

**4" Hydraulically Driven Submersible System**  
**Model H4TMS-D2.9L4-SS**  
**Size 4" Trash, Materials, Sludge Pump**

Holland® Pump Company  
Corporate Office: 7312 Westport Place  
West Palm Beach, FL 33413  
USA  
1-800-451-0769  
www.hollandpump.com

### PUMP SPECIFICATIONS

**Size:** 4" Trash, Materials, Sludge Pump

**Volute:** Fabricated steel with verticle discharge (optional stainless steel and special abrasion resistant steel volutes are available)

**Impeller:** Recessed vortex, 6 Vane, Steel Impeller

**Solids:** Handles 3" 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:** 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 option to protect system against improper connection or interruption of biodegradable oil flow from pump head to power unit

### SOUND ENCLOSURE SPECIFICATIONS

**Sound Level:** Holland Pump Supersilent pump units are tested for Sound Level using the Contractors Pump Bureau Sound Level Measurement Standard for Pump Units using a calibrated Sound Level Meter. This procedure produces an average Sound Level based on eight measurements under strict conditions of pump placement. They are tested at full RPM pumping water. The sound Level result for the W8R-SS is 57 dBA @ 23 feet.

**Enclosure:** Aluminum construction, removable for ease of maintenance.

**Stainless steel accessories** including bolt on, lift off hinges.

**Base:** Environmentally safe spill containment type base

**Lifting Access:** External lifting bail, integral forklift pockets

### ENGINE SPECIFICATIONS

**Model:** Deutz D2.9L4, Tier 4 Final or Approved Alternate

**Type:** 4 Cylinder, 4 Stroke, Naturally Aspirated, Liquid Cooled Diesel Engine

**Displacement:** 2.9 L (177cu.in.)

**Governor:** Electronic

**Lubrication:** Forced Circulation

**Air Cleaner:** Dry Type with Replaceable Element

**Lube Oil Capacity:** 2.4 U.S. Gallons (9L)

**Coolant Capacity:** 2.1 U.S. Gallons (8L)

**Fuel Tank:** Integral 68 U.S. Gallon Capacity (#2 Diesel Fuel)

**Full Load Operating Time:** 60 Hours Minimum @ 2000 PSI

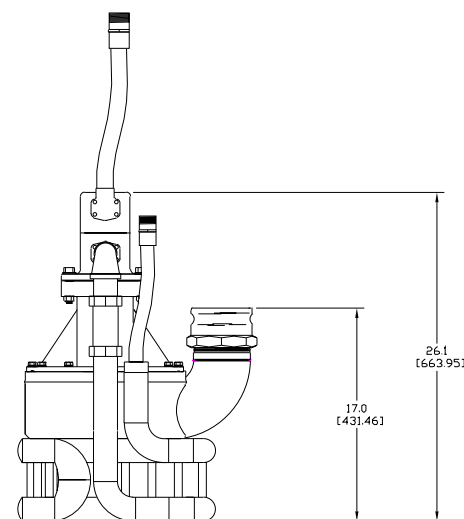
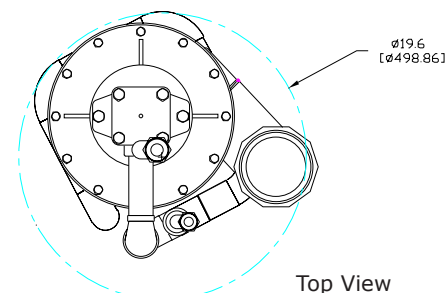
**Starter:** 12 Volt, 2.0 kW

**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

**Deutz Published Performance:** Maximum Continous BHP 50 BHP (37.3 kW) @ 2600 RPM



Holland 4" Trash Materials, Sludge Pump

H4TMS @ 2000 PSI ft / m	Flow per Minute (gpm / m³/h) for Continuous Performance
20' / 9.14	450 / 102
10' / 4.57	550 / 125

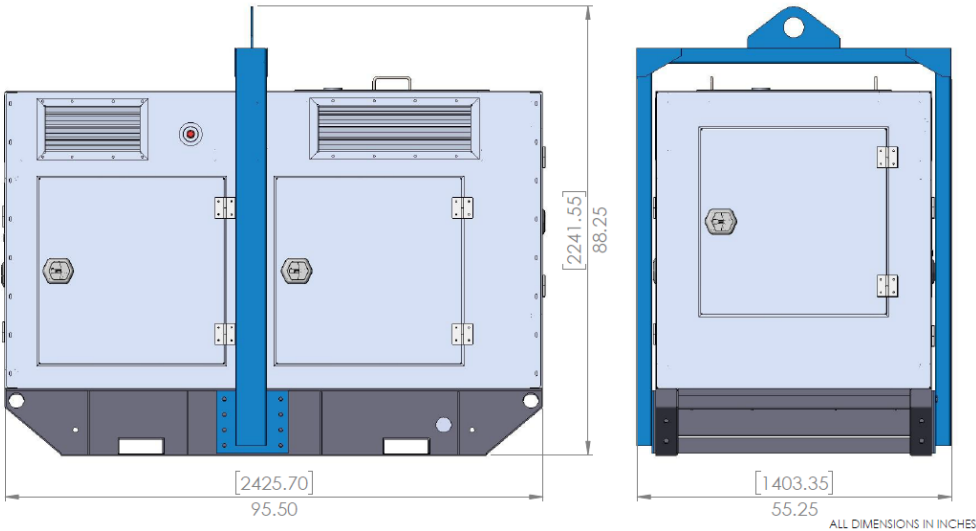


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Approximate Dimensions  
Powered by Deutz D2.9L4 Diesel Engine

	Skid Base	DOT Trailer	Pump
Net Weight (lbs)	2202	2502	180
Shipping Weight (lbs)	2302	N/A	N/A
Export Crate Size (cu. ft)	107	N/A	13



Performance Curve Model: H4TMS-D2.9L4-SS  
Size: 4" Trash, Materials, Sludge Pump

