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PRIME³ Vacuum Assisted Suction Pump
Model PT8TPA - JD4045 TF280 Super Silent
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:** Enclosed - 2 vane, 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

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 PT8TPA is 66 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

ENGINE SPECIFICATIONS

- Model:** John Deere 4045TF280, Tier 3
- Type:** 4 Cylinder, 4 Stroke, Turbocharge Aspirated, Liquid Cooled Diesel Engine,
- Displacement:** 4.5L (275 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, 2.0 kW

Standard Features: SAE Flywheel Housing, SAE Clutch, 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 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

PT8TPA-D4045TF280-SS			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



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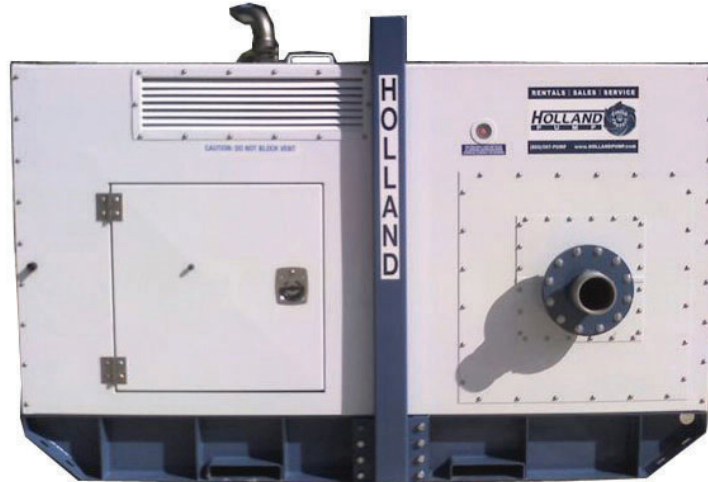
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Approximate Dimensions: 105 ¼" x 69 ¾" x 54"
Powered by John Deere 4045 TF280 Diesel Engine

Approx. Net Weight (lbs)

Skid Base
8080



Performance Curve Model:
PT8TPA - JD4045 TF280 Super Silent
Size: 8" Trash Pump

