**PUMP SPECIFICATIONS**

**Size:** 6” x 4” (152 mm x 102 mm) Flanged.  
**Casing:** Stainless Steel CD4MCu.  
Maximum Operating Pressure 200 psi (1379 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.  
**Externally Adjustable, Replaceable Wear Ring:** Stainless Steel CD4MCu.  
**Pedestal:** Gray Iron 30.  
**Seal Plate:** Stainless Steel CD4MCu.  
**Shaft Sleeve:** Stainless Steel 17-4 PH.  
**Impeller:** Stainless Steel 316 Housing w/Stainless Steel Float and Linkage.  
**Discharge Check Valve:** Stainless Steel 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:** 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:** 1040 LBS. (472 KG.)

**SHIPPING WEIGHT:** 1260 LBS. (572 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

**SIZE** 6"x4"  **IMP.DIA.** 14.25"  **SP.GR.** 1.0  **RPM** NOTED

Performance shown does not include discharge check valve losses.

### MULTI-SPEED CURVE PERFORMANCE BASED ON WATER

![Diagram showing multi-speed curve performance based on water]

### Table: Performance Curve

<table>
<thead>
<tr>
<th>TOTAL HEAD M</th>
<th>TOTAL HEAD FT</th>
<th>HEAD PER 100 M</th>
<th>HEAD PER 100 FT</th>
<th>NPSH</th>
<th>NPSH PER 1000 RPM</th>
<th>TOTAL HEAD M</th>
<th>TOTAL HEAD FT</th>
<th>HEAD PER 100 M</th>
<th>HEAD PER 100 FT</th>
<th>NPSH</th>
<th>NPSH PER 1000 RPM</th>
<th>TOTAL HEAD M</th>
<th>TOTAL HEAD FT</th>
<th>HEAD PER 100 M</th>
<th>HEAD PER 100 FT</th>
<th>NPSH</th>
<th>NPSH PER 1000 RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>130</td>
<td>440</td>
<td>130</td>
<td>440</td>
<td>60</td>
<td>60</td>
<td>130</td>
<td>440</td>
<td>130</td>
<td>440</td>
<td>60</td>
<td>60</td>
<td>130</td>
<td>440</td>
<td>130</td>
<td>440</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>120</td>
<td>400</td>
<td>120</td>
<td>400</td>
<td>70</td>
<td>70</td>
<td>120</td>
<td>400</td>
<td>120</td>
<td>400</td>
<td>70</td>
<td>70</td>
<td>120</td>
<td>400</td>
<td>120</td>
<td>400</td>
<td>70</td>
<td>70</td>
</tr>
<tr>
<td>110</td>
<td>360</td>
<td>110</td>
<td>360</td>
<td>80</td>
<td>80</td>
<td>110</td>
<td>360</td>
<td>110</td>
<td>360</td>
<td>80</td>
<td>80</td>
<td>110</td>
<td>360</td>
<td>110</td>
<td>360</td>
<td>80</td>
<td>80</td>
</tr>
<tr>
<td>100</td>
<td>320</td>
<td>100</td>
<td>320</td>
<td>90</td>
<td>90</td>
<td>100</td>
<td>320</td>
<td>100</td>
<td>320</td>
<td>90</td>
<td>90</td>
<td>100</td>
<td>320</td>
<td>100</td>
<td>320</td>
<td>90</td>
<td>90</td>
</tr>
<tr>
<td>90</td>
<td>280</td>
<td>90</td>
<td>280</td>
<td>100</td>
<td>100</td>
<td>90</td>
<td>280</td>
<td>90</td>
<td>280</td>
<td>100</td>
<td>100</td>
<td>90</td>
<td>280</td>
<td>90</td>
<td>280</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>80</td>
<td>240</td>
<td>80</td>
<td>240</td>
<td>110</td>
<td>110</td>
<td>80</td>
<td>240</td>
<td>80</td>
<td>240</td>
<td>110</td>
<td>110</td>
<td>80</td>
<td>240</td>
<td>80</td>
<td>240</td>
<td>110</td>
<td>110</td>
</tr>
<tr>
<td>70</td>
<td>200</td>
<td>70</td>
<td>200</td>
<td>120</td>
<td>120</td>
<td>70</td>
<td>200</td>
<td>70</td>
<td>200</td>
<td>120</td>
<td>120</td>
<td>70</td>
<td>200</td>
<td>70</td>
<td>200</td>
<td>120</td>
<td>120</td>
</tr>
<tr>
<td>60</td>
<td>160</td>
<td>60</td>
<td>160</td>
<td>130</td>
<td>130</td>
<td>60</td>
<td>160</td>
<td>60</td>
<td>160</td>
<td>130</td>
<td>130</td>
<td>60</td>
<td>160</td>
<td>60</td>
<td>160</td>
<td>130</td>
<td>130</td>
</tr>
<tr>
<td>50</td>
<td>120</td>
<td>50</td>
<td>120</td>
<td>140</td>
<td>140</td>
<td>50</td>
<td>120</td>
<td>50</td>
<td>120</td>
<td>140</td>
<td>140</td>
<td>50</td>
<td>120</td>
<td>50</td>
<td>120</td>
<td>140</td>
<td>140</td>
</tr>
<tr>
<td>40</td>
<td>80</td>
<td>40</td>
<td>80</td>
<td>150</td>
<td>150</td>
<td>40</td>
<td>80</td>
<td>40</td>
<td>80</td>
<td>150</td>
<td>150</td>
<td>40</td>
<td>80</td>
<td>40</td>
<td>80</td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td>30</td>
<td>40</td>
<td>30</td>
<td>40</td>
<td>160</td>
<td>160</td>
<td>30</td>
<td>40</td>
<td>30</td>
<td>40</td>
<td>160</td>
<td>160</td>
<td>30</td>
<td>40</td>
<td>30</td>
<td>40</td>
<td>160</td>
<td>160</td>
</tr>
</tbody>
</table>

GORMAN-RUPP PUMPS

www.grpumps.com

Specifications Subject to Change Without Notice

Printed in U.S.A.

© Copyright Gorman-Rupp Pumps 2016
TRIM CURVE PERFORMANCE BASED ON WATER