



GRISWOLD H SERIES
Centrifugal Pump



Where Innovation Flows

envirogearpump.com



Who We Are

Griswold™ Centrifugal Pumps

Griswold™, a product brand of PSG, is a premier manufacturer of centrifugal pumps and baseplate systems. Griswold provides world-class engineering expertise, lean manufacturing, testing capabilities and exceptional customer support to meet customers' most demanding application requirements. Backed by a world-class testing facility and quality procedures, Griswold centrifugal pumps have the ability to withstand the most demanding application requirements while minimizing project costs.



BARGES AND TANK CARS



GENERAL TRANSFER APPLICATIONS



IRRIGATION



LIGHT INDUSTRIAL



MARINE



UNDERGROUND STORAGE/SUMP

Engineered
for **Flexibility &
Durability**

TECHNOLOGY: CENTRIFUGAL

H Series Centrifugal Pumps

The H Series is a unique line of self-priming centrifugal pumps that are designed specifically to lift water. The pumps are used for a variety of water applications.

Applications:

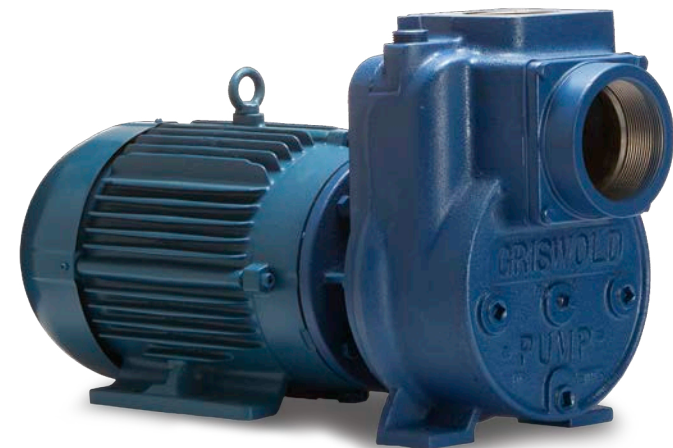
- Draining Barges
- Tank Cars
- Underground Storage Tanks
- Sprinkler Systems
- Swimming Pools
- Marine
- Irrigation
- Water Sumps

Features and Benefits:

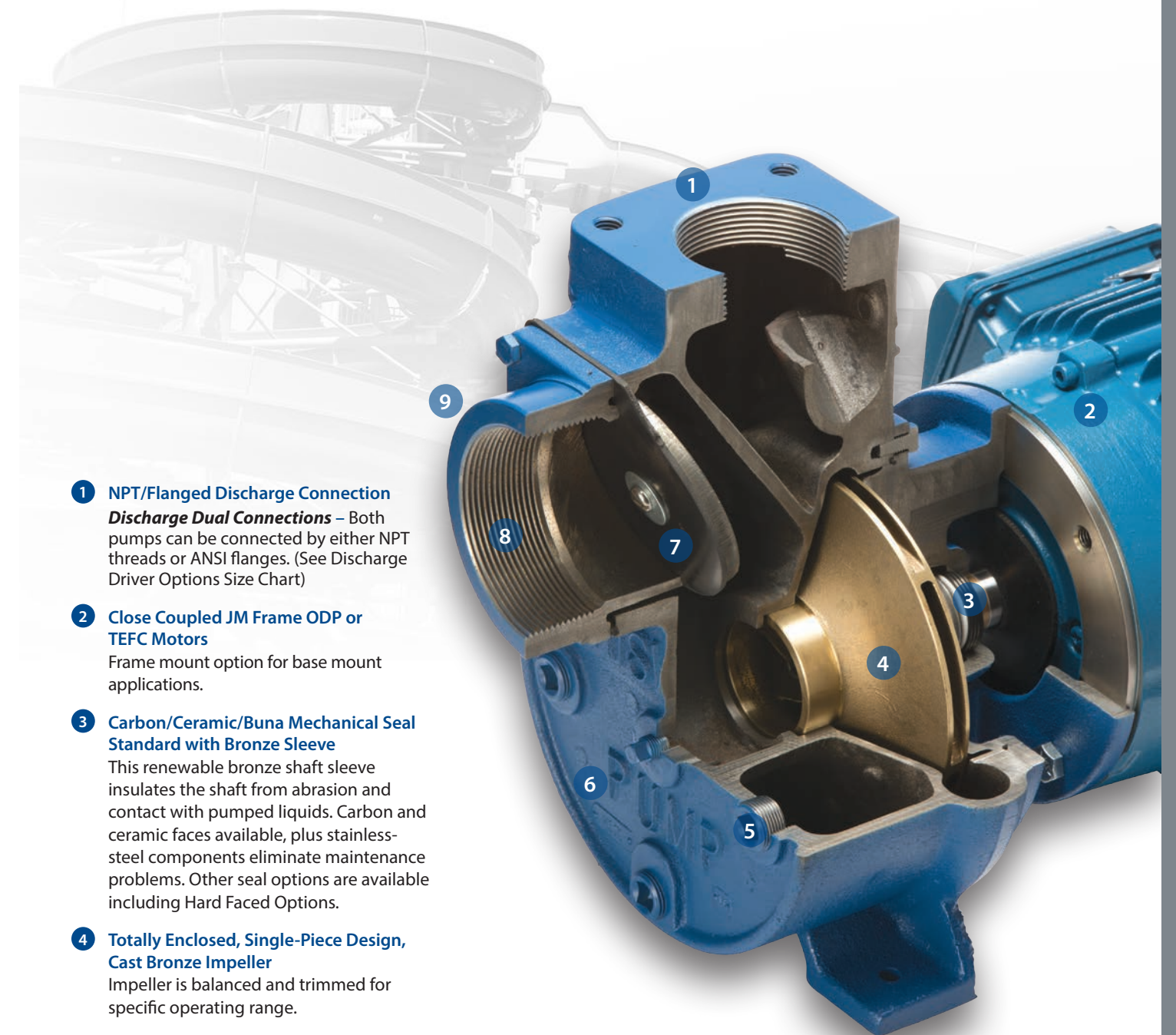
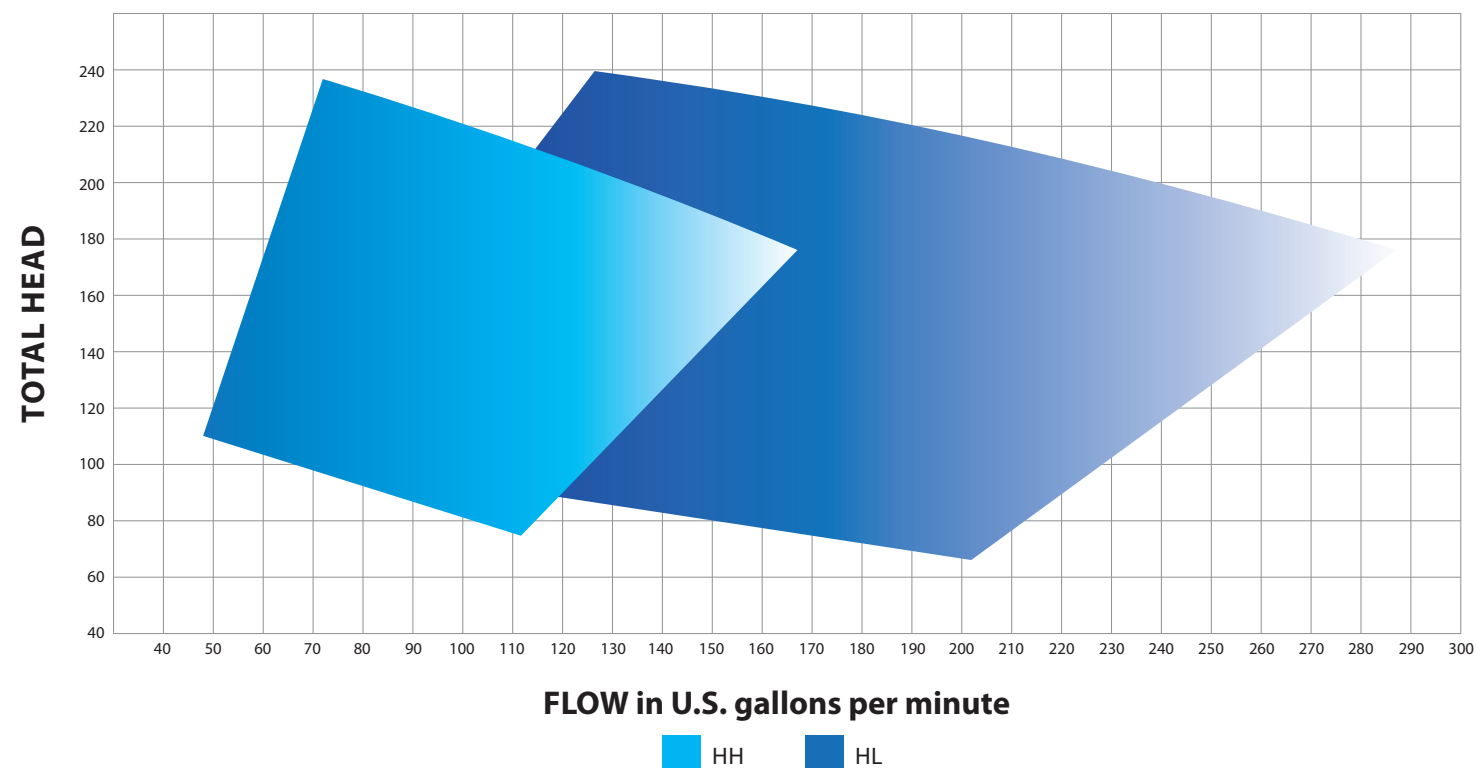
- Maintain prime even when check valves or foot valves have failed
- High suction line keeps the impeller and mechanical seal covered with water eliminating the need to reprime the pump; protects the seal from running dry and costly replacements
- Available with variety of drives

Technical Data:

- Pressures up to 110 psig (260 ft.) and flows to 325 gpm



H Series Performance



1 NPT/Flanged Discharge Connection

Discharge Dual Connections – Both pumps can be connected by either NPT threads or ANSI flanges. (See Discharge Driver Options Size Chart)

2 Close Coupled JM Frame ODP or TEFC Motors

Frame mount option for base mount applications.

3 Carbon/Ceramic/Buna Mechanical Seal Standard with Bronze Sleeve

This renewable bronze shaft sleeve insulates the shaft from abrasion and contact with pumped liquids. Carbon and ceramic faces available, plus stainless-steel components eliminate maintenance problems. Other seal options are available including Hard Faced Options.

4 Totally Enclosed, Single-Piece Design, Cast Bronze Impeller

Impeller is balanced and trimmed for specific operating range.

5 3/4" NPT Accessory Connections

The HL and HH models have (3) 3/4" NPT plugged connections on the case for accessories to be installed or auxiliary water outlets.

6 Heavy-Duty Cast Iron Casing

Heavy-duty cast iron ASTM A48 class 30 case with built-in drain and priming plugs and bolt-on suction flange. Extra-large priming chamber for fast, trouble-free priming.

7 Flapper Type Check Valve

Built-In Check Valve – Prevents siphoning and need for repriming. No external check valve is required. Designed for easy replacement.

8 Above Centerline Suction Connection

Thanks to a suction line located higher on the pump housing than conventional centrifugal pumps, the impeller and mechanical seal on the H Series remains covered with water at all times, eliminating the need to reprime the pump while protecting the seal from running dry and costly replacements.

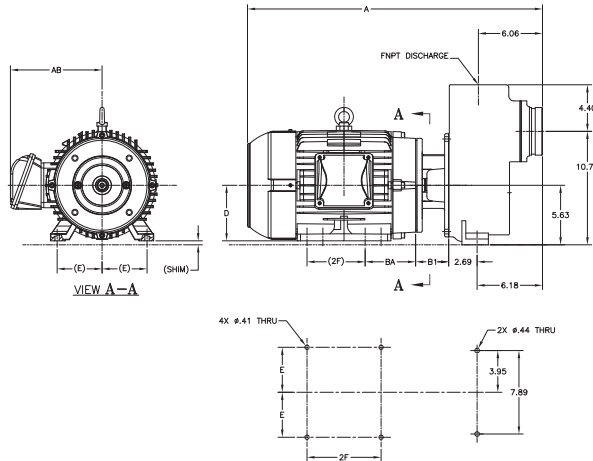
9 NPT/Victaulic Suction Flange

Bolt-on suction flange available in a variety of sizes to accommodate your specific flow. (See Suction Size Chart)

H Series Configurations

Closed Coupled

- ODP-JM Motor Frame
- TEFC-JM Motor Frame

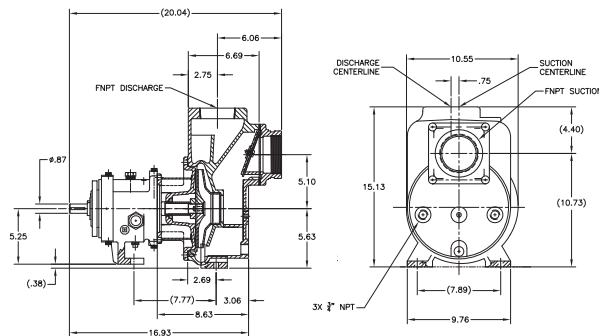


Single Phase Drip Proof								
Motor	Frame	A	AB	B1	BA	2F	D	E
3 HP	182 JM	23.16	6.69	2.875	3.50	4.50	4.50	3.75
5 HP	184 JM	23.16	6.69	2.875	3.50	5.50	4.50	3.75
7.5 HP	213 JM	26.68	7.97	2.875	4.25	5.50	5.25	4.25
10 HP	215 JM	26.68	7.97	2.875	4.25	7.00	5.25	4.25
Three Phase Drip Proof								
3 HP	145 JM	21.66	5.87	2.875	2.75	5.00	3.50	2.75
5 HP	182 JM	23.16	6.69	2.875	3.50	4.50	4.50	3.75
7.5 HP	184 JM	23.16	6.69	2.875	3.50	5.50	4.50	3.75
10 HP	213 JM	26.68	7.97	2.875	4.25	5.50	5.25	4.25
15 HP	215 JM	26.68	7.97	2.875	4.25	7.00	5.25	4.25
20 HP	254 JM	29.51	9.45	2.875	4.75	8.25	6.25	5.00
Three Phase TEFC								
5 HP	182 JM	23.16	7.56	2.875	2.75	4.50	4.50	3.75
7.5 HP	184 JM	23.16	7.56	2.875	2.75	5.50	4.50	3.75
10 HP	213 JM	27.87	8.58	2.875	3.50	5.50	5.25	4.25
15 HP	215 JM	27.87	8.58	2.875	3.50	7.00	5.25	4.25
20 HP	256 JM	30.76	10.48	2.875	4.25	10.00	6.25	5.00

NOTE: All dimensions are for reference only

Long Coupled

- Build with ANSI grade power frame



Flange Options

Pump Size	Suction	Discharge
HL	3" NPT/3" Victaulic Groove	2" NPT/2" 125# Flange
HH	4" NPT/4" Victaulic Groove	3" NPT/3" 125# Flange

NOTE: The discharge port is flanged and threaded

Pressure and Temperature Capability

	Temperatures up to 100°F	Temperatures over to 100°F
Pressure	120 psig	Contact Factory



Seal Options

- Carbon Ni-Resist Viton®
- Carbon Silicon Carbide Viton®
- Silicon Carbide Silicon Carbide Viton®
- Silicon Carbide Tungsten Viton®

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