



# HS SERIES®

*Portable Hydraulic Submersible  
Pumps for Hazardous Conditions*

**GR**  
GORMAN-RUPP  
PUMPS

*The Pump People®*

# HS SERIES®

## *Hydraulic Submersible Pumps Ensure Safety And Offer Versatility*

Gorman-Rupp hydraulic submersible pumps are designed for trash-handling, dewatering applications and for pumping sludges and slurries in mining and paper plant applications. They are also excellent for pumping sewage from digester and holding tanks.

### **Well Suited For Most Hazardous Locations**

Without using electricity, Gorman-Rupp hydraulic submersible pumps can operate fully submerged in many different types of hazardous locations.

### **Variable Speed Operation**

Speeds can be varied to suit job requirements, providing maximum efficiency and minimum fuel consumption. HS Series® pumps are consequently much more economical to operate than generator-operated electric submersibles that run at only one speed.

### **Run Dry Without Damage**

Fully recessed vortex impellers and oil-lubricated seals allow these pumps to run dry without damage; maintenance can be performed in the field.



### **Configurations**

Ductile iron and aluminum configurations are available in 3" (75 mm), 4" (100 mm) and 6" (150 mm) discharge sizes, with capacities to 1,600 gpm (100 lps) and heads to 175' (53 m). HS Series® pumps will pass up to 5" diameter solids, depending on the model.

The 6" (150 mm) HSV6B31-HYD is designed to fit through 22" (559 mm) manholes, making it ideal for sewer bypass and trenching applications.



Skid base hydraulic power units can be mounted to a DOT-approved trailer for enhanced portability.

# HS SERIES®

## Portable Hydraulic Submersible Pumps



**HSV3A-HYD/HSV3B-HYD**

Size: 3" (75 mm)  
 Max Capacity: 400 GPM (25.2 lps)  
 Max Head: 70' (21.3 m)  
 Max Solids: 2.5" (63.5 mm)  
 Max Temperature: 140°F (60°C)  
 Materials of Construction: Stainless Steel Impeller, Aluminum or Ductile Iron Casing



**HSV4A-HYD**

Size: 4" (100 mm)  
 Max Capacity: 1100 GPM (69.4 lps)  
 Max Head: 175' (53.3 m)  
 Max Solids: 3.5" (88.9 mm)  
 Max Temperature: 170°F (77°C)  
 Materials of Construction: Stainless Steel Impeller, Ductile Iron Casing



**HSV6A-HYD/HSV6B-HYD**

Size: 6" (150 mm)  
 Max Capacity: 1600 GPM (100.9 lps)  
 Max Head: 110' (33.5 m)  
 Max Solids: 5" (127.0 mm)  
 Max Temperature: 170°F (77°C)  
 Materials of Construction: Stainless Steel Impeller, Ductile Iron Casing

Because HS Series® hydraulic submersible pumps operate without using electricity, they are well suited for applications where electricity is hazardous.

## Engine-Driven Portable Hydraulic Power Units



Honda Pictured

**HSP-L100W FT4/HSP-GX390**

Engine: Yanmar L100W Diesel or Honda GX390 Gasoline  
 Max Hydraulic Output: 6 GPM (0.4 lps)  
 Max Pressure: 2100 PSI (144.8 bar)



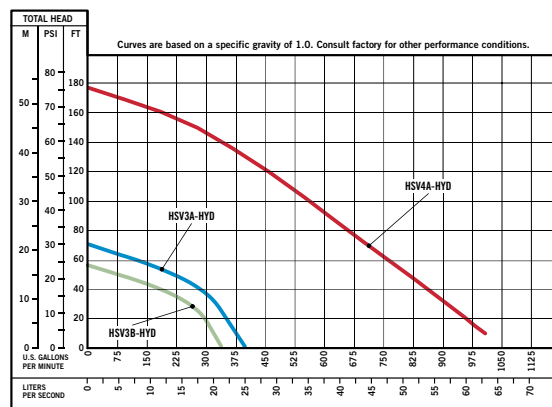
Kohler Pictured

**HSP-KD12504TCR FT4**

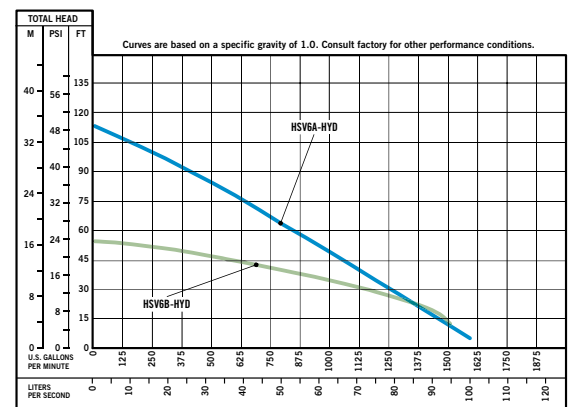
Engine: Kohler KD12504TCR Diesel, Deutz D914L4 Diesel\* & John Deere 4045T Diesel\*  
 Max Hydraulic Output: 28 GPM (1.8 lps)  
 Max Pressure: 3000 PSI (207.0 bar)

## Pump Performance Data

3" to 4" Models



6" Models



\*International Availability Only

# FLUID-HANDLING EQUIPMENT DESIGNED WITH YOUR NEEDS IN MIND



★ **Manufacturing Facilities**  
● **Distribution Centers**

Gorman-Rupp USA  
Mansfield, Ohio, USA  
Gorman-Rupp Canada  
St. Thomas, Ontario, Canada

Gorman-Rupp Europe  
Waardenburg, Netherlands  
Namur, Belgium  
Gorman-Rupp Africa  
Cape Town, South Africa  
Durban, South Africa  
Johannesburg, South Africa (Headquarters)

**Distribution Centers**  
Dubai, United Arab Emirates  
Grand Prairie, Texas, USA

Engineering and manufacturing superiority has been the hallmark of Gorman-Rupp since our inception in 1933. Today we bring our products to life in some of the most efficient, modern and state-of-the-art manufacturing facilities in the world. Gorman-Rupp has a selection of nearly 3,000 pump models, and our world-class team of distributors has worked closely with thousands of end users around the world. We have the proven expertise and the resources to specify, manufacture, test and service your pump, and to ensure reliable performance for the long haul.



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