

# Priming Assisted Centrifugal Pump w/Autostart



## Model PAH10A60-C18 Size 12" x 10"



Total Head		Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance				
P.S.I.	Feet					
242.8	560	N/A	1500	◆	◆	◆
238.4	550	N/A	2400	◆	◆	◆
216.8	500	N/A	3075	◆	◆	◆
195.1	450	N/A	3285	◆	◆	◆
173.4	400	2410	3390	4250	4250	◆
151.7	350	2420	3400	4675	5590	◆
130.0	300	2425	3400	4690	5670	4000
108.4	250	2430	3400	4700	5695	5950
86.7	200	2450	3400	4725	5700	6100
65.0	150	2460	3400	4750	5700	6200
43.4	100	2475	3400	4780	5720	6300
21.7	50	2495	3400	4795	5740	6400
<b>Suction Lift</b>		‡25'	20'	‡15'	‡10'	‡‡6'

PHOTO NOT AVAILABLE AT TIME OF PUBLISHING

- ‡ Suction Lift Based On 1600 RPM Engine Speed.
- ‡‡ Suction Lift Based On 1400 RPM Engine Speed.
- ◆ Flow Limitation due to Available Engine Horsepower.

### PUMP SPECIFICATIONS

- Size:** 12" x 10" (305 mm x 254 mm) Flanged.
- Casing:** Ductile Iron 65-45-12.  
Maximum Casing Pressure 375 psi (2586 kPa).\*
- Maximum Operating Pressure 250 psi (1723 kPa) at Temperatures up to 100° F (37° C) Based on System Component Limitations.\*
- Enclosed Type, Four Vane Impeller:** Ductile Iron 80-55-06.  
Handles 2" (50,8 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 Ball.
- Thrust Bearing:** Open Double Ball.
- 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:** Air Compressor. Hoisting Bail. Combination Skid Base w/Fuel Tank. Single Ball Type Float Switch. \*\*
- Optional Equipment:** Batteries (2 Req'd). Strainer. Heated Priming Chamber Kit. NPT Threaded Flanges. Suction Vacuum and Discharge Pressure Gauge Kit.  
\*\*50 Ft. (15 m) Standard Length; Dual Switches and Alternate Cable Lengths Available From the Factory.

**WARNING!**

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

### ENGINE SPECIFICATIONS

- Model:** Caterpillar C18 ASCERT™.
- EPA Tier:** Interim Tier 4.
- Type:** Six Cylinder, Charge-Air Cooled, Open, Diesel Engine.
- Displacement:** 1105 Cu. In. (18,1 liters).
- Lubrication:** Forced Circulation.
- Air Cleaner:** Dry Type.
- Fuel Tank:** 218 U.S. Gals. (825 liters).
- Full Load Operating Time:** 6.3 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/Shut-downs. Manual/Stop/Auto Keyswitch. Audible Startup Warning Delay. Fuel Level Display/Alarm/Shutdown.

**CATERPILLAR PUBLISHED PERFORMANCE:**  
Maximum Gross Industrial BHP (Intermittent)  
755 (563 kW) @ 1800 RPM



GORMAN-RUPP PUMPS

www.grpumps.com

Specifications Subject to Change Without Notice

Printed in U.S.A.

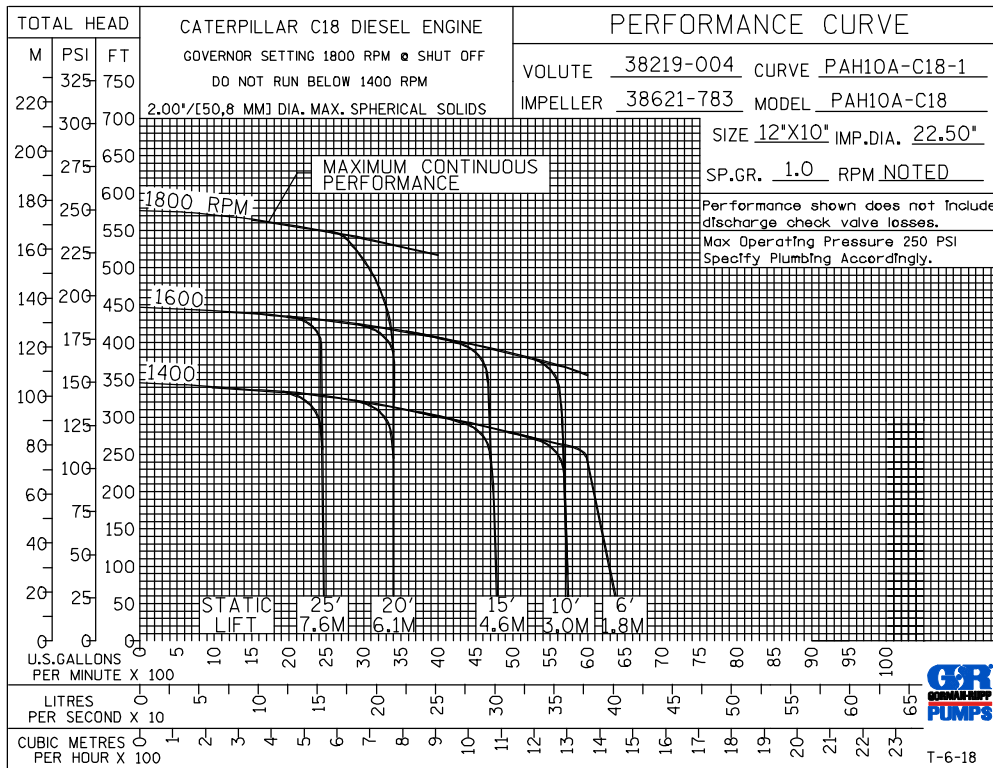
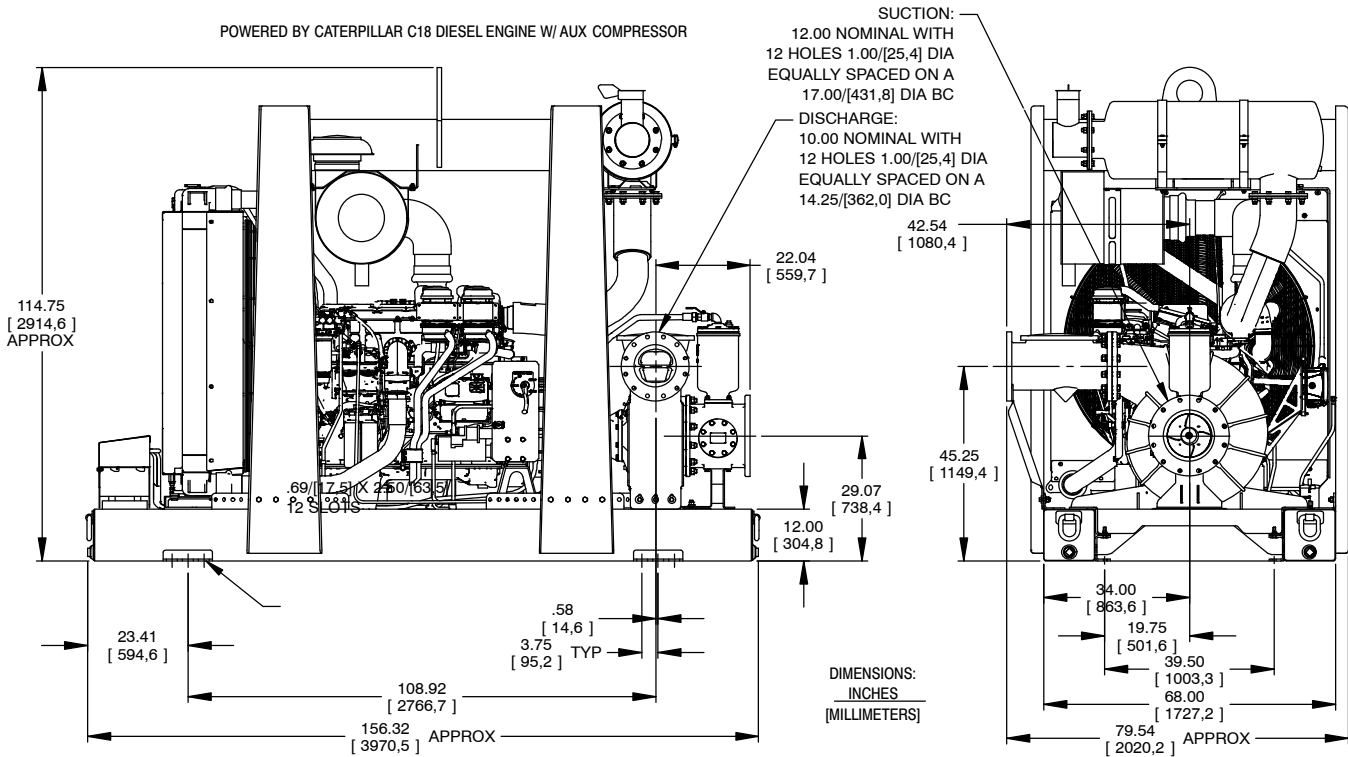
**Specification Data**

SECTION 43, PAGE 512

APPROXIMATE  
DIMENSIONS and  
WEIGHTS

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

**12400 LBS. (5624,5 KG.)**  
**13000 LBS. (5896,7 KG.)**  
**930 CU. FT. (26,3 CU. M.)**



**GORMAN-RUPP PUMPS**

www.grpumps.com

Specifications Subject to Change Without Notice

Printed in U.S.A.