12GSH
GLOBAL STANDARD HIGH HEAD

Global Pump’s 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 12GSH is capable of achieving maximum flows of 6,750 gpm (1,533 m³/h) and maximum total head of 340’ (104 m), with solids handling up to 1.5” (38.1 mm) in diameter.

The standard 12GSH 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
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
12GSH GLOBAL STANDARD HIGH HEAD

**SPECIFICATIONS**

- **Connections**: 12” x 8” (300 mm x 200 mm) ANSI Flanges
- **Max Pump Speed**: 2,000 rpm
- **Max Flow**: 6,750 gpm (1,533 m³/h)
- **Max Head**: 340’ (104 m)
- **Max Static Priming Lift**: 28’ (8.5 m)
- **Temperature Limit**: 160° F (70° C)
- **Solids Handling Capability**: 1.5” (38.1 mm)
- **Max Casing Pressure**: 200 psig (1379 kPa)
- **Fuel Cell**: 253 gallons (958 liters)
- **Dry Weight**: 13,500 lbs

**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

**Connections**

- 12” x 8” (300 mm x 200 mm) ANSI Flanges

**Max Pump Speed**

- 2,000 rpm

**Max Flow**

- 6,750 gpm (1,533 m³/h)

**Max Head**

- 340’ (104 m)

**Max Static Priming Lift**

- 28’ (8.5 m)

**Temperature Limit**

- 160° F (70° C)

**Solids Handling Capability**

- 1.5” (38.1 mm)

**Max Casing Pressure**

- 200 psig (1379 kPa)

**Fuel Cell**

- 253 gallons (958 liters)

**Dry Weight**

- 13,500 lbs

**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

**GLOBAL PUMP**

10162 East Coldwater Road, Davison, MI 48423
Tel: 810.653.4828 Fax: 810.658.0632
1.866.360.PUMP www.globalpump.com

© 2019 Global Pump
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.