

### PRODUCT DATA SHEET

July, 2009

### T3A60 SELF-PRIMING 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

» Flow (min/max):	- 50 gpm / 450 gpm
» Minimum Shutoff Head:	- 42 feet (18 psi) <sup>(1)</sup> @ 1200 rpm
» Maximum Shutoff Head:	- 132 feet (57 psi) <sup>(1)</sup> @ 2150 rpm
» Speed (min/max):	- 1200 rpm / 2150 rpm
» Maximum Suction Lift:	- 25 feet <sup>(6)</sup>
» 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. <sup>(2)</sup> (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 <sup>(3)</sup>
» 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 <sup>(5)</sup>
» Number of Cylinders:	- Three

#### Notes:

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

**SELF-PRIMING PUMP CURVE**

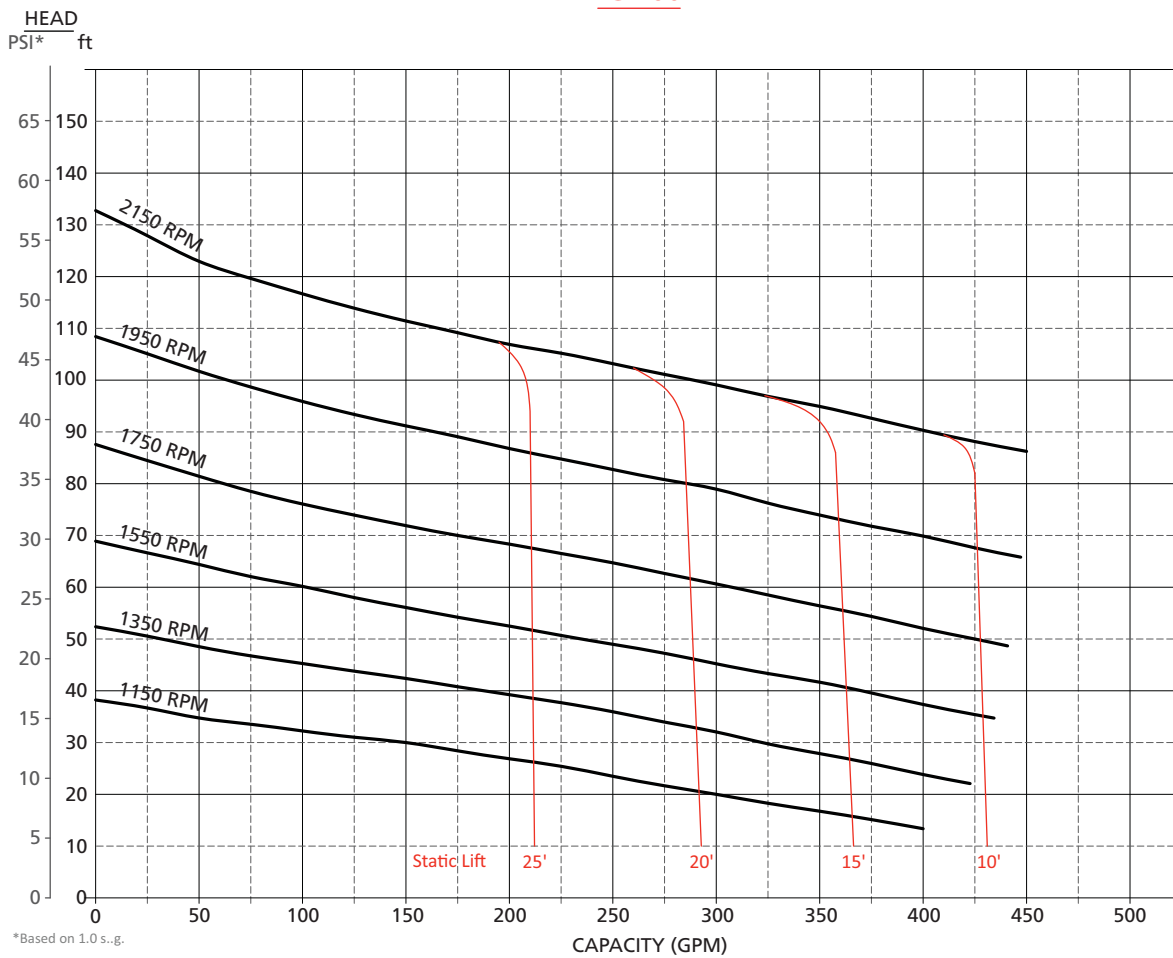
July, 2009

**T3A60 SELF-PRIMING 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.

**T3A60**



\*Based on 1.0 s.g.

PUMP	
MODEL	T3A60
CURVENO.	T3A-B-4
SUCTION	3-inch
DISCHARGE	3-inch
MAXSOLID	2-1/2 inches
IMP. DIA.	8.75 inches
SPEED	Various
MIN SPEED	1200 RPM

**DRIVER**  
Diesel engine and electric motor driven versions are available. Consult your local BakerCorp representative for availability.

