



# Priming Assisted Centrifugal Pump

Diesel Engine Driven

## Model PA12A60-B-BF6L-T

### Size 12" x 12"

Total Head		Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance			
P.S.I.	Feet				
41.2	95	1000	1000	1000	1000
39.0	90	1850	2200	2200	2200
34.7	80	2800	3650	3900	3900
30.4	70	3075	4190	4745	4900
26.0	60	3125	4298	5100	5500
22.7	50	3200	4350	5150	5800
17.3	40	3250	4400	5200	5850
13.0	30	3300	4450	5250	5900
8.7	20	3375	4500	5300	5900
<b>Suction Lift</b>		<b>25'</b>	<b>20'</b>	<b>15'</b>	<b>10'</b>



#### PUMP SPECIFICATIONS

**Size:** 12" x 12" (305 mm x 305 mm) Flanges.

**Casing:** Gray Iron No. 30. Maximum Operating Pressure 64 psi (4.5 kg/cm<sup>2</sup>).\*

**Enclosed Type, Three Vane Impeller:** Ductile Iron No. 60-40-18. Handles 3" (76 mm) Diameter Spherical Solids.

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

**Replaceable Wear Ring:** Brass No. 85-5-5-5.

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

**Bearing Housing:** 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 (DuPont Viton® or Equivalent) and Buna-N Elastomers. 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. 304.

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

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

**Radial Bearing:** Single Row Roller.

**Thrust Bearing:** Open Double Ball.

**Bearing Lubrication:** Oil.

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

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

**O-Rings:** Buna-N.

**Hardware:** Standard Plated Steel.

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

**Standard Equipment:** Belt-Driven Air Compressor. Hoisting Bail. Strainer. Tandem Axle Off-Road Truck Assembly with Four P225/75R15 Pneumatic Tires.

**Optional Equipment:** Battery.



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

#### ENGINE SPECIFICATIONS

**Model:** Deutz Turbocharged BF6L913.

**Type:** Six Cylinder, Four Cycle, Air Cooled Diesel.

**Displacement:** 373.5 Cu. In. (6.1 liter).

**Governor:** Mechanical.

**Lubrication:** Forced Circulation.

**Air Cleaner:** Oil Bath.

**Oil Reservoir:** 19.5 U.S. Qts. (18 liter) Dry.  
17 U.S. Qts. (16 liter) Refill.

**Fuel Tank:** 160 U.S. Gals. (605 liter).

**Full Load Operating Time:** 30 Hrs.

**Starter:** 12V Electric.

**Standard Features:** Low Oil Pressure and V-Belt Failure Safety Shut Down Switches. Exhaust Muffler w/Guard. 1.82:1 Reduction Drive. Instrument Panel with: Temperature Gauge, Oil Pressure Gauge, and Tachometer/Hourmeter.

**DEUTZ PUBLISHED PERFORMANCE:**  
Maximum Continuous BHP141 (105 kW)  
@ 2300 RPM



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Specifications Subject to Change Without Notice

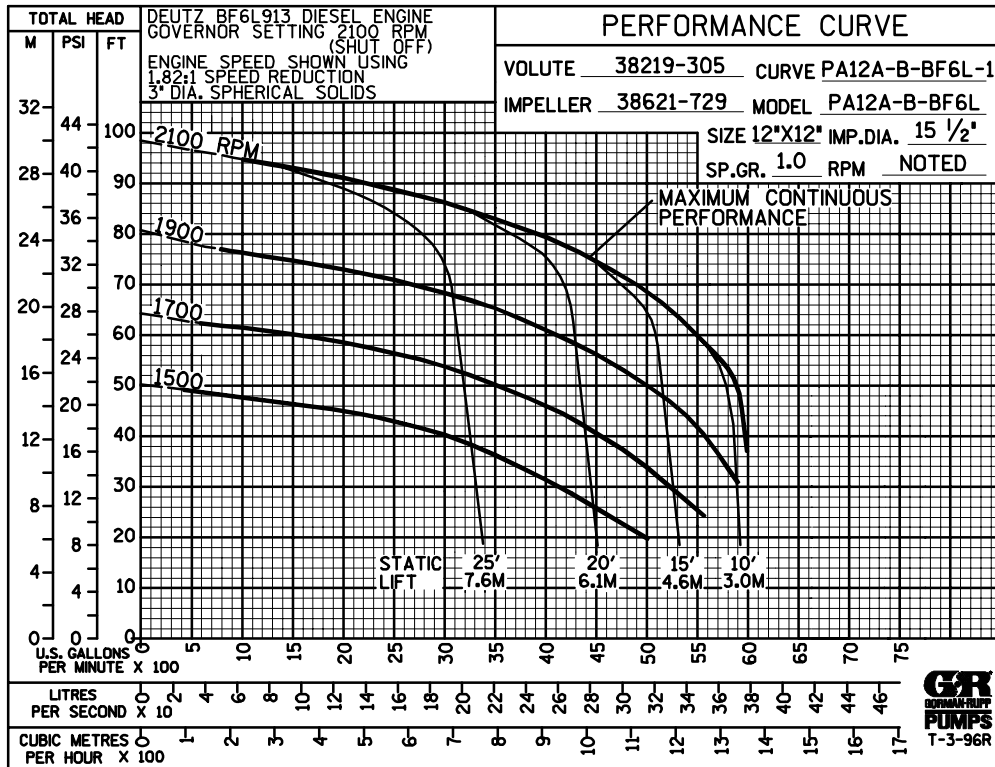
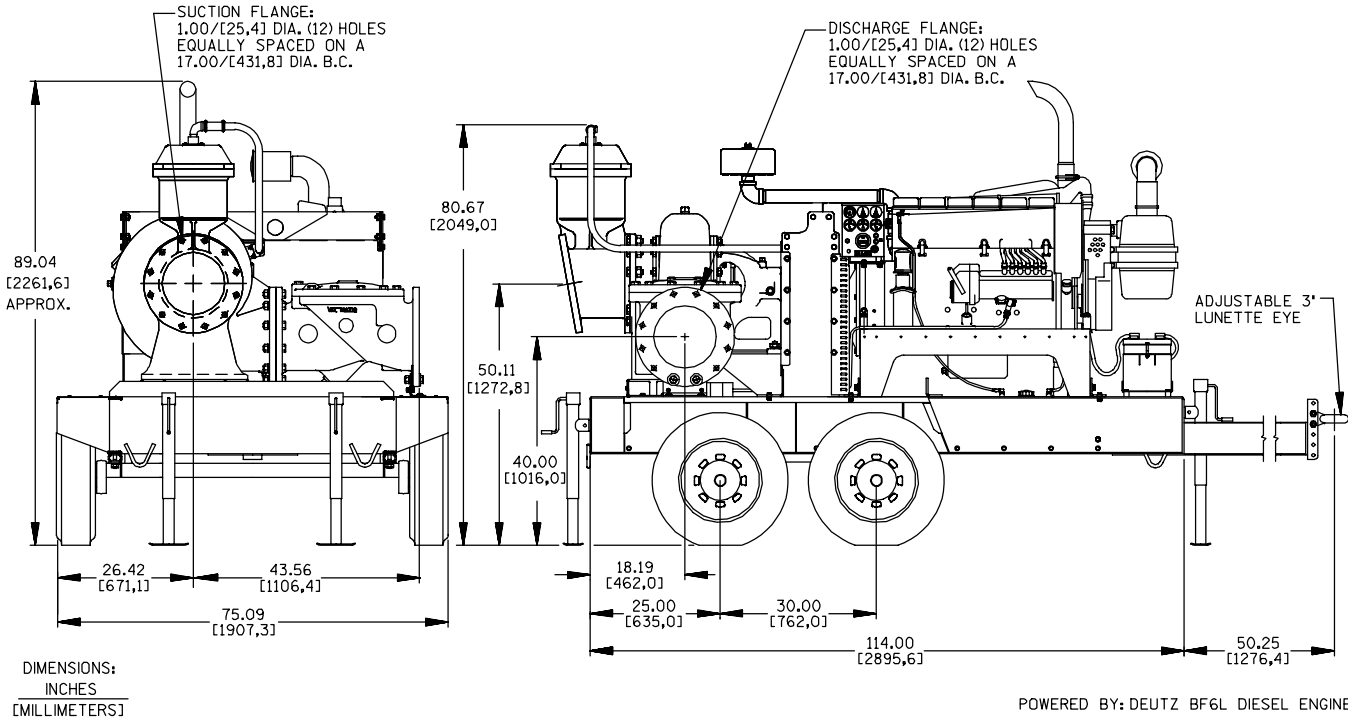
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**Specification Data**

APPROXIMATE  
DIMENSIONS and WEIGHTS

NET WEIGHT: 6284 LBS. (2850 KG.)  
SHIPPING WEIGHT: 6284 LBS. (2850 KG.)  
EXPORT CRATE SIZE: 624.9 CU. FT. (17,7 CU. M.)

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