PUMP SPECIFICATIONS
Size: 10” x 8” (254 mm x 203,2 mm) Flanged.
   Maximum Casing Pressure 291 psi (2006 kPa).*
   Maximum Operating Pressure 250 psi (1723 kPa) at Temperatures
   up to 100 °F (37 °C) Based on System Component Limitations.*
Enclosed Type, Five Vane Impeller: Ductile Iron 65-45-12.
   Handles 3” (76,2 mm) Diameter Spherical Solids.
Suction Head: Ductile Iron 65-45-12
Impeller Shaft: Alloy Steel 4150M.
Replaceable Wear Ring: Ductile Iron 65-45-12.
Bearing Pedestal: Gray Iron 30.
Seal Plate: Gray Iron 30.
Shaft Sleeve: Stainless Steel 303/304.
Priming Chamber: Gray Iron 30 Housing */Stainless Steel
   Float and Linkage.
Discharge Check Valve: Ductile Iron Housing */Buna-N Flapper.
Radial Bearing: Open Single Ball.
Thrust Bearing: Open Double Ball.
Gaskets: Buna-N and Red Rubber.
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: Belt Driven Air Compressor. Strainer.
Optional Equipment: Base. NPT Threaded Flange Kit. Coupling. TEFC
   Motor. Heated Priming Chamber Kit. Suction Vacuum and Discharge
   Pressure Gauge Kit.

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

Seal Detail
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 Spring.
Maximum Temperature of Liquid Pumped 160°F (71 °C).*
**Specification Data**

**APPROXIMATE DIMENSIONS and WEIGHTS**

**NET WEIGHT:** 1550 LBS. (703.1 KG.)

**SHIPPING WEIGHT:** 1650 LBS. (748.4 KG.)

**EXPORT Crate SIZE:** 95 CU. FT. (2.7 CU. M.)

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**Discharge:**

8.00 NOMINAL WITH 8 HOLES .88" [22.4] DIA. EQUALLY SPACED ON A 11.75" [298.5] DIA B.C.

**Suction:**

10.00 NOMINAL WITH 12 HOLES 1.00" [25.4] DIA. EQUALLY SPACED ON A 14.25" [362.0] DIA B.C.

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**Mounting Hole Location**

- 43.64 [1108.4] APPROX
- 3.87 [98.2] APPROX
- 48.43 [1230.0] APPROX
- 17.00 [431.8]
- 8.50 [215.9]
- 6.62 [168.3]
- 6.00 [152.4]
- 12.00 [304.8]
- 15.77 [400.8]
- 12.00 [304.8]
- 15.06 [381.0]
- 20.81 [528.6]
- 14.00 [355.6]
- 3.87 [98.2]
- 4.00 [101.6]

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**Dimensions:**

- INCHES [MILLIMETERS]
- 4.81 [122.2] DIA. 4 HOLES
- .62 [15.9] X 3.70 [93.9] USABLE KEYWAY
- .81 [20.6] X 2.00 [50.8] SLOT 4 PLACES

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**Performance Curve**

**Volute 38218-324 Curve PAH8CC-B-1**

**Impeller 38621-787 Model PAH8CC-B**

**Size 10"X8" Imp.Dia. 14.25"**

**Sp.Gr. 1.0 RPM NOTED**

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**GORMAN-RUPP PUMPS**

www.grpumps.com

Specifications Subject to Change Without Notice

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PERFORMANCE BASED ON WATER TRIMMED IMPELLER