4” Hydraulically Driven Submersible System  
Model H4TP - P404D22  
Size 4” Trash Pump

PUMP SPECIFICATIONS

**Size:** 4” Trash Pump  
**Volute:** Fabricated steel with horizontal discharge (optional stainless steel and special abrasion resistant steel volutes are available)  
**Impeller:** Semi-open, 3 Vane. optional stainless steel and special abrasion resistant steel impellers are available  
**Solids:** Handles 3” diameter spherical compressible solids  
**Impeller Shaft:** High strength steel  
**Seal:** Rotary Mechanical, oil-lubricated, carbon & ceramic (optional tungsten carbide and silicon carbide seals are available)

**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 an option to protect system against improper connection or interruption of biodegradable oil flow from pump head to power unit

ENGINE SPECIFICATIONS

**Model:** Perkins, 400 Series, 404D-22, Tier 3  
**Type:** 4 Cylinder, 4 Stroke, Naturally Aspirated, Liquid Cooled, Diesel Engine  
**Displacement:** 2.2L (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 Continuous Power: 51 BHP (38 kW) @ 3000 RPM

<table>
<thead>
<tr>
<th>H4TP @ 2000 PSI</th>
<th>Capacity of Pump in U.S. Gallons per Minute (gpm) for Continuous Performance</th>
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<tbody>
<tr>
<td>20’ Head</td>
<td>700</td>
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<tr>
<td>10’ Head</td>
<td>800</td>
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Specifications subject to change without notice
4” Hydraulically Driven Submersible System
Model H4TP - P404D22
Size 4” Trash Pump

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

Net Weight (lbs) 2202
Shipping Weight (lbs) 2302
Export Crate Size (cu. ft) 107

Performance Curve Model: H4TP - P404D22
Size: 4” Trash Pump

U.S. Gallons Per Minute (GPM) @ 2000 PSI