



4" Hydraulically Driven Submersible System
Model H4TMS - P404D22
Size 4" Trash, Materials, Sludge Pump

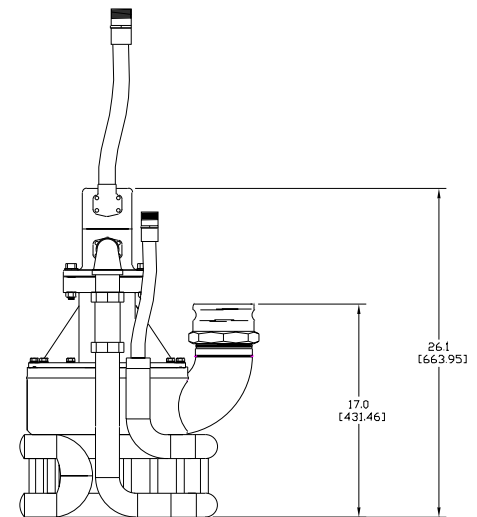
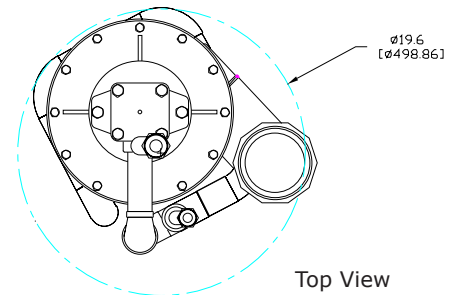
Holland® Pump Company
Corporate Office: 7312 Westport Place
West Palm Beach, FL 33413
1-800-451-0769
www.hollandpump.com

PUMP SPECIFICATIONS

- Size:** 4" Trash, Materials, Sludge Pump
- Volute:** Fabricated steel with verticle discharge (optional stainless steel and special abrasion resistant steel volutes are available)
- Impeller:** Recessed vortex, 6 Vane. clearance for 22" manhole (optional stainless steel or special abrasion resistant steel impellers are available)
- Solids:** Handles 3" diameter compressible spherical solids
- Impeller Shaft:** High Strength steel
- Seal:** Rotary Mechanical, oil-lubricated, carbon & ceramic (optional tungsten carbide or silicon carbide seals are available option)

Hydraulic System

- Hydraulic Reservoir level:** 30 gallon capacity with single 10 micron spin on oil filter
- Hydraulic Oil:** Petroleum based AW68 Furnished standard (optional canola bio-degradeable oil or mineral based non-toxic inherently bio-degradeable oil available)
- Hydraulic Pump:** Denison vane type positive displacement pump with pilot operated Denison relief valve
- Hydraulic Motor:** Vickers vane type positive displacement motor
- Heat Exchanger:** Double row, Sch 40 pipe with integral intake basket (optional engine mounted oil cooler available)
- Hydraulic Hose:** 50' set of SAE 100R2, two wire braid high-pressure hose
- Pump Head Fail Safe Pressure Relief System:** Available as option to protect system against improper connection or interruption of biodegradable oil flow from pump head to power unit



Holland 4" Trash Materials, Sludge Pump

ENGINE SPECIFICATIONS

- Model:** Perkins, 400 Series, 404D-22, Tier 3
- Type:** 4 Cylinder, 4 Stroke, Naturally Aspirated, Liquid Cooled Diesel Engine
- Displacement:** 2.2 L (134cu.in.)
- Governor:** Mechanical
- Lubrication:** Forced Circulation
- Air Cleaner:** Dry Type with Replaceable Element
- Lube Oil Capacity:** 2.8 U.S. Gallons (10.6L)
- Coolant Capacity:** 1.84 U.S. Gallons (6.98L)
- Fuel Tank:** Integral 68 U.S. Gallon Capacity (#2 Diesel Fuel)
- Full Load Operating Time:** 60 Hours Minimum @ 2000 PSI
- Starter:** 12 Volt, 2.0 kW
- Standard Features:** Skid, SAE Flywheel Housing, SAE Flywheel, SAE B Pump Adaptor, Standard Instrument Panel: Engine Temperature and Low Oil Pressure with optional Gauge, Key Start, and Hour Meter
- Optional Features:** Site or DOT Highway Trailer, Automatic Remote Start/Stop, HANS (Holland Automatic Notification System), NEMA 4 Instrument Package Covering: Air Filter, Fuel Filter, Engine Temperature, Fuel Level, Engine Oil Pressure, Hour Meter, Amp Meter, Hydraulic Oil Pressure
- Perkins Published Performance:** Maximum Continous BHP 51 BHP (38 kW) @ 3000 RPM

H6TP @ 2000 PSI	Capacity of Pump in U.S. Gallons per Minute (gpm) for Continuous Performance
20' Head	450
10' Head	550



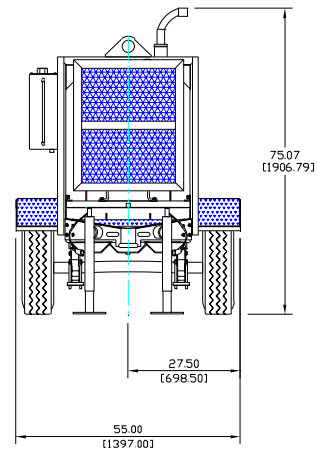
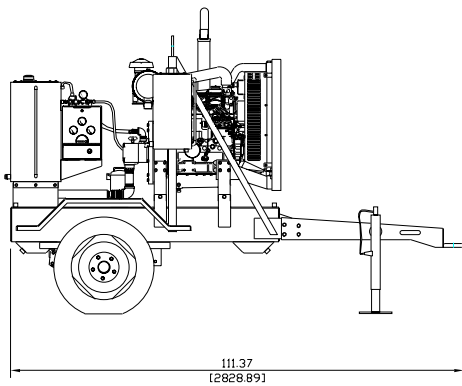
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**4" Hydraulically Driven Submersible System
Model H4TMS - P404D22
Size 4" Trash, Materials, Sludge Pump**

Approximate Dimensions
Powered by Perkins 404D-22 Diesel Engine, Optional
Single Axle Trailer Shown

	Skid Base	DOT Trailer	Pump
Net Weight (lbs)	2202	2502	180
Shipping Weight (lbs)	2302	N/A	N/A
Export Crate Size (cu. ft)	107	N/A	13



**Performance Curve Model: H4TMS - P404D22
Size: 4" Trash, Materials, Sludge Pump**

