**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**.

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

**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/Shutdowns. 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
**Specification Data**

**APPROXIMATE DIMENSIONS and WEIGHTS**

- **NET WEIGHT:** 8300 LBS (3764.8 KG)
- **SHIPPING WEIGHT:** 8650 LBS (3923.6 KG)
- **EXPORT CRATE SIZE:** 783 CU. FT. (22 CU. M.)

**SECTION 43, PAGE 416**

- **NET WEIGHT:** 8300 LBS (3764.8 KG)
- **SHIPPING WEIGHT:** 8650 LBS (3923.6 KG)
- **EXPORT CRATE SIZE:** 783 CU. FT. (22 CU. M.)

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

**SUCTION:**
- 10.00 NOMINAL WITH 12 HOLES 1.00 [25.4] DIA EQUALLY SPACED ON A 14.25 [362.0] DIA B C

**DISCHARGE:**
- 8.00 NOMINAL WITH 8 HOLES .88 [22.4] DIA EQUALLY SPACED ON A 11.75 [298.5] DIA B C

**DIMENSIONS:**
- INCHES

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**PERFORMANCE CURVE**

**VOLUTE** 38218-306  
**IMPELLER** 38621-734  
**MODEL** PAH8A-C9.3BTA

**SIZE:** 10'X8'  
**SP.DR. RPM:** NOTED

**Performance shown does not include discharge check valve losses.**

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**GORMAN-RUPP PUMPS**

www.grpumps.com

Specifications Subject to Change Without Notice

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