



## Priming Assisted Centrifugal Pump w/Autostart

### Model PAH8A65-C9.3BTA FT4 Size 10" x 8"



Total Head		Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance			
P.S.I.	Feet				
133.5	308	1000	1000	1000	1000
121.4	280	1700	1750	1750	1750
104.0	240	1950	3000	3200	3200
86.7	200	1940	3100	3850	4250
69.4	160	1940	3100	4000	4600
52.0	120	1930	3100	4000	4825
34.7	80	1930	3100	4015	4900
17.3	40	1930	3100	4050	4910
<b>Suction Lift</b>		<b>25'</b>	<b>20'</b>	<b>15'</b>	<b>10'</b>



#### PUMP SPECIFICATIONS

**Size:** 10" x 8" (254 mm x 203 mm) Flanged.

**Casing:** Stainless Steel CD4MCu.

Maximum Operating Pressure 222 psi (1531 kPa).\*

**Enclosed Type, Two Vane Impeller:** Stainless Steel CD4MCu.

Handles 3" (76.2 mm) Diameter Spherical Solids.

**Suction Head:** Stainless Steel CD4MCu.

**Suction Spool:** Stainless Steel CD4MCu.

**Impeller Shaft:** Stainless Steel CD4MCu.

**Replaceable Wear Ring:** Stainless Steel CD4MCu.

**Bearing Pedestal:** Gray Iron 30.

**Seal Plate:** Stainless Steel CD4MCu.

**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 316 Spring. Maximum Temperature of Liquid Pumped 160°F (71°C).\*

**Shaft Sleeve:** Stainless Steel 17-4 PH.

**Priming Chamber:** Stainless Steel 316 Housing w/Stainless Steel Float and Linkage.

**Discharge Check Valve:** Stainless Steel Housing w/Viton Flapper.

**Radial Bearing:** Open Roller.

**Thrust Bearing:** Open Double Ball

**Bearing Cavity Lubrication:** Lithium EP2 Grease.

**Gaskets:** Fluorocarbon (DuPont Viton® or Equivalent), Compressed Synthetic Fibers and Buna-N.

**O-Rings:** Fluorocarbon (DuPont Viton® or Equivalent).

**Hardware:** Stainless Steel 316 and 17-4 PH.

**Seal Cavity Oil Level Sight Gauges.**

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

**Standard Equipment:** Gear-Driven Air Compressor. Hoisting Bail. Combination Skid Base w/Fuel Tank. [Full Feature Control Panel Single Ball Type Float Switch](#).\*\*

**Optional Equipment:** Battery. Strainer. Skid Base Kit. Suction Vacuum and Discharge Pressure Gauge Kit. [Tandem Axle Over-the-Road Trailer](#). Liquid Level Sensor\*\*

\*\*50 Ft. (15 m) Standard Length; Dual Switches and Alternate Cable Lengths Available From the Factory.



#### ENGINE SPECIFICATIONS

**Model:** Caterpillar C-9.3B ACERT

**EPA Tier:** Tier 4.

**Type:** Six Cylinder, Open, Diesel Engine with Air Compressor.

**Displacement:** 537 Cu. In. (8.8 liters).

**Governor:** Electronic Isochronous.

**Lubrication:** Forced Circulation.

**Air Cleaner:** Dry Type.

**Fuel Tank:** 216 U.S. Gals. (818 liters).

**Full Load Operating Time:** 14.0 Hrs.

**Starter:** 12V Electric.

**Standard Features:** Muffler w/Guard and Weather Cap, DOC/DPF Exhaust After-Treatment System.

**Optional:** Electronic Fuel Level Sensor.

**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 (For Use With Optional Fuel Level Sensor).

#### CATERPILLAR PUBLISHED PERFORMANCE:

Maximum Gross BHP (Intermittent)  
415 (310 kW) @ 2200 RPM



## GORMAN-RUPP PUMPS

www.grpumps.com

Specifications Subject to Change Without Notice

Printed in U.S.A.

**Specification Data**

APPROXIMATE DIMENSIONS and WEIGHTS

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

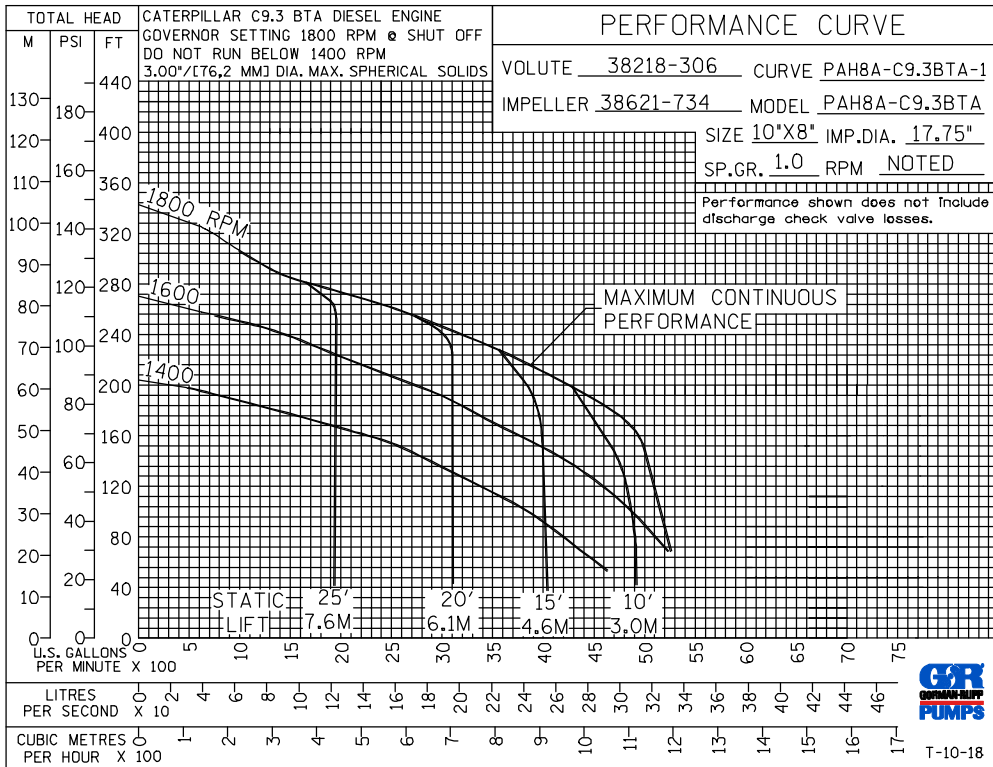
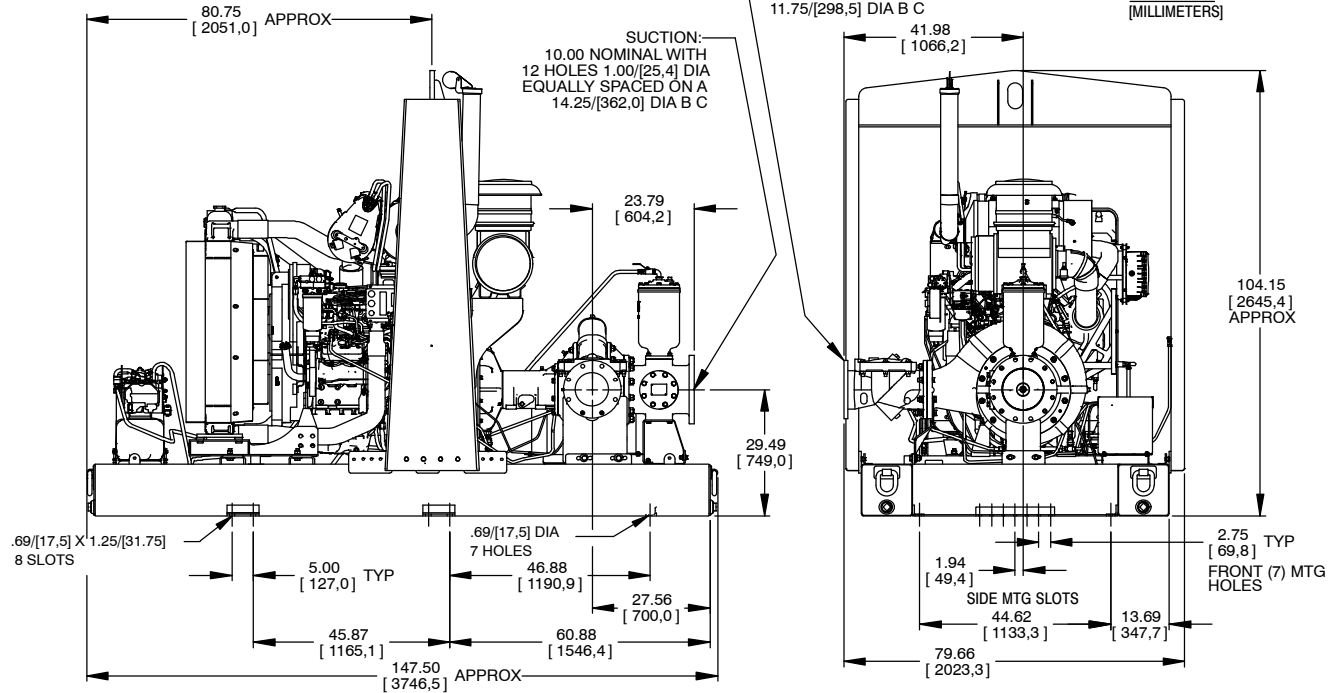
**8300 LBS (3764,8 KG)**  
**8650 LBS (3923,6 KG)**  
**783 CU. FT. (22 CU. M.)**

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POWERED BY: CATERPILLAR C9.3BTA FT4 DIESEL ENGINE WITH A AUXILIARY DRIVE COMPRESSOR

DISCHARGE:  
8.00 NOMINAL WITH  
8 HOLES .88/[22,4] DIA  
EQUALLY SPACED ON A  
11.75/[298,5] DIA B C

DIMENSIONS:  
INCHES  
[MILLIMETERS]



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