Global Pump® High Performance Trash pumps are specifically designed to effectively handle a wide-range of liquids from water to sewage and sludge that can contain solids and other material.

Global Pump High Performance Trash pumps provide a dependable, highly efficient solution. The model 18GHT is capable of achieving maximum flows of 15,000 gpm (3,400 m³/h) and maximum total head of 177’ (54 m) while handling solids up to 4.5” (114.3 mm) in diameter.

The standard 18GHT 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
- Available with a diaphragm priming system
- 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**

- Mechanical seal with glycol (biodegradable optional) quench allows the pump to start and run dry
- Available with a diaphragm priming system
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**18GHT GLOBAL HIGH PERFORMANCE TRASH**

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Connection</th>
<th>18” x 14” (450 mm x 350 mm) ANSI Flanges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Pump Speed</td>
<td>1,200 rpm</td>
</tr>
<tr>
<td>Max Flow</td>
<td>15,000 gpm (3,400 m³/h)</td>
</tr>
<tr>
<td>Max Head</td>
<td>177’ (54 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>4.5” (114.3 mm)</td>
</tr>
<tr>
<td>Max Casing Pressure</td>
<td>125 psig (862 kPa)</td>
</tr>
<tr>
<td>Fuel Cell</td>
<td>5 gallon (18.9 liter) Test Tank</td>
</tr>
<tr>
<td>Dry Weight</td>
<td>15,500 lbs</td>
</tr>
</tbody>
</table>

### PUMP MATERIAL

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

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**GLOBAL PUMP**

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