

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - ODP - Premium Efficiency (DOE) Jet Pump
- Forma J

Frame	: 56J	Locked rotor time	: 14 s (hot) 25 s (cold)
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 575 V	Altitude	: 3280 ft
Rated current	: 1.94 A	Protection degree	: IP21
L. R. Amperes	: 17.2 A	Cooling method	: IC01 - ODP
LRC	: 8.9	Mounting	: F-1/B34R(D)
No load current	: 0.734 A	Rotation ¹	: Counter clockwise
Rated speed	: 3510 rpm	Noise level ²	: 62.0 dB(A)
Slip	: 2.50 %	Vibration class	: A
Rated torque	: 2.95 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 220 %	Approx. weight ³	: 38.7 lb
Pull up torque	: 185 %	Painting plan	: 207N
Breakdown torque	: 330 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: A
Service factor	: 1.15		
Moment of inertia (J)	: 0.1163 sq.ft.lb		

Output	50%	75%	100%
Efficiency (%)	84.0	85.5	85.5
Power Factor	0.77	0.86	0.91

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

	Drive end	Non drive end
Bearing type #1	6203-ZZ	6202-ZZ
Bearing type #2	-	-
Lubrication interval	-	-
Lubricant amount #1	-	-
Lubricant amount #2	-	-
Lubricant type	MOBIL POLYREX EM	

Foundation loads	
Max. traction	: 340 N
Max. compression	: 512 N

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			1866119511	
Checked by	AUTOMATICO			Page	Rev.
Date	26/06/2026			1 / 2	0

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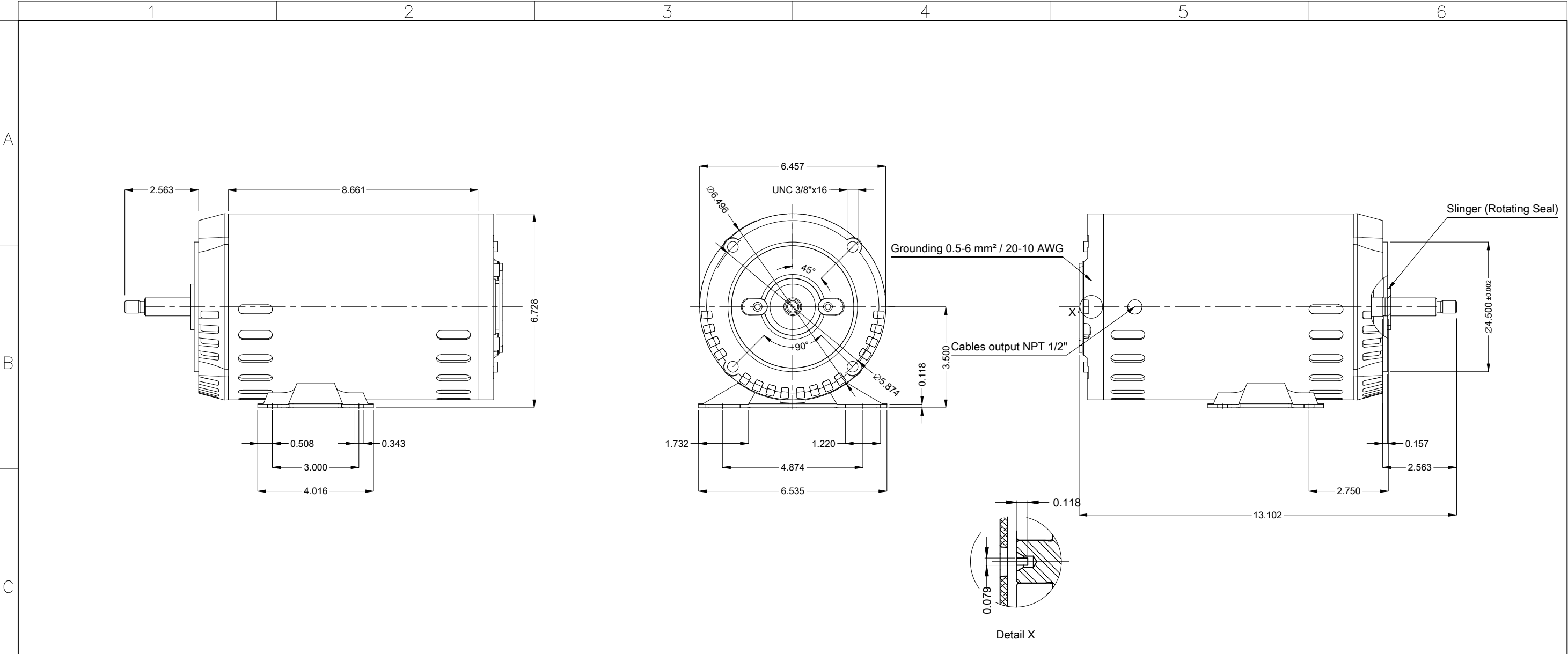
Thermal protection				
ID	Application	Type	Quantity	Sensing Temperature

Notes

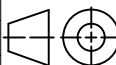
Standards	Specification	: MG1 - Part 10	Vibration	: MG1 - Part 7
	Test	: MG1 - Part 12	Tolerance	: MG1 - Part 12
	Noise	: MG1 - Part 9		

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D												
Reinforce the foot with 2 mig welding spots												
Shaft material - stainless steel AISI 304												
NDE-bearing with double shield-ZZ												
DE-bearing with double shield-ZZ												
Color Munsell N 1 matte black												
Painting plan 207N												
Mounting MARKET F-1/B34R(D)												
Mounting B34D												

2 HP 02 Poles 60 Hz												A
Scale 2 : 7												
								HYBRISUSER			00	
ECM	LOC	SUMMARY OF MODIFICATIONS						EXECUTED	CHECKED	RELEASED	DATE VER	
EXECUTED	HYBRISUSER	 THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED PREN EFF FRAME 56J IP21 ODP						PREVIEW				
CHECKED								WDD 00				
RELEASED								SHEET 1 / 1				
REL. DATE												