

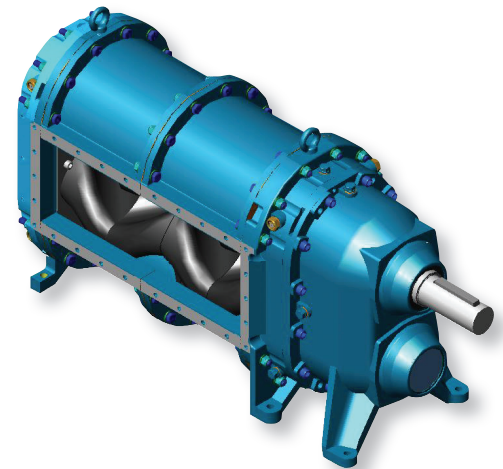


12" Rotary Pump
Model W12R - D4045TF280 Super Silent
Size 12" Rotary Pump

Holland® Pump Company
Corporate Office: 2610 Sidney Lanier Drive
Brunswick, Georgia 31525
Phone 912-466-0304
1-888-997-PUMP
www.hollandpump.com

PUMP SPECIFICATIONS

Size: 12" Rotary Pump
Pump: LobePro GL531, Class 30 gray cast iron casing and smooth end cover
Solids: Handles up to 2.5" compressible solids
Rated Capacities: 2656 GPM (355 CFM) @ 500 RPM
Displacement: 531 US gallons per 100 revolutions
Working Pressure: to 87 psi
Flange Connections: 10" Flat Face ANSI, 150 lbs. Flange connections included
Rated Speed: 0 - 500 RPM. Consult factory for recommended operating speeds
Rotors in: Helix three wing rotors, NBR standard, other materials available on request
Wet-Ends: Standard in Gray Cast Iron
Shaft Material: Alloy Steel, AISI 4140
Rear Door: Contains 2 bearings and two mechanical seals to prevent shaft deflection. The door is readily removable for changing lobes, mechanical sea cartridges and wear plate.
Gear Material: AGMA Class 8, SAE 1045
Mechanical Seals: Duronit vs. Duronit cartridge seal
Vibration: Pumps and motors operate at any point within their operating range without undue noise and vibration
Top and Bottom Housing Segments: ASTM A48 Class 30 gray cast iron coated with ceramic epoxy for wear resistance; options include Ryton® and Tungsten Carbide. Segments adjustable based on wear.
Optional Equipment: Site or DOT highway trailer, Holland Automatic Notification System (HANS) with low vacuum shutdown system (LOV), automatic remote start and stop controller



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 W12R-SS is 71 dBA @ 23 feet.
Enclosure: Steel 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

GEAR SPECIFICATIONS

PTO Gear reduction 3.66 to 1

ENGINE SPECIFICATIONS

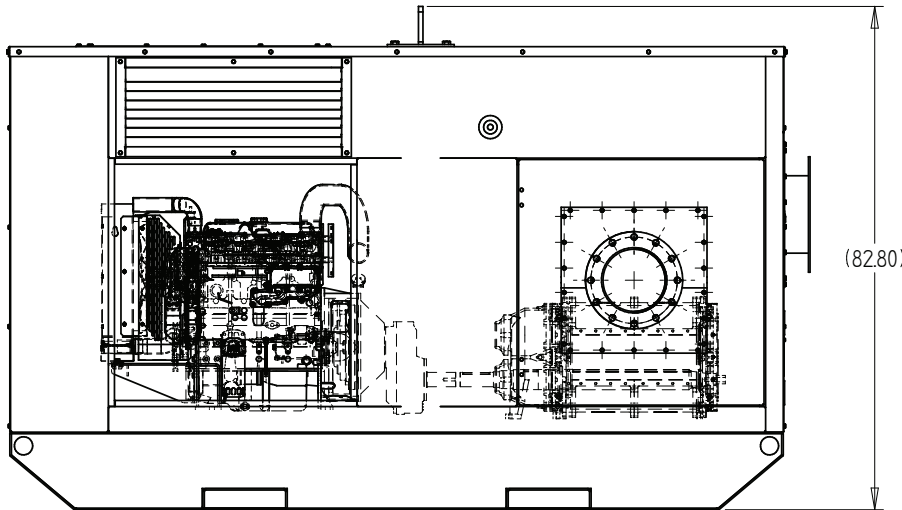
Model: John Deere 4045TF280, Tier 3
Type: 4 Cylinder, 4 Stroke, Turbocharge Aspirated, Liquid Cooled Diesel Engine
Displacement: 4.5L (276 cu.in.)
Governor: Mechanical
Lubrication: Forced Circulation
Air Cleaner: Dry Type with Replaceable Element
Lube Oil Capacity: 3.5 U.S. gal (13.2L)
Coolant Capacity: 2.25 U.S. gal (8.5L)
Fuel Tank: Integral 114 U.S. Gallon Capacity (#2 Diesel Fuel)
Full Load Operating Time: 60 Hours Minimum
Starter: 12 Volt, 3.0 kW
Standard Features: Murphy control panel - 3 Gauges: Oil Pressure, Engine Temperature, Hour meter plus lights for engine running, low oil pressure, high engine temperature, overcrank, and overspeed. Toggle switch start/stop.
Optional Features: NEMA 4 Instrument Package Covering: Air Filter, Fuel Filter, Engine Temperature Level, Fuel Level, Engine Oil Pressure, Hour Meter, Amp Meter, Hydraulic Oil Pressure
Coupling: Dodge
John Deere Published Performance:
 Maximum Continuous Power: 72 BHP (54kW) @ 2400 RPM
 Maximum Intermittent Power: 80 BHP (60kW) @ 2400 RPM

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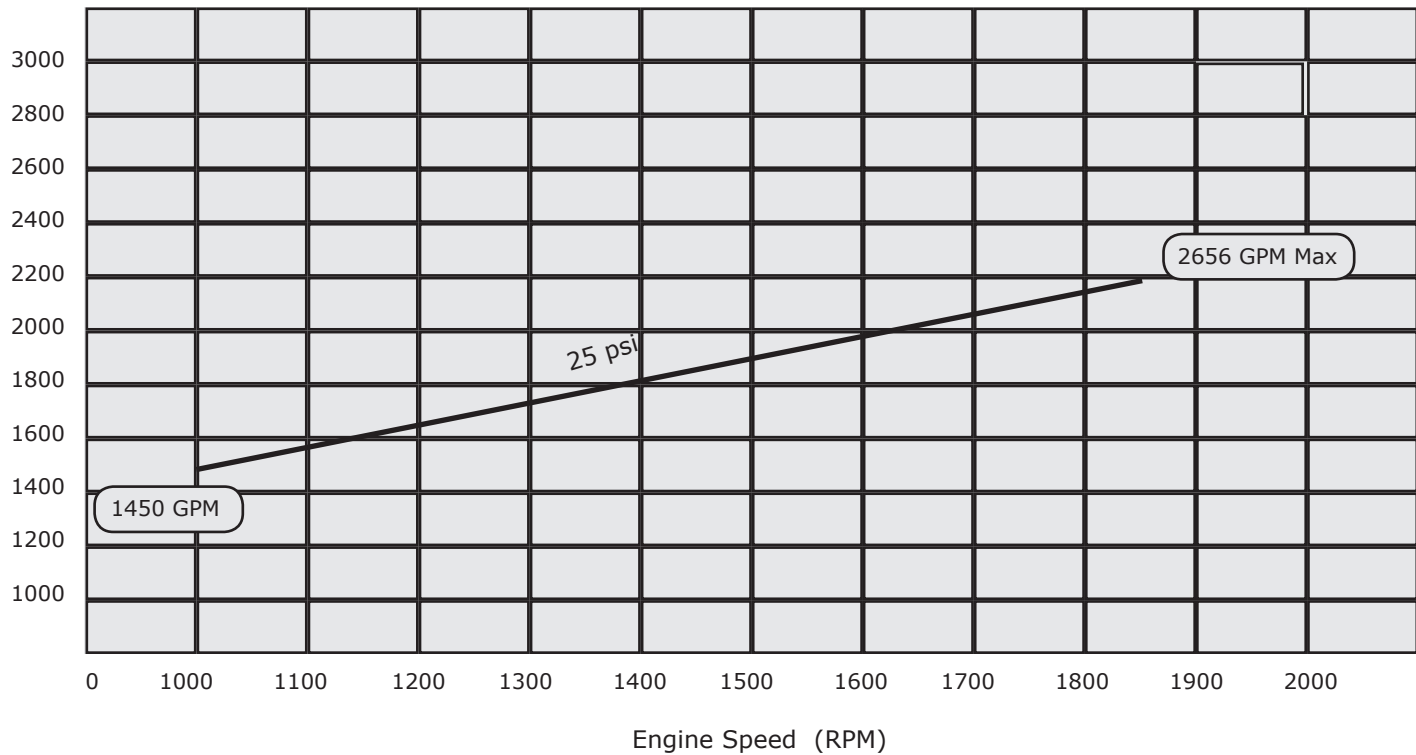
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Approx. Net Weight (lbs) Skid Base 6400

U.S. Gallons
Per Minute (GPM)

Performance Curve Model: W12R - D4045TF280
Size: 12" Rotary Pump



The above curve is based on pumping clear water at 62 degrees with no lift required and no restrictions in the discharge.