

# Self Priming Centrifugal Pump

**Super  
T SERIES**

VARIOUS PATENTS APPLY

**Model T4A3S-B**

**Size 4" x 4"**



## PUMP SPECIFICATIONS

**Size:** 4" x 4" (101 mm x 101 mm) NPT - Female.

**Casing:** Gray Iron 30.

Maximum Operating Pressure 86 psi (593 kPa).\*

**Semi-Open Type, Two Vane Impeller:** Ductile Iron 65-45-12.

Handles 3" (76,2 mm) Diameter Spherical Solids.

**Impeller Shaft:** Alloy Steel 4150.

**Shaft Sleeve:** Alloy Steel 4130.

**Replaceable Wear Plate:** Carbon Steel ASTM A36.

**Removable Adjustable Cover Plate:** Gray Iron 30; 41 lbs. (18 kg).

**Flap Valve:** Neoprene w/Nylon and Steel Reinforcing.

**Seal Plate:** Gray Iron 30.

**Bearing Housing:** Gray Iron 30.

**Radial Bearing:** Open Single Row Ball.

**Thrust Bearing:** Open Double Row Ball.

**Bearing and Seal Cavity Lubrication:** SAE 30 Non-Detergent Oil.

**Flanges:** Gray Iron 30.

**Gaskets:** Buna-N w/Compressed Synthetic Fibers, Vegetable Fiber, 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:** Automatic Air Release Valve. Metal Bellows Seal. 120V/240V Casing Heater. High Pump Temperature Shutdown Kit.

Gray Iron 30 Suction and Discharge Spool Flanges:

4" ASA (**Specify Model T4A3S-B /F**).

100 mm DIN 2527 (PN 16) (**Specify Model T4A3S-B /FM**).

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

DISCHARGE  
FLANGE

FLAP  
VALVE

SUCTION  
FLANGE

COVER  
PLATE

WEAR PLATE

IMPELLER

CASING

SEAL PLATE

BALL BEARINGS

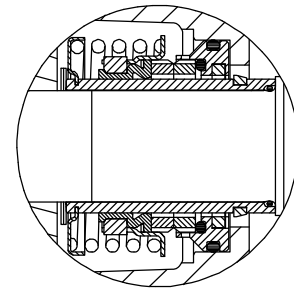
IMPELLER  
SHAFT

LIP SEALS

SEAL ASSEMBLY



Shown with Optional Suction & Discharge Spool Flanges (Available in ASA or DIN Standard Sizes).



## SEAL DETAIL

Cartridge Type, Mechanical, Oil-Lubricated, Double Floating, Self-Aligning. Tungsten Titanium Carbide Rotating and Stationary Faces. Stainless Steel 316 Stationary Seat. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).\*

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Specifications Subject to Change Without Notice

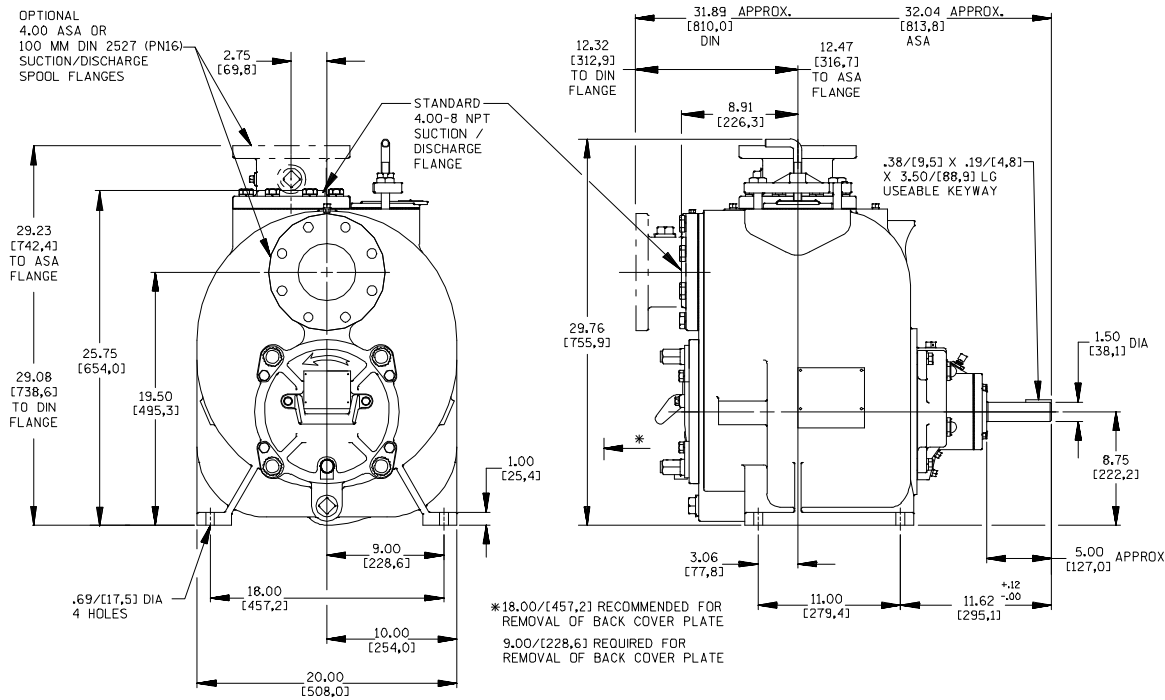
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**Specification Data**

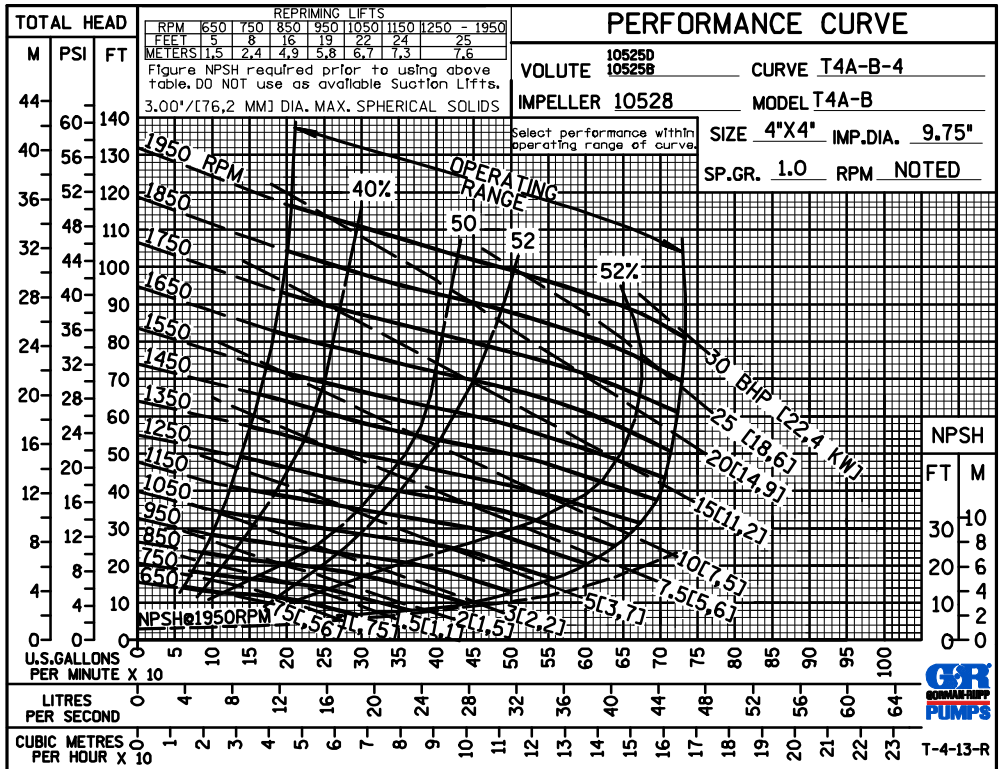
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**APPROXIMATE DIMENSIONS and WEIGHTS**

**NET WEIGHT: 575 LBS. (261 KG.)\***  
**SHIPPING WEIGHT: 614 LBS. (279 KG.)\***  
**EXPORT CRATE: 22.7 CU. FT. (0,64 CU. M.)**  
**\*ADD 15 LBS. (6,8 KG.) W/EACH SPOOL FLANGE**



NOTE: OPTIONAL ASA OR DIN STANDARD SUCITON & DISCHARGE SPOOL FLANGES AVAILABLE.



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