Global Pump® Standard 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 Standard High Head pumps provide a dependable, highly efficient solution. The model 8GSH is capable of achieving maximum flows of 3,850 gpm (874 m³/h) and maximum total head of 411’ (125 m), with solids handling up to 1.375” (34.9 mm) in diameter.

The standard 8GSH is powered by a water-cooled, 6-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
- Highway trailer with integral fuel cell/chassis, lights, fenders, tie downs, lifting bail, front and rear jacks. Trailer brakes can be offered as required

### 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
- Skid-mounted formats with tie downs, lifting bail, and fork pockets
- 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>Connection</th>
<th>8&quot; x 6&quot; (200 mm x 150 mm) ANSI Flanges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Pump Speed</td>
<td>2,200 rpm</td>
</tr>
<tr>
<td>Max Flow</td>
<td>3,850 gpm (874 m³/h)</td>
</tr>
<tr>
<td>Max Head</td>
<td>411' (125 m)</td>
</tr>
<tr>
<td>Max Static Priming Lift</td>
<td>28' (8.5 m)</td>
</tr>
<tr>
<td>Temperature Limit</td>
<td>160° F (70° C)</td>
</tr>
<tr>
<td>Solids Handling Capability</td>
<td>1.375” (34.9 mm)</td>
</tr>
<tr>
<td>Max Casing Pressure</td>
<td>200 psig (1379 kPa)</td>
</tr>
<tr>
<td>Fuel Cell</td>
<td>151 gallons (572 liters)</td>
</tr>
<tr>
<td>Dry Weight</td>
<td>7,000 lbs</td>
</tr>
</tbody>
</table>

**PUMP MATERIAL**

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

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