DATA SHEET
Three Phase Induction Motor - Squirrel Cage

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

Frame	: 56J	Locked rotor time	: 14 s (hot) 25 s (cold)
Output	: 5 HP (3.7 kW)	Temperature rise	: 105 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 230/460 V	Altitude	: 3280 ft
Rated current	: 12.5/6.24 A	Protection degree	: IP21
L. R. Amperes	: 114/56.8 A	Cooling method	: IC01 - ODP
LRC	: 9.1 Code L	Mounting	: F-1/B34R(D)
No load current	: 4.20/2.10 A	Rotation[1]	: Counter clockwise
Rated speed	: 3500 rpm	Noise level[2]	: 57.0 dB(A)
Slip	: 2.78 %	Vibration class	: A
Rated torque	: 7.52 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 390.0 %	Approx. weight[3]	: 53.6 lb
Pull up torque	: 325.0 %	Painting plan	: 207N
Breakdown torque	: 380.0 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: A
Service factor	: 1.15		
Moment of inertia (J)	: 0.1424 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	82.0	85.5	86.5
Power Factor	0.68	0.80	0.86

	Load type	: -
	Load torque	: -
	Load inertia (J=GD²/4)	: -

	Drive end	Non drive end
Bearing type #1	6204-2RS	6202-2RS
Bearing type #2	-	-
Lubrication interval	-	-
Lubricant amount #1	-	-
Lubricant amount #2	-	-
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	farazq		1866132305	
Checked by	AUTOMATICO		Page	Rev.
Date	26/06/2026		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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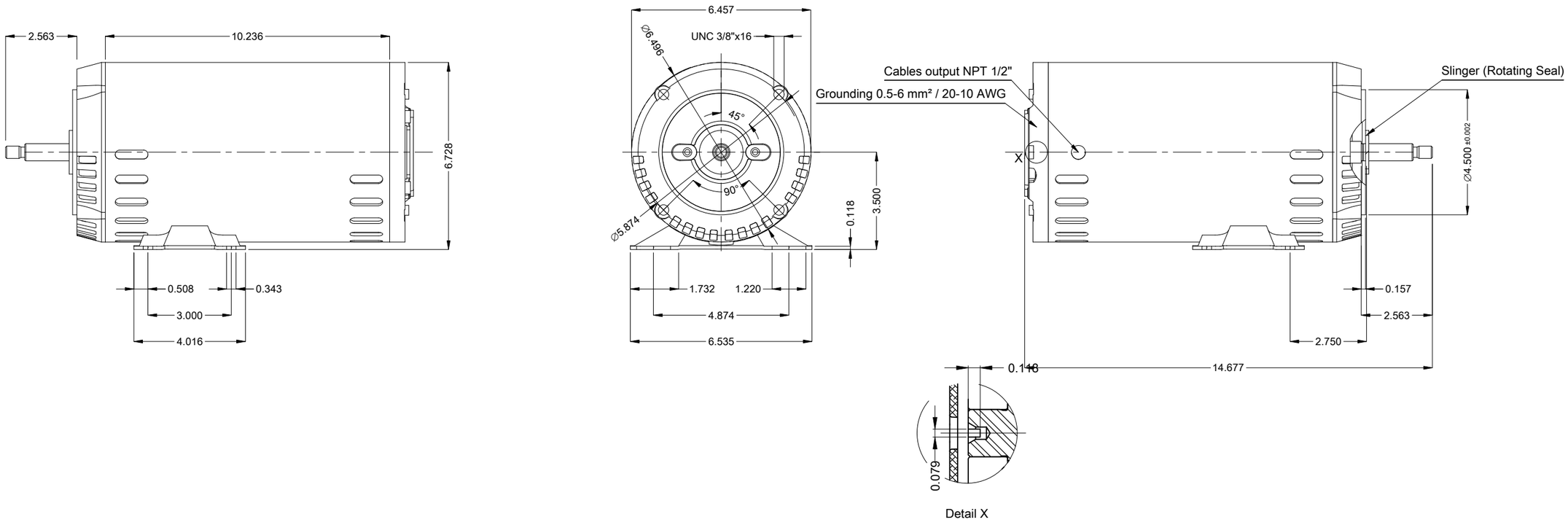

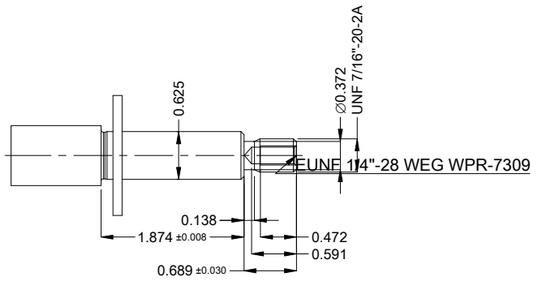

Design A
Dipping impregnation - polyester
Counterclockwise rotation
Shaft material - stainless steel AISI 304
Supplied without key
Slinger ring on shaft end
2RS NDE ball bearing
2RS DE ball bearing
Without overload protector at bearing
Without alarm thermal protection
Without switch off thermal protection
Color Munsell N 1 matte black
Painting plan 207N
Mounting MARKET F-1/B34R(D)
Mounting B34D

5 HP 02 Poles 60 Hz | A

Scale 1 : 4

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
			PIRWBUSER				00

EXECUTED	PIRWBUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED NEMA PREM. EFF.
FRAME 56J IP21 ODP

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3