

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Frame	: 56CZ	Locked rotor time	: 16 s (hot) 28 s (cold)
Output	: 0.75 HP (0.55 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	: 1.04 A	Protection degree	: IP55
L. R. Amperes	: 9.36 A	Cooling method	: IC410 - TENV
LRC	: 9.0 Code N	Mounting	: F-1/B34R(D)
No load current	: 0.730 A	Rotation ¹	: Both
Rated speed	: 1770 rpm	Noise level ²	: -
Slip	: 1.67 %	Vibration class	: A
Rated torque	: 2.23 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 350.0 %	Approx. weight ³	: 29.9 lb
Pull up torque	: 290.0 %	Painting plan	: 207N
Breakdown torque	: 450.0 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: H		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0712 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	77.0	77.0	81.5	Load torque	: -
Power Factor	0.43	0.56	0.65	Load inertia (J=GD ² /4)	: -
Bearing type	Drive end 6204-ZZ	Non drive end 6203-ZZ		Foundation loads	
Lubrication interval	-	-		Max. traction	:
Lubricant amount	-	-		Max. compression	:
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		Rev.
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Date	06/03/2026				

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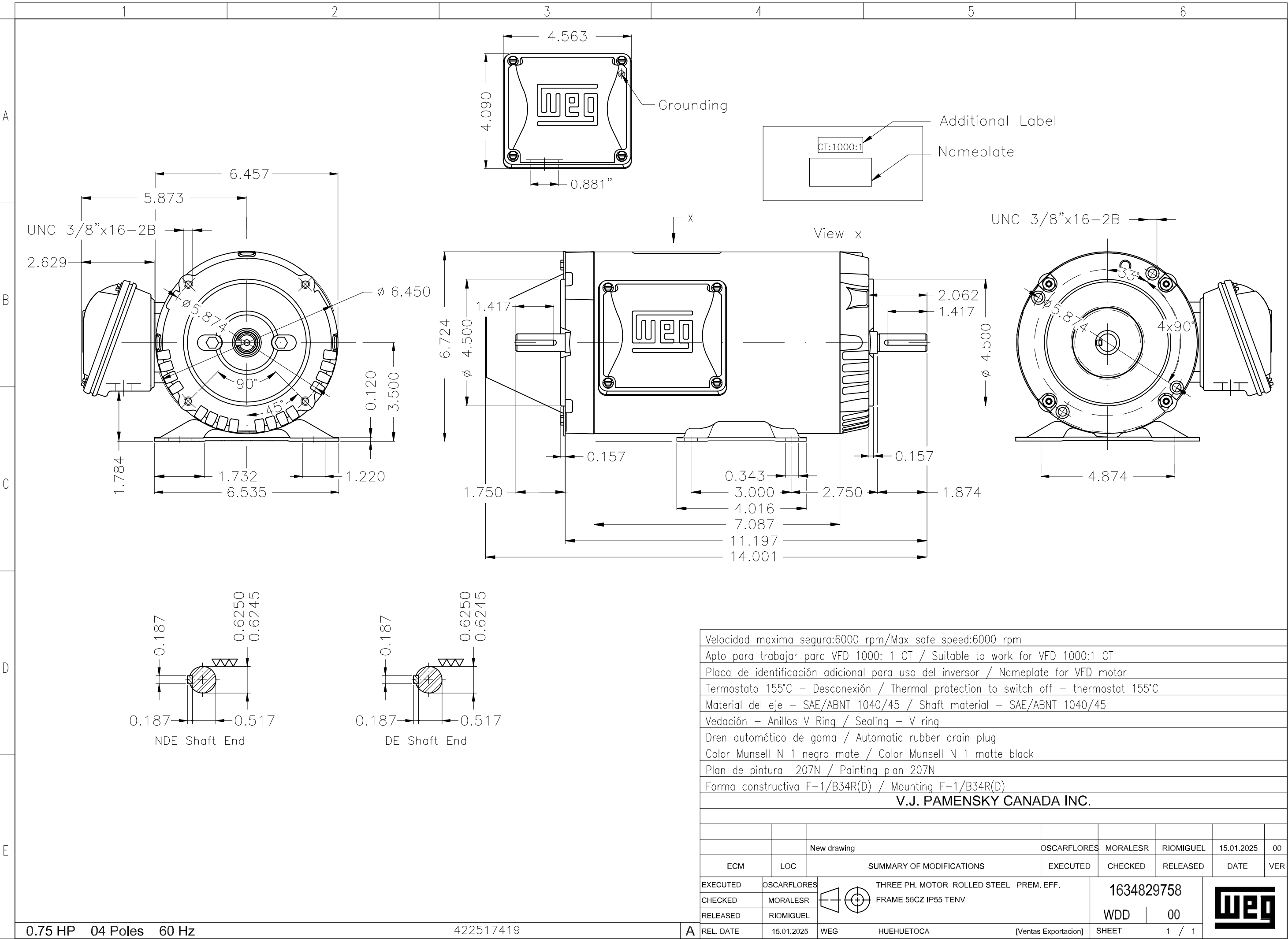
Customer		: V.J. PAMENSKY CANADA INC.		
Product line		: Special Motor		
Thermal protection				
ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155°C

Notes

- CSA / UL certified motor with the following characteristics:
- * Variable torque: 1000: 1
- * Constant torque: 10: 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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Velocidad maxima segura:6000 rpm/Max safe speed:6000 rpm						
Apto para trabajar para VFD 1000: 1 CT / Suitable to work for VFD 1000:1 CT						
Placa de identificación adicional para uso del inversor / Nameplate for VFD motor						
Termostato 155°C – Desconexión / Thermal protection to switch off – thermostat 155°C						
Material del eje – SAE/ABNT 1040/45 / Shaft material – SAE/ABNT 1040/45						
Vedación – Anillos V Ring / Sealing – V ring						
Dren automático de goma / Automatic rubber drain plug						
Color Munsell N 1 negro mate / Color Munsell N 1 matte black						
Plan de pintura 207N / Painting plan 207N						
Forma constructiva F-1/B34R(D) / Mounting F-1/B34R(D)						
V.J. PAMENSKY CANADA INC.						
New drawing			OSCARFLORES	MORALESR	RIOMIGUEL	15.01.2025 00
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE VER
EXECUTED	OSCARFLORES		THREE PH. MOTOR ROLLED STEEL PREM. EFF. FRAME 56CZ IP55 TENV		1634829758 WDD 00	
CHECKED	MORALESR					
RELEASED	RIOMIGUEL					
REL. DATE	15.01.2025	WEG	HUEHUETOCA	[Ventas Exportacion]	SHEET	1 / 1