## **SPECIFICATION DATA**

Section 55 | Page 2077 January 2023



# Model: T3D71S-B

MDS

GORMAN-RUP

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	1 1/2" (38,1 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	98 psi (676 kPa)*
Max Temp of Liquid Pumped	160°F (71°C).*
PUMP MATERIALS	
Casing	Gray Iron 30
Impeller	G-R Hard Iron
Impeller Shaft	Alloy Steel 4150
Shaft Sleeve	Alloy Steel 4130
Seal: Stationary Face Rotating Face Elastomer	Silicon Carbide Silicon Carbide Fluorocarbon FKM, (Viton® or Equivalent)
Replaceable Wear Plate:	Hardened Alloy Steel
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 Reinforc- ing
Seal Plate	G-R Hard Iron
Bearing Housing	Gray Iron 30
Flanges	Gray Iron 30
Casketa	Buna-N, Compressed Synthetic Fiber, Vege-

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

 Flanges
 Gray Iron 30

 Gaskets
 Buna-N, Compressed Synthetic Fiber, Vege table Fiber, PTFE, Cork and Rubber

 O-Rings
 Buna-N, Fluorocarbon (Viton® or Equivalent)

 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, 120V/240V Casing Heater, High Pump Temperature Shutdown Kit, G-R Hard Iron Casing, High Chrome Cast Iron Impeller, Drain Kit, Gauge Kit.

Suction and Discharge Spool Flanges:

3" ASA (Specify Model T3D71S-B /F)

80 mm DIN 2527 - PN 16 (Specify Model T3D71S-B /FM).

### GORMAN-RUPP PUMPS | GRPUMPS.COM

© 2024 The Gorman-Rupp Company. Specifications subject to change without notice



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.

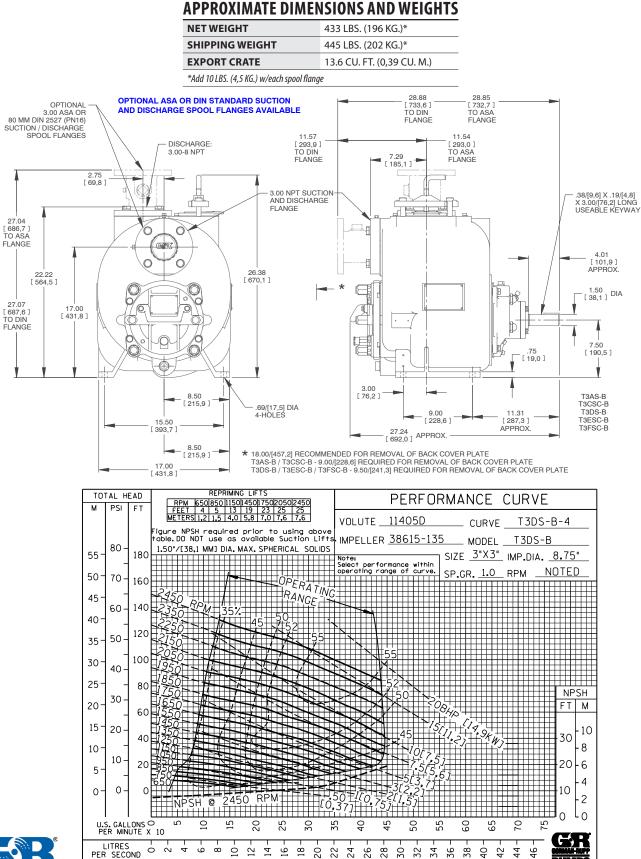
**Dual Bearing Protection** – An atmospheric barrier along with two lip seals provide additional protection of the pump bearings (not available on 2" models).

**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.



ώ

0 12

14 16 18

20

7-8

22 24 26 28

> 6 <u>|</u>

Ň

Т 2 М 4 5-6

0

CUBIC METRES



#### **GORMAN-RUPP PUMPS** GRPUMPS.COM

17

C-10-20-R

46

© 2024 The Gorman-Rupp Company. Specifications subject to change without notice

42 44

15-16-

40

34

12-

36

13-14-

30 32

11-

38