

# HOLLAND P U M P

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**Section: 40-80**  
17 Mar 06

**PRIME<sup>3</sup>** Vacuum Assisted Suction Pump  
Model PT18TPD - D612SH  
Size 18" Trash Pump

Holland® Pump Company  
Corporate Office: 2610 Sidney Lanier Drive  
Brunswick, Georgia 31525  
Phone 912-466-0304  
1-888-997-PUMP  
www.hollandpump.com

**PUMP SPECIFICATIONS**

**Type/Model:** Solids Handling / Cornell 16NHG22 Redi-Prime  
**Volute:** Cast iron ASTM A 48, class 30, 18" suction, 16" discharge  
**Impeller:** Cast iron ASTM A 48, class 30, enclosed 3 vane impeller, handles 4.5" compressible spherical solids.  
**PRIME<sup>3</sup> Priming System:** Automatic dry priming and repriming system that features a 50 cfm water tolerant, diaphragm vacuum pump belt driven by the main drive shaft. The air/water separator is a simple, reliable float.  
**Wear Rings:** Replaceable. (Double wear rings available)  
**Seal:** Cornell's patented Cycloseal® design with Run-Dry oil lubrication system. John Crane T-2 single mechanical seal with Viton® elastomers, stainless steel hardware and tungsten- vs. silicon carbide seal faces for abrasion resistance  
**Check Valve:** SwingFlex® Val-Matic®  
**Shaft Sleeve:** Heat treated 416 stainless steel  
**Bearings:** Heavy duty, grease lubricated, deep groove ball bearings, with a minimum of 50,000 hours bearing life  
**Hardware:** Stainless steel float linkage. A positive seating vacuum priming valve prevents water carry-over to the vacuum, pump or atmosphere  
**Vacuum Pump:** 50 SCFM Maximum  
**Gear Reducer:** Twin disc 1.8 to 1 gear reducer



**ENGINE SPECIFICATIONS**

**Model:** Deere 6125H  
**Type:** In Line 6 Cylinder, 4 Stroke, Turbo Charged, Liquid Cooled Diesel Engine  
**Displacement:** 12.5 L (766 cu.in.)  
**Type:** Electronic Tier 2 Engine  
**Standard Features:** Skid, Murphy Safety Shutdown System  
 Covering: Engine Oil Pressure, Engine Temperature  
**Optional Features:** Auto-Oiler with Engine Oil Shutdown, Site or DOT Highway Trailer, Auto-Start, HANS (Holland Automatic Notification System), Full Instrument Package, Extra Fuel Tank, 300 Gallon Internal Fuel Tank  
**Coupling:** Falk  
**Fuel Tank:** 10 Gallons

**Deere Published Performance:** Power: 425 BHP continuous @ 2100 RPM

PT18TPD @ 1000 RPM and 10' Lift	Capacity of Pump in U.S. Gallons per Minute (gpm) @ Continuous Performance
140' Head	4000
120' Head	8000
100' Head	10,000
60' Head	13,000

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Approximate Dimensions  
Powered by Deere 6081A

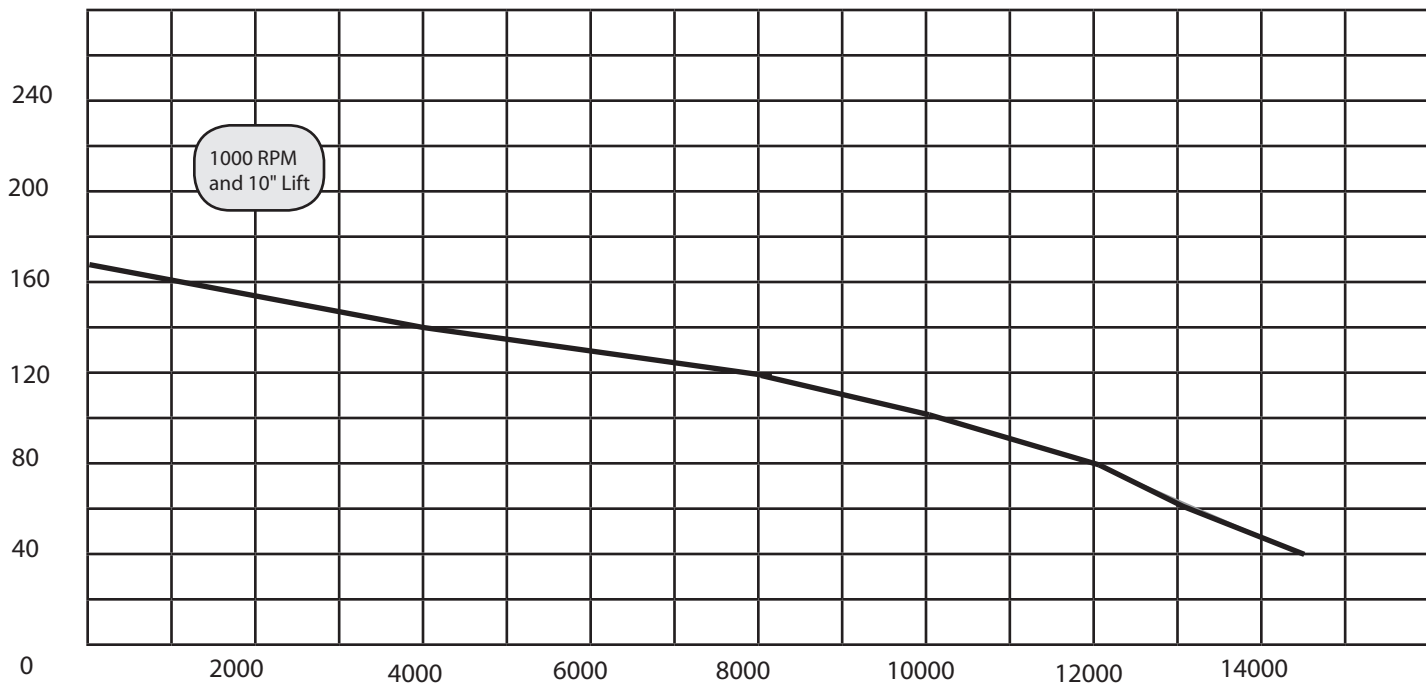
Length: 198"  
Width: 96"  
Height: 97"

Net Weight: 8,000 lbs.  
Shipping Weight: 8,750 lbs.  
Export Crate Size: 1,067 cu. ft.



Total Head  
Ft

Performance Curve Model: PT18TPD - D612SH  
Size: 18" Trash Pump



U.S. Gallons Per Minute (GPM)