

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEAO - Grain Dryer Product code : 18661282

Frame	: 213/5TZ	Cooling method	: IC418 - TEAO
Insulation class	: F	Minimum air speed over motor	: 20.1 m/s
Duty cycle	: S1	Mounting	: F-3/B3T
Ambient temperature	: -20 °C to +40 °C	Rotation <sup>1</sup>	: Counter clockwise
Altitude	: 3280 ft	Starting method	: Direct On Line
Protection degree	: IP55	Approx. weight <sup>3</sup>	: 129 lb
Design	: B	Moment of inertia (J)	: 0.6787 sq.ft.lb

Output	10 HP (7.5 kW)	15 HP (11 kW)	
Poles	2	2	
Frequency	60 Hz	60 Hz	
Rated voltage	575 V	575 V	
Rated current	9.92 A	13.8 A	
L. R. Amperes	72.4 A	96.3 A	
LRC	7.3	7.0	
No load current	3.84 A	3.84 A	
Rated speed	3550 rpm	3510 rpm	
Slip	1.39 %	2.50 %	
Rated torque	14.6 ft.lb	22.1 ft.lb	
Locked rotor torque	350 %	230 %	
Pull up torque	285 %	185 %	
Breakdown torque	460 %	290 %	
Service factor	1.00	1.00	
Temperature rise	105 K	105 K	
Noise level <sup>2</sup>	70.0 dB(A)	70.0 dB(A)	
Locked rotor time (hot)	23 s	11 s	
Locked rotor time (cold)	41 s	20 s	
Efficiency (%)	50%	90.9	91.8
	75%	92.3	91.8
	100%	92.5	91.0
Power Factor	50%	0.63	0.76
	75%	0.76	0.85
	100%	0.82	0.88

Bearing type Lubrication interval Lubricant amount Lubricant type	Drive end	Non drive end	Foundation loads
	6208-ZZ	6206-ZZ	Max. traction :
	-	-	Max. compression :
	-	-	Load type :-
	MOBIL POLYREX EM		Load torque :-
			Load inertia (J=GD <sup>2</sup> /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	1847422562		
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

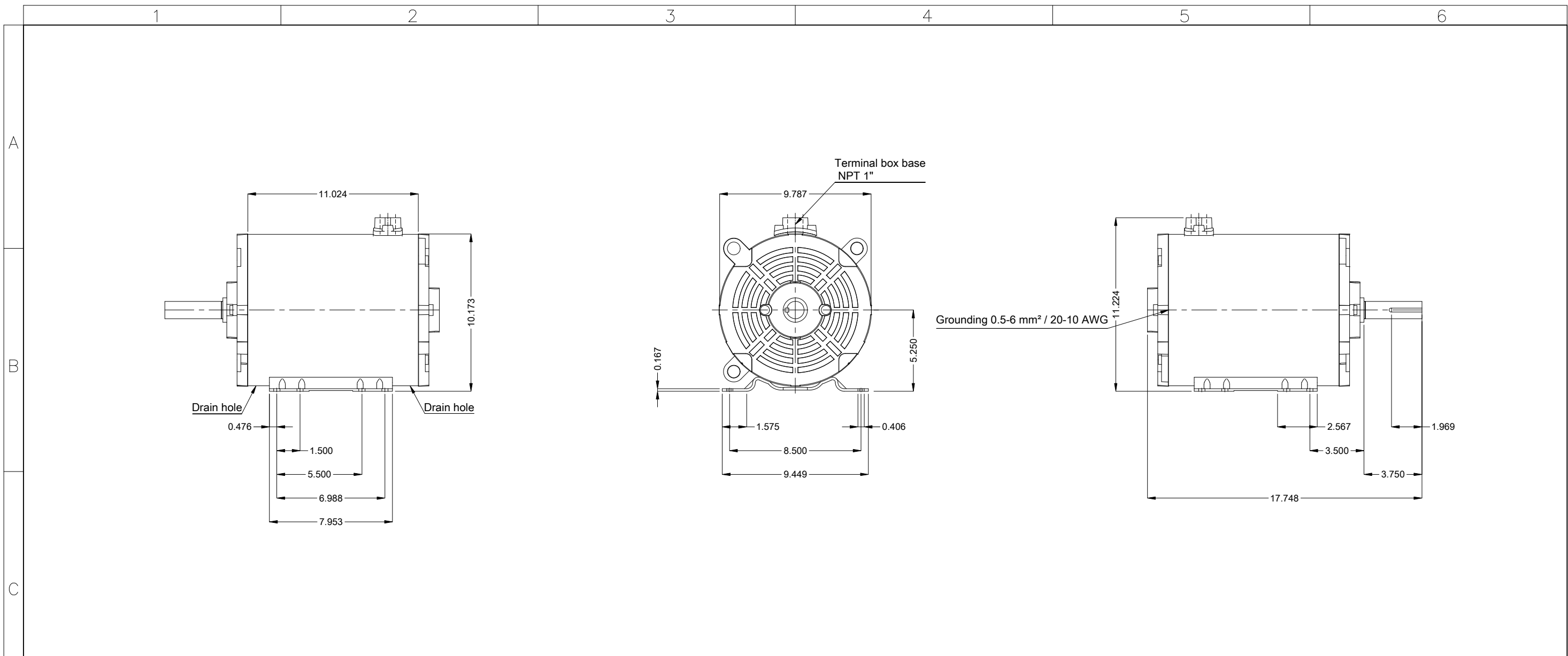
Notes

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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				10-15 HP 02 Poles 60 Hz		A	
				Scale		2 : 13	
				HYBRISUSER		00	
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED	DATE
EXECUTED	HYBRISUSER	THREE PH. MOTOR ROLLED STEEL GRAIN DRYER					
CHECKED		FRAME 213/5TZ IP55 TEAO					
RELEASED							
REL. DATE							
				PREVIEW		WDD 00	
				SHEET		1 / 1	

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

