



PRODUCT DATA SHEET

February, 2005

**GORMAN-RUPP T3 PUMP
(4V CONVERSION)**

GENERAL INFORMATION

Original Thompson 4V chassis fitted with the Gorman-Rupp model T3 self priming trash pump. This is a straightforward pumping system without any complicated priming system.

PERFORMANCE DATA

➤ Minimum Speed:	- 1200 rpm
➤ Maximum Speed:	- 2150 rpm
➤ Minimum Shutoff Head:	- 42 feet (18 psi) ⁽¹⁾ @ 1200 rpm
➤ Maximum Shutoff Head:	- 132 feet (57 psi) ⁽¹⁾ @ 2150 rpm
➤ Maximum Suction Lift:	- 25 feet ⁽⁶⁾
➤ Minimum Flow:	- 50 - 135 gpm
➤ Maximum Flow:	- 450 gpm
➤ Maximum Casing Press:	- 87 psi
➤ Maximum Temperature:	- 160°F
➤ Maximum Solids Size:	- 2½" spherical

PUMP SPECIFICATIONS

➤ Impeller:	- 8.75" , open type, two vanes
➤ Bearing Lubrication:	- Oil
➤ Vacuum System:	- None
➤ Mech. Seal Lubrication:	- SAE 30 Oil lubricated

PHYSICAL SPECIFICATIONS

➤ Suction Size:	- 3" female NPT flange
➤ Discharge Size:	- 3" female NPT flange
➤ Total Weight:	- 3000 lbs. ⁽²⁾ (est.)
➤ Overall Height:	- 6'-3" (To top of lifting bail)
➤ Overall Width:	- 5'-8"
➤ Overall Length:	- 9'-9" (Trailer length)

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:	- Alloy steel No. 4140
➤ 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 3015DF
➤ Crankcase Oil:	- 5.4 quarts of SAE10W40 ⁽³⁾
➤ Oil Press @ 900 RPM:	- 28 psi min.
➤ Safety Shutdowns:	- High water temperature & low oil pressure
➤ Fuel Capacity/Type:	- 50 gallons of No. 2 diesel
➤ Noise Level @ BEP:	- 90-95 dbA
➤ Coolant Type:	- 50/50 water/antifreeze
➤ Idle / Rated Speed:	- 900 RPM / 3000 RPM ⁽⁵⁾
➤ Number of Cyinders:	- Three
➤ Bore x Stroke:	- 3.31"x3.54"

Notes:

- ⁽¹⁾ Based on 1.0 specific gravity
- ⁽²⁾ Includes weight of trailer, pump and engine (w/o fuel)
- ⁽³⁾ Midrange compromise. See John Deere manual.
- ⁽⁴⁾ At 2100 RPM. Run time increases with reduced speed and decreases with higher speed.
- ⁽⁵⁾ **WARNING** – this is the rated speed for the ENGINE ONLY. The rated speed of the pump is only 2100 RPM.
- ⁽⁶⁾ Depends on flowrate and pump speed. See pump curve.

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