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PRIME³ Vacuum Assisted Suction Pump
 Model PT8X6TMS- D3.6L4
 Size 6" Trash Pump
 138' Shut-off Head

Holland® Pump Company
 Corporate Office: 7312 Westport Pice
 West Palm Beach, Florida 33413
 United States of America
 Phone 561-697-3333
 1-800-451-0769

PUMP SPECIFICATIONS

Wetend: 8NNDH Redi Prime **Volute:** Cast iron ASTM A48 class 30
Impeller: Enclosed -Delta 13.5" diameter, Handles 3.38" diameter solids
PRIME³ 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
Check Valve: Valmatic 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
Hardware: Stainless steel float linkage. A positive seating vacuum priming valve prevents water carry-over to the vacuum, pump or atmosphere
Performance: Primes to depths of 25 feet below the center line of the pump in 1 minute
Flanges: 6" suction, 6" discharge

Output (GPM)

Performance Evaluation:						
Flow	Speed	Head	Efficiency	Power	NPSHr	
US gpm	rpm	ft	%	hp	ft	
2880	1650	41.2	46	64.9	20.9	
2400	1650	63.7	57	66.5	17.4	
1920	1650	83	60	66.4	13.4	
1440	1650	98.4	55	63.6	10.2	
960	1650	112	44	61.5	8.6	

ENGINE SPECIFICATIONS

Model: Deutz 3.6L4 HT or Equal
Type: 4 Cylinder, 4 Stroke, Liquid Cooled, DIVERT Oxidation Catalyst, DPF, Turbocharged Diesel Engine
Displacement: 3.6L (220 cu.in.)
Governor: Electronic
Lubrications: Forced Circulation
Air Cleaner: Dry Type with Replaceable Element
Lube Oil Capacity: 3.5 U.S. Quarts
Coolant Capacity: 5 U.S. Gallons
Fuel Tank: Minimum 75 U.S. Gallon Capacity (#2 Diesel Fuel)
Full Load Operating Time: 40 Hours @ 2000 PSI
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: Engine Temperature and Low Oil Pressure with optional Gauge, Key Start, and Hour Meter DOT Trailer, ELeetric brakes
Optional Features: Automatic Remote Start and Stop, NEMA 4 Instrument Package Covering: Air Filter, Fuel Filter, Engine Temperature, Fuel Level, Engine Oil Pressure, Hour Meter, Amp Meter
Coupling: SAE 4 Bell housing adapter, Stromag or equal coupling
Deutz Published Performance:
 Maximum Continuous Power: 74 BHP (55.4kW) @ 2300 RPM

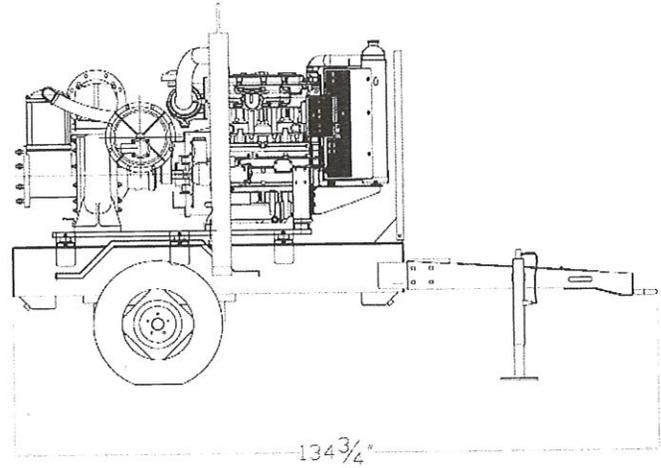
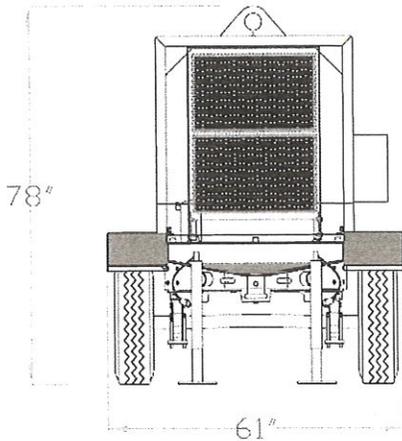
Specifications subject to change without notice

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Approximate Dimensions
Powered by Deutz 3.6L4 HT or Equal

	Skid Base	DOT Trailer
Net Weight (lbs)	3410	4010
Shipping Weight (lbs)	3560	N/A
Export Crate Size (cu. ft)	2450	N/A



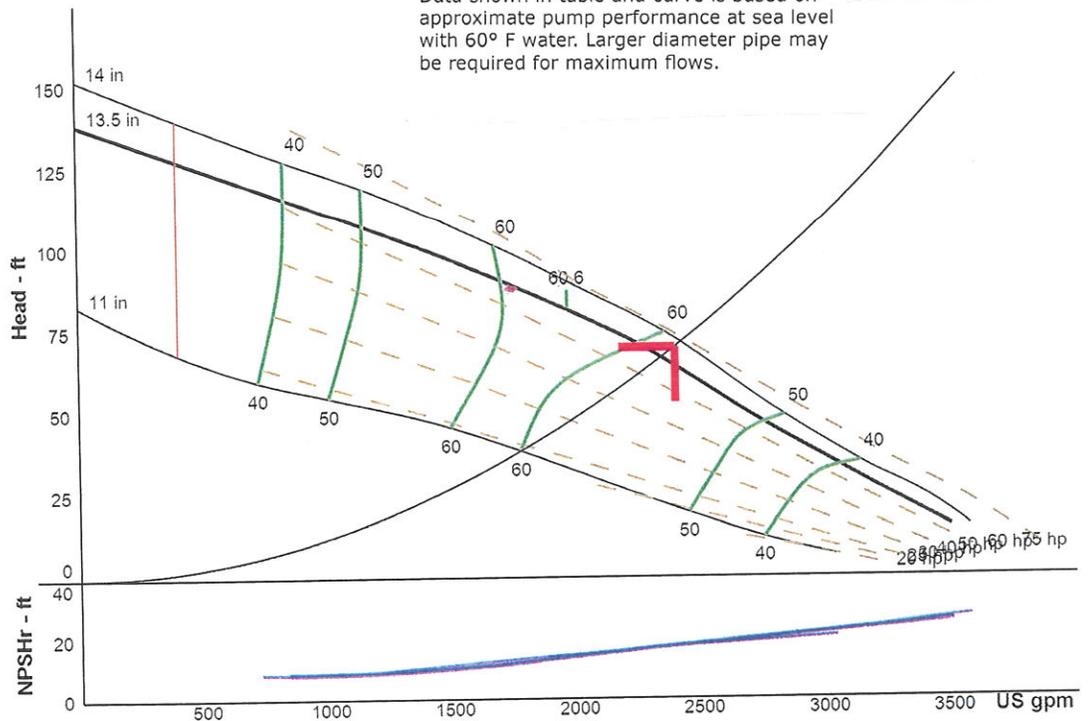
Performance Curve Model: PT8X6TMS- D3.6L4
Size: 6" Trash, Materials, Sludge Pump

--- Duty Point ---
Flow: 2341 US gpm
Head: 66.6 ft
Eff: 58.2%
Power: 66.8 hp
NPSHr: 17 ft
Speed: 1650 rpm

--- Design Curve ---
Shutoff Head: 138 ft
Shutoff dP: 60 psi
Min Flow: 400 US gpm
BEP: 60.6% @ 1970 US gpm
NOL Power:
67.2 hp @ 2252 US gpm

--- Max Curve ---
Max Power:
73.9 hp @ 2361 US gpm

Data shown in table and curve is based on approximate pump performance at sea level with 60° F water. Larger diameter pipe may be required for maximum flows.



Min flow line represents the absolute lowest flow pump can operate. Consult with factory if operating below 50% of BEP flow