow @ 4.5 HP - 18.4 m/s

Standards

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

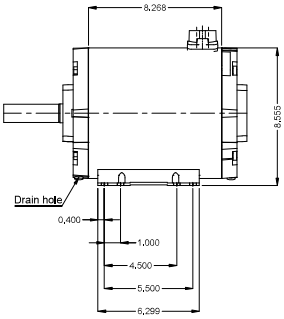
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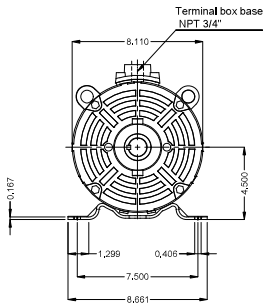
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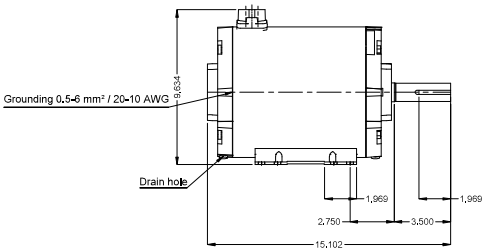
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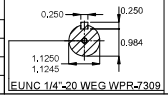






Color RAL 7031
Painting plan 207N
Mounting MARKET F-3/B3T
Mounting B3T

DE Shaft End



EUNC 1/4"-20 WEG WPR-7309

3.0-4.5 HP 02 Poles 60 Hz | A

V.J. PAMENSKY CANADA INC.

Scale 1 : 6

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

EXECUTED	PIRWBUSER	THREE PH. MOTOR ROLLED STEEL GRAIN DRYER	PREVIEW
CHECKED		FRAME 182/4TZ IP55 TEAO	WDD 00
RELEASED			SHEET 1 / 1
REL. DATE			

Dimensions in inches

A3

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