6” Hydraulically Driven Submersible System
Model H6TP - P404D22
Size 6” Trash Pump

PUMP SPECIFICATIONS
Size: 6” Trash Pump
Volute: Fabricated Steel (optional stainless steel and special abrasion resistant steel volutes are available)
Impeller: Semi-open, 3 Vane. (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 (tungsten carbide or silicon carbide seals are available as an option)

Hydraulic System
Hydraulic Reservoir level: 30 gallon capacity with 10 micron spin-on oil filter. Automatic shutdowns for over-temperature or low oil
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
Lubrications: 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 opional Gauge, Key Start, and Hour Meter
Perkins Published Performance: Maximum Continuous Power: 51 BHP (38 kW) @ 3000 RPM

<table>
<thead>
<tr>
<th>H6TP @ 2000 PSI</th>
<th>Capacity of Pump in U.S. Gallons per Minute (gpm) (Continuous Performance)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20’ Head</td>
<td>1000</td>
</tr>
<tr>
<td>10’ Head</td>
<td>1330</td>
</tr>
</tbody>
</table>
Approximate Dimensions
Powered by Perkins 404D-22 Diesel Engine, Optional
Single Axle Trailer Shown

6" Hydraulically Driven Submersible System
Model H6TP - P404D22
Size 6" Trash Pump

**Performance Curve Model: H6TP - P404D22**
Size: 6" Trash Pump

<table>
<thead>
<tr>
<th>TOTAL HEAD</th>
<th>PSI</th>
<th>FT</th>
</tr>
</thead>
<tbody>
<tr>
<td>750 gpm @ 20' Head</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1000 gpm @ 30' Head</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1330 gpm @ 40' Head</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Skid Base</th>
<th>DOT Trailer</th>
<th>Pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Weight (lbs)</td>
<td>2202</td>
<td>2502</td>
</tr>
<tr>
<td>Shipping Weight (lbs)</td>
<td>2302</td>
<td>N/A</td>
</tr>
<tr>
<td>Export Crate Size (cu. ft)</td>
<td>107</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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