12” Hydraulically Driven Submersible System
Model H12TP-JD6068HF285
Size 12” Trash Pump

PUMP SPECIFICATIONS
Size: 12” 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 4.5” diameter compressible spherical solids.
Impeller Shaft: High strength steel
Seal: Rotary Mechanical, oil-lubricated, carbon & ceramic (optional tungsten carbide or silicon carbide seals are available option)

Hydraulic System
Hydraulic Reservoir level: 50 gallon capacity with twin 10 micron spin on oil filter
Hydraulic Oil: Petroleum based AW68 Furnished standard (optional 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 option to protect system against improper connection or interruption of hydraulic oil flow from pump head to power unit

ENGINE SPECIFICATIONS
Model: Deere 6068HF285, Tier 3
Type: 6 Cylinder, 4 Stroke, Turbocharged, Liquid Cooled Diesel Engine
Displacement: 6.8 L (415 cu.in.)
Governor: Electronic
Lubrications: Forced Circulation
Air Cleaner: Dry Type with Replaceable Element
Lube Oil Capacity: 5 U.S. Gallons (18.9L)
Coolant Capacity: 3.25 U.S. Gallons (12.3L)
Fuel Tank: Integral 240 U.S. Gallon Capacity (#2 Diesel Fuel)
Full Load Operating Time: 60 Hours Minimum
Starter: 12 Volt
Standard Features: Cast Iron Engine Block, 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, Murphy Powerflow control panel: Oil Pressure, Engine Temp, RPM, Hour Meter, Load, Engine Code Diagnostics
Optional Features: Site or DOT Highway Trailer, Automatic Remote Start and Stop, HANS (Holland Automatic Notification System)
Coupling: SAE Flywheel & Bell housing adaptor, Stromag coupling

John Deere Published Performance: Maximum Continuous Power: 139 BHP (104kW)@ 2200 RPM, Peak Power: 140 BHP (105kW) @ 2000 RPM
12" Hydraulically Driven Submersible System
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Size 12" Trash Pump

Approximate Dimensions
Powered by John Deere 6068HF285
Optional Tandem Axle Trailer Shown

Performance Curve Model: H12TP-D6068HF285
Size: 12" Trash Pump

TOTAL HEAD
PSI FT

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<th>Shipping Weight (lbs)</th>
<th>Export Crate Size (cu. ft)</th>
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