

INJECTION PUMP

UNIT: PUM019

PERFORMANCE

Maximum Operating Pressure	3,750 psi (25.9 MPa)
Maximum Flow Rate	156 m ³ /day

INJECTION DRIVE

Model	4.5L John Deere
Horse Power	115 HP
Maximum RPM	1800 RPM
Fuel Type	Diesel

PUMP

Make	NOV
Model	100T-4H
Type	Triplex
Plungers	3
Installed Plunger Diameter	1.5" (38.1 mm)
Maximum Input	100 HP (75 kW)
Maximum RPM	450 RPM
Stroke Length	4" (101.6 mm)



SUCTION PIPING

Maximum Allowable Working Pressure	400 psi (2,758 kPa)
Size	3" (88.9 mm)
Connection	CL300 RF

DISCHARGE PIPING

Maximum Allowable Working Pressure	5,000 psi (34.5 MPa)
Size	2" (60.3 mm)
Connection	CL2500 RTJ

FUEL CONSUMPTION

50% Load	5.9 L/hr
75% Load	12.2 L/hr
100% Load	17.3 L/hr
Emissions	
NOx	6.9 (g/bhp-hr)
CO	3.7 (g/bhp-hr)

Approximate: Will vary based on site conditions



SOUND RATING

Distance	@50%	@100%
In Building	98 dB(A)	106 dB(A)
1.2 m (4 ft)	68 dB(A)	79 dB(A)
7.5 m (25 ft)	60 dB(A)	70 dB(A)
15.2 m (50 ft)	57 dB(A)	63 dB(A)

Sound ratings will be field verified

SHIPPING DIMENSIONS

Width	9' 4" (2.84 m)
Length	20' 8" (6.3 m)
Height	9' 6" (2.9 m)
Weight Estimate	12,000 lb (5,444 kg)

POWER REQUIREMENTS

Building Total	7.6kW / 1kW
Main Disconnect	None On Skid
Voltage Input	208 V / 120 V
Phase	1Ø / 1Ø

CERTIFICATION

Area Classification	General Purpose
Piping	ASME B31.3



FEATURES

Building Equipped With Heater and Lights
Suitable For Sour Service
Pulsation Dampener
12V Battery System
Suction Strainer On Inlet Piping
Built In Tool Box
Removable Catch Tank
Steel Building Construction
Discharge Piping Complete With MC-III Flow Meter



OPERATIONS SOLUTIONS EQUIPMENT SPECIFICATION SHEET

SHUTDOWNS

High/Low Discharge Pressure
High/Low Suction Pressure
Vibration Switch
Positive Air Shutdown
Low Power End Oil
Baird Adjustable Pressure Relief Valve