



80 SERIES®

Heavy-Duty Self-Priming
Centrifugal Pumps



The Pump People®



A History Of Innovation

Gorman-Rupp has been revolutionizing the pumping industry since 1933. Many of the innovations introduced by Gorman-Rupp over the years have become industry standards.

Gorman-Rupp developed its first self-priming centrifugal pump to provide our customers with a durable, reliable pump that could perform in a demanding environment. Since then, we've worked closely with our customers around the world to meet their solids-handling and clean fluid transfer needs.

With over one million Gorman-Rupp pumps and pump stations installed to date, we have the experience to intimately understand your pumping requirements. Our worldwide network of distributors has experienced industry professionals on staff, giving us firsthand knowledge of your most difficult applications.

We help you solve these challenges and make the most of your limited resources by designing our pumps and stations to deliver decades of trouble-free performance. When you choose Gorman-Rupp for your pumping applications, you'll experience some of the lowest life cycle costs in the industry and benefit from minimal service interruptions. And you'll enjoy one of the highest customer satisfaction ratings in the industry—guaranteed.



Versatility

80 Series® self-priming centrifugal pumps are available in a variety of configurations for all of your industrial, construction, mining, agricultural, municipal and petroleum fluid-handling needs.

Delivering Decades Of Performance And Value

Gorman-Rupp is committed to meeting your fluid-handling requirements long after installation. The quality manufacturing and testing that go into every 80 Series® pump guarantee long-lasting, trouble-free operation. And we provide fast parts service to back up our products and ensure your peace of mind.

80 Series® pumps boast some of the lowest life cycle costs in the industry. Because of the quality manufacturing and testing that goes into every Gorman-Rupp product, you benefit from minimal service interruptions and some of the lowest

maintenance in the industry. Gorman-Rupp delivers the best ROI by ensuring low operating costs for decades.

When you need a replacement part for your 80 Series pump, you'll have it fast. With tens of thousands of genuine Gorman-Rupp parts and pumps at our disposal, we fill and ship most parts orders within 24 hours. Should your 80 Series pump ever require service, our worldwide network of factory-trained distributors is ready to quickly respond to your needs.

With just one number to call for parts and service, it's easy and convenient to keep your equipment performing as it should.



Gorman-Rupp 80 Series®

Self-Priming Centrifugal Pumps



81 1/4A



81 1/2E



82D

81 1/4A, 81 1/4B

81 1/2A, 81 1/2B,
81 1/2D, 81 1/2E,
81 1/2P

82D, 82E, 82H

Heavy-Duty Design

Gorman-Rupp 80 Series® medium head, mild solids-handling, self-priming centrifugal pumps are designed for non-stop work loads.

The straight-in-suction design of these high efficiency pumps guarantees quick positive priming and allows them to operate at higher suction levels than most other self-priming centrifugal pumps.

The liquid being pumped enters directly into the eye of the impeller, and a suction check valve prevents in-line return flow when the pump is shut off.

And, because they have few moving parts, 80 Series pumps are easy to maintain and service, saving you money in the long run.





83A



84B



86B

83A, 83B, 83C,
83D

84A, 84B

86A, 86B



High-Efficiency Impeller

80 Series® pumps come equipped with a multi-vane, open impeller for higher efficiencies. Depending on the model, the impeller design will handle up to 1.94" solids. These pumps are perfect for mild-solids handling, medium head applications.



Replaceable Wearplate

The replaceable wearplate is vital in ensuring the pump is operating at peak efficiency and eliminates the need to replace expensive castings. Most 80 Series® wearplates are constructed of extra-thick carbon steel designed for extended service life.



Multiple Seal Options

80 Series pumps come standard with mechanical shaft seals. Grease and gland seals are also available depending on the pumping application. Consult factory for details.

Configured To Suit Your Pumping Requirements

ots
PUMPS



80 Series®
Close-coupled

ots
PUMPS



80 Series®
Engine Driven

SHIELD
A-SPARK



80 Series®
Shield-A-Spark Fuel
Handling Engine Driven

80 Series® OTS Pumps

Gorman-Rupp 80 Series® OTS pumps are a complete line of self-priming models that can be purchased anytime, anywhere. Drive options include close-coupled and engine-driven configurations.

80 Series®

Close-coupled Electric Driven

Size: 1.25" (30 mm) to 1.5" (38 mm)
Max Capacity: 92 GPM (6 lps)
Max Head: 70' (21 m)
Max Solids: .56" (14 mm)
Seal Elastomer: Viton®
Material of Construction: Cast Iron*

**Some models available in additional materials.
Consult factory for details.*

80 Series®

Engine Driven

Size: 2" (50 mm) to 6" (150 mm)*
Max Capacity: 1860 GPM (117 lps)
Max Head: 210' (64 m)
Max Solids: 1.94" (49 mm)
Seal Elastomer: Viton®
Material of Construction: Cast Steel, Aluminum

**4" and 6" international sale only.*

Specialty Self-Priming Centrifugal Pumps

The safest way to handle a hazardous liquids is to use a pump that is designed for the job. That is why Gorman-Rupp manufactures a specialty line of pumps classified as explosion proof and safe to use with volatile liquids.

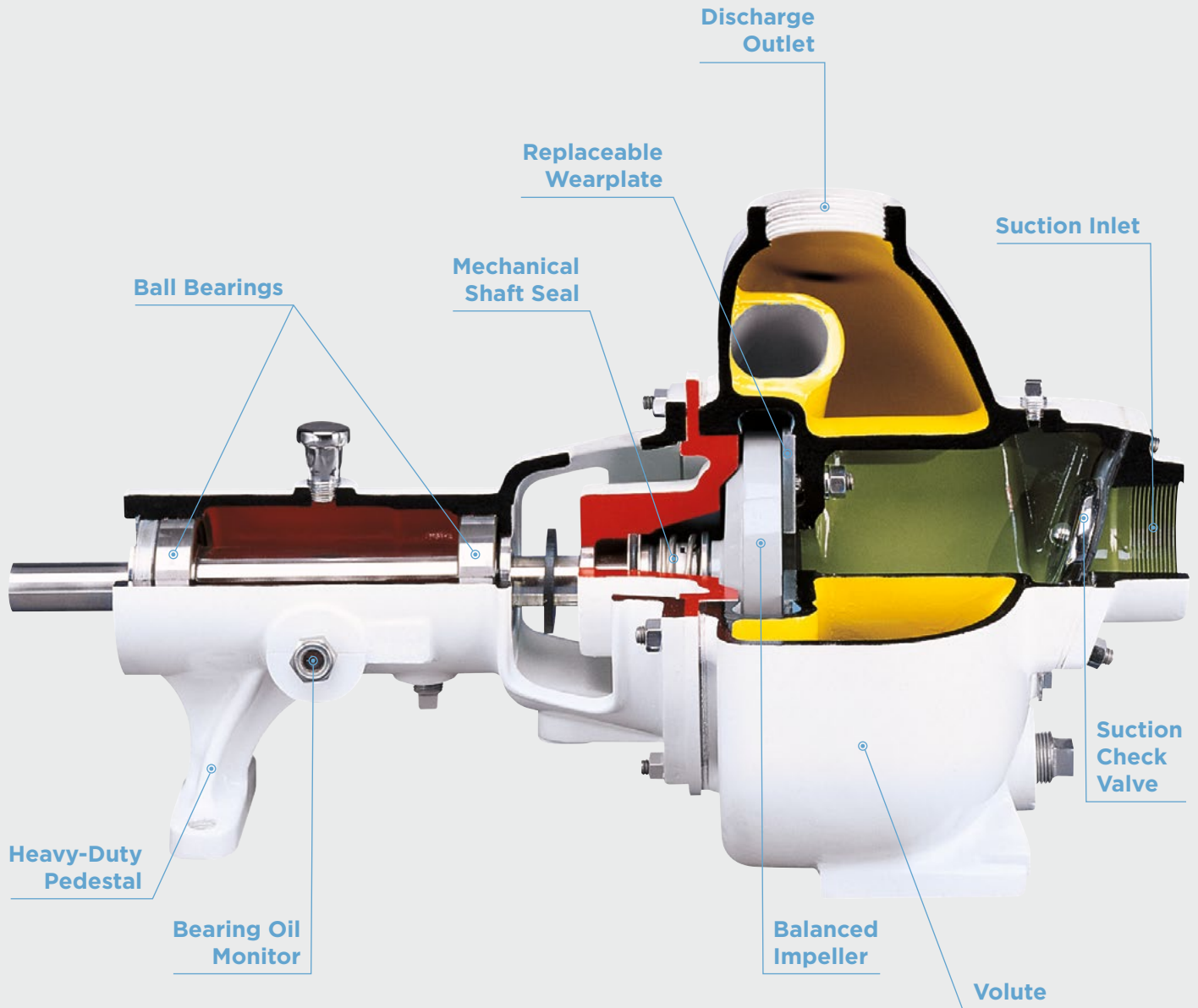
80 Series®

Shield-A-Spark

Fuel-Handling Engine Driven

Size: 2" (50 mm) to 3" (75 mm)
Max Capacity: 395 GPM (25 lps)
Max Head: 140' (43 m)
Max Solids: .75" (19 mm)
Seal Elastomer: Viton®
Material of Construction: Aluminum

The Right Pump For The Job



Specifications

Pump Size: 1.25" (30 mm), 1.5" (40 mm), 2" (50 mm), 3" (75 mm), 4" (100 mm), 6" (150 mm)

Max Capacity: 1880 GPM (119 lps)

Max Head: 207' (63 m)

Max Solids: 1.9" (49 mm)

Seal Elastomer: Viton®

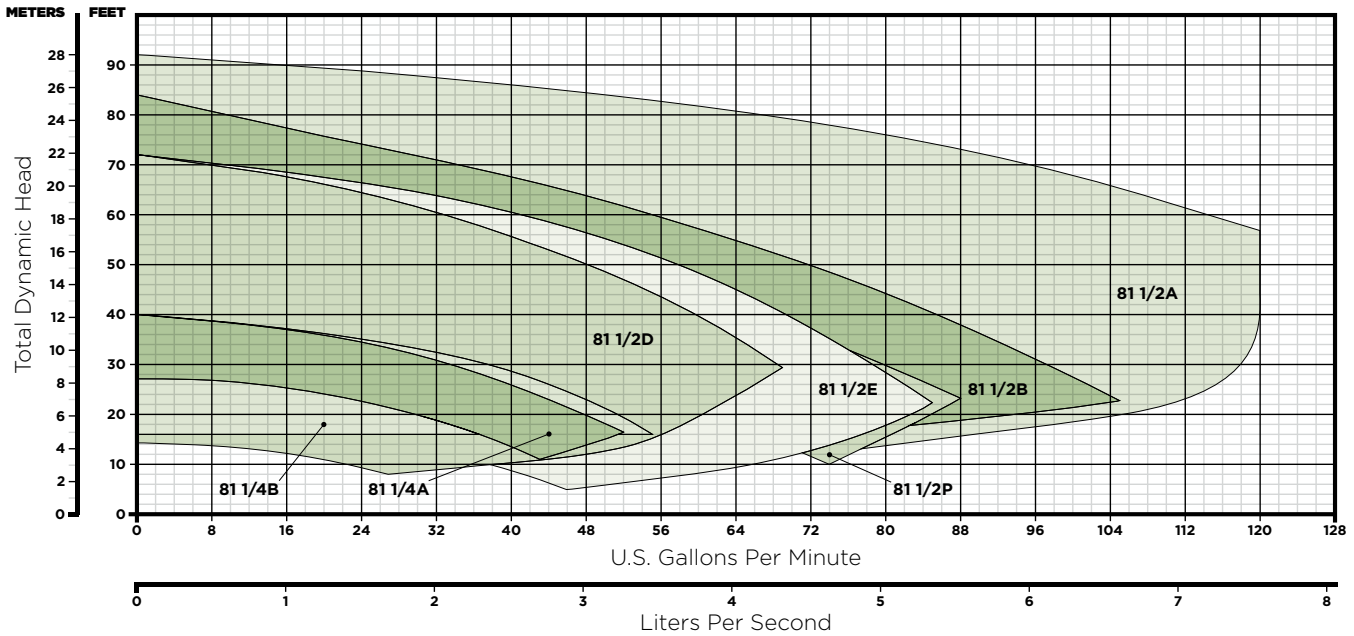
Materials of Construction: Cast Iron*

*Some models available in additional materials. Consult factory for details.

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Performance No Other Pump Can Deliver

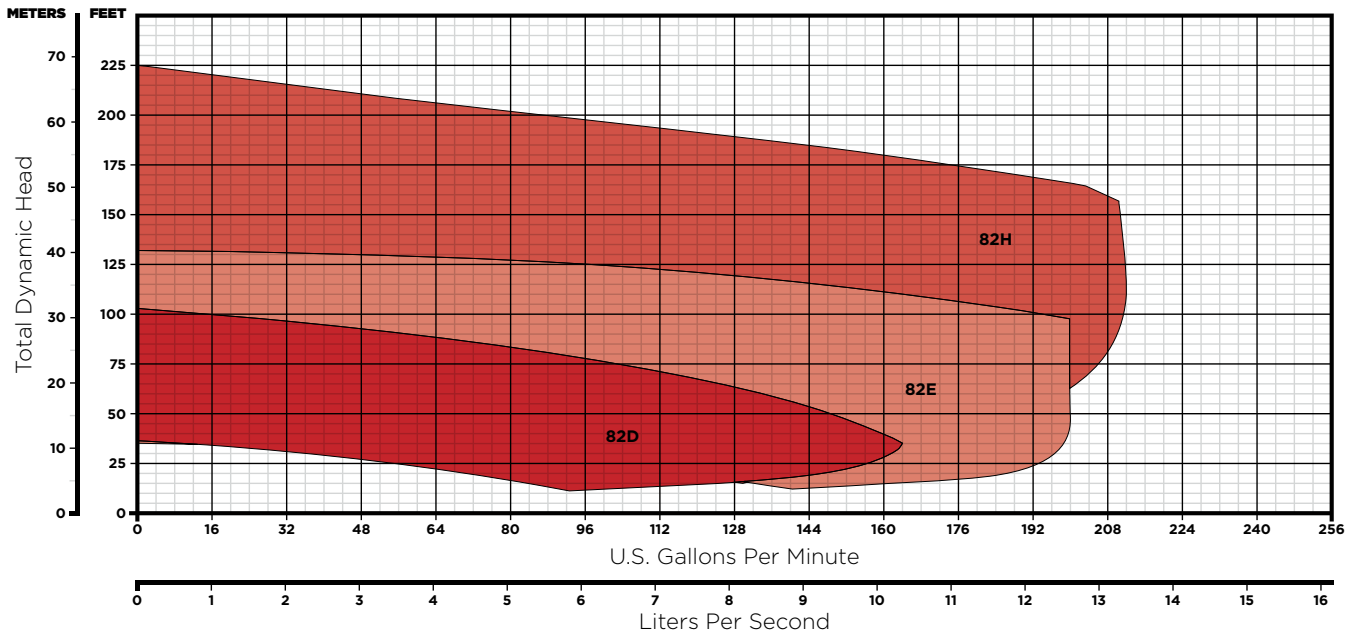
81 1/4A-B & 81 1/2A, B, D, E & P Versions



Operating Ranges

| Model | Size (Suc. x Dis.) | Max. Capacity | Max. Head | Max. Solids | Construction |
|---------|---------------------------------|-----------------|------------|--------------|----------------------------|
| 81 1/4A | 1 1/4" x 1 1/4" (32 mm x 32 mm) | 52 GPM (3 lps) | 39' (12 m) | .25" (6 mm) | Cast Iron |
| 81 1/4B | 1 1/4" x 1 1/4" (32 mm x 32 mm) | 55 GPM (3 lps) | 40' (12 m) | .31" (8 mm) | Cast Iron |
| 81 1/2A | 1 1/2" x 1 1/2" (38 mm x 38 mm) | 120 GPM (8 lps) | 88' (27 m) | .63" (16 mm) | Cast Iron |
| 81 1/2B | 1 1/2" x 1 1/2" (38 mm x 38 mm) | 105 GPM (7 lps) | 76' (23 m) | .63" (16 mm) | Cast Iron |
| 81 1/2D | 1 1/2" x 1 1/2" (38 mm x 38 mm) | 69 GPM (4 lps) | 69' (21 m) | .28" (7 mm) | Cast Iron |
| 81 1/2E | 1 1/2" x 1 1/2" (38 mm x 38 mm) | 85 GPM (5 lps) | 70' (21 m) | .25" (6 mm) | Cast Iron, Stainless Steel |
| 81 1/2P | 1 1/2" x 1 1/2" (38 mm x 38 mm) | 88 GPM (6 lps) | 61' (19 m) | .56" (14 mm) | Plastic |

82D, E & H Versions



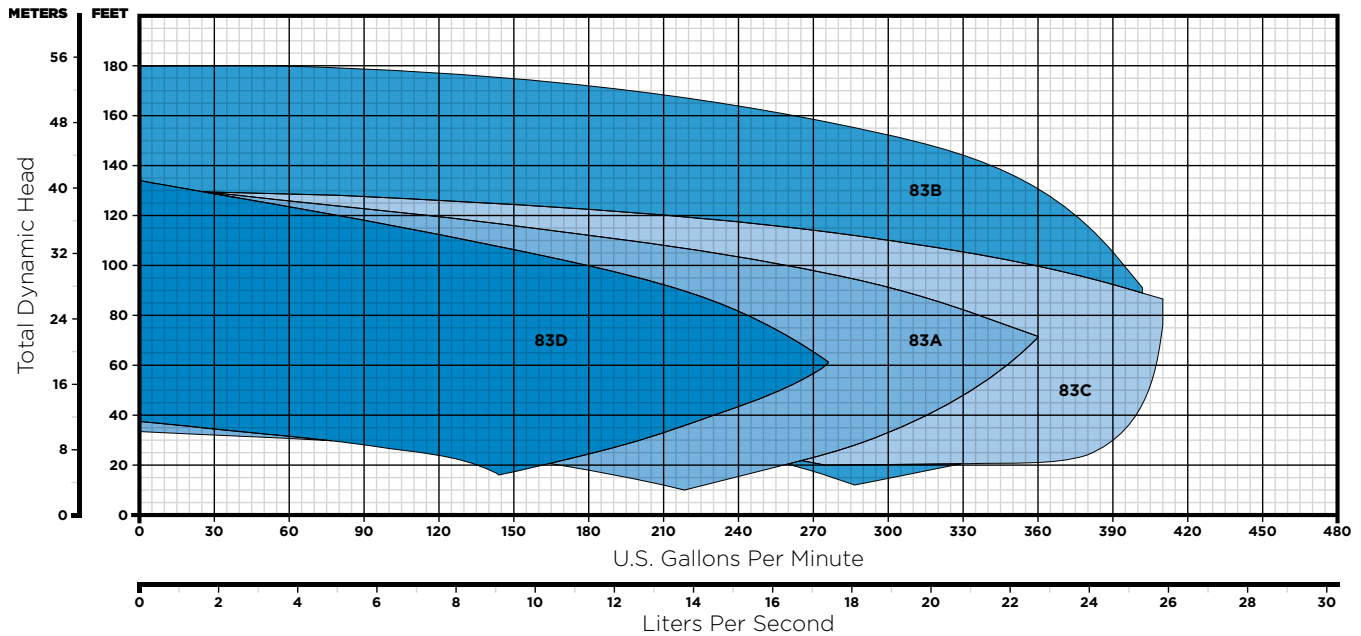
Operating Ranges

| Model | Size (Suc. x Dis.) | Max. Capacity | Max. Head | Max. Solids | Construction |
|-------|-------------------------|------------------|-------------|--------------|-------------------|
| 82D | 2" x 2" (51 mm x 51 mm) | 164 GPM (10 lps) | 98' (30 m) | .63" (16 mm) | Cast Iron |
| 82E | 2" x 2" (51 mm x 51 mm) | 260 GPM (16 lps) | 131' (40 m) | .75" (19 mm) | Cast Iron |
| 82H | 2" x 2" (51 mm x 51 mm) | 212 GPM (13 lps) | 207' (63 m) | .75" (19 mm) | Cast Iron, CD4MCu |



Setting A Whole New Standard In Pumping Performance

83A-D Versions

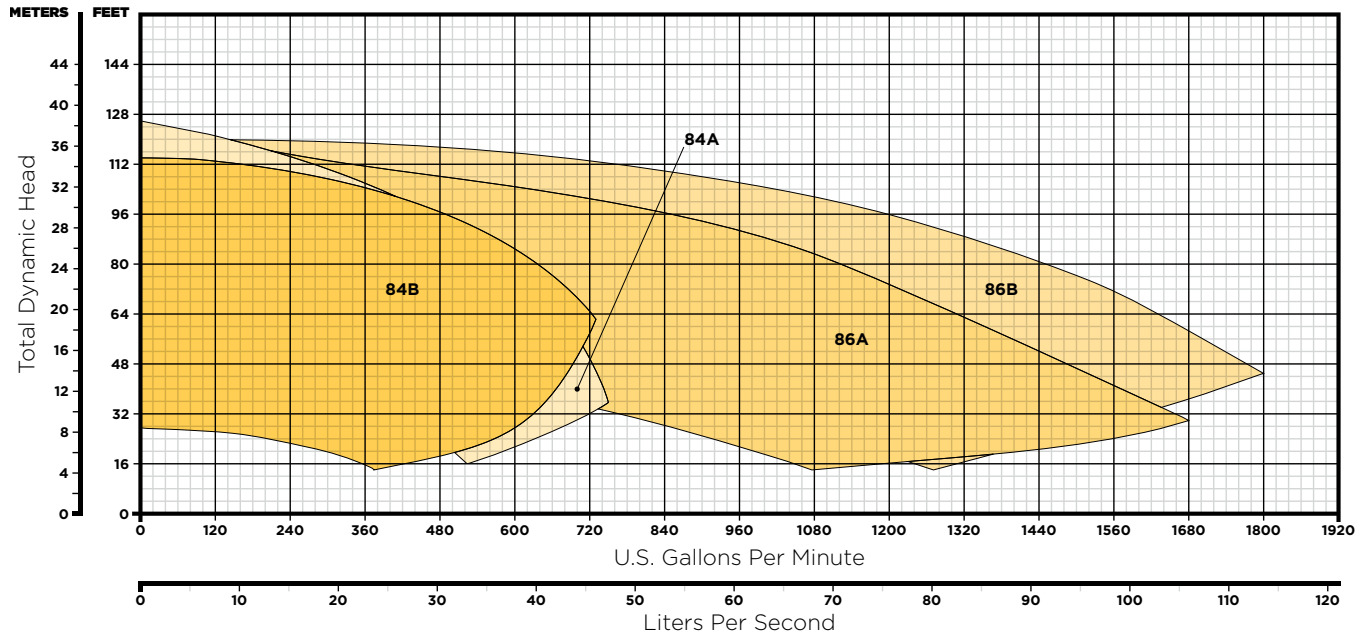


Operating Ranges

| Model | Size (Suc. x Dis.) | Max. Capacity | Max. Head | Max. Solids | Construction |
|-------|-------------------------|------------------|-------------|--------------|-------------------------|
| 83A | 3" x 3" (75 mm x 75 mm) | 360 GPM (23 lps) | 128' (39 m) | .75" (19 mm) | Cast Iron |
| 83B | 3" x 3" (75 mm x 75 mm) | 402 GPM (25 lps) | 178' (54 m) | .81" (21 mm) | Cast Iron, Ductile Iron |
| 83C | 3" x 3" (75 mm x 75 mm) | 410 GPM (26 lps) | 128' (39 m) | .88" (22 mm) | Cast Iron |
| 83D | 3" x 3" (75 mm x 75 mm) | 276 GPM (17 lps) | 128' (39 m) | .75" (19 mm) | Cast Iron |



84A-B & 86A-B Versions



Operating Ranges

| Model | Size (Suc. x Dis.) | Max. Capacity | Max. Head | Max. Solids | Construction |
|------------|---------------------------|--------------------|-------------|---------------|-------------------------|
| 84A | 4" x 4" (100 mm x 100 mm) | 750 GPM (47 lps) | 120' (37 m) | 1.13" (29 mm) | Cast Iron |
| 84B | 4" x 4" (100 mm x 100 mm) | 730 GPM (46 lps) | 113' (34 m) | 1.25" (32 mm) | Cast Iron, Ductile Iron |
| 86A | 6" x 6" (150 mm x 150 mm) | 1680 GPM (106 lps) | 110' (34 m) | 1.94" (49 mm) | Cast Iron |
| 86B | 6" x 6" (150 mm x 150 mm) | 1880 GPM (119 lps) | 120' (37 m) | 1.75" (44 mm) | Cast Iron |

After Sale Support

Gorman-Rupp products stand the test of time due to our quality manufacturing processes, rigorous product testing and extensive after sale support.

Product Support

Every pump manufactured by Gorman-Rupp is supported with reference information. Pump operation and maintenance manuals (including parts lists), specification data sheets, performance curves and outline drawings in PDF and CAD formats are available on our website or through your distributor for every pump.

Warranty

The warranties on Gorman-Rupp products are some of the best in the industry. Gorman-Rupp has you covered with warranties up to 60 months.

Education & Safety

Gorman-Rupp is committed to remaining at the forefront of the industry with technology and safety. Training videos, demos and

in-person training sessions created for our distributors and end-users help to keep everyone up to date on the latest safety tips and pump maintenance.

Parts

When you need a replacement part, you'll have it fast. Gorman-Rupp is fully committed to keeping your equipment running long after installation and ensuring your pump or lift station continues to meet your requirements year after year. We sell parts through our network of distributors. Find a distributor in your area for assistance.

Service

Should your pump or lift station require service, our worldwide network of factory-trained distributors are ready to quickly respond. Our distributors have the expertise to support you and your pump or lift station long after installation.

Manufacturing Facilities

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 Center

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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