

Priming Assisted Centrifugal Pump w/Autostart

**Prime
Air PLUS**

**Model PAH8A60-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
Suction Lift		25'	20'	15'	10'



PUMP SPECIFICATIONS

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

Casing: Ductile Iron 65-45-12.

Maximum Operating Pressure 222 psi (1531 kPa).*

Enclosed Type, Two Vane Impeller: Ductile Iron 65-45-12.

Handles 3" (76,2 mm) Diameter Spherical Solids.

Suction Head: Gray Iron 30.

Suction Spool: Gray Iron 30.

Impeller Shaft: Alloy Steel 4150M.

Replaceable Wear Ring: Ductile Iron 65-45-12.

Bearing Pedestal: Gray Iron 30.

Seal Plate: Gray Iron 30.

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 with Welded Nickel Seat and Buna-N Flapper.

Radial Bearing: Open Roller.

Thrust Bearing: Open Double Ball.

Bearing Cavity Lubrication: Lithium EP2 Grease.

Gaskets: Vegetable Fiber.

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: 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. Threaded Flange Kit.

**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

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Specifications Subject to Change Without Notice

Printed in U.S.A.

Specification Data

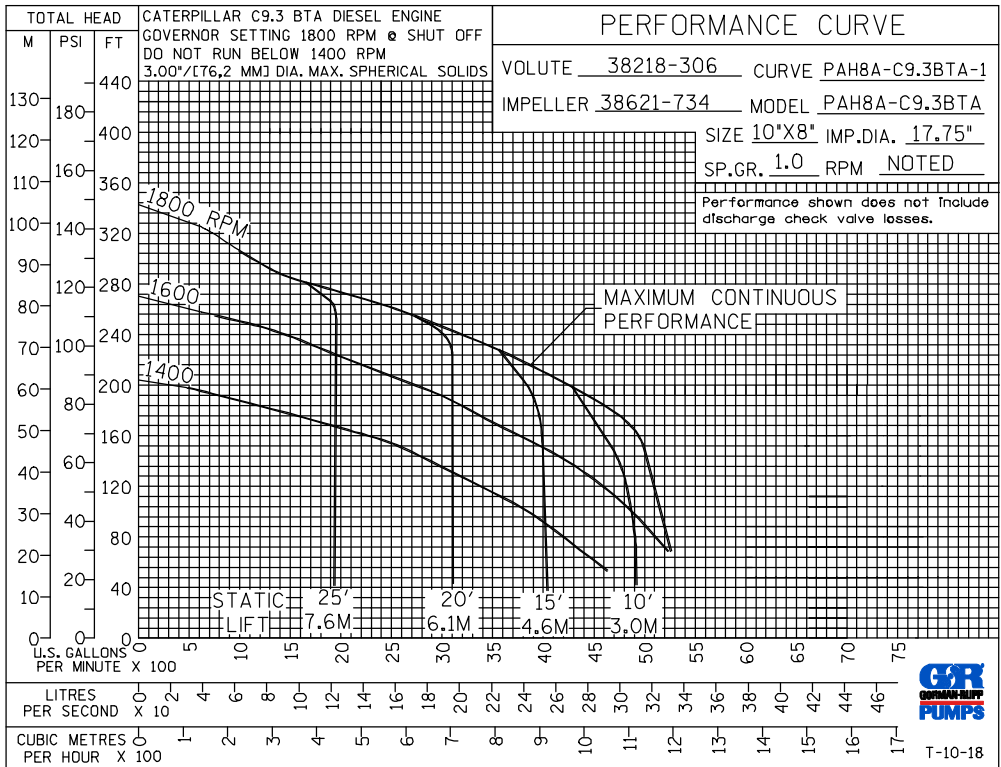
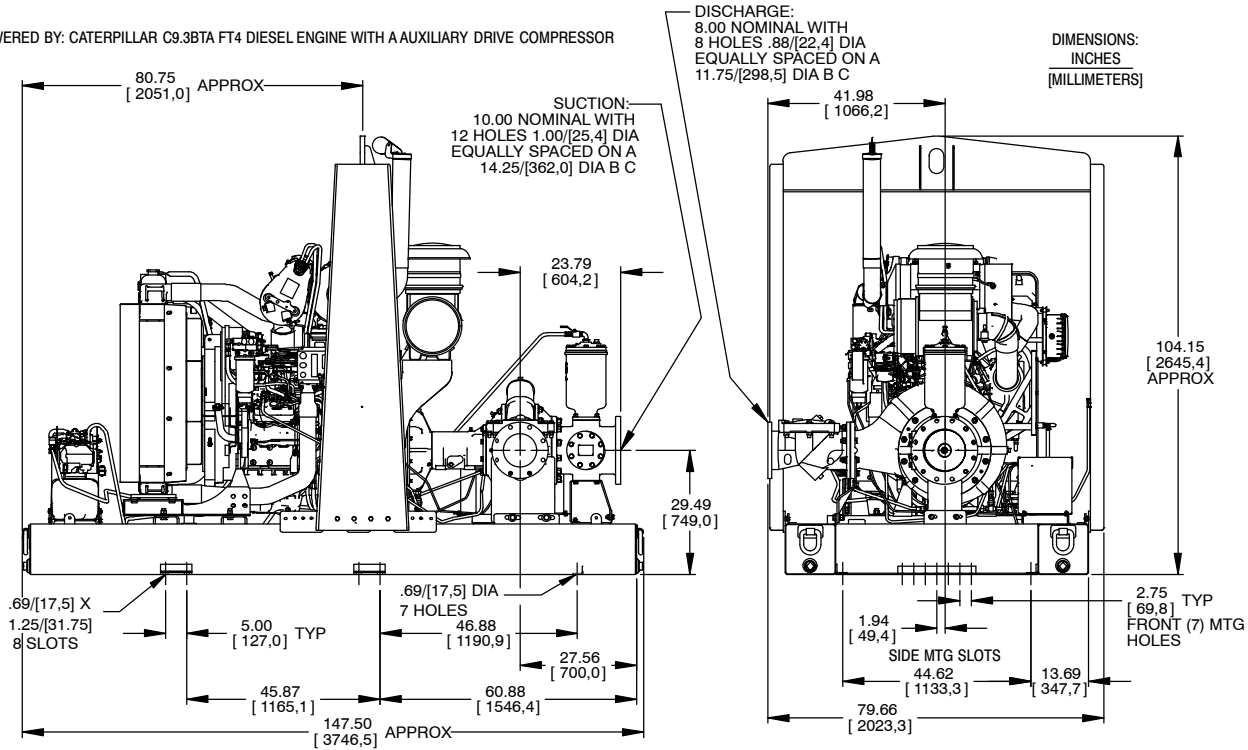
APPROXIMATE
DIMENSIONS and WEIGHTS

NET WEIGHT:
SHIPPING WEIGHT:
EXPORT CRATE SIZE:

8200 LBS (3719,5 KG)
8550LBS (3878,2 KG)
783 CU. FT. (22 CU. M.)

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



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