



PRODUCT DATA SHEET

February, 2005

GORMAN-RUPP T6 PUMP

GENERAL INFORMATION

This pump is designed to reprime automatically in a completely open system – without a need for suction or discharge check valves. There is no need for add-on vacuum pumps or compressors.

PERFORMANCE DATA

➤ Minimum Speed:	- 1000 rpm
➤ Maximum Speed:	- 1700 rpm
➤ Maximum Shutoff Head:	- 152 feet (66 psi) ⁽¹⁾
➤ Maximum Suction Lift:	- 25 feet ⁽²⁾
➤ Minimum Flow:	- 400 gpm
➤ Maximum Flow:	- 1600 gpm
➤ Maximum Casing Press:	- 98 psi
➤ Maximum Temperature:	- 160°F
➤ Maximum Solids Size:	- 3" spherical diameter

PUMP SPECIFICATIONS

➤ Impeller:	12.38", open type, two vanes
➤ Bearing Lubrication:	- SAE No. 30 Oil
➤ Vacuum System:	None
➤ Mech. Seal Lubrication:	- Oil

PHYSICAL SPECIFICATIONS

➤ Suction Size:	- Six-inch flange/female NPT
➤ Discharge Size:	- Six-inch flange/female NPT
➤ Total Weight:	- 3905 lbs. (approx.) ⁽⁴⁾
➤ Overall Height:	-
➤ Overall Width:	- 6'-0" (approx)
➤ Overall Length:	- 11'-0" (approx)

MATERIAL SPECIFICATIONS

➤ Pump Casing:	- Gray Iron No. 30
➤ Shaft Sleeve:	- Alloy steel No. 4130
➤ Wear Plate:	- Carbon steel No. 1015
➤ Mechanical Seal Faces:	- Silicon carbide
➤ Cover Plate:	- Gray Iron No. 30
➤ Pump Shaft:	- Stainless steel No. 17-4 PH
➤ O-rings:	- Buna-N
➤ Impeller:	- Ductile Iron No. 65-45-12
➤ Check Valve Flapper:	- Neoprene w/stl reinforcing

ENGINE SPECIFICATIONS

➤ Engine Make/Model:	- John Deere 4045D
➤ Max. Cont. BHP:	- 72 @ 2500 ⁽⁵⁾
➤ Crankcase Oil:	- SAE 10W40 ⁽³⁾
➤ Oil Press @ 800 RPM:	- 15 psi min.
➤ Safety Shutdowns:	- High water temperature & low oil pressure
➤ Fuel Capacity/Type:	- 88 gallons of No. 2 diesel
➤ Fuel Consumption:	- 2.72 gal/hr @ 2000 rpm
➤ Run Time:	- 32 hours + ⁽⁴⁾
➤ Coolant:	- 6 gal. 50/50 water/antifreeze
➤ Slow Idle / Rated Speed:	- 1400 RPM / 2400 RPM ⁽⁵⁾
➤ Number of Cyinders:	- Four
➤ Bore x Stroke:	- 4.19"x5.00"

Notes:

- ⁽¹⁾ Based on 1.0 specific gravity
- ⁽²⁾ Depends on flowrate and pump speed
- ⁽³⁾ Midrange compromise. See John Deere manual
- ⁽⁴⁾ Includes weight of trailer, pump and engine
- ⁽⁵⁾ WARNING – this is the rated speed for the ENGINE ONLY. The rated speed for the pump is only 1700 RPM.

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