

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : Special Motor

Frame	: 56CZ	Locked rotor time	: 27 s (hot) 49 s (cold)
Output	: 0.25 HP (0.18 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	: 0.478 A	Protection degree	: IP55
L. R. Amperes	: 3.13 A	Cooling method	: IC410 - TENV
LRC	: 6.5 Code N	Mounting	: F-1/B34R(D)
No load current	: 0.440 A	Rotation ¹	: Both
Rated speed	: 1770 rpm	Noise level ²	: -
Slip	: 1.67 %	Vibration class	: A
Rated torque	: 0.745 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 270.0 %	Approx. weight ³	: 22.8 lb
Pull up torque	: 245.0 %	Painting plan	: 207N
Breakdown torque	: 440.0 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: H		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0475 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	61.0	67.0	70.0
Power Factor	0.40	0.47	0.54

Load type	: -
Load torque	: -
Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end
Bearing type	6204-ZZ	6203-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	:
Max. compression	:

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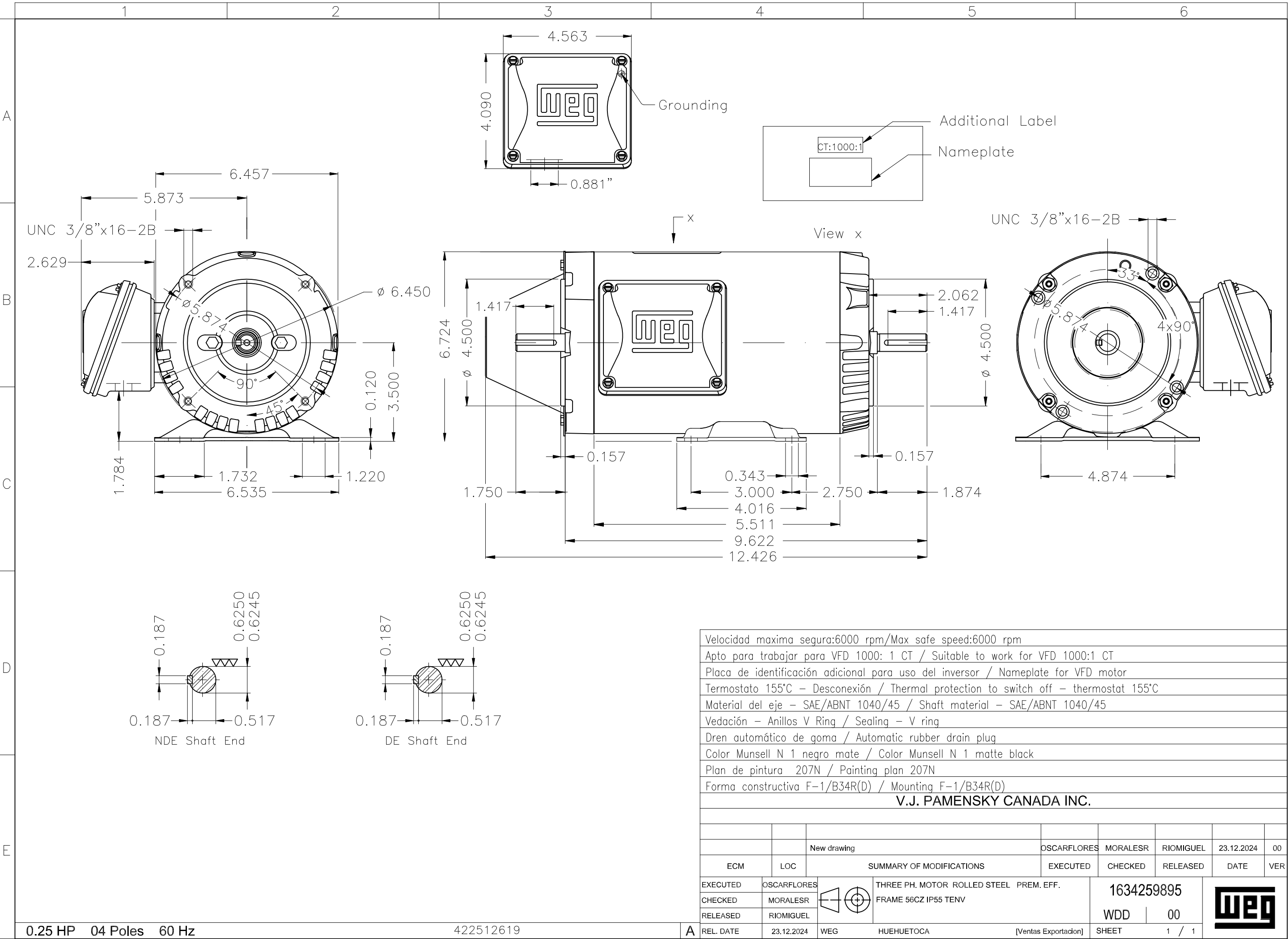
Customer		: V.J. PAMENSKY CANADA INC.		
Product line		: Special Motor		
Thermal protection				
ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155°C

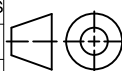
Notes

- CSA / UL certified motor with the following characteristics:
- * Variable torque: 1000: 1
- * Constant torque: 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	23.12.2024	00
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	OSCARFLORES		THREE PH. MOTOR ROLLED STEEL PREM. EFF. FRAME 56CZ IP55 TENV			1634259895			
CHECKED	MORALESR								
RELEASED	RIOMIGUEL								
REL. DATE	23.12.2024	WEG	HUEHUETOCA		[Ventas Exportacion]		SHEET		

0.25 HP 04 Poles 60 Hz

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