

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Frame	: 143/5TCZ	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	: 41.5 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	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				

DATA SHEET

Three Phase Induction Motor - Squirrel Cage

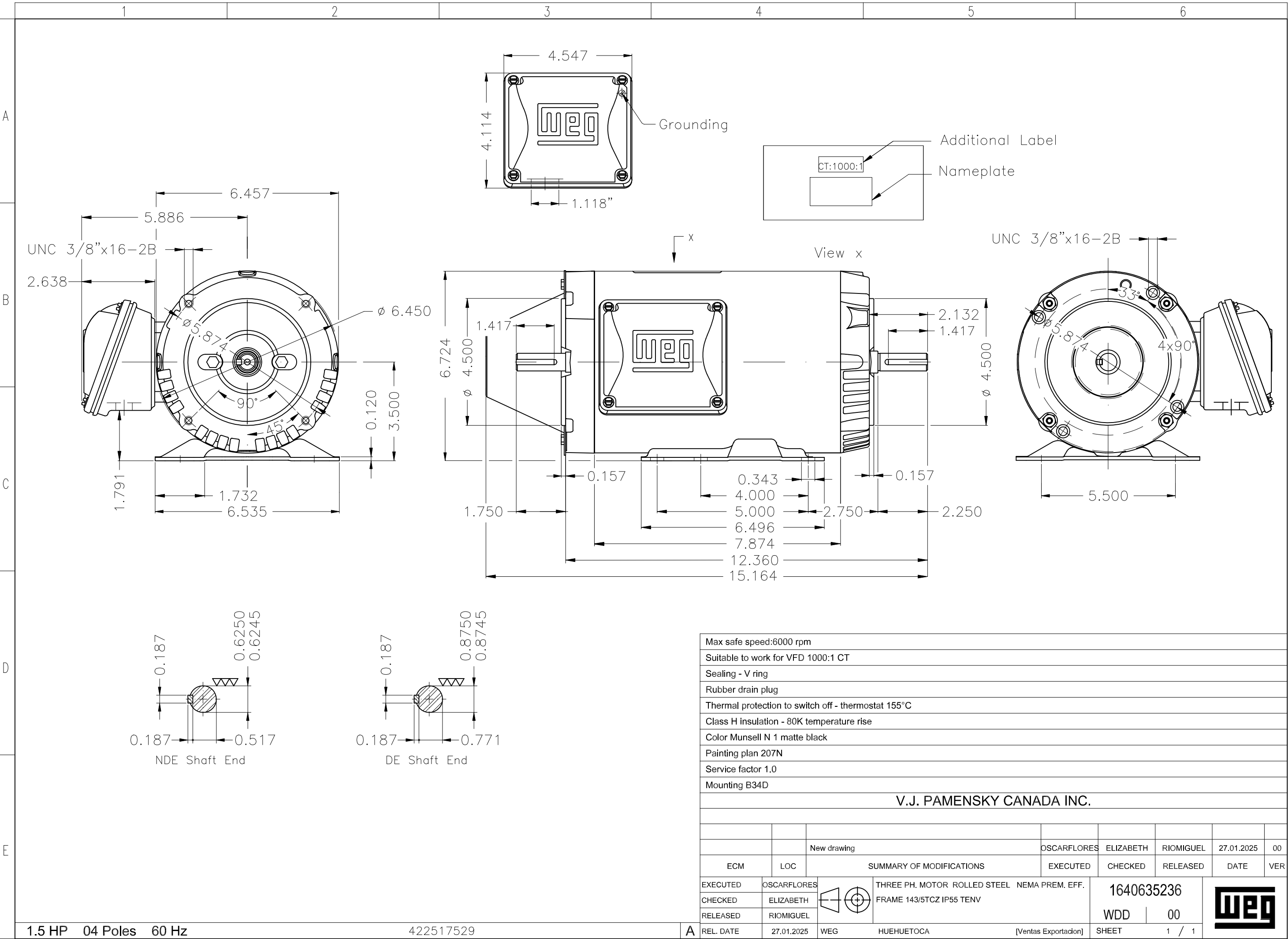


Customer		: V.J. PAMENSKY CANADA INC.		
Product line		: Special Motor		
Thermal protection				
ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155°C

Notes

- CSA / UL certified motor with the following characteristics:
- * Variable torque: 1000: 1
- * Constant torque: 4: 1
- 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				
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 2 / 2 Rev. 0		
Checked by						
Date		06/03/2026				



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	ELIZABETH	RIOMIGUEL	27.01.2025	00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	OSCARFLORES		THREE PH. MOTOR ROLLED STEEL NEMA PREM. EFF.			1640635236				
CHECKED	ELIZABETH		FRAME 143/5TCZ IP55 TENV			WDD 00				
RELEASED	RIOMIGUEL									
REL. DATE	27.01.2025	WEG	HUEHUETOCA [Ventas Exportacion]			SHEET 1 / 1				

1.5 HP 04 Poles 60 Hz

422517529

A