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**PRIME<sup>3</sup> Vacuum Assisted Suction Pump**  
Model PT6TPA - P804D33  
Size 6" 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 Redi Prime

**Volute:** Cast iron ASTM A48 class 30

**Flanges:** 6" suction, 6" discharge

**Impeller:** Non-clogging, balanced, 2 vane, 10.09" diameter, enclosed

**Solids:** Handles 3" diameter compressible, spherical solids

**PRIME<sup>3</sup> Priming System:** Automatic priming system that features a 50 cfm water tolerant, diaphragm vacuum pump driven by the main drive shaft. Our major competitors use a 15 cfm compressor pump with a small compressor venturi that can easily clog. The air/water separator is a simple, reliable float that opens and closes a rubber plunger as water rises and falls. A non return valve isolates the pump during priming and protects against back flow

**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

**Discharge Valve:** Val-matic or equal

**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

PT6TPA-P804D33			Shutoff Head: 143 feet		
Flow (GPM)	Speed (RPM)	TDH (ft)	Pump Efficiency (%)	Power (hp)	Max Suction Head (ft)*
1355	1900	57.7	59	33.6	20.3
1129	1900	77	71	30.8	18.2
903	1900	90.8	76	27.4	22
834**	1900	94.7	76	26.2	21.9
677	1900	103	74	23.6	21.3
452	1900	114	68	19.2	20.6

\*Max Suction Head is suction lift plus friction losses without risk of suction cavitation  
\*\*Best Efficiency Point

**ENGINE SPECIFICATIONS**

**Model:** Perkins 800 Series 804D-33, Tier 3

**Type:** 4 Cylinder, 4 Stroke, Liquid Cooled Diesel Engine

**Displacement:** 3.3 L (201 cu.in.)

**Governor:** Mechanical

**Lubrication:** Forced Circulation

**Air Cleaner:** Dry Type with Replaceable Element

**Lube Oil Capacity:** 2.20 U.S. gal (8.3L)

**Coolant Capacity:** 4 U.S. gal (15.1L)

**Fuel Tank:** Integral 114 U.S. Gallon Capacity (#2 Diesel Fuel)

**Full Load Operating Time:** 60 Hours Minimum

**Starter:** 12 Volt

**Standard Features:** Skid, Standard Instrument Panel: Engine Temperature and Low Oil Pressure with optional Gauge, Key Start, and Hour Meter

**Optional Features:** Site or DOT Highway Trailer, Automatic Remote Start/Stop, HANS (Holland Automatic Notification System), NEMA 4 Instrument Package Covering: Air Filter, Fuel Filter, Engine Temperature, Fuel Level, Engine Oil Pressure, Hour Meter, Amp Meter

**Coupling:** Stromag coupling

**Perkins Published Performance:** Power: 63 BHP Continuous @ 2500 RPM



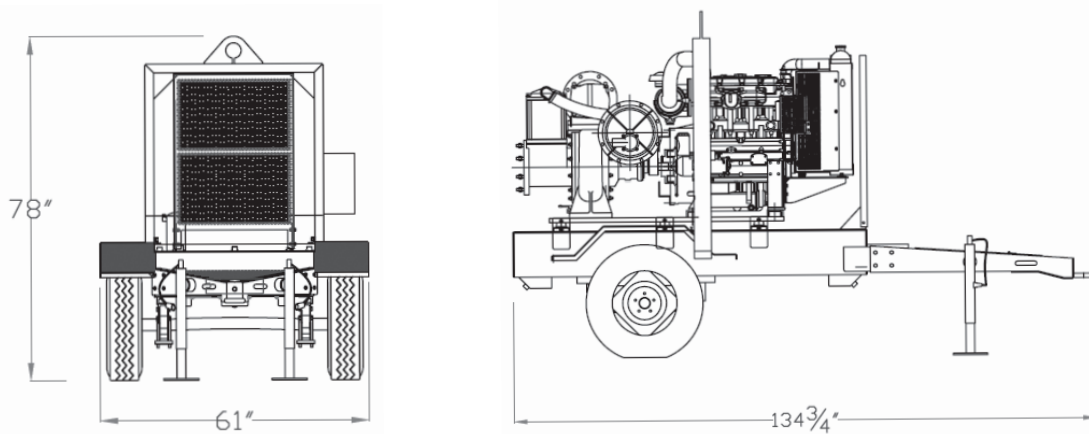
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Approximate Dimensions  
Powered by Perkins 804D-33 Diesel Engine  
Optional trailer shown

	Skid Base	DOT Trailer
Net Weight	2600	2900
Shipping Weight	2700	N/A
Export Crate Size	119	N/A



Performance Curve Model: PT6TPA- P804D33  
Size: 6" Trash Pump

