

A B C D E

Basic Pedestal

Self Priming Centrifugal Pump

Models 83B3-B, 83B31-B and 83B52-B



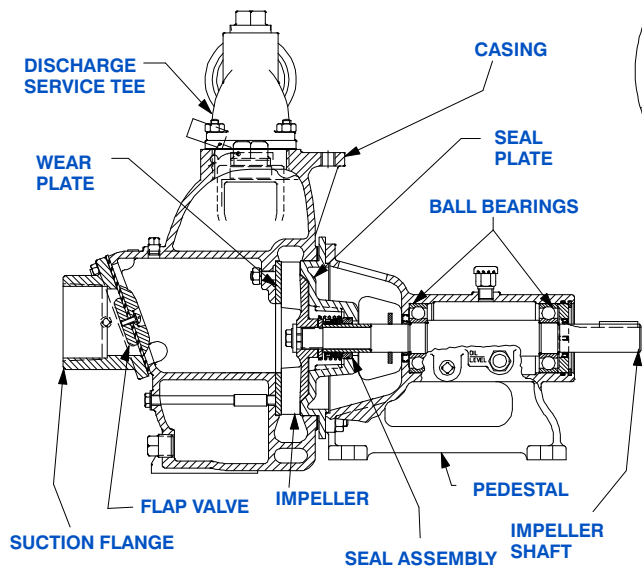
Size 3" x 3"

PUMP SPECIFICATIONS

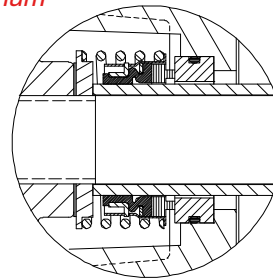
Size: 3" x 3" (76 mm x 76 mm) NPT - Female.
Casing (Models 83B3-B and 83B52-B): Gray Iron 30.
(Model 83B31-B): Ductile Iron 65-45-12.
 Maximum Operating Pressure 117 psi (807 kPa)*.
Semi-Open Type, Four Vane Impeller: Gray Iron 30.
 Handles 13/16" (20,6 mm) Diameter Spherical Solids
Impeller Shaft: Carbon Steel 1045/1046.
Replaceable Wear Plate: Carbon Steel 1026.
Pedestal: Gray Iron 30.
Shaft Sleeve: Alloy Steel 4130.
Seal Plate (Models 83B3-B and 83B52-B): Gray Iron 30.
(Model 83B31-B): Ductile Iron 65-45-12.
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 and Vegetable Fiber.
Hardware: Standard Plated Steel.
Discharge Service Tee: Gray Iron 30.
Oil Level Sight Gauge.
Optional Equipment: Consult Factory.



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



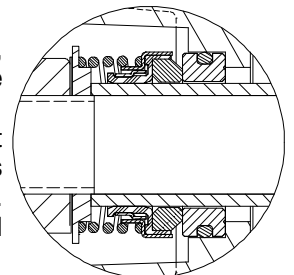
83B3-B SHOWN

**83B3-B and 83B31-B SEAL DETAIL**

Type 2, Mechanical, Self-Lubricated. Carbon Rotating Face. Ni-Resist Stationary Face. Fluorocarbon Elastomers (DuPont Viton[®] or Equivalent). Stainless Steel 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).*

83B52-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

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

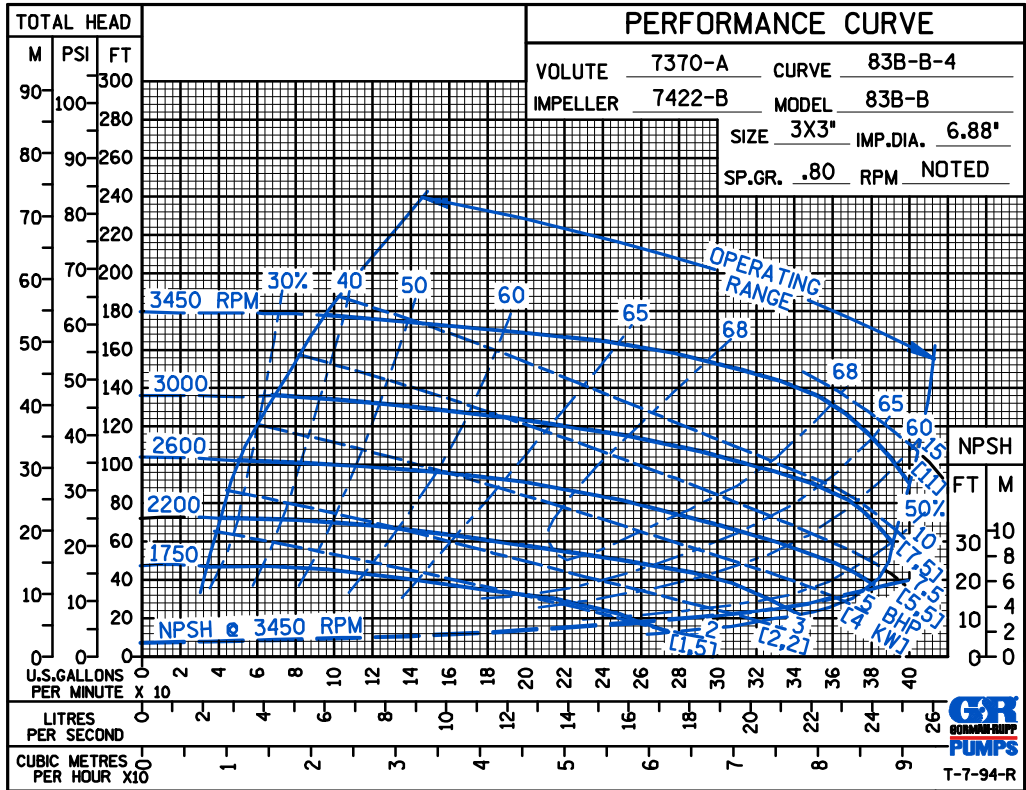
www.grpumps.com

Specifications Subject to Change Without Notice

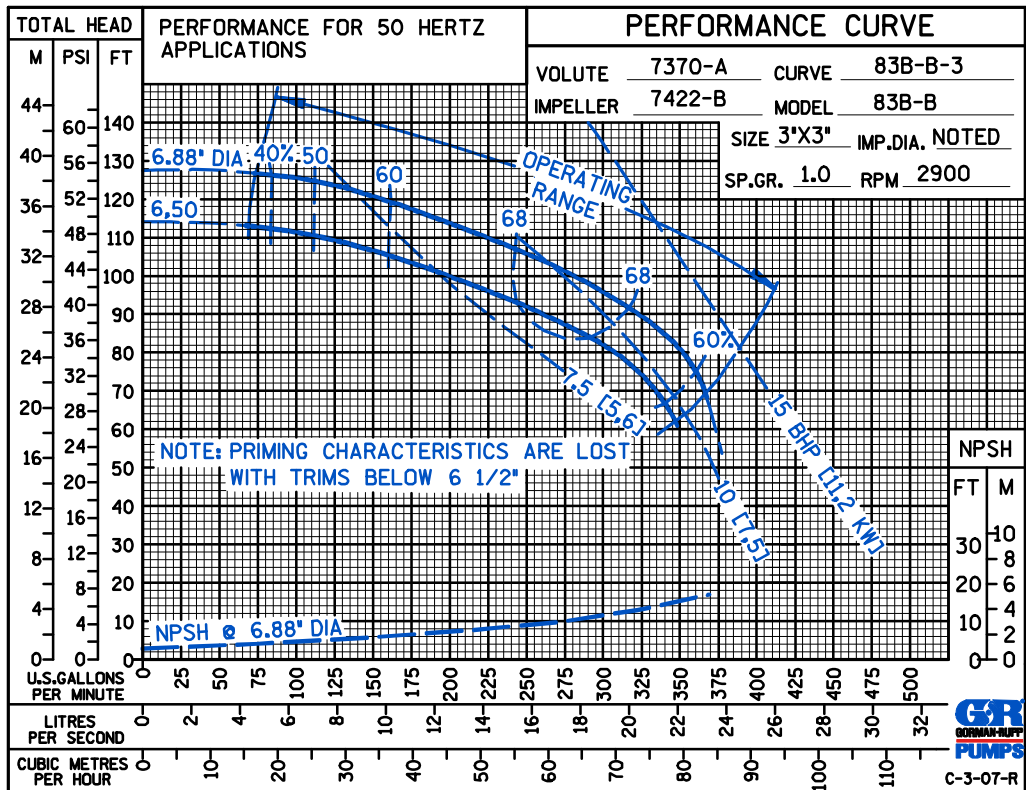
Printed in U.S.A.

A B C D E

PERFORMANCE
BASED ON
PETROLEUM



50 HERTZ
PERFORMANCE
BASED ON
WATER



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

Specifications Subject to Change Without Notice

Printed in U.S.A.