

**PRIME<sup>3</sup> Vacuum Assisted Suction Pump**  
Model PT6TPCTD3.6L4-SS (SS-SuperSilent)  
Size 6" (150mm) High Head Trash Pump

Holland Pump Company  
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www.hollandpump.com

### **PUMP SPECIFICATIONS**

**Type/Model:** Solids handling/Cornell 4NHTA Redi-Prime High Head Pump

**Volute:** Fine gray cast iron

**Flanges:** 6" suction, 4" discharge

**Impeller:** 2 Vane enclosed impeller, steel

**Solids:** Handles 3" diameter 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 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

### **SOUND ENCLOSURE SPECIFICATIONS**

**Sound Level:** Holland Pump Supersilent pump units are tested for Sound Level using the Contractors Pump Bureau Sound Level Measurement Standard for Pump Units using a calibrated Sound Level Meter. This procedure produces an average Sound Level based on eight measurements under strict conditions of pump placement. They are tested at full RPM pumping water. The sound Level result is 57 dBA or less @ 23 feet.

**Enclosure:** Steel construction, removable for ease of maintenance. Stainless steel accessories including bolt on, lift off hinges.

**Base:** Environmentally safe spill containment type base

**Lifting Access:** External lifting bail, integral forklift pockets

### **ENGINE SPECIFICATIONS**

**Model:** Deutz TD3.6L4, Tier 4 Final Or Approved Alternate

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

**Displacement:** 3.6L (220 cu.in.)

**Governor:** Electronic

**Lubrications:** Forced Circulation

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

**Lube Oil Capacity:** 2.4 U.S. gal (9L)

**Coolant Capacity:** 3.4 U.S. gal (13L)

**Fuel Tank:** Integral 114 U.S.

Gallon Capacity (#2 Diesel Fuel)

**Full Load Operating Time:** 60

Hours Minimum

**Starter:** 12 Volt, 2.0 kW

**Standard Features:** Cast Iron Engine Block, Flywheel and Flywheel Housing, Ecoplus Oil and Fuel Filters, Glow Plug, Starting Aid, Integral Inlet and Manifold, Gear Driven Coolant Pump, Cast Iron Exhaust Manifold with Center Side Outlet, Standard Instrument Panel: Controls Inc. C3M - Engine Temperature and Low Oil Pressure with optional Gauge, Fuel Level, Hour Meter, Flex Inputs

**Optional Features:** Stand-alone Highway Trailer, Controls Inc. C3M-AS Auto Start/Stop Panel Throttle Control, Mod Bus Output

**Coupling:** Reich coupling

**Deutz Published Performance:** Maximum Continuous Power: 72 BHP (54kW) @ 2400 RPM

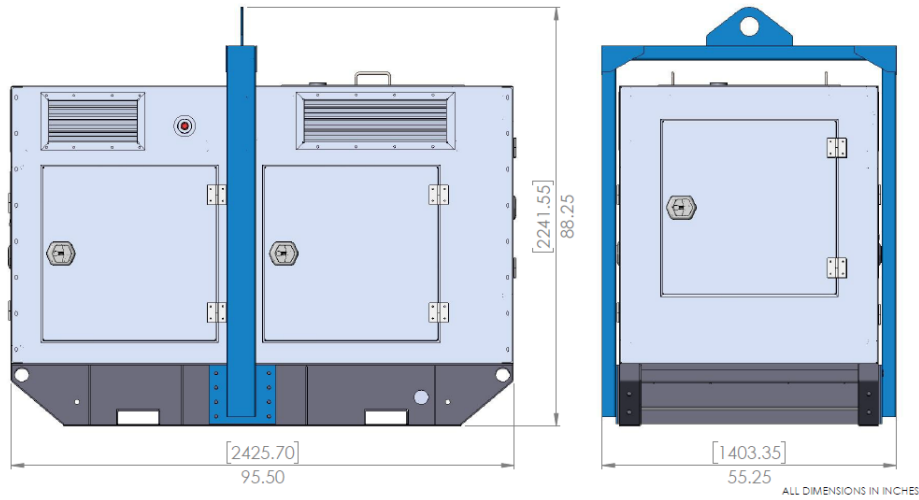
PT6TPC-TD3.6L4-SS			Shutoff Head: 206 feet		
Flow (GPM)	Speed (RPM)	TDH (ft)	Pump Efficiency (%)	Power (hp)	Max Suction Head (ft)*
1398	1900	126	77	57.5	13.5
1165	1900	139	78	52.5	16.3
1126**	1900	141	79	50.6	17.1
932	1900	151	77	46.2	19.7
699	1900	167	73	40.2	22
466	1900	176	66	31.4	23
*Max Suction Head is suction lift plus friction losses without risk of suction cavitation					
**Best Efficiency Point					

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Approximate Dimensions  
Powered by Deutz TD3.6L4 diesel engine

Approx. Net Weight (lbs)

Skid Base  
4500



**Performance Curve Model: PT6TPC-TD3.6L4-SS**  
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