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PRIME³ Vacuum Assisted Suction Pump
Model PT8TPA - D4045TF280
Size 8" Trash 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

Type/Model: Solids handling/Cornell Redi Prime
Volute: Cast iron ASTM A48 class 30
Flanges: 8" suction, 8" discharge
Impeller: 2 vane enclosed, 10.09" diameter
Solids: Handles 3" diameter compressible, spherical solids
PRIME³ Priming System: Automatic priming system that features a 50 cfm water tolerant, diaphragm vacuum pump driven by the main drive shaft. Our major competitors use a 15 cfm compressor pump with a small compressor venturi that can easily clog. The air/water separator is a simple, reliable float that opens and closes a rubber plunger as water rises and falls. A non return valve isolates the pump during priming and protects against back flow
Wear Rings: Replaceable (Double wear rings available)
Seal: Cornell's patented Cycloseal® design with Run-Dry oil lubrication system. John Crane T-2 single mechanical seal with Viton® elastomers, stainless steel hardware and tungsten- vs. silicon carbide seal faces for abrasion resistance
Discharge Valve: Val-matic or Equal
Shaft Sleeve: Heat treated 416 stainless steel
Bearings: Heavy duty, grease lubricated, deep groove ball bearings, with a minimum of 50,000 hours bearing life

PT8TPA-D4045TF280			Shutoff Head: 150 feet		
Flow (GPM)	Speed (RPM)	TDH (ft)	Pump Efficiency (%)	Power (hp)	Max Suction Head (ft)*
2696	2100	55.7	66	57.5	9
2247	2100	74.1	77	54.3	13.6
1953**	2100	85.3	80	52.5	20.4
1798	2100	89.8	79	50.9	21.8
1348	2100	103	75	46.3	23
899	2100	115	63	41.1	23

*Max Suction Head is suction lift plus friction losses without risk of suction cavitation
 **Best Efficiency Point

ENGINE SPECIFICATIONS

Model: John Deere 4045TF280, Tier 3
Type: 4 Cylinder, 4 Stroke, Naturally Aspirated, Liquid Cooled Diesel Engine
Displacement: 4.5L (276 cu.in.)
Governor: Mechanical
Lubrications: 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, 2.0 kW
Standard Features: Cast Iron Engine Block, 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: Auto-Oiler with Engine Oil Shutdown, 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
Coupling: Stromag coupling
John Deere Published Performance:
 Maximum Continuous Power: 72 BHP (54kW) @ 2400 RPM
 Maximum Intermittent Power: 80 BHP (60kW) @ 2400 RPM

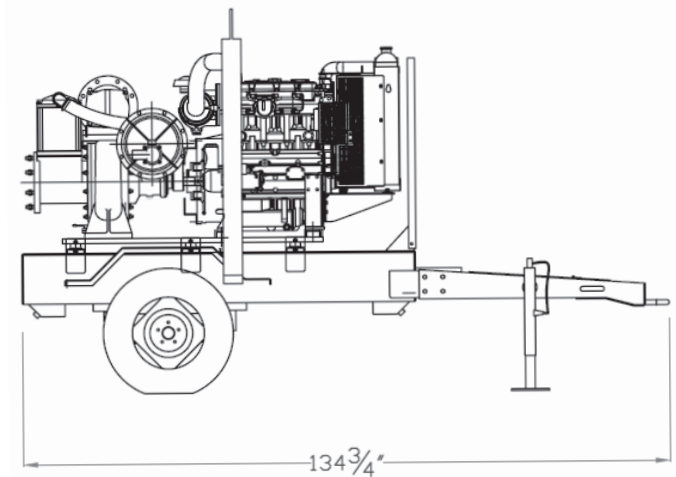
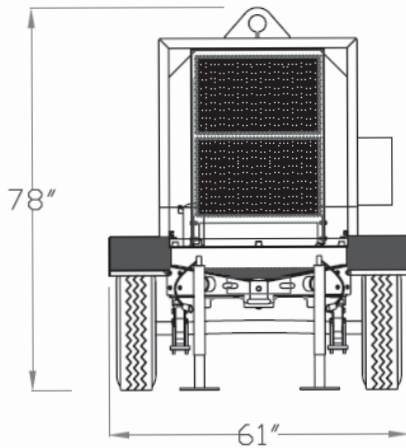


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Approximate Dimensions
Powered by John Deere 4045TF280
Optional trailer shown

	Skid Base	DOT Trailer
Approx. Net Weight (lbs)	4500	6300
Shipping Weight (lbs)	4900	N/A



Performance Curve Model: PT8TPA - D4045TF280
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