



**PRODUCT DATA SHEET**

February, 2005

**GORMAN-RUPP T4 PUMP**

(SELWOOD CONVERSION)

**GENERAL INFORMATION**

Original Selwood 150 SA chassis fitted with the Gorman-Rupp model T4 self priming trash pump. This is a straightforward pumping system without any complicated priming system.

**PERFORMANCE DATA**

➤ <b>Minimum Speed:</b>	- 1300 rpm
➤ <b>Maximum Speed:</b>	- 1950 rpm
➤ <b>Minimum Shutoff Head:</b>	- 60 feet (26 psi) <sup>(1)</sup>
➤ <b>Maximum Shutoff Head:</b>	- 132 feet (57 psi) <sup>(1)</sup>
➤ <b>Maximum Suction Lift:</b>	- 25 feet <sup>(2)</sup>
➤ <b>Minimum Flow:</b>	- 150 – 200 gpm
➤ <b>Maximum Flow:</b>	- 725 gpm
➤ <b>Maximum Casing Press:</b>	- 86 psi
➤ <b>Maximum Temperature:</b>	- 160°F
➤ <b>Maximum Solids Size:</b>	- 3" spherical diameter

**PUMP SPECIFICATIONS**

➤ <b>Impeller:</b>	9.75", open type, two vanes
➤ <b>Bearing Lubrication:</b>	- Oil
➤ <b>Vacuum System:</b>	None
➤ <b>Mech. Seal Lubrication:</b>	- Oil

**PHYSICAL SPECIFICATIONS**

➤ <b>Suction Size:</b>	- Four-inch flange/female NPT
➤ <b>Discharge Size:</b>	- Four-inch flange/female NPT
➤ <b>Total Weight:</b>	- 2500 lbs. (approx.) <sup>(4)</sup>
➤ <b>Overall Height:</b>	- 5'-0"
➤ <b>Overall Width:</b>	- 5'-5"
➤ <b>Overall Length:</b>	- 9'-0"

**MATERIAL SPECIFICATIONS**

➤ <b>Pump Casing:</b>	- Gray Iron No. 30
➤ <b>Shaft Sleeve:</b>	- Alloy steel No. 4130
➤ <b>Wear Plate:</b>	- Carbon steel No. 1015
➤ <b>Mechanical Seal Faces:</b>	- Silicon carbide
➤ <b>Cover Plate:</b>	- Gray Iron No. 30
➤ <b>Pump Shaft:</b>	- Alloy steel No. 4140
➤ <b>O-rings:</b>	- Buna-N
➤ <b>Impeller:</b>	- Ductile Iron No. 65-45-12
➤ <b>Check Valve Flapper:</b>	- Neoprene w/stl reinforcing

**ENGINE SPECIFICATIONS**

➤ <b>Engine Make/Model:</b>	- John Deere 4020D
➤ <b>Net BHP:</b>	- 34 @ 2000 rpm
➤ <b>Crankcase Oil:</b>	- 10 quarts of SAE 10W40 <sup>(3)</sup>
➤ <b>Oil Press @ 800 RPM:</b>	- 15 psi min.
➤ <b>Safety Shutdowns:</b>	- Low oil pressure
➤ <b>Fuel Capacity:</b>	- Either 28 or 90 gallons depending on trailer type
➤ <b>Fuel Consumption:</b>	- 1.2 gallons per hour
➤ <b>Coolant Capacity/Type:</b>	- 4.9 qt. 50/50 water/antifreeze
➤ <b>Slow Idle Speed:</b>	- 1300 rpm
➤ <b>Number of Cyinders:</b>	- Four
➤ <b>Bore x Stroke:</b>	- 3.31"x3.54"
➤ <b>Fuel Filter:</b>	- John Deere T111383
➤ <b>Oil Filter:</b>	- Fram PH3593A
➤ <b>Engine Air Filter:</b>	- Donaldson P821575

**Notes:**

- <sup>(1)</sup> Based on 1.0 specific gravity
- <sup>(2)</sup> Depends on flowrate and pump speed
- <sup>(3)</sup> Midrange compromise. See John Deere manual
- <sup>(4)</sup> Includes weight of trailer, pump and engine

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