_priming assisted centrifugal pump w/autostart

model PAH4B60-QSB4.5P

size 6” x 4”

<table>
<thead>
<tr>
<th>Total Head</th>
<th>Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>P.S.I.</td>
<td>Feet</td>
</tr>
<tr>
<td>97.5</td>
<td>225</td>
</tr>
<tr>
<td>86.7</td>
<td>200</td>
</tr>
<tr>
<td>75.9</td>
<td>175</td>
</tr>
<tr>
<td>65.0</td>
<td>150</td>
</tr>
<tr>
<td>54.2</td>
<td>125</td>
</tr>
<tr>
<td>43.4</td>
<td>100</td>
</tr>
<tr>
<td>32.5</td>
<td>75</td>
</tr>
<tr>
<td>21.7</td>
<td>50</td>
</tr>
<tr>
<td>10.8</td>
<td>25</td>
</tr>
</tbody>
</table>

Suction Lift: 25’ 20’ 15’ 10’

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**Suction Lift Based On 1800 RPM Engine Speed.**

### PUMP SPECIFICATIONS

- **Size:** 6” x 4” (152 mm x 102 mm) Flanged.
- **Casing:** Ductile Iron 65-45-12.
- **Maximum Operating Pressure:** 159 psi (1096 kPa).*
- **Enclosed Type, Two Vane Impeller:** Ductile Iron 65-45-12.
- **Impeller Shaft:** Alloy Steel 4150M.
- **Replaceable Wear Ring:** Ductile Iron 65-45-12.
- **Pedestal:** Gray Iron 30.
- **Seal Plate:** Gray Iron 30.
- **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 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.
- **Bearing Cavity Lubrication:** Lithium EP2 Grease.
- **Gaskets:** Vegetable Fiber.
- **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.

### ENGINE SPECIFICATIONS

- **Model:** Cummins QSB4.5P.
- **Type:** Four Cylinder, Four Cycle, Turbocharged, Charge Air Cooled, Liquid Cooled Diesel Engine.
- **Displacement:** 272 Cu. In. (4.5 liters).
- **Governor:** Isochronous.
- **Lubrication:** Forced Circulation.
- **Air Cleaner:** Dry Type.
- **Oil Reservoir:** 88 U.S. Gals. (330 liters).
- **Full Load Operating Time:** 14.6 Hrs.
- **Starter:** 12V Electric.


**CUMMINS PUBLISHED PERFORMANCE:**

- **Maximum Gross Continuous BHP:** 110 (82 kW) @ 2200 RPM

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GORMAN-RUPP PUMPS

www.grpumps.com

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**Specification Data**

**APPROXIMATE DIMENSIONS and WEIGHTS**

**SKID BASE**

- **NET WEIGHT:** 3950 LBS. (1791 KG.)
- **SHIPPING WEIGHT:** 4250 LBS. (1928 KG.)
- **EXPORT CRATE SIZE:** 341 CU. FT. (9.6 CU. M.)

**2-WHEEL**

- **NET WEIGHT:** 4445 LBS. (2016 KG.)
- **SHIPPING WEIGHT:** 4445 LBS. (2016 KG.)
- **EXPORT CRATE SIZE:** 341 CU. FT. (9.6 CU. M.)

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**Approximate Dimensions and Weights**

**Skid Base**

- **Dimensions:** Inches (Meters)
  - **85.00 (2165.00)**
  - **19.78 (502.4)**
  - **28.26 (715.9)**
  - **24.14 (613.3)**
  - **25.07 (636.3)**
  - **29.50 (749.3)**
  - **5.50 (139.7)**
  - **52.87 (1343.8) APPROX**

**Net Weight:**
- 3950 LBS. (1791 KG.)
- 3950 LBS. (1791 KG.)
- 4445 LBS. (2016 KG.)
- 4445 LBS. (2016 KG.)

**Shipping Weight:**
- 4250 LBS. (1928 KG.)
- 4250 LBS. (1928 KG.)
- 4445 LBS. (2016 KG.)
- 4445 LBS. (2016 KG.)

**Export Crate Size:** 341 CU. FT. (9.6 CU. M.)

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**Performance Curve**

**Volute:** 38218-304  
**Curve:** PAH4B-OS84.5P-1  
**Impeller:** 38621-737  
**Model:** PAH4B-OS84.5P  
**Size:** 6"x4"  
**Imp Dia:** 13.00"  
**Sp Gr:** 1.0  
**RPM:** NOTED

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

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