DATA SHEET
Single Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: Special Motor
Product code	: 17009610

Frame	: 56Z	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1/B14R(D)
Duty cycle	: S1	Rotation[1]	: Both
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight[3]	: 31.1 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.0831 sq.ft.lb

Output		0.5 HP (0.37 kW)	0.5 HP (0.37 kW)
Poles		4	4
Frequency		60 Hz	50 Hz
Rated voltage		115/208-230 V	110/220 V
Rated current		7.06/3.70-3.53 A	8.09/4.04 A
L. R. Amperes		44.5/21.0-22.2 A	48.5/24.2 A
LRC		6.3 x Code M	6.0 x Code M
No load current		5.50/2.45-2.75 A	6.70/3.35 A
Rated speed		1745 rpm	1450 rpm
Slip		3.06 %	3.33 %
Rated torque		1.50 ft.lb	1.81 ft.lb
Locked rotor torque		400.0 %	360.0 %
Pull up torque		340.0 %	305.0 %
Breakdown torque		290.0 %	270.0 %
Service factor		1.15	1.15
Temperature rise		80 K	80 K
Noise level[2]		54.0 dB(A)	54.0 dB(A)
Locked rotor time (hot)		25 s	28 s
Locked rotor time (cold)		45 s	50 s
Efficiency (%)	50%	55.0	50.0
	75%	62.5	56.0
	100%	68.0	64.0
Power Factor	50%	0.48	0.47
	75%	0.59	0.57
	100%	0.67	0.65

	Drive end	Non drive end
Bearing type	6204-ZZ	6202-ZZ
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	: -
Max. compression	: -
Load type	: -
Load torque	: -
Load inertia (J=GD²/4)	: -

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	farazq		1850024729	
Checked by	AUTOMATICO		Page	Rev.
Date	19/05/2026		1 / 2	0

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature

Notes

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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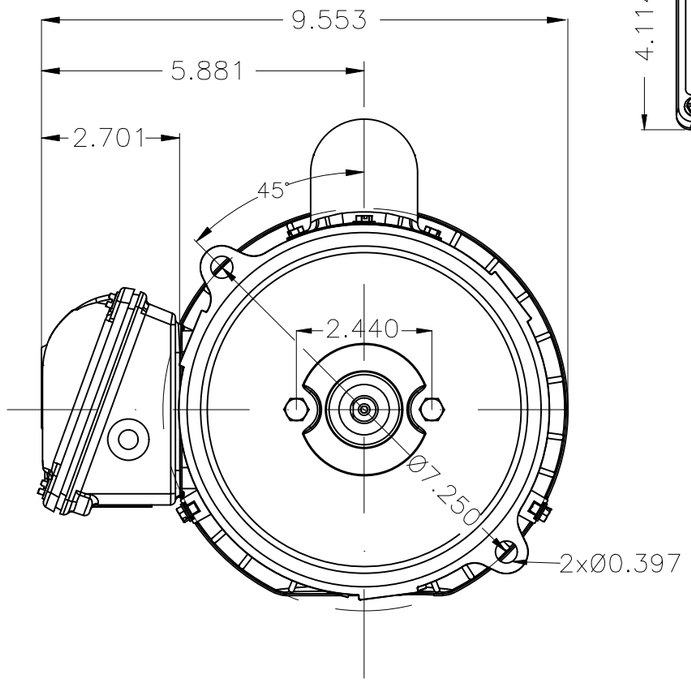
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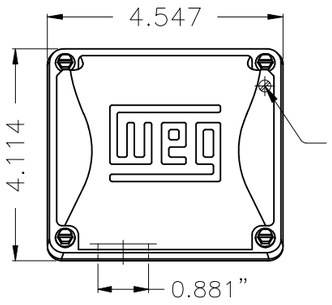
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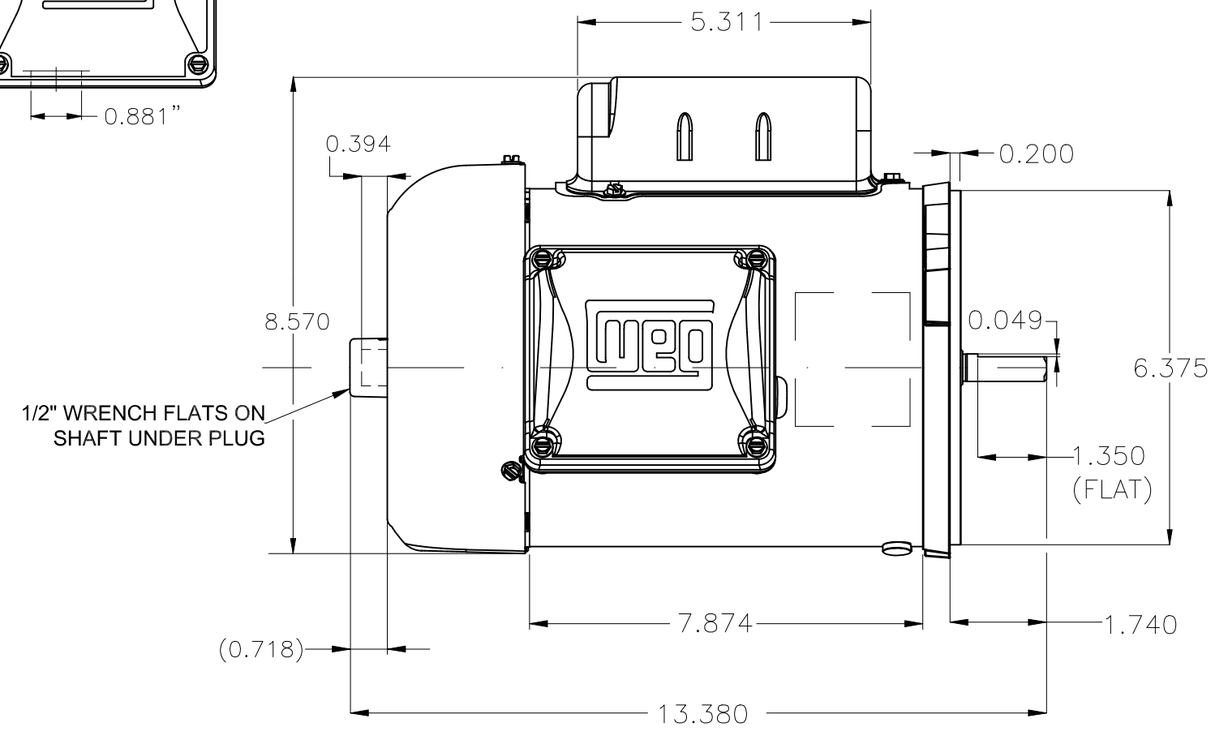
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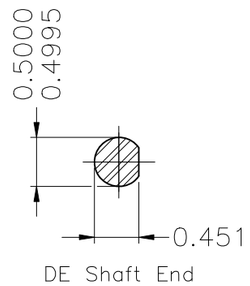
THIS IS AN UPDATED REVISION. THE PREVIOUS ONE MUST BE DISREGARDED.

PRELIMINARY DOCUMENT - Not to be used for installation purposes.









Sealing - V ring
Phenolic thermal protector - manual
NDE sealing - V ring
Grease - Mobil Polyrex EM
Class F insulation - 80K temperature rise
Shaft material - SAE/ABNT 1040/45
Rotation CW and CCW
Dipping impregnation - polyester
DE-bearing with double shield-ZZ
Bearing cap
Duty S1
Color Munsell N 1 matte black
Painting plan 207N
Service factor 1.15
Mounting F-1/B14R(D)

VJPAMENSKY CANADA INC

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
		ACCORDING TO CLAIM 422543225	GARTURO	OSCARFLORES	AROJAS	22.01.2025	05
		ACCORDING TO CLAIM 422505988	OSCARFLORES	GARTURO	AROJAS	02.01.2025	04

EXECUTED	ALVAREZZ	SINGLE PH. MOTOR ROLLED STEEL	1321641966
CHECKED	GARTURO	FRAME 56Z IP55 TEFC	WDD 05
RELEASED	EFRENZ		
REL. DATE	05.12.2022	WEG HUEHUETOCA [Ventas Exportacion]	SHEET 1 / 1

0.5 HP 04 Poles 60/50 Hz 421676737 A

Dimensions in inches

A3

XME

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