



PRIME³ Vacuum Assisted Suction Pump
Model PT8TPC - P1104D44T Super Silent
Size 8" High Head 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 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

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 68 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

PT8TPC-P1104D44T-SS			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 1104C-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

Specifications subject to change without notice



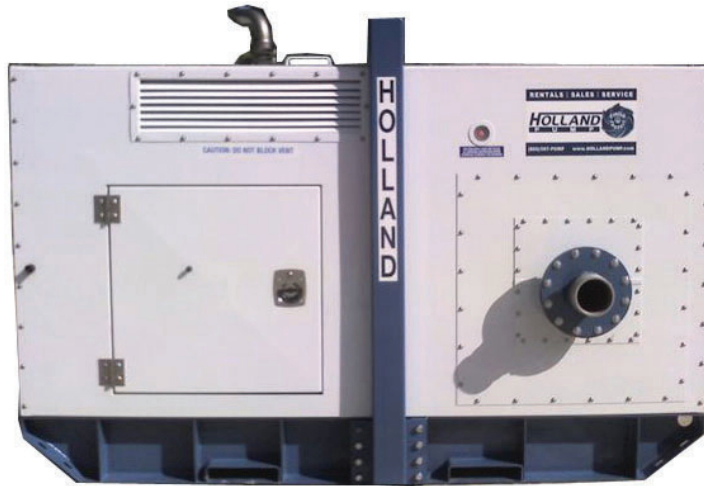
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Approximate Dimensions: 105 ¼" x 69 ¾" x 54"
Powered by Perkins 1104D.44T Diesel Engine

Approx. Net Weight (lbs)

Skid Base
8000



TOTAL HEAD
FT

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

