



BASIC SELF-PRIMING CENTRIFUGAL PUMP



Model: T3A3S-B

Various Patents Apply

PUMP SPECIFICATIONS

Size	3" x 3" (76 mm x 76 mm) NPT - Female
Impeller Type	Semi-Open, Two Vane
Solids-Handling Capability	2 1/2" (63,5 mm) Spherical Diameter
Seal Type	Cartridge Type, Mechanical, Oil-Lubricated, Double Floating, Self-Aligning
Radial Bearing	Open Single Row Ball
Thrust Bearing	Open Single Row Ball
Bearing and Seal Cavity Lubrication	SAE 30 Non-Detergent Oil
Maximum Operating Pressure	86 psi (593 kPa)*
Max Temp of Liquid Pumped	160°F (71°C).*

PUMP MATERIALS

Casing	Gray Iron 30
Impeller	Ductile Iron 65-45-12
Impeller Shaft	Alloy Steel 4150
Shaft Sleeve	Alloy Steel 4130
Seal: Stationary Face	Tungsten Titanium Carbide
Rotating Face	Tungsten Titanium Carbide
Elastomer	Fluorocarbon FKM, (Viton® or Equivalent)
Replaceable Wear Plate:	Carbon Steel 1015
Removable Adjustable Cover Plate	Gray Iron 30
Removable Inspection Cover Plate	Gray Iron 30 – 12 lbs. (5,4 kg.)
Flap Valve	Neoprene with Nylon and Steel Reinforcing
Seal Plate	Gray Iron 30
Bearing Housing	Gray Iron 30
Flanges	Gray Iron 30
Gaskets	Buna-N, with Compressed Synthetic Fiber, Vegetable Fiber, PTFE, Cork and Rubber
O-Rings	Buna-N
Hardware	Standard Plated Steel

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

**Standard Equipment:** 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, Drain Kit, Gauge Kit. Suction and Discharge Spool Flanges:

- 3" ASA (Specify Model T3A3S-B /F)
- 80 mm DIN 2527 – PN 16 (Specify Model T3A3S-B /FM).



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

Super T Series Features and Benefits

**Easy To Service And Maintain** - Pump is mounted above liquid being pumped with only the suction line down in liquid.

**Dual Bearing Protection** – An atmospheric barrier along with two lip seals provide additional protection of the pump bearings (not available on 2" models).

**Inspection Cover** – Patented, lightweight inspection cover for easy access to the impeller without removing the entire backcover plate or piping. (2" – 8" models)

5 Year Super T Series Warranty

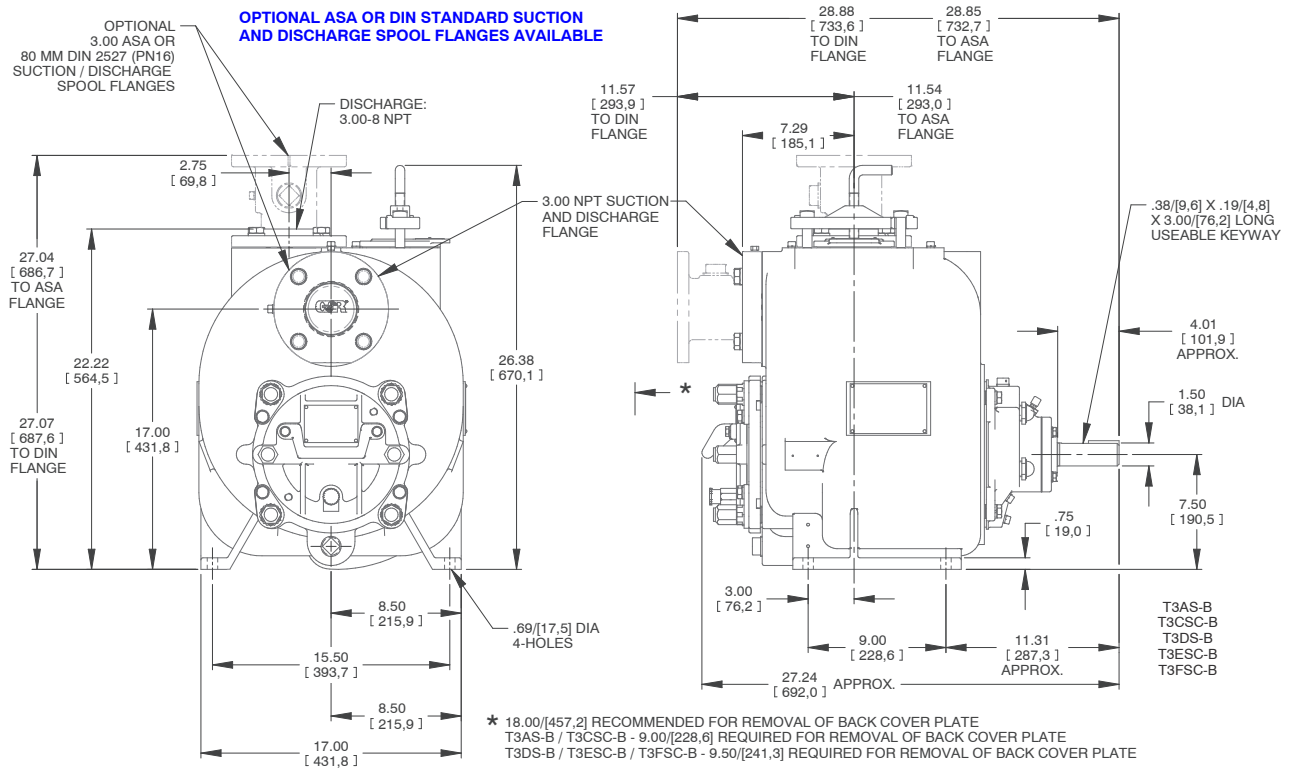
**Up To 3" Diameter Spherical Solids Handling** (4" – 10" models).

**Removable Rotating Assembly** – The entire rotating assembly can be removed without disturbing the pump volute or piping allowing the rotating assembly to be easily repaired or quickly replaced with a new ready to drop in assembly.

### APPROXIMATE DIMENSIONS AND WEIGHTS

<b>NET WEIGHT</b>	425 LBS. (193 KG.)*
<b>SHIPPING WEIGHT</b>	460 LBS. (209 KG.)*
<b>EXPORT CRATE</b>	13.6 CU. FT. (0.39 CU. M.)

\*Add 10 LBS. (4,5 KG.) w/each spool flange



\* 18.00/[457,2] RECOMMENDED FOR REMOVAL OF BACK COVER PLATE  
 T3AS-B / T3CSC-B - 9.00/[228,6] REQUIRED FOR REMOVAL OF BACK COVER PLATE  
 T3DS-B / T3ESC-B / T3FSC-B - 9.50/[241,3] REQUIRED FOR REMOVAL OF BACK COVER PLATE

