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**PRIME<sup>S</sup>** Vacuum Assisted Suction Pump  
Model PT8TPC - P1104D44T  
Size 8" High Head Trash Pump

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

**PUMP SPECIFICATIONS**

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

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

**Flanges:** 8" suction, 8" discharge

**Impeller:** Enclosed - 2 vane

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

**Priming System:** Cornell Redi-Prime 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 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

PT8TPC-P1104D44T			Shutoff Head: 200 feet		
Flow (GPM)	Speed (RPM)	TDH (ft)	Pump Efficiency (%)	Power (hp)	Max Suction Head (ft)*
2411	1625	93	80	70.9	15.1
2412	1650	76.5	75	62.4	18.4
1930**	1650	99.7	82	59.1	22.7
1447	1650	120	81	54.4	25.5
965	1650	140	72	47.3	23.5

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

**ENGINE SPECIFICATIONS**

**Model:** Perkins 1100 Series 1104D-44T, Tier 3

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

**Displacement:** 4.4 L (268 cu.in.)

**Governor:** Mechanical

**Lubrication:** Forced Circulation

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

**Lube Oil Capacity:** 2.2 U.S. gal (8.3L)

**Coolant Capacity:** 4.5 U.S. gal (17L)

**Fuel Tank:** Integral 127 U.S. Gallon Capacity (#2 Diesel Fuel)

**Full Load Operating Time:** 30 Hours Minimum

**Starter:** 12 Volt

**Standard Features:** Perkins control panel - 3 Gauges: Oil Pressure, Engine Temperature, Hour meter plus lights for engine running, low oil pressure, high engine temperature, overcrank, and overspeed. Toggle switch start/stop.

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

**Coupling:** Stromag coupling

**Perkins Published Performance:** Power: 82 BHP Continuous @ 1800 RPM

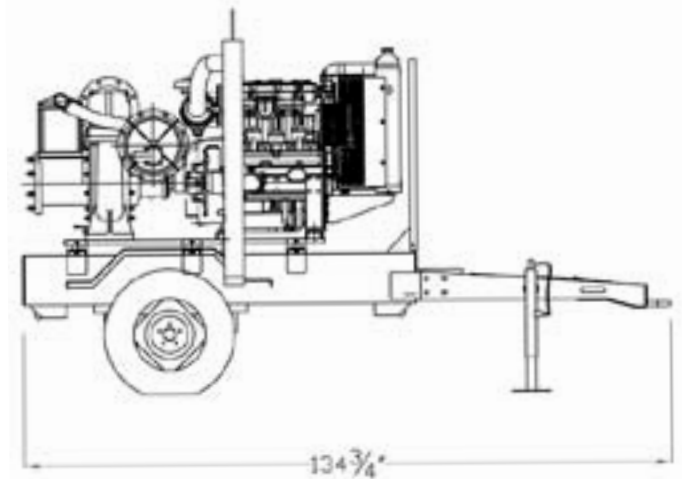
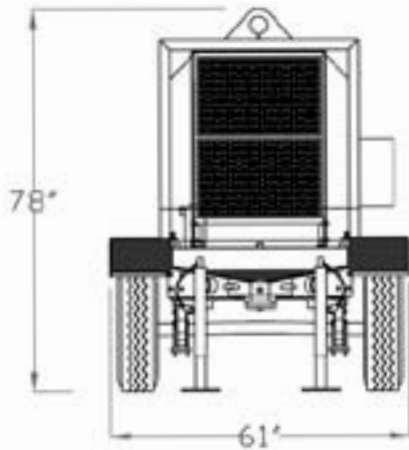


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Approximate Dimensions  
Powered by Perkins 1104D.44T Diesel Engine  
Optional trailer shown

	Skid Base	DOT Trailer
Net Weight (lbs)	3410	4010
Shipping Weight (lbs)	3560	N/A



TOTAL HEAD  
FT

Performance Curve Model: PT8TPC - P1104D44T  
Size: 8" High Head Trash Pump

