

DS

# Self Priming Centrifugal Pump



## Basic Pump Model T10A3S-B Size 10" x 10"



### PUMP SPECIFICATIONS

- Size:** 10" x 10" (254 mm x 254 mm) Flanged.
- Pump Casing:** Gray Iron No. 30. Maximum Operating Pressure 99 psi (683 kPa).\*
- Open Type, Two Vane Impeller:** Ductile Iron No. 65-45-12. Handles 3" (76.2 mm) Diameter Spherical Solids.
- Impeller Shaft:** Stainless Steel No. 17-4 PH.
- Replaceable Front Wear Plate:** Ductile Iron No. 65-45-12.
- Replaceable Rear Wear Plate:** Carbon Steel Plate.
- Removable Clean-out Cover Plate:** Gray Iron No. 30; 9 lbs. (4 kg).
- Flap Valve:** Neoprene w/Steel Reinforcing.
- Bearing Housing:** Gray Iron No. 30.
- Seal Plate:** Gray Iron No. 30.
- Shaft Sleeve:** Alloy Steel No. 4130.
- Radial/Thrust Bearings:** Open Double Ball.
- Bearing and Seal Cavity Lubrication:** SAE No. 30 Non-Detergent Oil.
- Suction Flange:** 125# Gray Iron No. 30.
- Suction Head:** Gray Iron No. 30.
- Gaskets:** Buna-N, PTFE, Cork, and Rubber.
- O-Rings:** Buna-N.
- Hardware:** Standard Plated Steel.
- Brass Pressure Relief Valve.**
- Bearing and Seal Cavity Oil Level Sight Gauges.**
- Optional Equipment:** Metal Bellows Seal. Automatic Air Release Valve. High Pump Temperature Shutdown Kit. 120V/240V Casing Heater. Gray Iron No. 30 Spool Flanges; 10" ASA Discharge. 250 mm DIN 2527 Suction and Discharge (Specify Model T10A3S-B /FM).

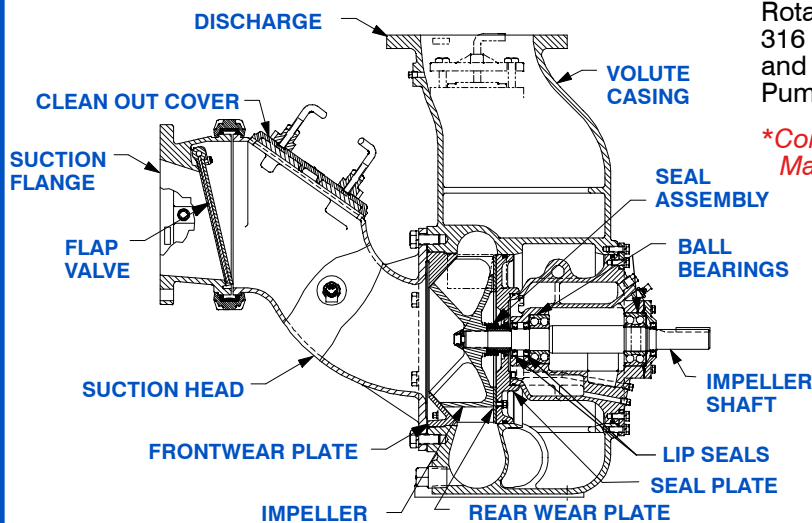


**Optional Flanges Available in ASA or DIN Standard Sizes.**

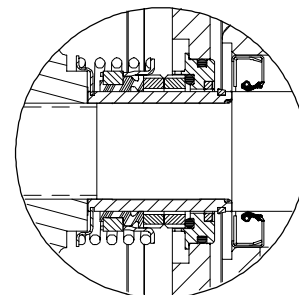
### SEAL SPECIFICATIONS

Cartridge Type, Mechanical, Oil-Lubricated, Double Floating, Self-Aligning. Tungsten Titanium Carbide Rotating and Stationary Faces. Stainless Steel No. 316 Stationary Seat. Stainless Steel No. 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).\*

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



### SEAL DETAIL



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

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

www.gormanrupp.com

Specifications Subject to Change Without Notice

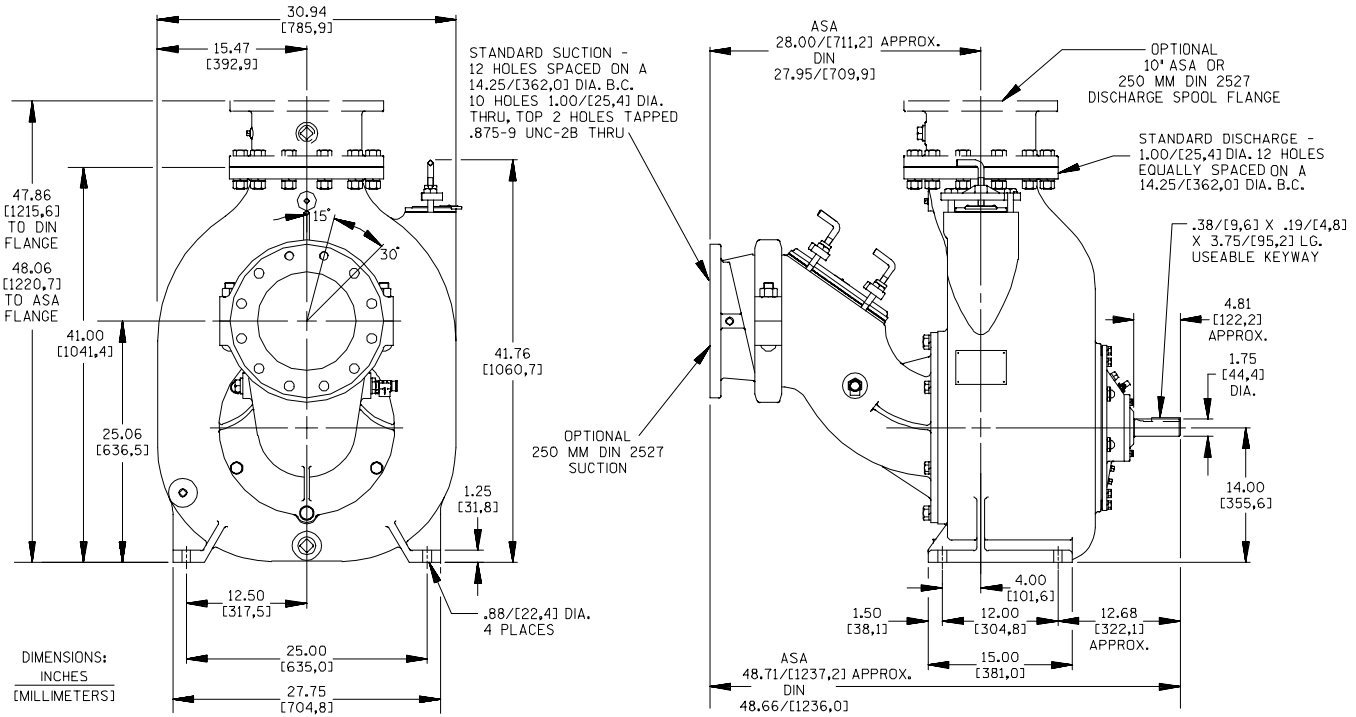
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**Specification Data**

**NET WEIGHT:** 1401 LBS. (635 KG.)\*  
**SHIPPING WEIGHT:** 1461 LBS. (663 KG.)\*  
**EXPORT CRATE:** 53.0 CU. FT. (1,5 CU. M.)  
**\*ADD 71 LBS. (32,2 KG.) W/DISCH SPOOL FLANGE**

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**APPROXIMATE DIMENSIONS and WEIGHTS**



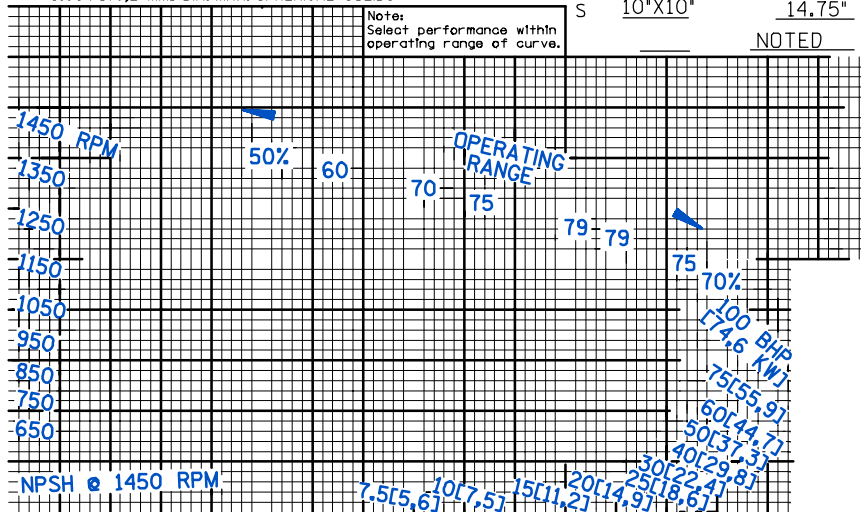
**OPTIONAL ASA OR DIN STANDARD SPOOL FLANGES AVAILABLE**

**REPRIMING LIFTS**

RPM	650	750	850	950	1050-1150	1250	1350-1450
FEET	7	11	14	17	18	19	22
METERS	2,1	3,4	4,3	5,2	5,5	5,8	6,7

Figure NPSH required prior to using above table. DO NOT use as available Suction Lifts. 3.00"/[76,2 MM] DIA. MAX. SPHERICAL SOLIDS

38222-701 T10A-B-4  
 38615-014 T10A-B  
 S 10"X10" 14.75"  
 NOTED



T-5-99-R