

Basic Pedestal

A B C D E

# Self Priming Centrifugal Pump



## Models 83A3-B and 83A52-B

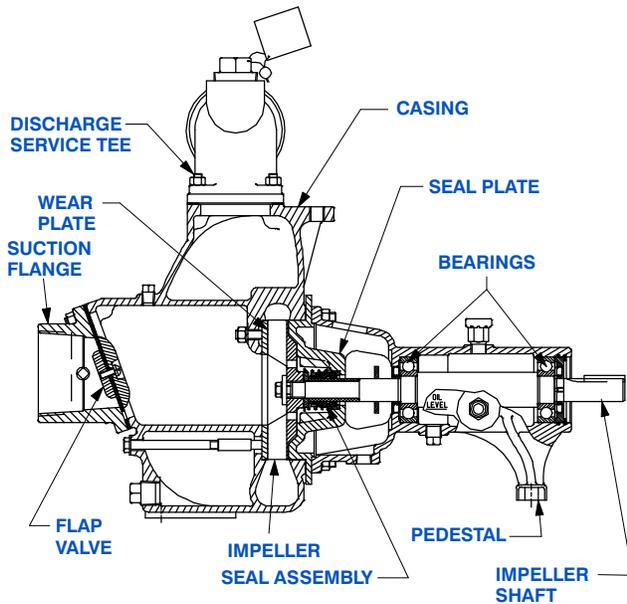
### Size 3" x 3"

**PUMP SPECIFICATIONS**

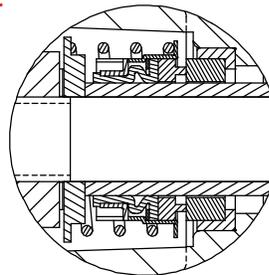
- Size:** 3" x 3" (76 mm x 76 mm) NPT - Female.
- Casing:** Gray Iron 30.  
Maximum Operating Pressure 87 psi (600 kPa)\*.
- Semi-Open Type, Four Vane Impeller:** Gray Iron 30.  
Handles 3/4" (19,1 mm) Diameter Spherical Solids
- Impeller Shaft:** Carbon Steel 1045.
- Replaceable Wear Plate:** Carbon Steel 1026.
- Pedestal:** Gray Iron 30.
- Shaft Sleeve:** Stainless Steel 304.
- Seal Plate:** Gray Iron 30.
- Flap Valve:** Buna-N w/Nylon Reinforcement and Gray Iron 30.
- Radial and Thrust Bearings:** Open Single Row Ball.
- Bearing Lubrication:** SAE 30 Non-Detergent Oil.
- Suction Flange:** Gray Iron 25.
- Gaskets:** Cork.
- Hardware:** Standard Plated Steel.
- Discharge Service Tee:** Gray Iron 30.
- Oil Level Sight Gauge.**
- Optional Equipment:** Strainer.  
Consult Factory for Additional Options.



*\*Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.*

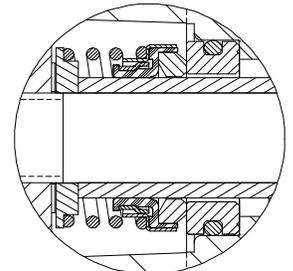


83A3-B SHOWN



**83A3-B SEAL DETAIL** Type 2, Mechanical, Self-Lubricated. Carbon Rotating Face. Ceramic Stationary Face. Buna-N Elastomers. Stainless Steel 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).\*

**83A52-B SEAL DETAIL** Type 31, Mechanical, Self-Lubricated. Silicon Carbide Rotating and Stationary Faces. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped 160°F (71°C).\*



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

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www.grpumps.com

Specifications Subject to Change Without Notice

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**Specification Data**

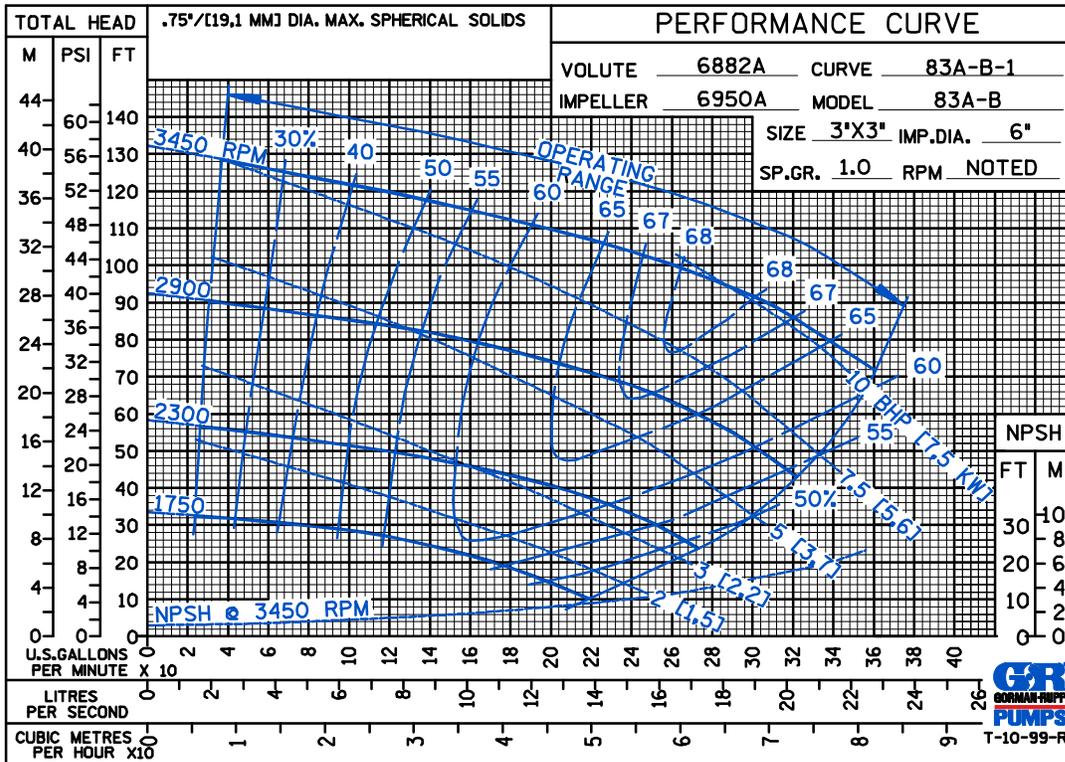
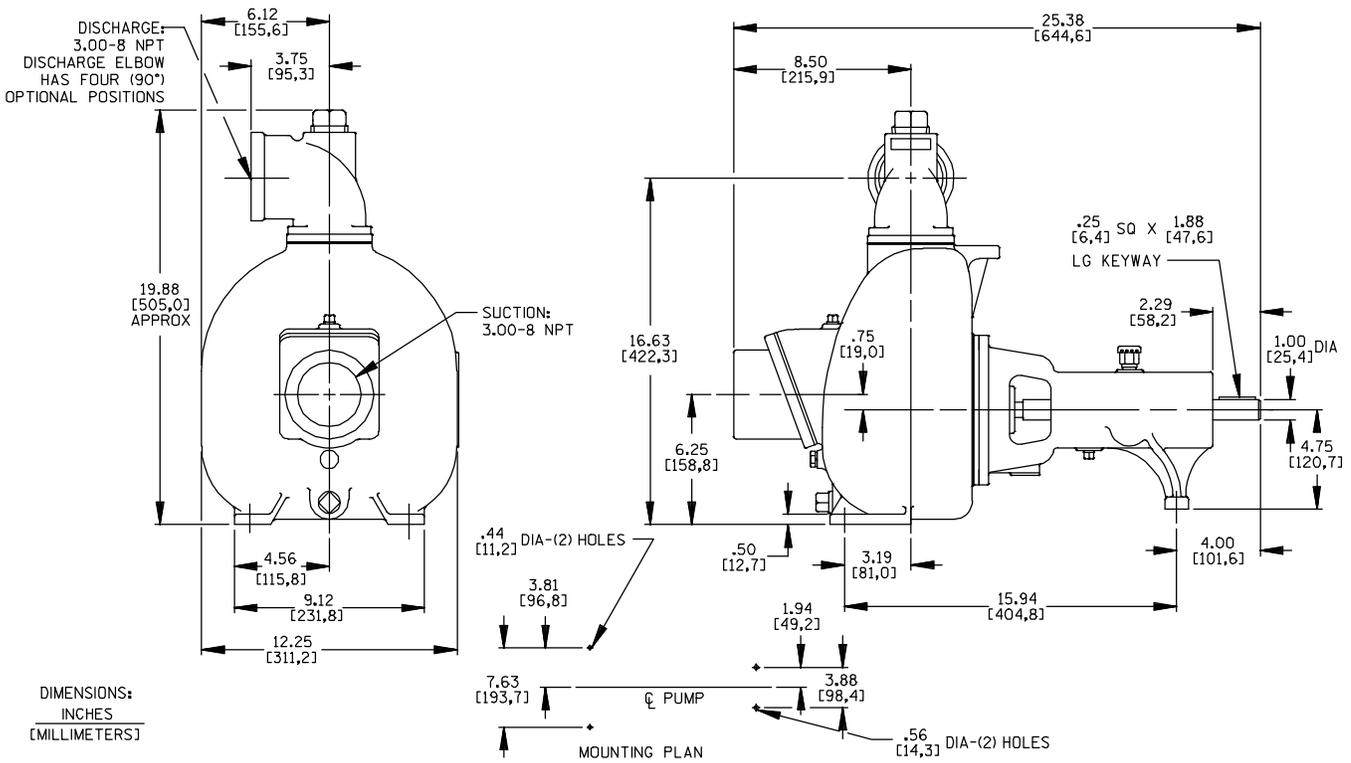
**SECTION 50, PAGE 1451**

APPROXIMATE  
DIMENSIONS and WEIGHTS

**NET WEIGHT: 115 LBS. (52,2 KG.)**

**SHIPPING WEIGHT: 125 LBS. (56,7 KG.)**

**EXPORT CRATE: 8.5 CU. FT. (0,24 CU. M.)**



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