

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Frame	: 56CZ	Locked rotor time	: 18 s (hot) 32 s (cold)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 575 V	Altitude	: 3280 ft
Rated current	: 1.82 A	Protection degree	: IP55
L. R. Amperes	: 14.6 A	Cooling method	: IC410 - TENV
LRC	: 8.0 Code L	Mounting	: F-1/B34R(D)
No load current	: 1.20 A	Rotation ¹	: Both
Rated speed	: 1750 rpm	Noise level ²	: -
Slip	: 2.78 %	Vibration class	: A
Rated torque	: 4.50 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 340.0 %	Approx. weight ³	: 44.0 lb
Pull up torque	: 305.0 %	Painting plan	: 207N
Breakdown torque	: 410.0 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: H	Design	: B
Service factor	: 1.00		
Moment of inertia (J)	: 0.0949 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	84.0	86.5	86.5	Load torque	: -
Power Factor	0.46	0.59	0.70	Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end	Foundation loads	
Bearing type	6204-ZZ	6203-ZZ	Max. traction	:
Lubrication interval	-	-	Max. compression	:
Lubricant amount	-	-		
Lubricant type	MOBIL POLYREX EM			

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	martint			Page 1 / 2 Rev. 0	
Checked by					
Date	06/03/2026				

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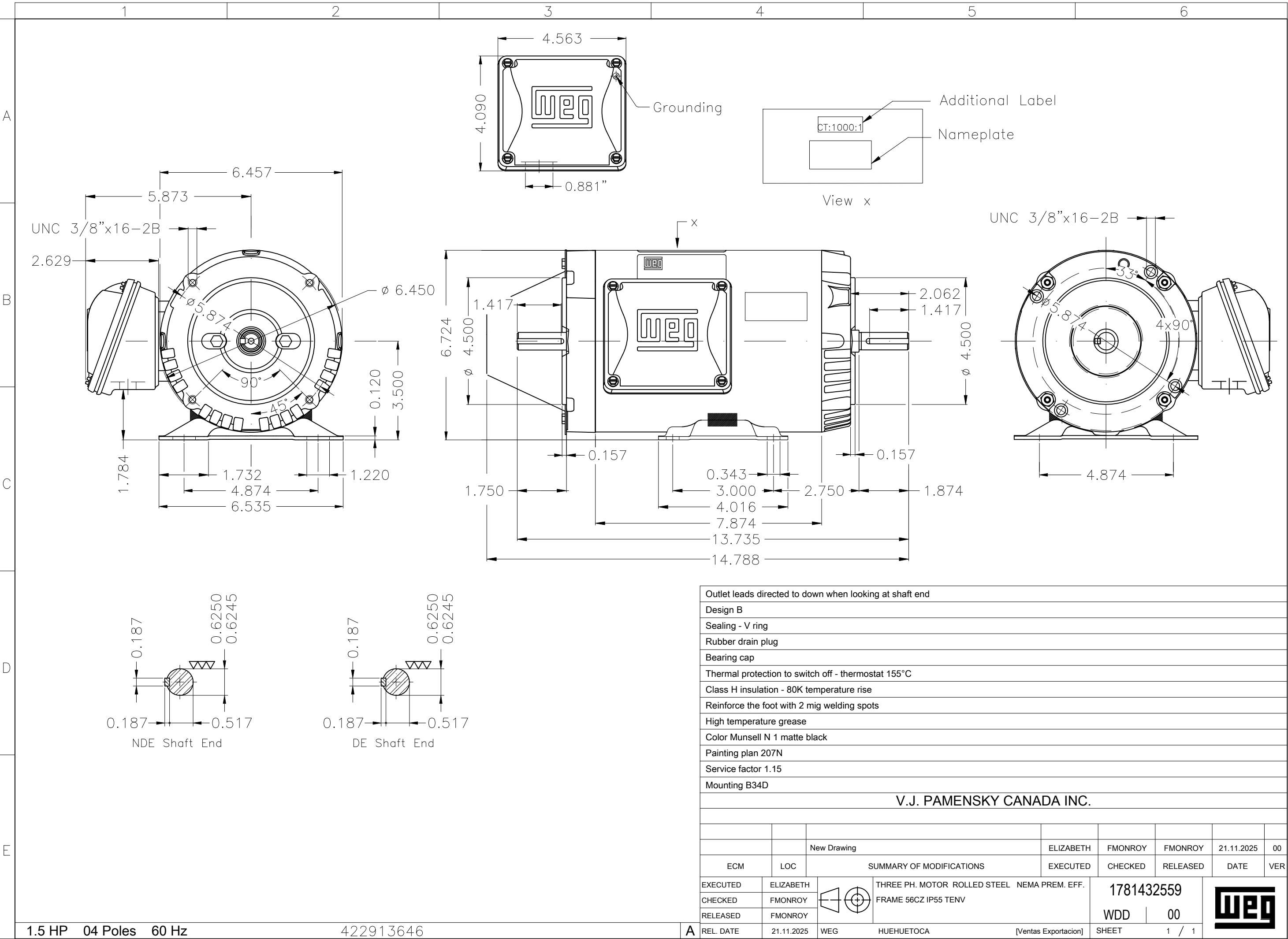


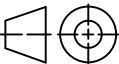
Customer		: V.J. PAMENSKY CANADA INC.		
Product line		: Special Motor		
Thermal protection				
ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155°C

Notes

- CSA / UL certified motor with the following characteristics:
- * Variable torque: 1000: 1
- * Constant torque: 4: 1

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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Outlet leads directed to down when looking at shaft end									
Design B									
Sealing - V ring									
Rubber drain plug									
Bearing cap									
Thermal protection to switch off - thermostat 155°C									
Class H insulation - 80K temperature rise									
Reinforce the foot with 2 mig welding spots									
High temperature grease									
Color Munsell N 1 matte black									
Painting plan 207N									
Service factor 1.15									
Mounting B34D									
V.J. PAMENSKY CANADA INC.									
		New Drawing		ELIZABETH	FMONROY	FMONROY	21.11.2025	00	
ECM	LOC	SUMMARY OF MODIFICATIONS		EXECUTED	CHECKED	RELEASED	DATE	VER	
EXECUTED	ELIZABETH		THREE PH. MOTOR ROLLED STEEL NEMA PREM. EFF.	1781432559					
CHECKED	FMONROY		FRAME 56CZ IP55 TENV						
RELEASED	FMONROY				WDD		00		
REL. DATE	21.11.2025	WEG	HUEHUETOCA	[Ventas Exportacion]	SHEET		1 / 1		
									