



**PRODUCT DATA SHEET**

March, 2005

**6" PA6C60 GORMAN-RUPP  
SILENT PUMP**

**GENERAL INFORMATION**

The compressor/venturi priming system uses a compressor to blow compressed air through a jet into a tapered tube to create a vacuum on the suction. This pump can take suction from a side-entry flange or a front-entry flange. Pump and engine are totally enclosed by a sound-attenuated enclosure for quiet running.

**PERFORMANCE DATA**

➤ <b>Minimum Speed:</b>	- 1400 RPM
➤ <b>Maximum Speed:</b>	- 2000 RPM
➤ <b>Minimum Shutoff Head:</b>	- 125 feet (54 psi) <sup>(1)</sup> @ 1600 RPM
➤ <b>Maximum Shutoff Head:</b>	- 195 feet (84 psi) <sup>(1)</sup> @ 2000 RPM
➤ <b>Maximum Suction Lift:</b>	- 25 feet <sup>(6)</sup> (@600 gpm, 135', 1900 RPM)
➤ <b>Minimum Flow:</b>	- 500 gpm @ 2000 RPM
➤ <b>Maximum Flow:</b>	- 2600 gpm @ 2000 RPM
➤ <b>Maximum Casing Press:</b>	- 100 psi (127 psi – turbo model)
➤ <b>Maximum Temperature:</b>	- 160°F
➤ <b>Maximum Solids Size:</b>	- 3" spherical diameter

**PUMP SPECIFICATIONS**

➤ <b>Impeller:</b>	- 11.75"
➤ <b>Bearing Lubrication:</b>	- SAE No. 30 oil
➤ <b>Vacuum System:</b>	- Holset 850 compressor, 13 cfm @ 1800 RPM
➤ <b>Mech. Seal Lubrication:</b>	- SAE No. 30 oil

**PHYSICAL SPECIFICATIONS**

➤ <b>Suction Size:</b>	- 8" flange
➤ <b>Discharge Size:</b>	- 6" flange
➤ <b>Total Weight:</b>	- 4,735 lbs. <sup>(2)</sup>
➤ <b>Height:</b>	- 6'-0½" (to top of enclosure) 6'-9" (to top of exhaust pipe)
➤ <b>Width:</b>	- 4'-5½" (enclosure) 5'-5" (discharge flange to optional suction flange, if equipped) 4'-9" (discharge flange to opposite wall of enclosure)
➤ <b>Overall Length:</b>	- 8'-3½"

**MATERIAL SPECIFICATIONS**

➤ <b>Pump Casing:</b>	- Ductile Iron No. 65-45-12
➤ <b>Shaft Sleeve:</b>	- 17-4 PH stainless steel
➤ <b>Wearplate:</b>	- Ductile iron No. 80-60-03
➤ <b>Mechanical Seal Faces:</b>	- Silicon carbide/ Silicon carb.
➤ <b>Priming Chamber:</b>	- Gray Iron No. 30
➤ <b>Flapper Valve:</b>	- Buna-N Flapper
➤ <b>Pump Shaft:</b>	- 17-4 PH stainless steel
➤ <b>Mech. Seal O-rings:</b>	- Viton
➤ <b>Impeller:</b>	- Ductile iron No. 65-45-12
➤ <b>Check Valve Body:</b>	- Gray Iron No. 30
➤ <b>Flanges:</b>	- Gray Iron No. 30

**ENGINE SPECIFICATIONS**

➤ <b>Engine Make/Model:</b>	- John Deere 4045T
➤ <b>Max. Continuous BHP:</b>	- 115 @ 2500 RPM <sup>(5)</sup>
➤ <b>Crankcase Oil:</b>	- SAE 10W40 <sup>(3)</sup>
➤ <b>Oil Press @ 800 RPM:</b>	- 15 psi min.
➤ <b>Safety Shutdowns:</b>	- High water temperature & low oil pressure
➤ <b>Fuel Capacity/Type:</b>	- 84 gallons of No. 2 diesel
➤ <b>Fuel Consumption:</b>	- 4.8 gal/hr @ 2000 rpm
➤ <b>Run Time:</b>	- 17.5 hours <sup>(4)</sup> @ 2000 rpm
➤ <b>Coolant:</b>	- 16.5 qts 50/50 wtr/antifreeze
➤ <b>Number of Cyinders:</b>	- Four
➤ <b>Bore x Stroke:</b>	- 4.19"x5.00"

**ENCLOSURE**

➤ Soundproof insulation provides quiet operation, and the entire unit, including controls, can be locked for added security for unattended automatic operation.

**Notes:**

- <sup>(1)</sup> Based on 1.0 specific gravity
- <sup>(2)</sup> Includes weight of skid, pump and engine
- <sup>(3)</sup> Midrange compromise. See John Deere manual.
- <sup>(4)</sup> Run time increases with reduced speed.
- <sup>(5)</sup> **WARNING** – this is the rated speed for the ENGINE ONLY. The rated speed of the pump is less. See data sheet for max pump RPM.
- <sup>(6)</sup> Depends on flowrate and pump speed. See performance curve.