Global Pump® Standard 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. The model 8GST is capable of achieving maximum flows of 3,650 gpm (829 m³/h) and maximum total head of 183’ (55.8 m) while handling solids up to 4” (101.6 mm) in diameter.

The standard 8GST is powered by a water-cooled, 4-cylinder diesel engine. Alternative drives are available including natural gas as well as electric motors.

### 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>Connections</th>
<th>8&quot; (200 mm) ANSI Flanges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Pump Speed</td>
<td>2,000 rpm</td>
</tr>
<tr>
<td>Max Flow</td>
<td>3,650 gpm (829 m³/h)</td>
</tr>
<tr>
<td>Max Head</td>
<td>183' (55.8 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&quot; (101.6 mm)</td>
</tr>
<tr>
<td>Max Casing Pressure</td>
<td>125 psig (862 kPa)</td>
</tr>
<tr>
<td>Fuel Cell</td>
<td>109 gallons (413 liters)</td>
</tr>
<tr>
<td>Dry Weight</td>
<td>5,100 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