

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Frame	: 143/5TCZ	Locked rotor time	: 17 s (hot) 30 s (cold)
Output	: 1 HP (0.75 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	: 1.17 A	Protection degree	: IP55
L. R. Amperes	: 10.1 A	Cooling method	: IC410 - TENV
LRC	: 8.6 Code M	Mounting	: F-1/B34R(D)
No load current	: 0.710 A	Rotation ¹	: Both
Rated speed	: 1760 rpm	Noise level ²	: -
Slip	: 2.22 %	Vibration class	: A
Rated torque	: 2.98 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 280.0 %	Approx. weight ³	: 37.9 lb
Pull up torque	: 230.0 %	Painting plan	: 207N
Breakdown torque	: 300.0 %	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 (%)	82.5	84.0	85.5	Load torque	: -
Power Factor	0.52	0.66	0.75	Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end	Foundation loads
Bearing type	6205-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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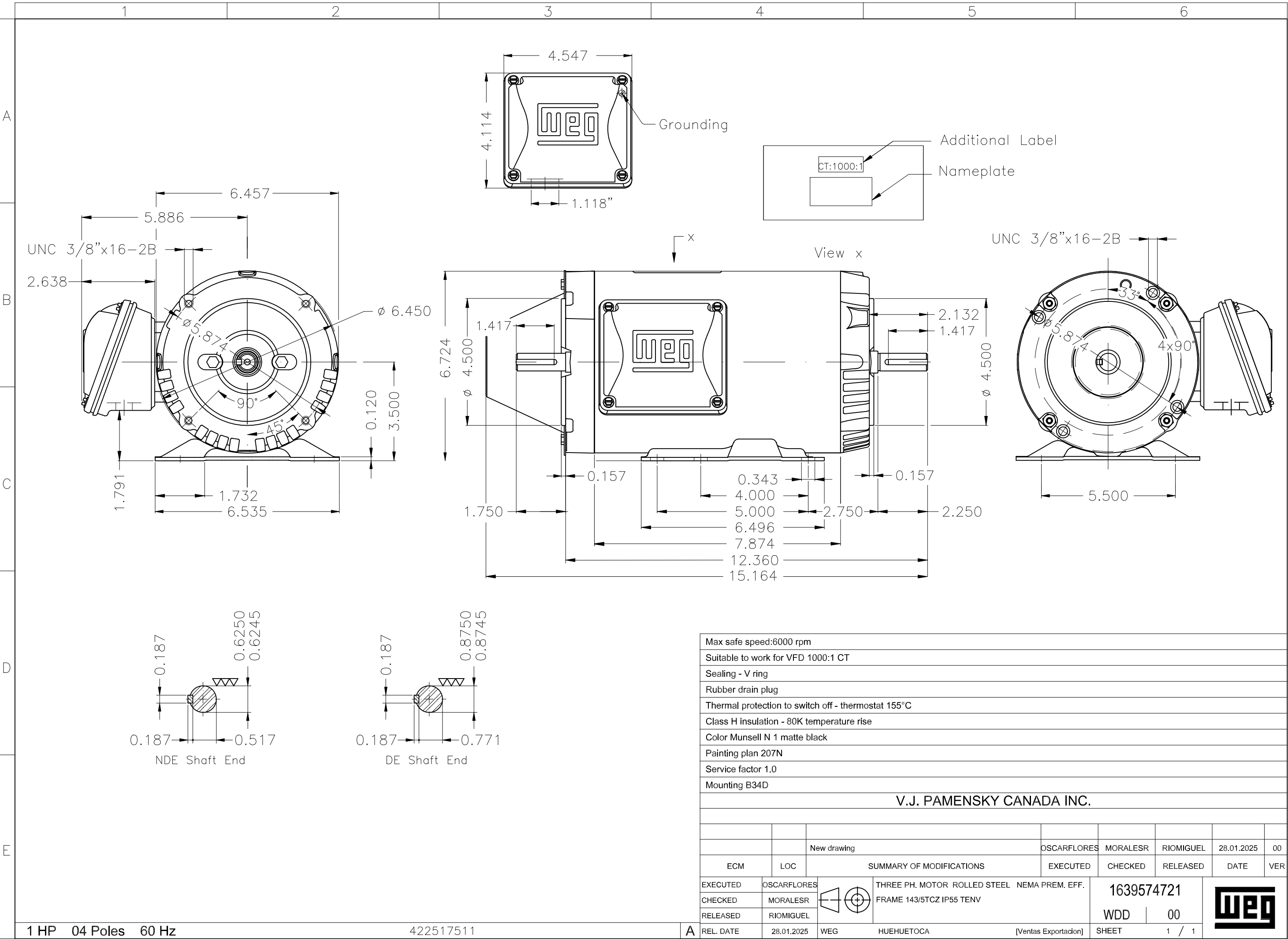
Customer		: V.J. PAMENSKY CANADA INC.		
Product line		: Special Motor		
Thermal protection				
ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155°C

Notes

- CSA / UL certified motor with the following characteristics:
- * Variable torque: 1000: 1
- * Constant torque: 5: 1

- Motor suitable for CT 1000:1.

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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Max safe speed:6000 rpm									
Suitable to work for VFD 1000:1 CT									
Sealing - V ring									
Rubber drain plug									
Thermal protection to switch off - thermostat 155°C									
Class H insulation - 80K temperature rise									
Color Munsell N 1 matte black									
Painting plan 207N									
Service factor 1.0									
Mounting B34D									
V.J. PAMENSKY CANADA INC.									
		New drawing			OSCARFLORES	MORALESR	RIOMIGUEL	28.01.2025	00
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	OSCARFLORES	 THREE PH. MOTOR ROLLED STEEL NEMA PREM. EFF. FRAME 143/5TCZ IP55 TENV			1639574721				
CHECKED	MORALESR								
RELEASED	RIOMIGUEL								
REL. DATE	28.01.2025	WEG	HUEHUETOCA		[Ventas Exportacion]	SHEET	1 / 1		