6" Hydraulically Driven Submersible System  
**Model H6MS - 6068T** 
**Size 6" Materials, Sludge Pump**

### PUMP SPECIFICATIONS

**Size:** 6" Materials, Sludge Pump  
**Volute:** Fabricated Steel (optional stainless steel and special abrasion resistant steel volutes are available)  
**Impeller:** Recessed vortex, 6 Vane. Handles 3" diameter spherical solids (optional stainless steel and special abrasion resistant steel impellers are available)  
**Impeller Shaft:** Stainless steel  
**Seal:** Rotary Mechanical, oil-lubricated, carbon & ceramic (optional tungsten carbide and silicon carbide seals are available)  

**Hydraulic System**  
**Hydraulic Reservoir Level:** 50 gallon capacity with twin 10 micron spin-on oil filter  
**Biodegradable Oil:** Furnished standard (optional petroleum base 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 Pressure Relief System:** Available as an option to protect system against improper connection or interruption of hydraulic oil flow from pump head to power unit  
**Optional Equipment:** Skid unit; automatic oiler system to add engine makeup oil as required; cellular phone based pump monitoring system; automatic remote start and stop controller

### ENGINE SPECIFICATIONS

**Model:** John Deere 6068T  
**Type:** 6 Cylinder, 4 Stroke, Turbocharged, Liquid Cooled, Diesel Engine  
**Displacement:** 6.8L (414 cu.in.)  
**Governor:** Mechanical  
**Lubrications:** Forced Circulation  
**Air Cleaner:** Dry Type with Replaceable Element  
**Lube Oil Capacity:** 5 U.S. Gallons  
**Coolant Capacity:** 5 U.S. Gallons  
**Fuel Tank:** Integral 240 U.S. Gallon Capacity (#2 Diesel Fuel)  
**Full Load Operating Time:** 60 Hours Minimum @ 2000 PSI  
**Starter:** 12 Volt  

**H6MS @ 2000 PSI**  
| Capacity of Pump in U.S. Gallons per Minute (gpm) @ Continuous Performance |  
|----------------|---|  
| 20' Head | 1800 |  
| 10' Head | 2000 |  

**Standard Features:** SAE 4 Flywheel Housing, SAE 11 1/2" Flywheel, SAE C Pump Adaptor; Murphy Safety Shut Down System  
**Covering:** Engine Temperature, Engine Oil Pressure, Hydraulic Oil Level, Hydraulic Oil Temperature & Engine Oil Level in "Auto-Oiler" reservoir  

**John Deere Published Performance:**  
Maximum Continuous Power: 166 BHP(124KW) @ 2400 RPM  
Maximum Intermittent Power: 185 BHP(136KW) @ 2400 RPM

*Specifications subject to change without notice*
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Approximate Dimensions
Powered by John Deere 6068T Engine
Tandem Axle Trailer Shown

TOTAL HEAD
PSI  FT
88  200
80  180
70  160
60  140
50  120
40  100
30  80
20  60
10  40
0   20

Performance Curve Model: H6MS - 6068T
Size: 6" Materials, Sludge Pump

U.S. Gallons Per Minute (GPM)