## **Basic Pump**

Sec. 55

**PAGE 980 JANUARY 2016** 



# Self Priming Centrifugal Pump

# **Model T2A3-B**

VARIOUS PATENTS APPLY

Size 2" x 2"

#### **PUMP SPECIFICATIONS**

Size: 2" x 2" (51 mm x 51 mm) NPT - Female. Casing: Gray Iron 30.

Maximum Óperating Pressure 79 psi (545 kPa).\*

Semi-Open Type, Two Vane Impeller: Ductile Iron 65-45-12. Handles 1 1/2" (38,1 mm) Diameter Spherical Solids.

Impeller Shaft: Alloy Steel 4150. Shaft Sleeve: Alloy Steel 4130.

Replaceable Wear Plate: Carbon Steel 1026

Removable Cover Plate: Gray Iron 30; 13.6 lbs. (6 kg).

Seal Plate: Gray Iron 30.

Externally Replaceable Flap Valve: Neoprene W/Steel Reinforcing.

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, Vegetable Fiber, Cork and Rubber.

O-Rings: Buna-N.

Internal Wetted Hardware: Standard Plated Steel.

External Hardware: Standard Plated Steel.

**Brass Pressure Relief Valve.** 

Bearing and Seal Cavity Oil Level Sight Gauges.

Optional Equipment: Automatic Air Release Valve.

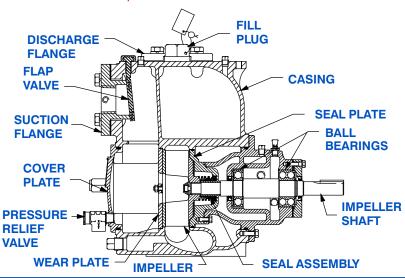
120V/240V Casing Heater. High Pump Temperature
Shutdown Kit. GR Hard Iron Seal Plate. Hardened
Steel Wear Plate. Permalon Seal. Self-Cleaning Wear Plate.

Gray Iron 30 Suction and Discharge Spool Flanges:

2" ASA (Specify Model T2A3-B /F).

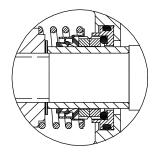
50 mm DIN 2527 (PN 16) (Specify Model T2A3-B /FM).

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





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



#### SEAL SPECIFICATIONS

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

### **Specification Data**

**SECTION 55, PAGE 980** 

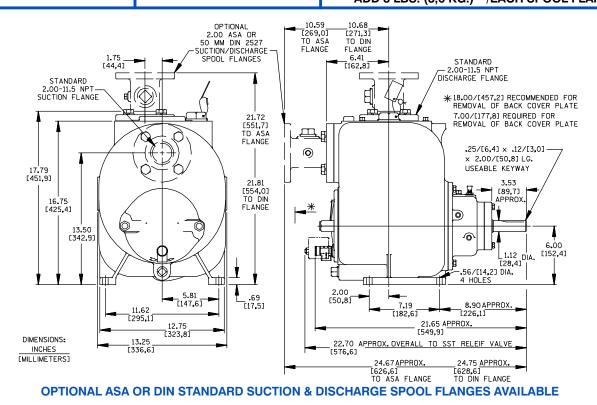
# APPROXIMATE DIMENSIONS and WEIGHTS

NET WEIGHT: 210 LBS. (95 KG.)\*

SHIPPING WEIGHT: 220 LBS. (10 KG.)\*

EXPORT CRATE: 7.9 CU. FT. (0,22 CU. M.)

\*ADD 8 LBS. (3,6 KG.) W/EACH SPOOL FLANGE



TOTAL HEAD PERFORMANCE CURVE RPM 1150 1450 1750 2050 2350 2650 2900 FEET 10 19 24 24 24 24 24 METERS 3,1 5,8 7,3 7,3 7,3 7,3 7,3 7,3 PSI FT VOLUTE 38224-418 CURVE \_ T2A-B-1 IMPELLER 38615-093 MODEL T2A-B .50"/[38.1 MM] DIA, MAX, SPHERICAL SOLIDS 140 60-SIZE 2"X2" IMP.DIA. 6.38" 40-56 130 SP.GR. 1.0 RPM NOTED 52 120 36 48 110 32 44 100 28-40 90 36 80 24 32 70 20-28 60 24 **NPSH** 16 50 20 40 12-16 30<sup>H0</sup> 30 12-- 8 8-20 - 6 8-10 - 4 10 4-NPSH @ 2900 RPM - 2 L٥ ه لم U.S.GALLONS 10 12 14 16 16 18 18 20 22 22 22 28 28 30 36 88 6 32 34 PER MINUTE X 10 LITRES PER SECOND 12-16 18 21 6



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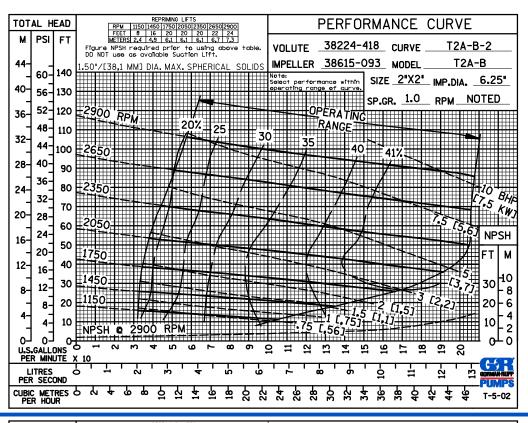
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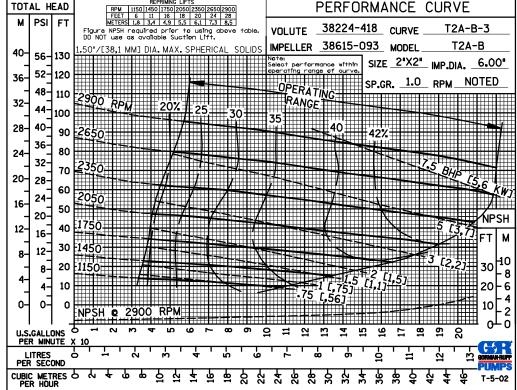
Sec. 55

PAGE 988.1 JANUARY 2016

MULTI-SPEED PERFORMANCE BASED ON WATER TRIMMED IMPELLER



MULTI-SPEED PERFORMANCE BASED ON WATER TRIMMED IMPELLER





### **GORMAN-RUPP PUMPS**

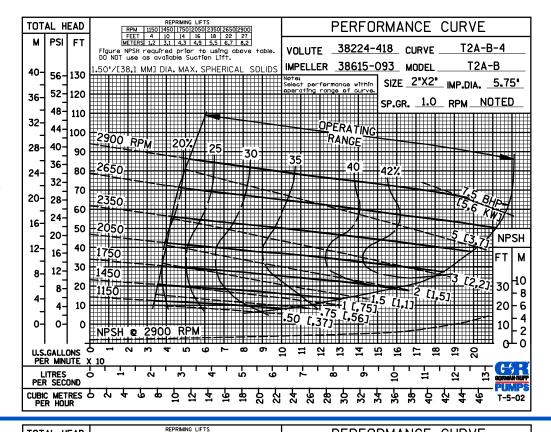
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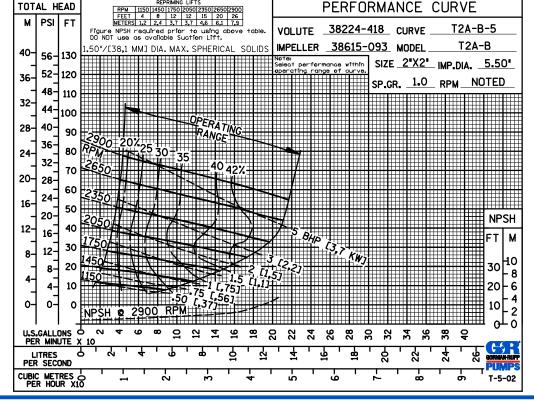
Sec. 55

PAGE 988.2 JANUARY 2016

MULTI-SPEED PERFORMANCE BASED ON WATER TRIMMED IMPELLER



MULTI-SPEED PERFORMANCE BASED ON WATER TRIMMED IMPELLER





### **GORMAN-RUPP PUMPS**

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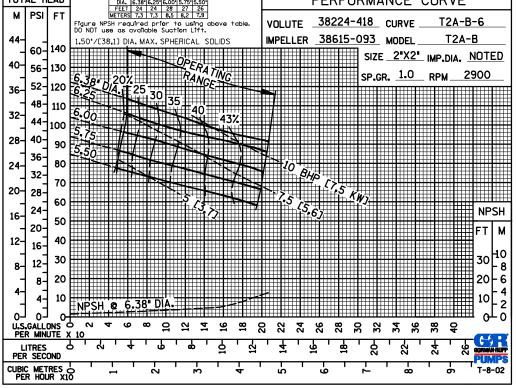
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Sec. 55

**PAGE 988.3 JANUARY 2016** 

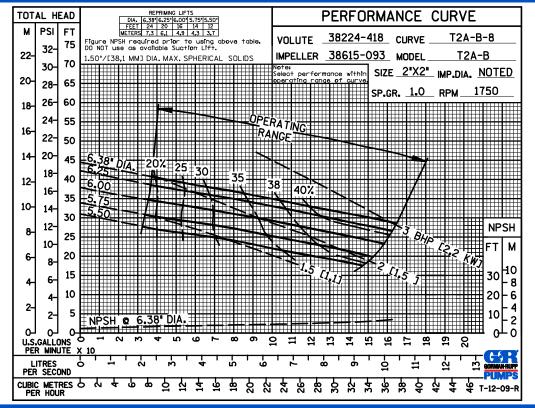


**PERFORMANCE BASED ON** WATER **TRIMMED IMPELLER** 



**PERFORMANCE BASED ON TRIMMED IMPELLER** 

WATER





### **GORMAN-RUPP PUMPS**

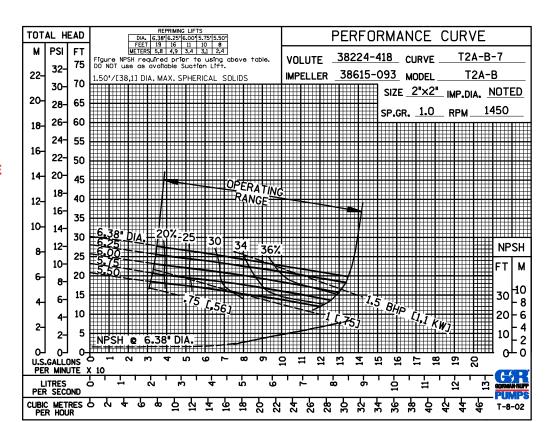
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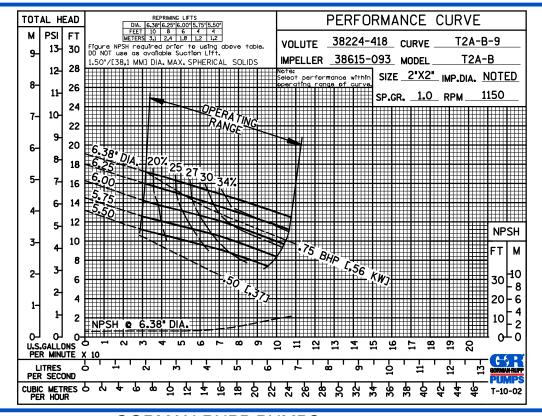
Sec. 55

PAGE 988.4 JANUARY 2016

PERFORMANCE BASED ON WATER TRIMMED IMPELLER



PERFORMANCE BASED ON WATER TRIMMED IMPELLER





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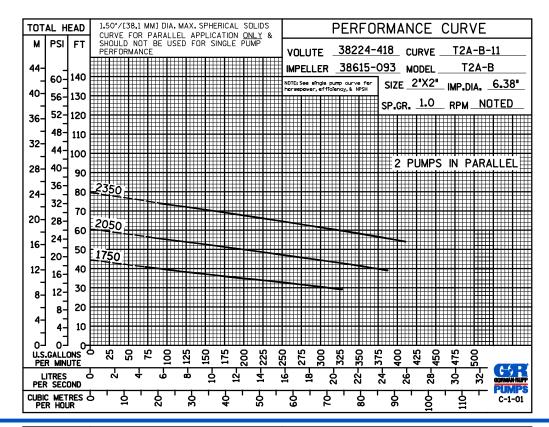
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Sec. 55

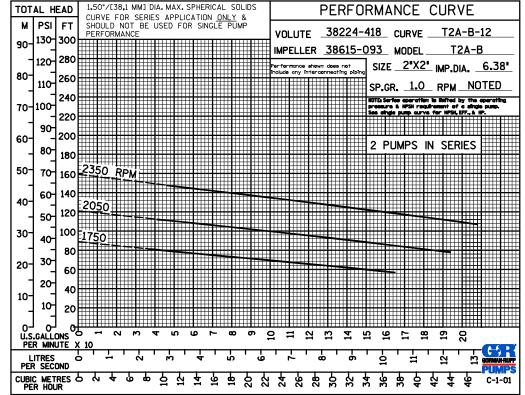
PAGE 988.5 JANUARY 2016

PERFORMANCE BASED ON WATER PUMPS IN

**PARALLEL** 



PERFORMANCE BASED ON WATER PUMPS IN SERIES





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