Priming Assisted Centrifugal Pump w/Autostart
Model PAH8A65-C9
Size 10” x 8”

### 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 17-4 PH.
- **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 18-8 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), Buna-N.
- **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:** Strainer. Gear-Driven Air Compressor. Hoisting Bail. Combination Skid Base w/Fuel Tank. **Single Ball Type Float Switch.**
- **Optional Equipment:** Battery. Threaded Flange Kit. Suction Vacuum and Discharge Pressure Gauge Kit. **Tandem Axle Over-the-Road Trailer Full Feature Control Panel** For Use w/Submersible Transducer Liquid Level Sensor.*
- **Seal Cavity Oil Level Sight Gauges:** *Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.
- **Standard Equipment:** Strainer. Gear-Driven Air Compressor. Hoisting Bail. Combination Skid Base w/Fuel Tank. **Single Ball Type Float Switch.**
- **Optional Equipment:** Battery. Threaded Flange Kit. Suction Vacuum and Discharge Pressure Gauge Kit. **Tandem Axle Over-the-Road Trailer Full Feature Control Panel** For Use w/Submersible Transducer Liquid Level Sensor.*
- **50 Ft. (15 m) Standard Length; Dual Switches and Alternate Cable Lengths Available From the Factory.**

### ENGINE SPECIFICATIONS

- **Model:** Caterpillar C9.
- **EPA Tier:** Tier 3.
- **Type:** Six Cylinder, Four Cycle, Turbocharged, Charge Air Cooled, Liquid Cooled Diesel Engine.
- **Displacement:** 537 Cu. In. (8,8 Liters).
- **Lubrication:** Forced Circulation.
- **Air Cleaner:** Dry Type.
- **Fuel Tank:** 262 U.S. Gallons (992 Liters).
- **Full Load Operating Time:** 18.1 Hrs.
- **Starter:** 12V Electric.

### CATERPILLAR PUBLISHED PERFORMANCE:

- **Maximum Gross BHP (Intermittent)**
  - 350 (261 kW) @ 2200 RPM

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Please see the Gorman-Rupp website for full specifications and equipment details.
**Specification Data**

**Approximate Dimensions and Weights**

**Net Weight:** 8060 LBS. (3656 KG.)

**Shipping Dimensions:** 748.7 CU. FT. (21.2 CU. M.)

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**Net Weight:** 8060 LBS. (3656 KG.)

**Shipping Dimensions:** 748.7 CU. FT. (21.2 CU. M.)

**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 (Millimeters)

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- Inches (Millimeters)

**Caterpillar C9 Diesel Engine**
- Governor setting 1800 RPM
- Shut off 1400 RPM
- Do not run below 1400 RPM
- 6.007 [152.7] MM DIA MAX. SPHERICAL SOLIDS

**Performance Curve**

- **Volute:** 38218-306 Curve PAH8A-C9-1
- **Impeller:** 38621-734 Model PAH8A-C9
- **Size:** 10"x8" Imp. Dia. 17.75"
- **SP Gr. 10 RPM Noted**

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

**Technical Specifications:**

- GORMAN-RUPP PUMPS
- wwwgrpumps.com
- Specifications Subject to Change Without Notice
- Printed in U.S.A.

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