**PUMP SPECIFICATIONS**

**Size:** 8” Trash Pump  
**Volute:** Fabricated Steel (optional stainless steel and special abrasion resistant steel volutes are available)  
**Impeller:** Semi-open, 3 Vane.  
**Solids:** Handles 4” diameter compressible spherical solids.  
**Impeller Shaft:** High strength steel  
**Seal:** Rotary Mechanical, oil-lubricated, carbon & ceramic or optional Tungsten Carbide or Silicon Carbide

**Hydraulic System**  
**Hydraulic Reservoir level:** 50 gallon capacity with twin 10 micron spin on oil filter  
**Hydraulic Oil:** Petroleum based AW68 Furnished standard (optional canola bio-degradable oil or mineral based non-toxic inherently bio-degradable 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 Pressure Relief System:** Available as option to protect system against improper connection or interruption of hydraulic oil flow from pump head to power unit

**ENGINE SPECIFICATIONS**  
**Model:** John Deere 4045TF280, Tier 3  
**Type:** 4 Cylinder, 4 Stroke, Turbocharged, Liquid Cooled Diesel Engine  
**Displacement:** 4.5L (275 cu.in.)  
**Governor:** Mechanical  
**Lubrication:** Forced Circulation  
**Air Cleaner:** Dry Type with Replaceable Element  
**Lube Oil Capacity:** 3.5 U.S. Gallons (13.2L)  
**Coolant Capacity:** 2.25 U.S. Gallons (8.5L)  
**Fuel Tank:** Integral 114 U.S. Gallon Capacity (#2 Diesel Fuel)  
**Full Load Operating Time:** 60 Hours Minimum @ 2000 PSI  
**Starter:** 12 Volt, 2.0 kW  
**Standard Features:** Cast Iron Engine Block, SAE 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  
**Optional Features:** Site or DOT Highway Trailer, Automatic Remote Start and 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

**John Deere Published Performance:**  
Maximum Continuous Power: 72 BHP (54kW) @ 2400 RPM  
Maximum Intermittent Power: 80 BHP (60kW) @ 2400 RPM

Specifications subject to change without notice
8” Hydraulically Driven Submersible System
Model H8TP-JD4045TF280
Size 8” Trash Pump

Approximate Dimensions
Powered by John Deere 4045D Diesel Engine,
Optional Single Axle Trailer Shown

<table>
<thead>
<tr>
<th></th>
<th>Skid Base</th>
<th>DOT Trailer</th>
<th>Pump</th>
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<tbody>
<tr>
<td>Net Weight (lbs)</td>
<td>2568</td>
<td>2968</td>
<td>528</td>
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<tr>
<td>Shipping Weight (lbs)</td>
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<td>Export Crate Size (cu. ft)</td>
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<td>19</td>
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</tbody>
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U.S. Gallons Per Minute (GPM) @ 2000 PSI

Performance Curve Model: H8TP - 4045TF280
Size: 8” Trash Pump

Holland Pump Company
Corporate Office: 7312 Westport Place
West Palm Beach, FL 33413
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www.hollandpump.com