

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - TEFC - Nema Premium Efficiency

Frame	: 254/6TC	Locked rotor time	: 19 s (hot) 34 s (cold)
Output	: 15 HP (11 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 230/460 V	Altitude	: 3280 ft
Rated current	: 36.4/18.2 A	Protection degree	: IP55
L. R. Amperes	: 237/118 A	Cooling method	: IC411 - TEFC
LRC	: 6.5	Mounting	: F-1/B14R(D)
No load current	: 17.3/8.65 A	Rotation ¹	: Both
Rated speed	: 1770 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 1.67 %	Vibration class	: A
Rated torque	: 43.9 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 250 %	Approx. weight ³	: 227 lb
Pull up torque	: 210 %	Painting plan	: 207N
Breakdown torque	: 300 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: B
Service factor	: 1.15		
Moment of inertia (J)	: 2.15 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	91.0	92.4	92.4	Load torque	: -
Power Factor	0.64	0.76	0.82	Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end	Foundation loads
Bearing type #1	6309-Z-C3	6208-Z-C3	Max. traction
Bearing type #2	-	-	Max. compression
Lubrication interval	20000 h	20000 h	
Lubricant amount #1	13 g	8 g	
Lubricant amount #2	-	-	
Lubricant type	MOBIL POLYREX EM		

Notes

See notes on page 2.

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
9.5	8.4	8.1	4.5	3.3	2.1	1.6

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	farazq			1859838453	
Checked by	AUTOMATICO			Page	Rev.
Date	12/06/2026			1 / 2	0

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature
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Notes

USABLE @208V 40.2A SF 1.00 SFA 40.2A

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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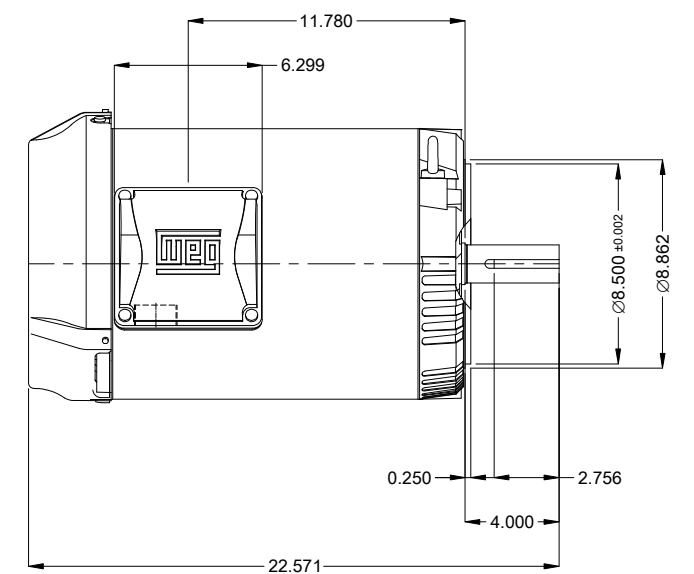
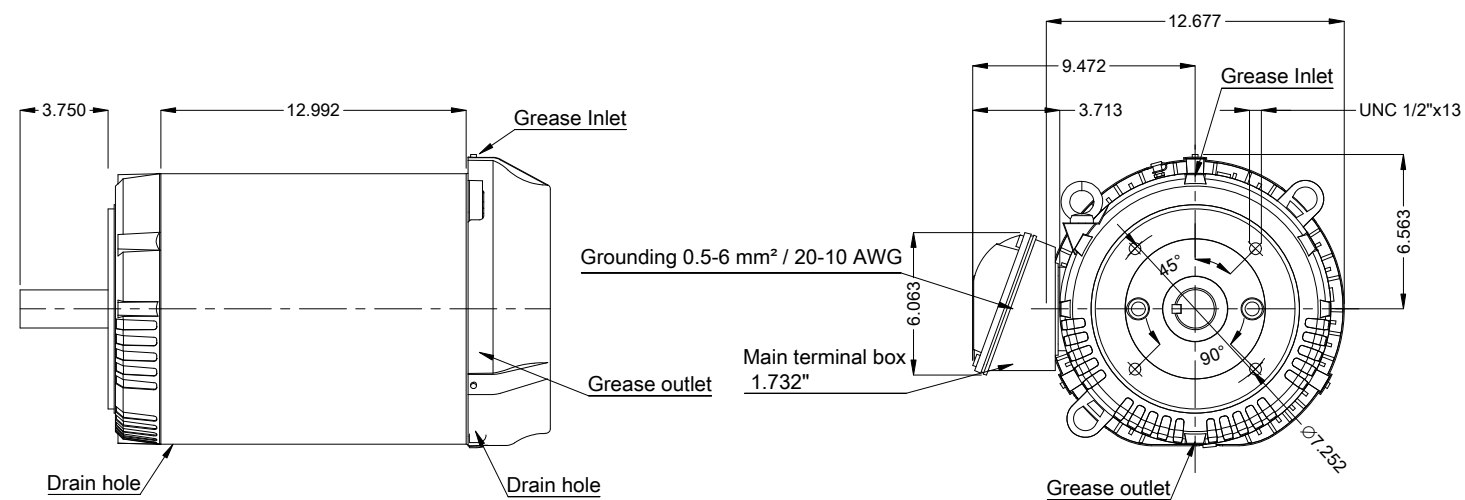
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15 HP 04 Poles 60 Hz										A
V.J. PAMENSKY CANADA INC.										
						Scale			1 : 8	
						PIRWBUSER				00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWBUSER			THREE PH. MOTOR ROLLED STEEL NEMA PREM. EFF. FRAME 254/6TC IP55 TEFC			PREVIEW WDD 00			
CHECKED										
RELEASED										
REL. DATE										
						SHEET		1 / 1		

Color Munsell N 1 matte black
Painting plan 207N
Mounting MARKET F-1/B14R(D)
Mounting F-1/B14R(D)

