



# Priming Assisted Centrifugal Pump

Diesel Engine Driven

Models PA6A60-4045D and PA6A60-4045D-A

Size 6" x 6"

Total Head		Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance			
P.S.I.	Feet				
60.7	136	310	310	310	310
52.0	120	700	720	720	720
43.4	100	765	1040	1180	1180
34.7	80	800	1085	1345	1500
26.0	60	835	1130	1420	1700
17.3	40	805	1170	1440	1770
Suction Lift		25'	20'	15'	10'

## PUMP SPECIFICATIONS

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

**Casing:** Gray Iron No. 30. Maximum Operating Pressure 99 psi (6.9 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:** Steel No. 1018.

**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 Housing. Buna-N Flapper.

**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.

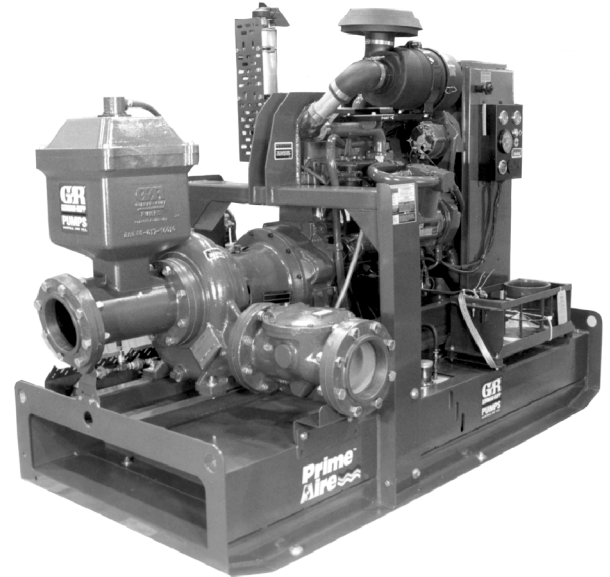
**Bearing and Seal Cavity Oil Level Sight Gauges.**

**PA6A60-4045D-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:** Hoisting Bail. Skid Base. 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). G-R Hard Iron Impeller and Wear Plate.



PA6A60-- 4045D SHOWN



## WARNING!

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 liter).

**Governor:** Mechanical.

**Lubrication:** Forced Circulation.

**Air Cleaner:** Dry Type.

**Oil Reservoir:** 9 U.S. Qts. (8.5 liter) Dry;  
8 U.S. Qts. (7.6 liter) Refill.

**Fuel Tank:** 65 U.S. Gals. (246 liter).

**Full Load Operating Time:** 24 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 <sup>W</sup>/Guard and Weather Cap.

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



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

Specifications Subject to Change Without Notice

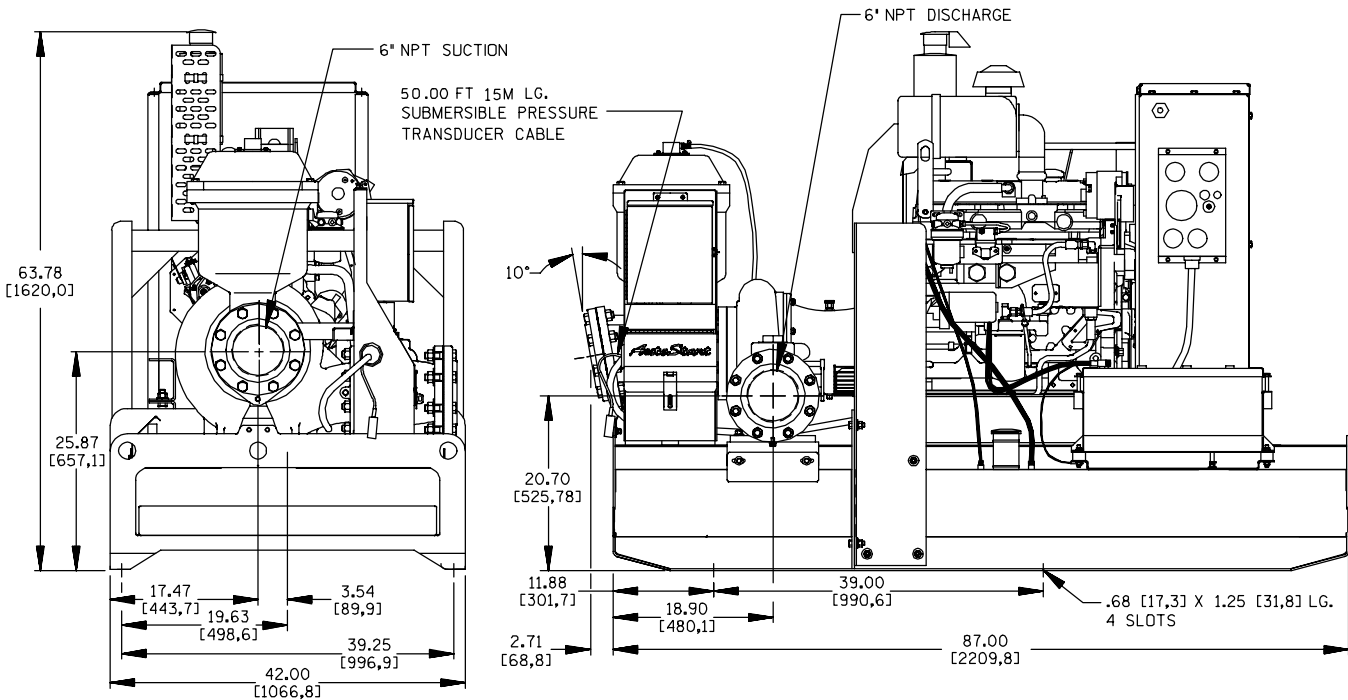
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**Specification Data**

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APPROXIMATE DIMENSIONS and WEIGHTS

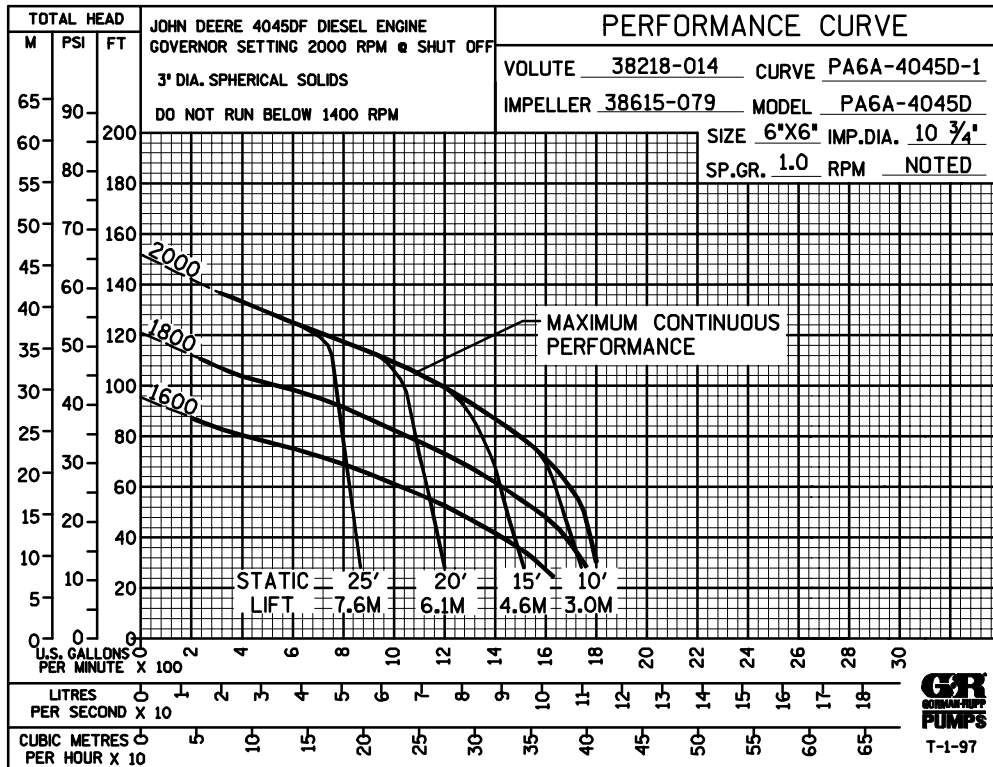
	<b>SKID BASE</b>	<b>2-WHEEL</b>
<b>NET WEIGHT:</b>	2922 LBS. (1325 KG.)	3239 LBS. (1469 KG.)
<b>SHIPPING WEIGHT:</b>	3032 LBS. (1375 KG.)	3239 LBS. (1469 KG.)
<b>EXPORT CRATE SIZE:</b>	139 CU. FT. (3,9 CU. M.)	400 CU. FT. (11,3 CU. M.)



DIMENSIONS:  
INCHES  
[MILLIMETERS]

PA6A60--4045D--A SHOWN

POWERED BY JOHN DEERE 4045D DIESEL ENGINE



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