



# Priming Assisted Centrifugal Pump

Diesel Engine Driven

Models PA6C60-4045D *and* PA6C60-4045D-A  
Size 6" x 6"

Total Head		Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance				
P.S.I.	Feet					
63.3	146	200	200	200	200	200
60.7	140	400	400	400	400	400
52.0	120	820	1000	1000	1000	1000
43.4	100	960	1380	1420	1420	1420
34.7	80	1040	1500	1770	1770	1770
26.0	60	1100	1510	1815	2050	2050
17.4	40	1140	1505	1820	2120	2250
8.7	20	1200	1550	1820	2150	2360
Suction Lift		25'	20'	15'	10'	5'

## PUMP SPECIFICATIONS

**Size:** 6" x 6" NPT (152 mm x 152 mm) - Female.

**Casing:** Ductile Iron No. 65-45-12. Maximum Operating Pressure 100 psi (7 kg/cm<sup>2</sup>).\*

**Open Type, Two Vane Impeller:** Ductile Iron No. 65-45-12. Handles 3" (76.2 mm) Diameter Spherical Solids.

**Impeller Shaft:** Stainless Steel No. 17-4 PH.

**Replaceable Wear Plate:** Ductile Iron No. 80-60-03.

**Removeable Cleanout Cover Plate:** Gray Iron No. 30.

**Intermediate Bracket:** Gray Iron No. 30.

**Seal Plate:** Gray Iron No. 30.

**Seal:** Mechanical, Oil-Lubricated, Double Floating Self-Aligning. Silicon Carbide Rotating and Stationary Faces. Stainless Steel No. 316 Stationary Seat. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel No. 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).\*

\* Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.

**Shaft Sleeve:** Stainless Steel No. 17-4 PH.

**Priming Chamber:** Gray Iron No. 30.

**Discharge Check Valve:** Gray Iron No. 30 and Buna-N.

**Radial Bearing:** Open Single Ball.

**Thrust Bearing:** Open Double Ball.

**Bearing Lubrication:** Oil.

**Flanges:** Gray Iron No. 30.

**Gaskets:** Resistant Synthetic Rubber, Cork, PTFE, Vegetable Fiber, and Compressed Synthetic Fibers.

**Hardware:** Standard Plated Steel.

**Bearing and Seal Cavity Oil Level Sight Gauges.**

**PA6C60-4045D-A ONLY:** Liquid Level Controls: Submersible Transducer\* and Electronic Pressure Switch (EPS) Control with Start/Stop Set Point Adjustments for Automatic Filling/Emptying.

\* 50 Ft. (15 m) Standard Length; 150 Ft. (46 m) Maximum; Specify Length at Time of Order.

**Standard Equipment:** Bearing and Seal Cavity Oil Level Sight Gauges. Hoisting Bail. Strainer. Gear-Driven Air Compressor.

**Optional Equipment:** Battery. Two Wheel Truck Assembly with P225/75R15 Pneumatic Tires. Over-the-Road Trailer (Meets D.O.T. and Transport Canada Requirements).



PA6C60--4045D SHOWN  
(WITH OPTIONAL WHEEL KIT)



Do not use in explosive atmosphere or for pumping volatile flammable liquids.

## ENGINE SPECIFICATIONS

**Model:** John Deere 4045DF150 "Power Tech".

**Type:** Four Cylinder, Four Cycle, Liquid Cooled Diesel Engine.

**Displacement:** 276 Cu. In. (4,5 liters).

**Governor:** Mechanical.

**Lubrication:** Forced Circulation.

**Air Cleaner:** Dry Type.

**Oil Reservoir:** 9 U.S. Qts. (8,5 liters) Dry;  
8 U.S. Qts. (7,6 liters) Refill.

**Fuel Tank:** 88 U.S. Gals. (330 liters).

**Full Load Operating Time:** 26.1 Hrs.

**Starter:** 12V Electric.

**Standard Features:** Low Oil Pressure and High Coolant Temperature Safety Shut Down Switches. Instrument Panel Includes: Tachometer, Hourmeter, Coolant Temperature Gauge, Oil Pressure Gauge, Vernier Throttle Control, On/Off Key Switch, and Ammeter. Muffler w/Guard and Weather Cap.

**JOHN DEERE PUBLISHED PERFORMANCE:**  
Maximum Continuous BHP 72 (54 kW) @ 2500 RPM  
Maximum Dynamic BHP 80 (60 kW) @ 2500 RPM



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Specifications Subject to Change Without Notice

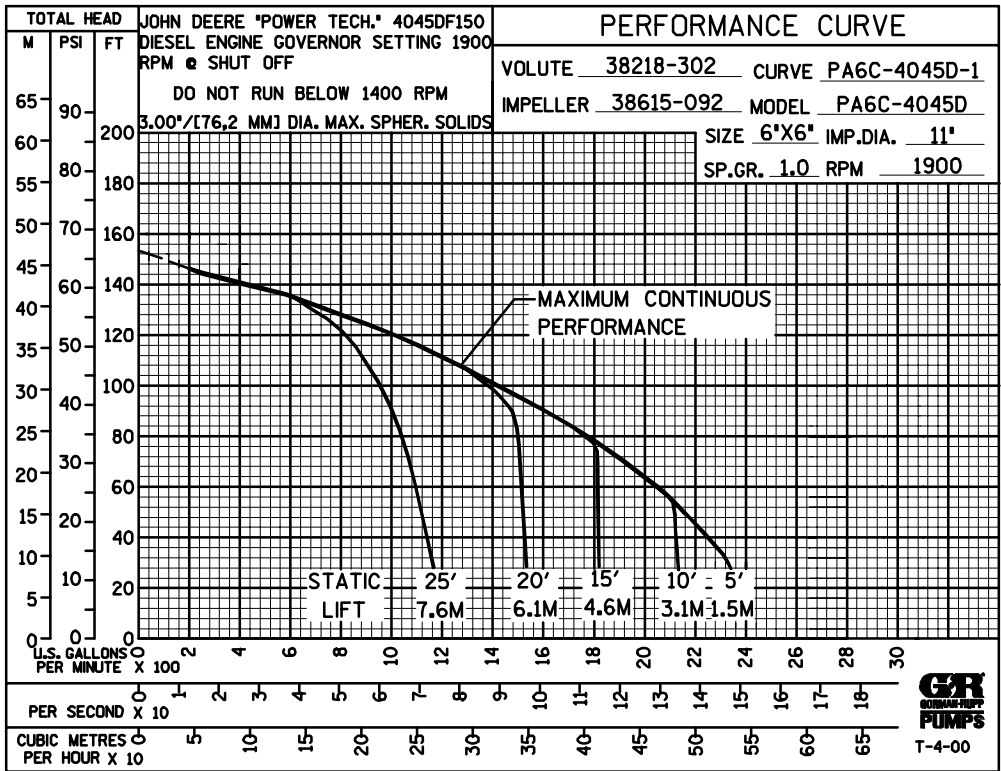
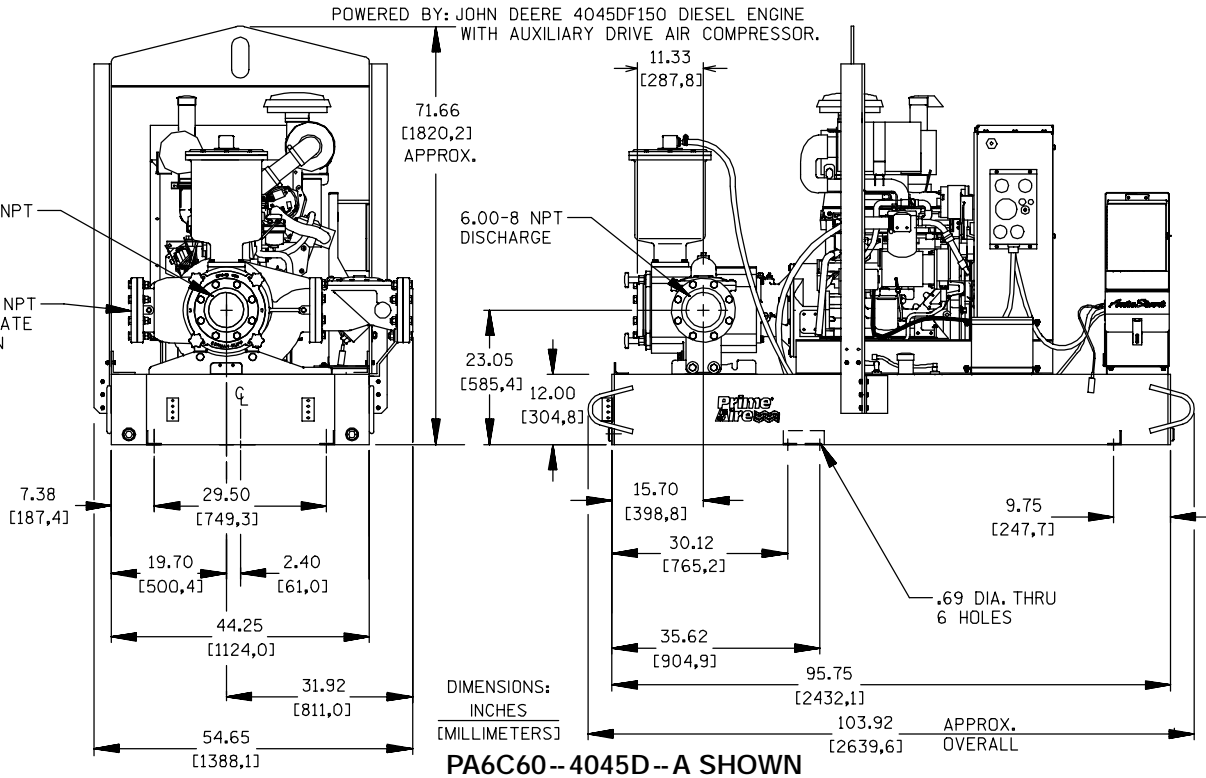
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**Specification Data**

SECTION 42, PAGE 1100

APPROXIMATE  
DIMENSIONS and WEIGHTS

	<b>SKID BASE</b>	<b>2-WHEEL</b>
<b>NET WEIGHT:</b>	3310 LBS. (1501 KG.)	3600 LBS. (1633 KG.)
<b>SHIPPING WEIGHT:</b>	3460 LBS. (1569 KG.)	3600 LBS. (1633 KG.)
<b>EXPORT CRATE SIZE:</b>	247 CU. FT. (7 CU. M.)	



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