

**PRIME<sup>3</sup> Vacuum Assisted Suction Pump**  
**Model PT10TPC-P1204F**  
**Size 10" (250mm) High Head Trash Pump**

Holland Pump Company  
Corporate Office: 7312 Westport Place  
West Palm Beach, FL 33413  
USA  
1-800-451-0769  
www.hollandpump.com

### **PUMP SPECIFICATIONS**

**Type/Model:** Solids handling/Cornell 8NNT Redi-Prime

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

**Flanges:** 10" (250mm) suction, 10" (250mm) discharge

**Impeller:** Enclosed - 2 vane, 14" (355mm) diameter

**Solids:** Handles 3.38" (86mm) 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

PT10TPC-P120F			Shutoff Head: 200 feet		
Flow (GPM)	Speed (RPM)	TDH (ft)	Pump Efficiency (%)	Power (hp)	Max Suction Head (ft)*
4051	1700	83.4	73	116	20.3
3376	1700	107	79	114	22.7
2886**	1700	122	82	109	23
2701	1700	127	81	107	23
2026	1700	148	76	99	22.6
1350	1700	169	65	88.8	19.4
*Max Suction Head is suction lift plus friction losses without risk of suction cavitation					
**Best Efficiency Point					

### **ENGINE SPECIFICATIONS**

**Model:** Perkins 120F-E44TA, Tier 4 Final Or Approved Alternate

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

**Displacement:** 4.4 L (269 cu.in.)

**Governor:** Electronic

**Lubrications:** Forced Circulation

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

**Lube Oil Capacity:** 3.6 U.S. gal (13.5L)

**Coolant Capacity:** 2.85 U.S. gal (10.8L)

**Fuel Tank:** Integral 240 U.S. Gallon Capacity (#2 Diesel Fuel)

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

**Starter:** 12 Volt

**Standard Features:** Skid,Control Inc. Engine Panel: Engine Temperature and Low Oil Pressure with optiona Gauge, Fuel Level, Hour Meter, Flex Inputs

**Optional Features:** Site or DOT Highway Trailer, Auto-Start Panel with Throttle Control and Modbus output, HANS (Holland Automatic Notification System)

**Coupling:** Reich coupling

**Perkins Published Performance:** Maximum Continuous Power: 148 BHP (110kW)@ 2200 RPM

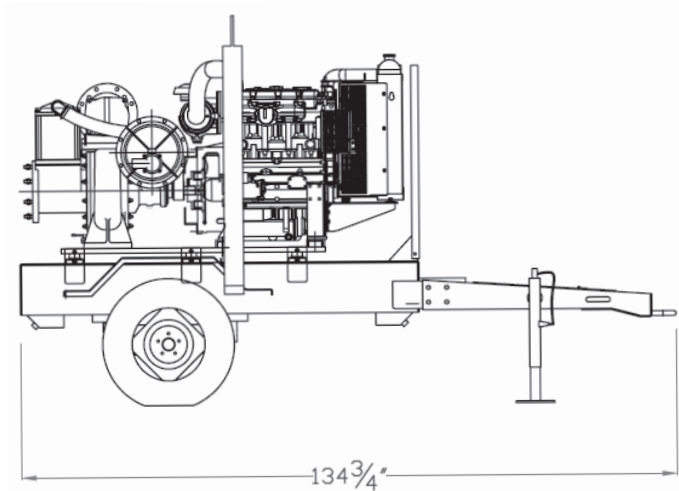
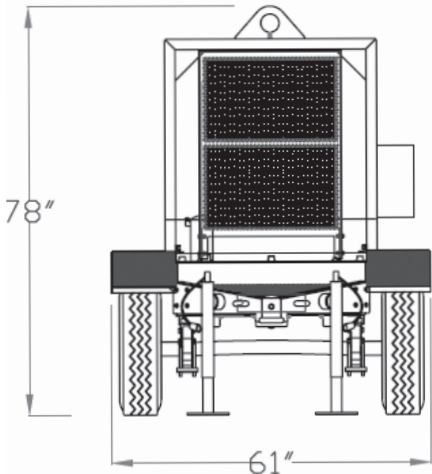
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Approximate Dimensions  
Powered by Perkins P1204F-E44TA Diesel Engine  
Optional trailer shown

	Skid Base	DOT Trailer
Net Weight (lbs)	4750	4800
Net Weight (kg)	2155	2177



Performance Curve Model: PT10TPC-P1204F  
Size: 10" (250mm) High Head Trash Pump

