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4" Hydraulically Driven Submersible System  
Model H4TMS - P404C22  
Size 4" Trash, Materials, Sludge Pump

Holland® Pump Company  
Corporate Office: 2610 Sidney Lanier Drive  
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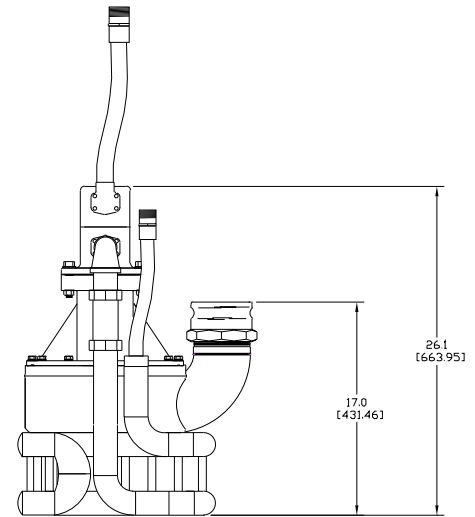
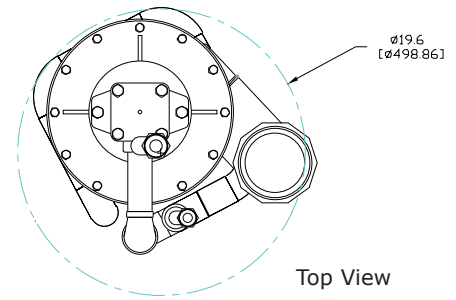
**PUMP SPECIFICATIONS**

**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. Handles 3" diameter compressible spherical solids, clearance for 22" manhole (optional stainless steel or special abrasion resistant steel impellers are available)

**Impeller Shaft:** Stainless 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  
**Biodegradable Oil:** Furnished standard (optional petroleum based hydraulic 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, 404C-22  
**Type:** 4 Cylinder, 4 Stroke, Naturally Aspirated, Liquid Cooled Diesel Engine  
**Displacement:** 2.2 L (134cu.in.)  
**Governor:** Mechanical  
**Lubrications:** Forced Circulation  
**Air Cleaner:** Dry Type with Replaceable Element  
**Oil Reservoir:** 2 U.S. Gallons  
**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:** SAE 4 Flywheel Housing, SAE 7-1/2 Flywheel, SAE B Pump Adaptor, Murphy Safety Shut Down System Covering: Engine Temperature, Engine Oil Pressure, Hydraulic Oil Level & Hydraulic Oil Temperature  
**Optional Features:** Auto-Oiler with Engine Oil Shutdown, Site or DOT Highway Trailer, Automatic Remote Start and Stop, HANS (Holland Automatic Notification System), Full Instrument Package Covering: Air Filter, Fuel Filter, RPM, Radiator Coolant Level, Fuel Level

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

**Perkins Published Performance: Maximum Continous BHP 38 BHP (28.5kW) @ 2000 RPM**

*Specifications subject to change without notice*



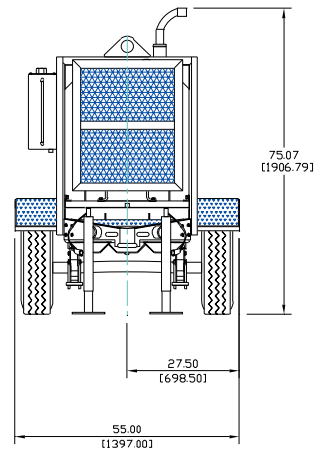
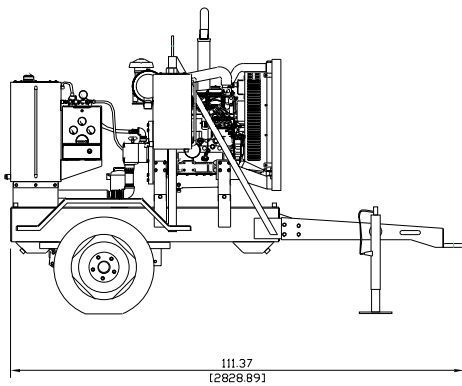
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Size 4" Trash, Materials, Sludge Pump

Approximate Dimensions  
Powered by Perkins 404C-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 - P404C22  
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