

# Priming Assisted Centrifugal Pump w/Autostart



## Model PAH16A60C-B-C18

Size 18" x 16"



Total Head		Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance			
P.S.I.	Feet				
78.0	180	N/A	5000	5000	5000
69.4	160	N/A	8300	10400	10400
60.0	140	N/A	8500	11600	13200
52.0	120	N/A	8600	12000	13800
43.4	100	5600	8800	12000	13900
34.7	80	6000	8900	12100	13900
26.0	60	6100	9100	12100	13900
17.3	40	6200	9200	12200	14000
8.7	20	6500	9400	12300	14000
<b>Suction Lift</b>		<b>25'</b>	<b>20'</b>	<b>15'</b>	<b>10'</b>



**PUMP SPECIFICATIONS**

**Size:** 18" x 16" (457 mm x 406 mm) Flanged.  
**Casing:** Ductile Iron 65-45-12.  
 Maximum Operating Pressure 117 psi (807 kPa).\*  
**Enclosed Type, Four Vane Impeller:** Ductile Iron 80-55-06.  
 Handles 4" (101,6 mm) Diameter Spherical Solids.  
**Impeller Shaft:** Alloy Steel 4150M.  
**Replaceable Wear Ring:** Ductile Iron 65-45-12.  
**Bearing Pedestal:** Gray Iron 30.  
**Seal Plate:** Ductile Iron 65-45-12.  
**Seal:** Mechanical, SAE 30 Non-Detergent Oil-Lubricated. Silicon Carbide Rotating Face and Stationary Seat. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 316 Cage and Stainless Steel 18-8 Spring. Maximum Temperature of Liquid Pumped 160 F (71 C).\*  
**Shaft Sleeve:** Stainless Steel 303/304.  
**Priming Chamber:** Gray Iron 30 Housing w/Stainless Steel Float and Linkage.  
**Discharge Check Valve:** Ductile Iron Housing w/Buna-N Flapper.  
**Radial Bearing:** Open Single Row Straight Roller.  
**Radial/Thrust Bearing:** Open Double Row Tapered Roller.  
**Bearing Cavity Lubrication:** Lithium EP2 Grease.  
**Suction Spool:** Gray Iron 30.  
**Gaskets:** Resistant Synthetic Rubber, Vegetable Fiber w/Compressed Synthetic Fibers.  
**O-Rings:** Buna-N.  
**Hardware:** Standard Plated Steel.  
**Seal Cavity Oil Level Sight Gauges.**  
*\*Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.*  
**Standard Equipment:** Belt-Driven Air Compressor. 2:1 Gear Reducer. Hoisting Bail. Combination Skid Base w/Fuel Tank. Strainer. [Single Ball Type Float Switch](#). \*\*  
*\*\*50 Ft. (15 m) Standard Length; Dual Switches and Alternate Cable Lengths Available From the Factory.*  
**Optional Equipment:** Batteries (2 Req'd). Heated Priming Chamber Kit. Suction Vacuum and Discharge Pressure Gauge Kit. [Full Feature Control Panel](#) For Use w/Submersible Transducer Liquid Level Sensor (50 Ft. [15 M] Cable Standard, Alternate Lengths Available).

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

**ENGINE SPECIFICATIONS**

**Model:** Caterpillar C18 ACERT™.  
**EPA Tier:** Interim Tier 4.  
**Type:** Six Cylinder, Turbocharged AfterCooled, Liquid Cooled Diesel Engine.  
**Displacement:** 1104.5 Cu. In. (18,1 liters).  
**Lubrication:** Forced Circulation.  
**Air Cleaner:** Dry Type.  
**Fuel Tank:** 368 U.S. Gals. (1393 liters).  
**Full Load Operating Time:** 12.1 Hrs.  
**Starter:** 12V Electric.  
**Standard Features:** Muffler w/Weather Cap.  
**Engine Control Features:** Padlockable Box with Throttle Control, Tachometer, Coolant Temperature, Oil Pressure, Voltage and Overstart Indicators/Shutdowns. Manual/Stop/Auto Keyswitch. Audible Startup Warning Delay. Electronic Fuel Level Sensor. Fuel Level Display/Alarm/Shutdown.

**CATERPILLAR PUBLISHED PERFORMANCE:**

Maximum Gross Industrial BHP (Intermittent)  
 755 (563 kW) @ 1800 RPM



**GORMAN-RUPP PUMPS**

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Specifications Subject to Change Without Notice

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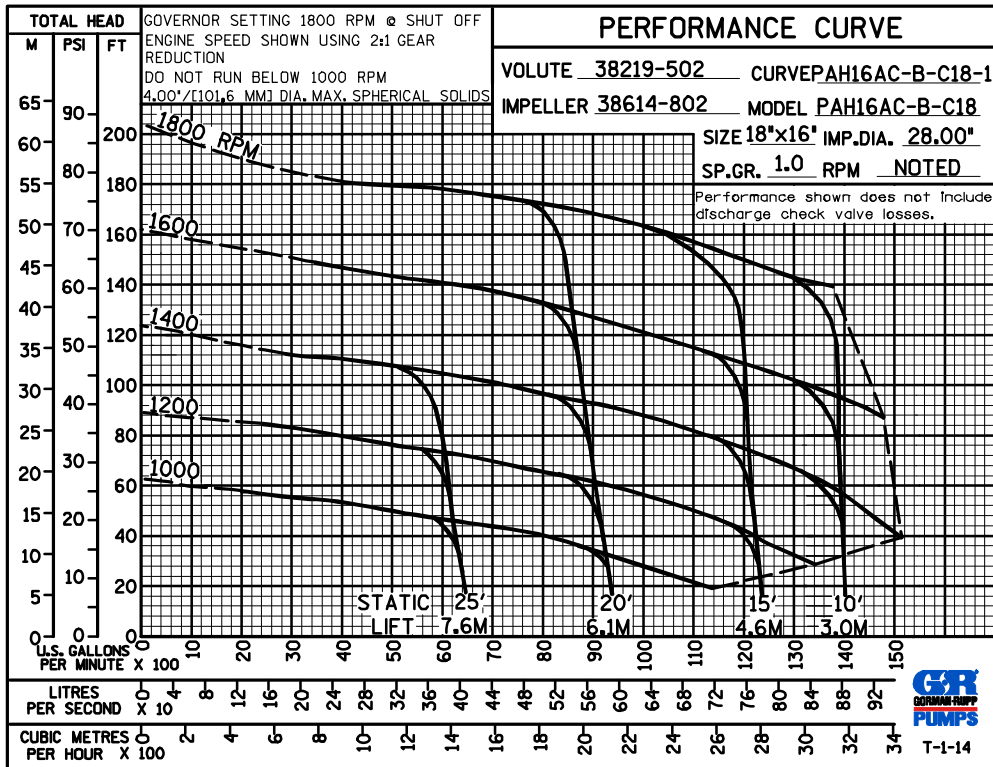
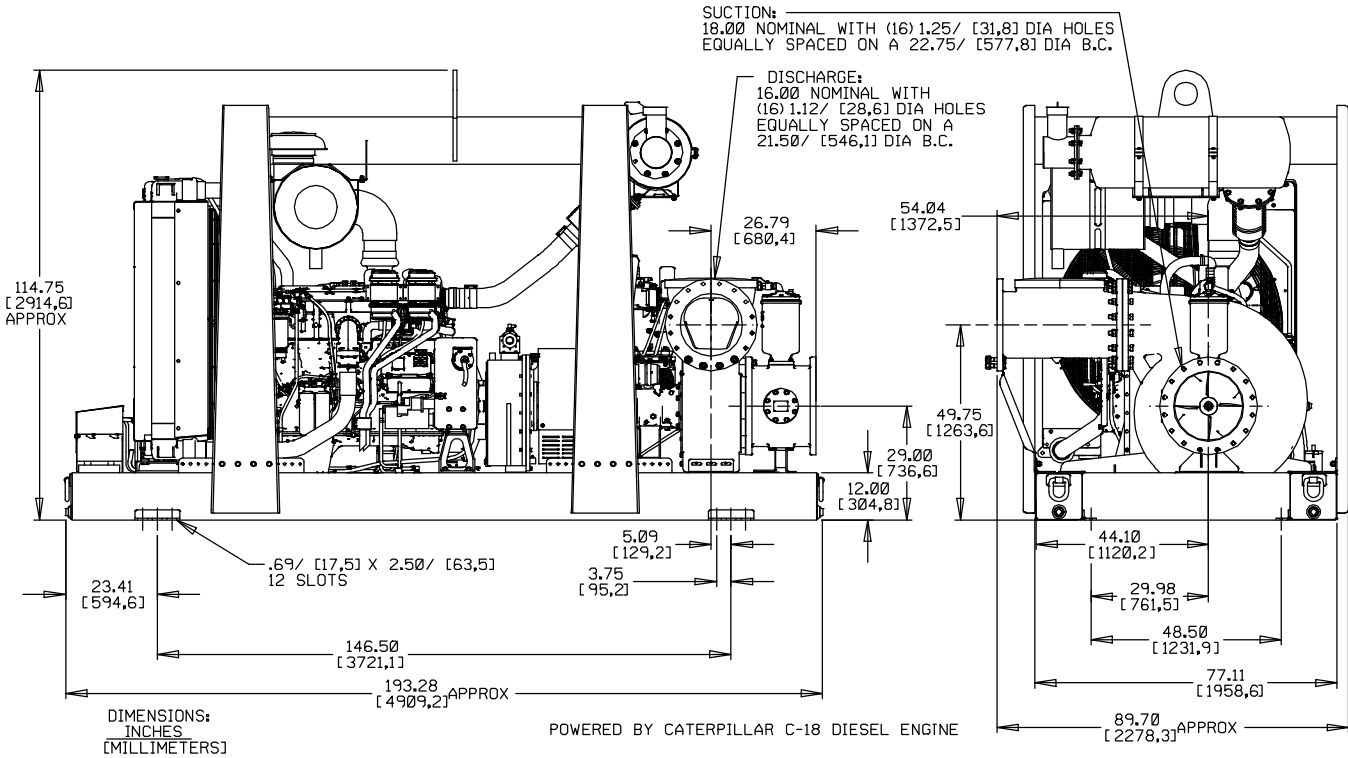
**Specification Data**

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APPROXIMATE  
DIMENSIONS and  
WEIGHTS

**NET WEIGHT:**  
**SHIPPING WEIGHT:**  
**EXPORT CRATE SIZE:**

**16020 LBS. (7266,5 KG.)**  
**16800 LBS. (7620,4 KG.)**  
**1333 CU. FT. (37,7 CU. M.)**



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