Global Pump® High Performance High Head pumps are specifically designed to effectively handle a wide range of liquids in applications such as liquid transfer, wash down, fire protection, fracking and jetting where high heads and pressure are required.

Global Pump High Performance High Head pumps provide a dependable, highly efficient solution in a completely automatic priming pump. The model 12GHH is capable of achieving maximum flows of 7,950 gpm (1,806 m³/h) and maximum total head of 648’ (198 m) with solids handling up to 2.5” (64 mm) in diameter.

The standard 12GHH is powered by a water-cooled, 12-cylinder diesel engine. Alternative drives are available, including other diesel engines or electric motor options.

### FEATURES

- Global Pump’s rugged, heavy duty pumps are engineered specifically for portable application
- Non-return valve uses only a single moving part to allow full flow with minimal restriction
- Standard engine control panel provides preset emergency shutdown protection and allows the addition of automatic level control
- Fully guarded coupling
- Pump casings are hydrostatically tested to 50 psig (345 kPa) above the peak casing design pressure
- Skid-mounted formats with tie downs, lifting bail, and fork pockets

### OPTIONS

- Available with a variety of priming systems, including Global’s Auto Prime® automatic priming system (compressor-fed venturi priming) or a diaphragm priming system
- Mechanical seal with glycol (biodegradable optional) quench allows the pump to start and run dry
- Global Pump’s Environmental Box separates and silences air exhaust and returns liquid to the pump suction.
- Fuel cubes for extended run times and/or remote location as required
- Sound attenuated enclosure options
- Hose racks, accessory containers and other custom features available as required
- Wide range of suction and discharge fittings including Global Pump’s own “QD” Quick Disconnect fittings and accessories
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connections</td>
<td>12” x 10” (300 mm x 250 mm) ANSI Flanges</td>
</tr>
<tr>
<td>Max Pump Speed</td>
<td>1,900 rpm</td>
</tr>
<tr>
<td>Max Flow</td>
<td>7,950 gpm (1,806 m³/h)</td>
</tr>
<tr>
<td>Max Head</td>
<td>648’ (198 m)</td>
</tr>
<tr>
<td>Max Static Priming Lift</td>
<td>28’ (8.5 m)</td>
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<tr>
<td>Temperature Limit</td>
<td>160° F (70° C)</td>
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<tr>
<td>Solids Handling Capability</td>
<td>2.5” (63.5 mm)</td>
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<tr>
<td>Max Casing Pressure</td>
<td>300 psig (2,068 kPa)</td>
</tr>
<tr>
<td>Fuel Cell</td>
<td>5 gal. Test Tank</td>
</tr>
<tr>
<td>Dry Weight</td>
<td>18,000 lbs</td>
</tr>
</tbody>
</table>

### PUMP MATERIAL

- **Casing**: Cast Steel (CD4MCu is an option)
- **Impeller**: CD4MCu
- **Bearing Housing**: Cast Iron
- **Bearing Lubrication**: Grease
- **Shaft/Shaft Sleeves**: Stainless Steel/FNC Treated Steel
- **Seal**: Silicon Carbide on Silicon Carbide
- **Chassis/Fuel Cell**: Steel
- **Non-Return Valve**: Steel

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**GLOBAL PUMP**

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Specifications reflect model pictured, and are subject to revision without notice. Global Pump is not liable for any consequential, incidental or indirect damages relating to these specifications. Pictured pump is shown with a 600 horsepower engine.