Basic Pump

Pump Specifications

Size: 6" x 4" (152 mm x 102 mm) Flanged.


Maximum Operating Pressure 200 psi (1379 kPa).*

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

Handles 3" (76.2 mm) Diameter Spherical Solids.

Suction Head: Gray Iron 30.


Impeller Shaft: Alloy Steel 4150M.

Externally Adjustable, Replaceable Wear Ring: Ductile Iron 65-45-12.

Pedestal: Gray Iron 30.

Seal Plate: Gray Iron 30.

Shaft Sleeve: Stainless Steel 303/304.

Priming Chamber: Gray Iron 30 Housing w/Stainless Steel Float and Linkage.

Discharge Check Valve: Ductile Iron Housing w/Buna-N Flapper.

Radial Bearing: Open Roller.

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. 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 Stainless Steel 18-8 Spring. Maximum Temperature of Liquid Pumped 160°F (71°C).*
### APPROXIMATE DIMENSIONS and WEIGHTS

- **NET WEIGHT:** 1010 LBS. (377 KG.)
- **SHIPPING WEIGHT:** 1230 LBS. (459 KG.)
- **EXPORT CRATE SIZE:** 93 CU. FT. (2.6 CU. M.)

### PERFORMANCE CURVE

**VOLUTE:** 38218-304  
**CURVE:** PAH4AC-B-1  
**IMPELLER:** 38621-733  
**MODEL:** PAH4AC-B

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**SP. GR.:** 1.0 RPM  
**NOTED:**

- **VOLUTE:** 38218-304  
- **CURVE:** PAH4AC-B-1  
- **IMPELLER:** 38621-733  
- **MODEL:** PAH4AC-B

**NOTE:**
- 2.5hp for belt driven  
- Performance shown does not include check valve losses.
PERFORMANCE CURVE

VOLUTE 38218-304 CURVE PAH4AC-B-2
IMPELLER 38621-733 MODEL PAH4AC-B

SIZE 6"X4" IMP.DIA. NOTED
SP.GR. 1.0 RPM 1800

Performance shown does not include discharge check valve losses.

PERFORMANCE BASED ON WATER TRIMMED IMPELLER