DATA SHEET
Three Phase Induction Motor - Squirrel Cage

Customer	: V.J. PAMENSKY CANADA INC.
Product line	: W01 - TEFC - Premium Efficiency (DOE) Jet Pump - Forma J Derating
Product code	: 19175770

Frame	: 56J	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: W-6/V17R(D)
Duty cycle	: S1	Rotation¹	: Counter clockwise
Ambient temperature	: -20 °C to +40 °C	Starting method	: Direct On Line
Altitude	: 3280 ft	Approx. weight³	: 34.2 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.1020 sq.ft.lb
Design	: B		

Output		1.5 HP (1.1 kW)	1.5 HP (1.1 kW)	1.5 HP (1.1 kW)
Poles		2	2	2
Frequency		60 Hz	50 Hz	50 Hz
Rated voltage		230/460 V	190/380 V	220/415 V
Rated current		3.74/1.87 A	4.44/2.22 A	3.90/2.07 A
L. R. Amperes		34.0/17.0 A	32.0/16.0 A	33.2/17.6 A
LRC		9.1	7.2	8.5
No load current		1.72/0.860 A	1.69/0.845 A	1.83/0.971 A
Rated speed		3520 rpm	2895 rpm	2915 rpm
Slip		2.22 %	3.50 %	2.83 %
Rated torque		2.21 ft.lb	2.68 ft.lb	2.66 ft.lb
Locked rotor torque		230 %	190 %	240 %
Pull up torque		195 %	160 %	200 %
Breakdown torque		300 %	280 %	330 %
Service factor		1.15	1.15	1.15
Temperature rise		80 K	80 K	80 K
Noise level²		68.0 dB(A)	65.0 dB(A)	65.0 dB(A)
Locked rotor time (hot)		17 s	16 s	14 s
Locked rotor time (cold)		31 s	29 s	25 s
Efficiency (%)	50%	80.0	82.6	81.7
	75%	82.5	83.8	84.0
	100%	84.0	82.9	83.9
Power Factor	50%	0.71	0.77	0.70
	75%	0.82	0.87	0.82
	100%	0.88	0.91	0.88

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

Losses (%)	P1(0,9;1,0)	17.5	16.8	18.3
	P2(0,5;1,0)	14.5	13.9	15.1
	P3(0,25;1,0)	13.6	13.0	14.2
	P4(0,9;0,5)	9.4	9.0	9.8
	P5(0,5;0,5)	5.7	5.5	6.0
	P6(0,5;0,25)	4.0	3.8	4.1
	P7(0,25;0,25)	2.5	2.5	2.6

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

Foundation loads	
Max. traction	: 308 N
Max. compression	: 460 N
Load type	: -
Load torque	: -
Load inertia (J=GD²/4)	: -

Notes
See notes on page 2.

Rev.	Changes Summary	Rev.	Checked	Date

Performed by	farazq		1867000526	
Checked by	AUTOMATICO		Page	Rev.
Date	29/06/2026		1 / 2	0

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature

Notes
USABLE @208V 4.13A SF 1.15 SFA 4.76A

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

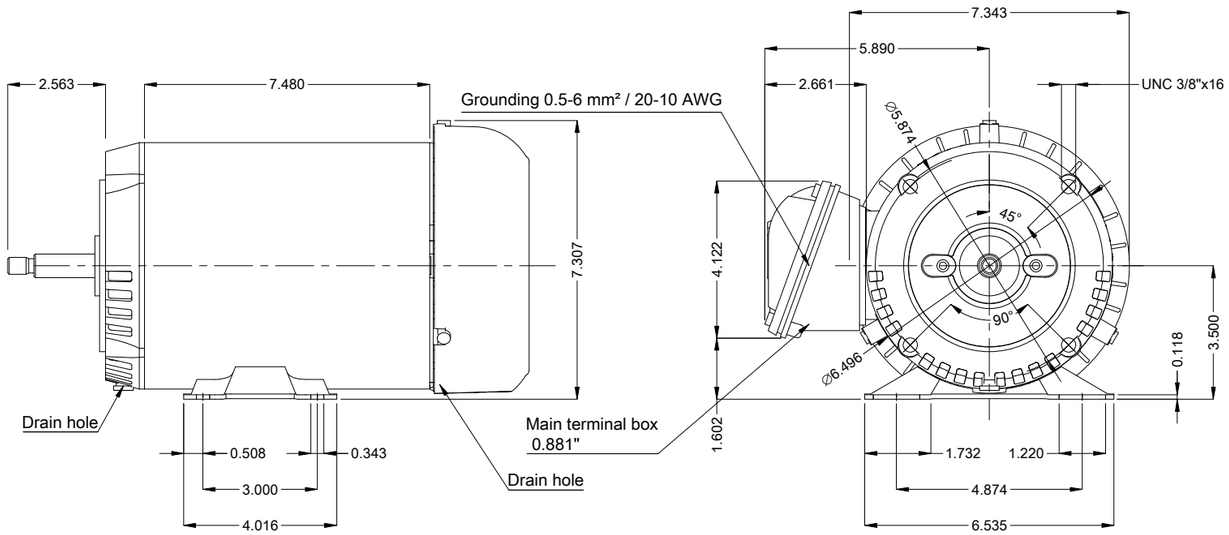
This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight, subject to be changed after manufacturing process.

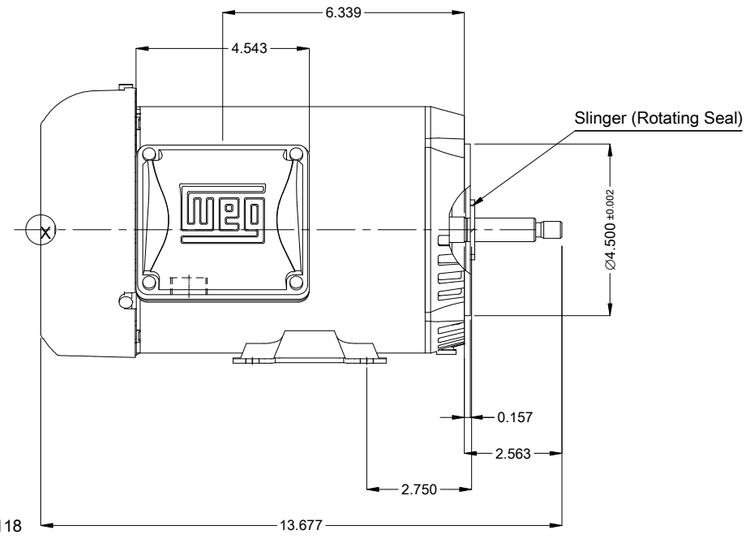
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

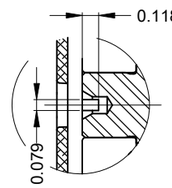
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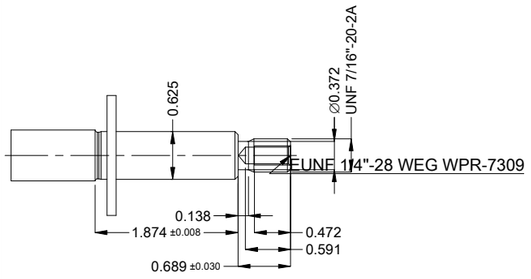
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Detail X



Reinforce the foot with 2 mig welding spots
Shaft material - stainless steel AISI 304
Fan cover - steel plate
NDE sealing - V ring
Color Munsell N 1 matte black
Painting plan 207N
Mounting MARKET W-6/V17R(D)
Mounting W-6/V17R(D)

1.5 HP 02 Poles 60 Hz | A

Scale 1 : 4

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

EXECUTED	HYBRISUSER
CHECKED	
RELEASED	
REL. DATE	

THREE PH. MOTOR ROLLED STEEL JET PUMP THREADED PREM EFF
FRAME 56J IP55 TEFC

PREVIEW

WDD 00

SHEET 1 / 1

Dimensions in inches

A3

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