

SPECIFICATION DATA



G-R HARD IRON FITTED BASIC SELF-PRIMING CENTRIFUGAL PUMP



Model: T10A71S-B

Various Patents Apply

PUMP SPECIFICATIONS

Size	10" x 10" (254 mm x 254 mm) Flanged
Impeller Type	Semi-Open, Two Vane
Solids-Handling Capability	3" (76,2 mm) Spherical Diameter
Seal Type	Cartridge Type, Mechanical, Oil-Lubricated, Double Floating, Self-Aligning
Radial Bearing	Open Double Row Ball
Thrust Bearing	Open Double Row Ball
Bearing and Seal Cavity Lubrication	SAE 30 Non-Detergent Oil
Maximum Operating Pressure	99 psi (683 kPa)*
Max Temp of Liquid Pumped	160°F (71°C).*

PUMP MATERIALS

Casing	Gray Iron 30
Impeller	G-R Hard Iron
Impeller Shaft	Stainless Steel 17-4 PH
Shaft Sleeve	Alloy Steel 4130
Seal: Stationary Face	Silicon Carbide
Rotating Face	Silicon Carbide
Elastomer	Fluorocarbon FKM, (Viton® or Equivalent)
Replaceable Front Wear Plate:	Hardened Alloy Steel
Replaceable Rear Wear Plate:	Hardened Alloy Steel
Removable Clean-out Cover Plate	Gray Iron 30 - 9 lbs. (4 kg.)
Flap Valve	Neoprene with Steel Reinforcing
Seal Plate	G-R Hard Iron
Bearing Housing	Gray Iron 30
Suction Flange	Gray Iron 30
Suction Head	Gray Iron 30
Gaskets	Buna-N, 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, Continuous Vane G-R Hard Iron Impeller.

Suction and Discharge Spool Flanges:

10" ASA (Specify Model T10A71S-B /F)

250 mm DIN 2527 – PN 16 (Specify Model T10A71S-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>	1540 LBS. (699 KG.)*
<b>SHIPPING WEIGHT</b>	1610 LBS. (730 KG.)*
<b>EXPORT CRATE</b>	55.5 CU. FT. (1,57 CU. M.)

\*Add 71 LBS. (32,2 KG.) w/each discharge spool flange

