

DS

Self Priming Centrifugal Pump

**Super
T SERIES**
VARIOUS PATENTS APPLY

Model T4B3S-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 97 psi (669 kPa).*

Semi-Open Type, Five 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: Gray Iron 30.

Removable Adjustable Cover Plate: Gray Iron 30; 42 lbs. (19 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: 125# Gray Iron 30.

Gaskets: Buna-N, 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: Stainless Steel 316 Pressure Relief

Valve. Automatic Air Release Valve. 120V/240V Casing Heater.

High Pump Temperature Shutdown Kit. G-R Hard Iron Casing.

Gray Iron 30 Suction and Discharge Spool Flanges:

4" ASA (**Specify Model T4B3S-B /F**).

100 mm DIN 2527 (PN 16) (**Specify Model T4B3S-B /FM**).

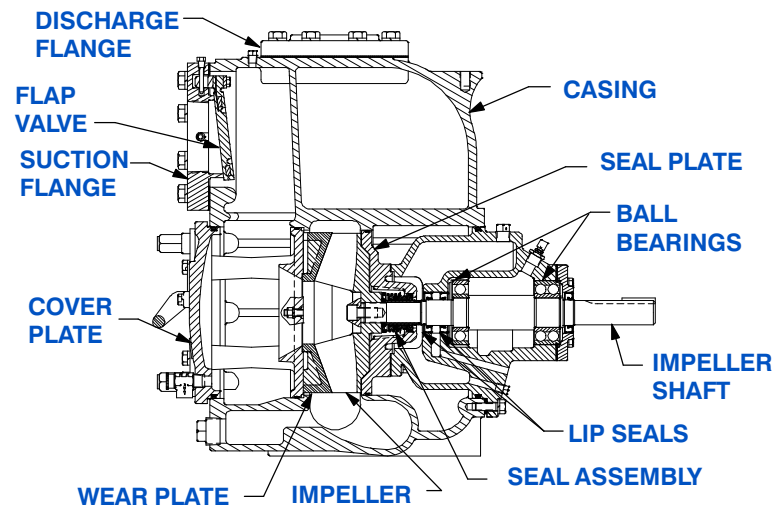
**Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.*



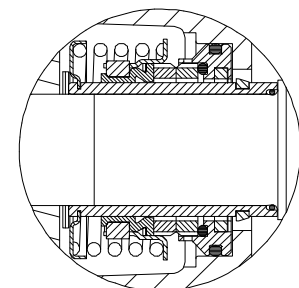
Shown with Optional Suction & Discharge Spool Flanges (Available in ASA or DIN Standard Sizes).

SEAL SPECIFICATIONS

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).*



SEAL DETAIL



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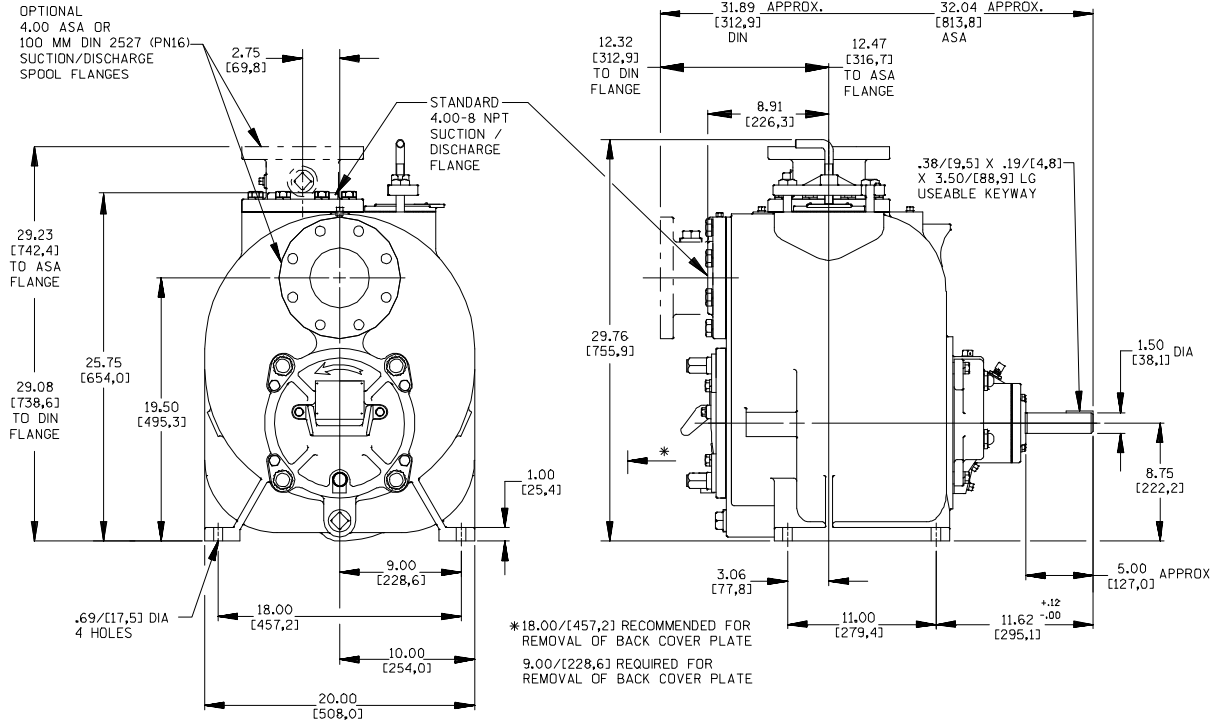
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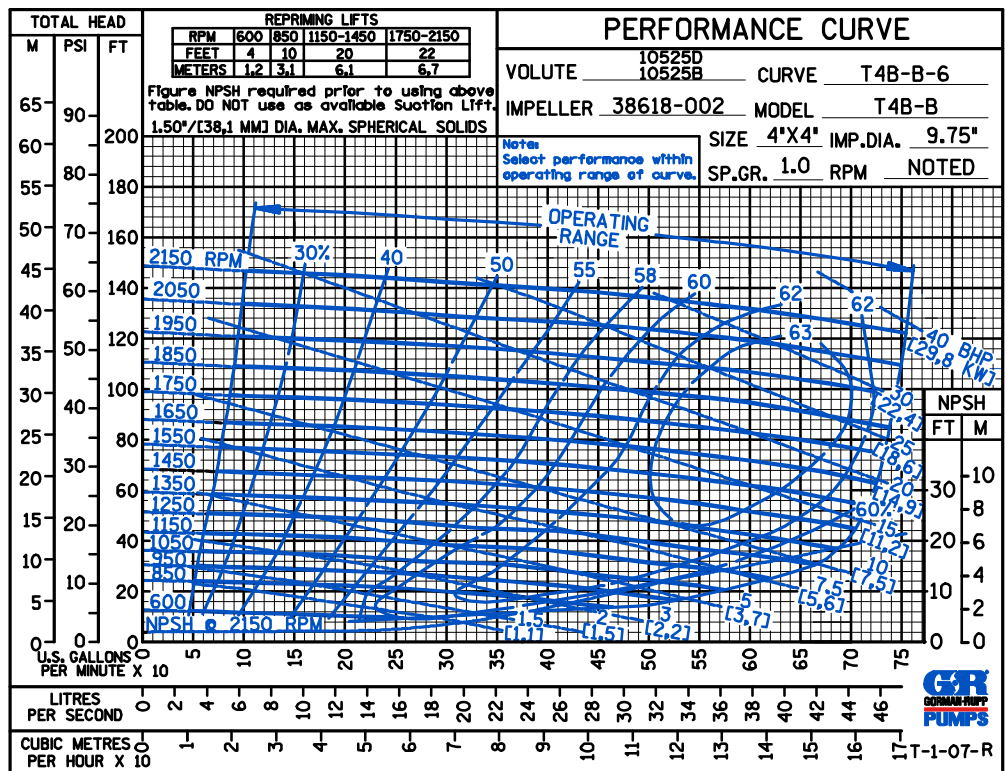
SECTION 55, PAGE 2150

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**



OPTIONAL ASA OR DIN STANDARD SUCTION & DISCHARGE SPOOL FLANGES AVAILABLE



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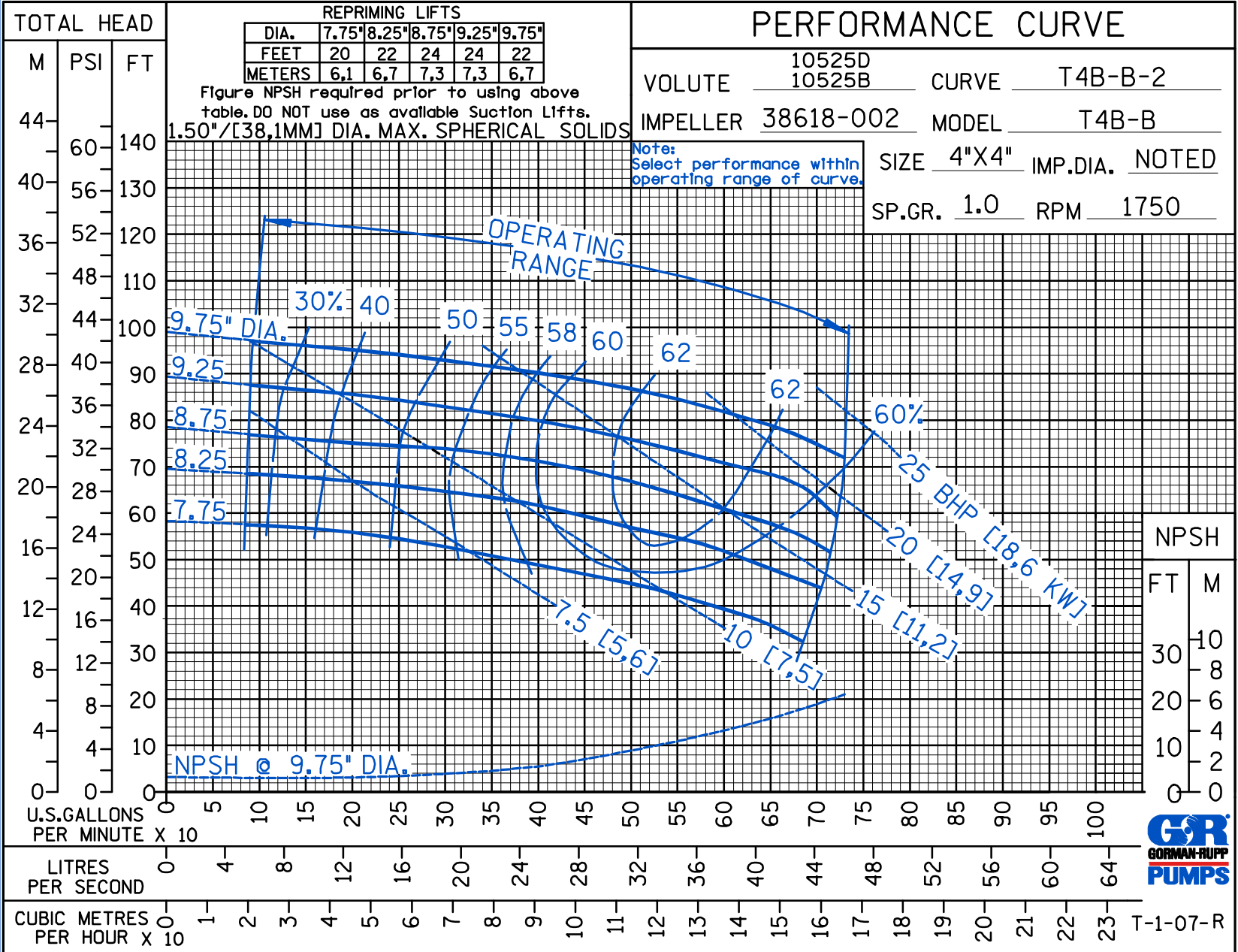
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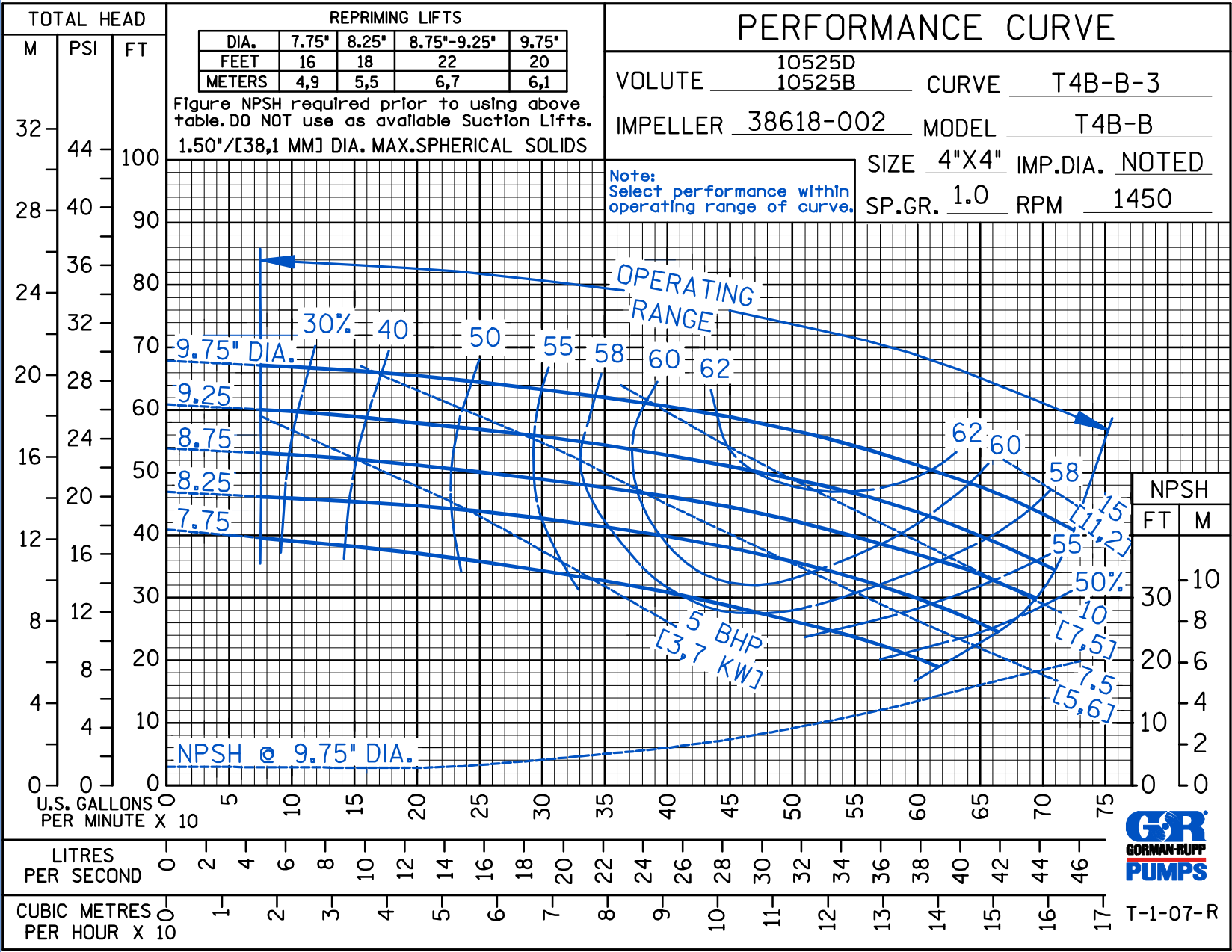




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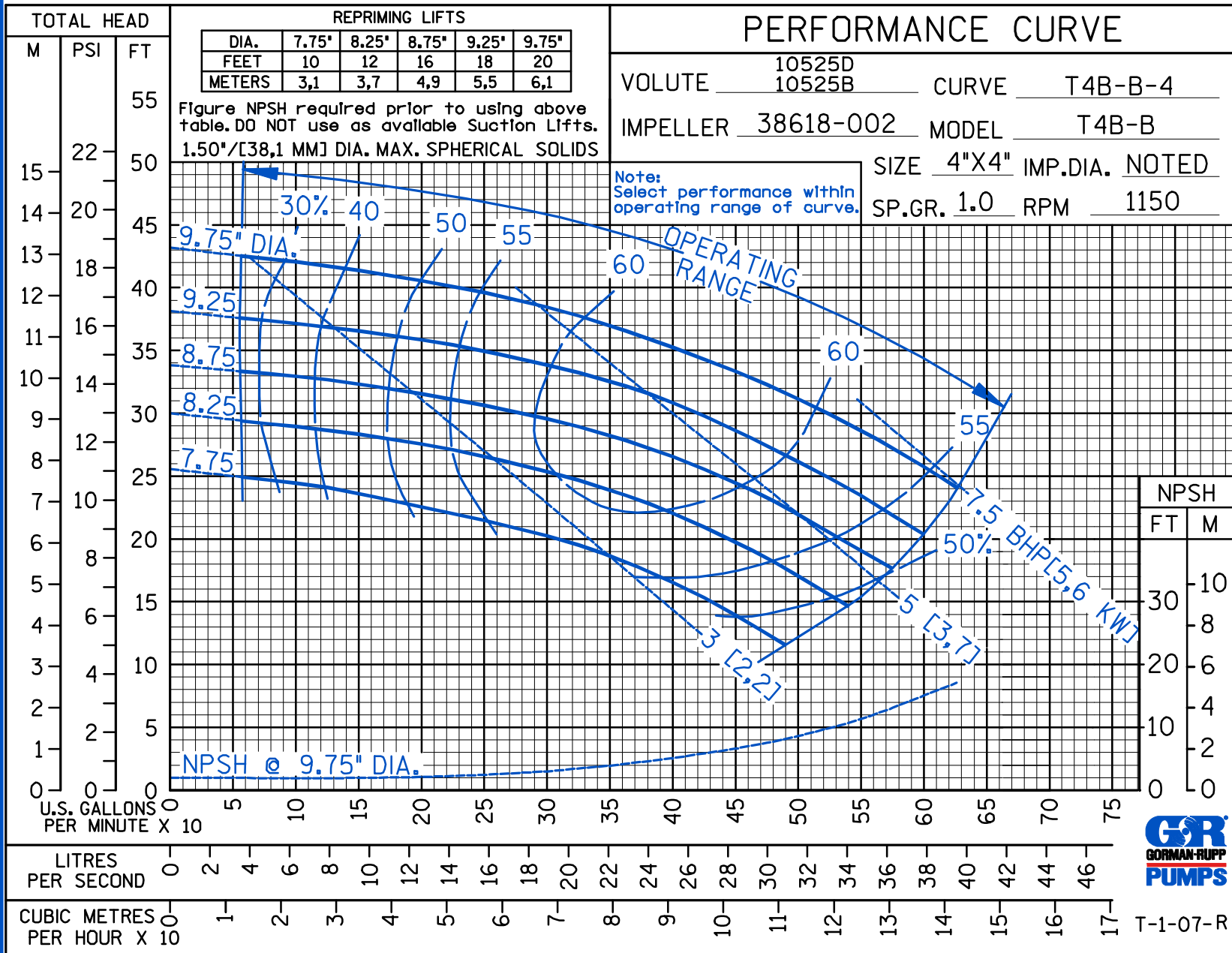


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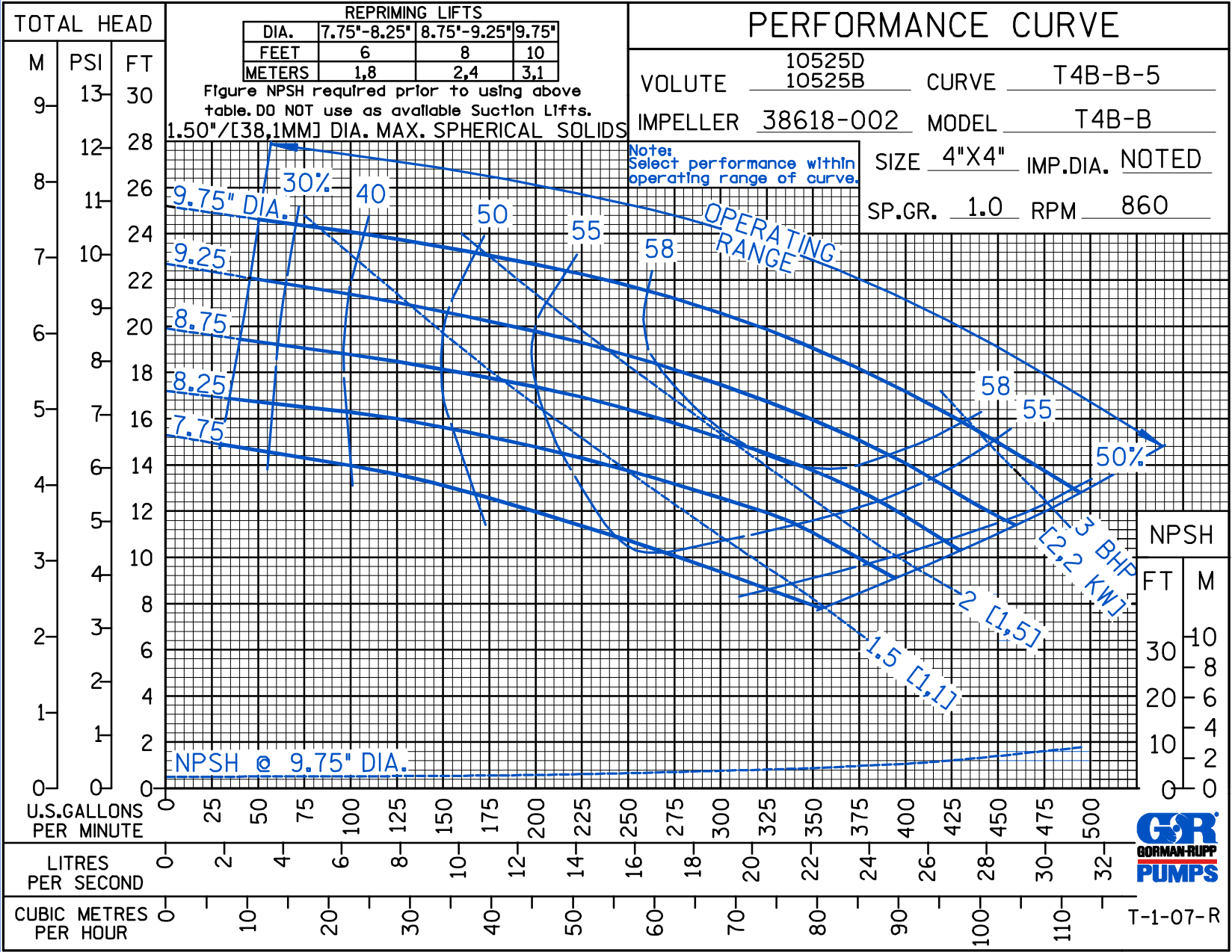


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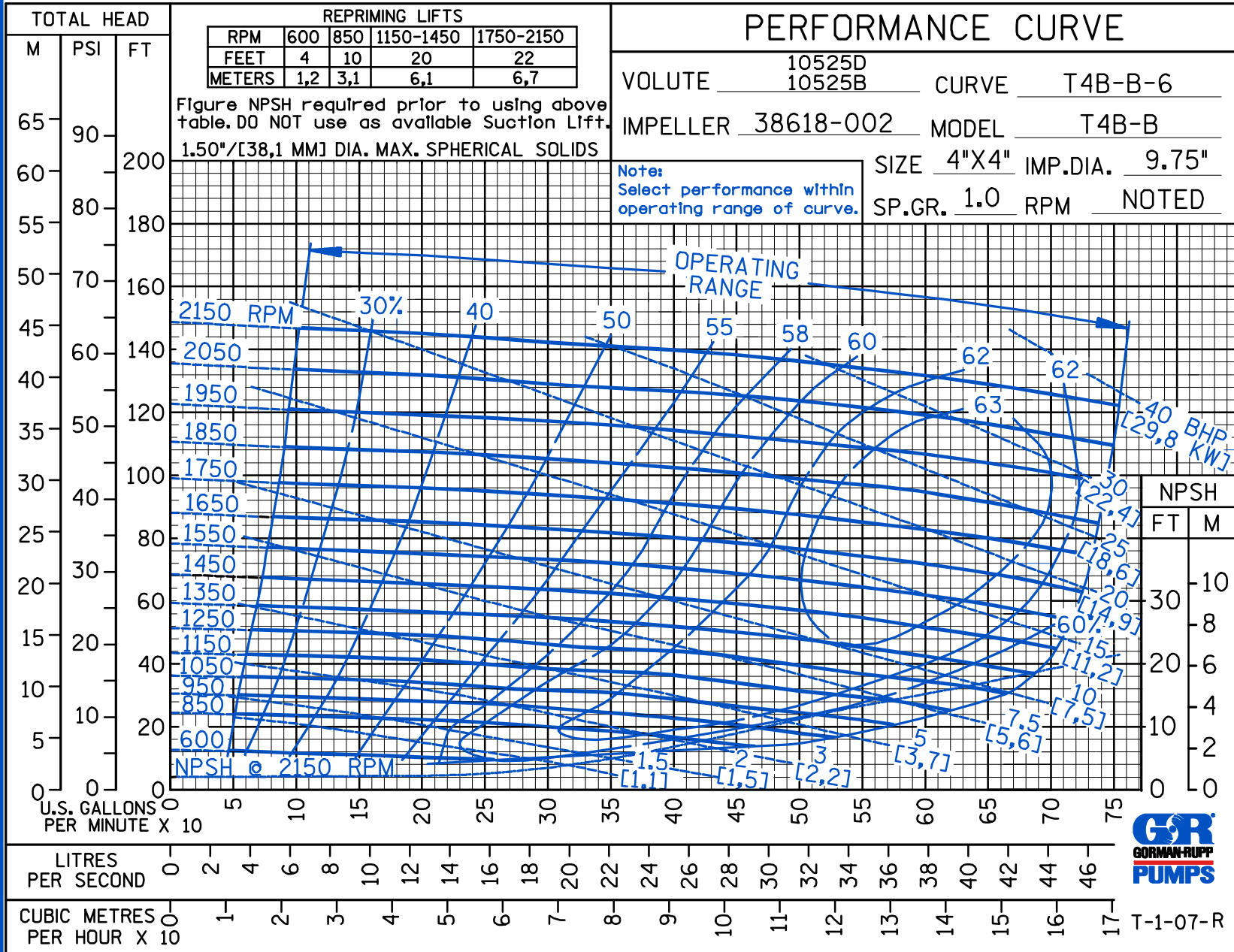
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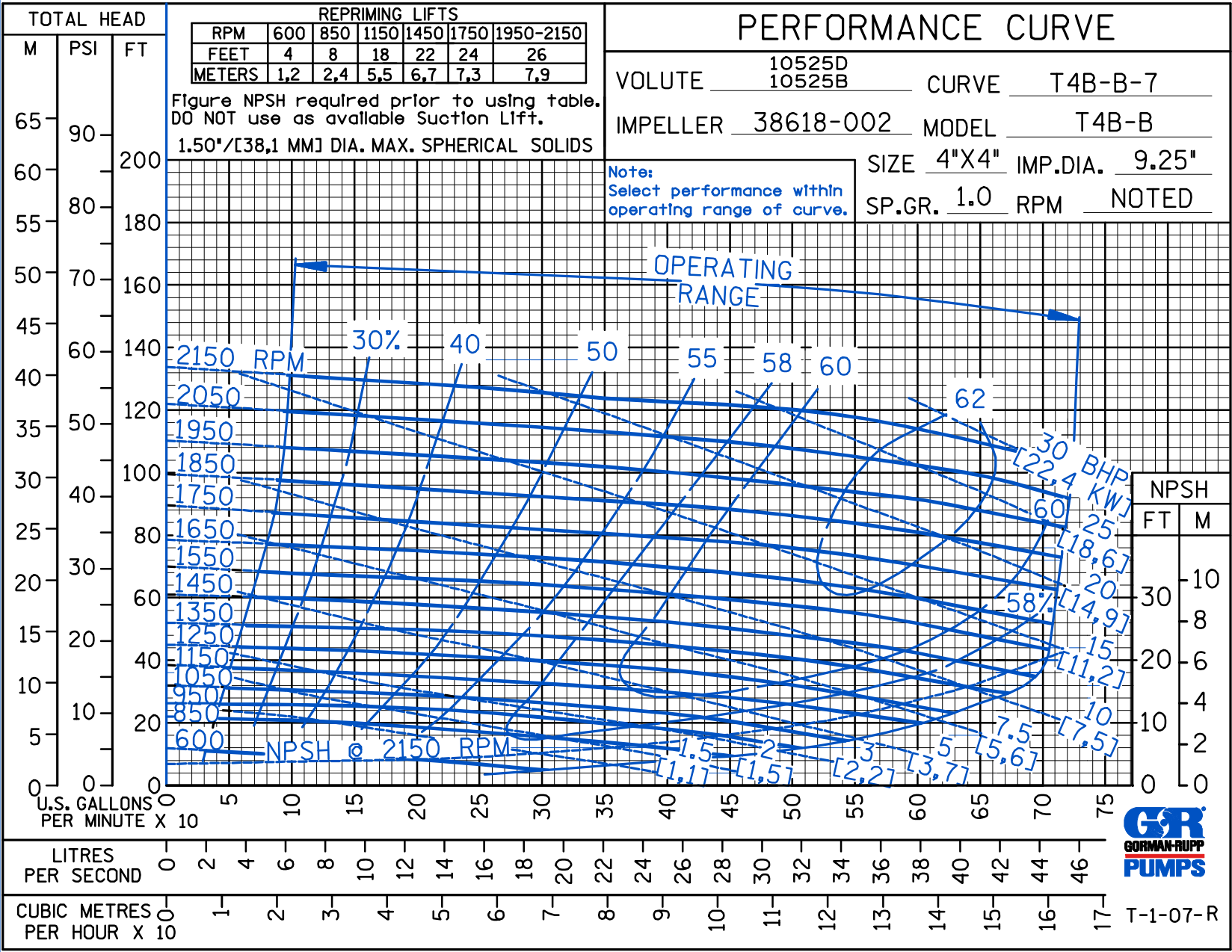


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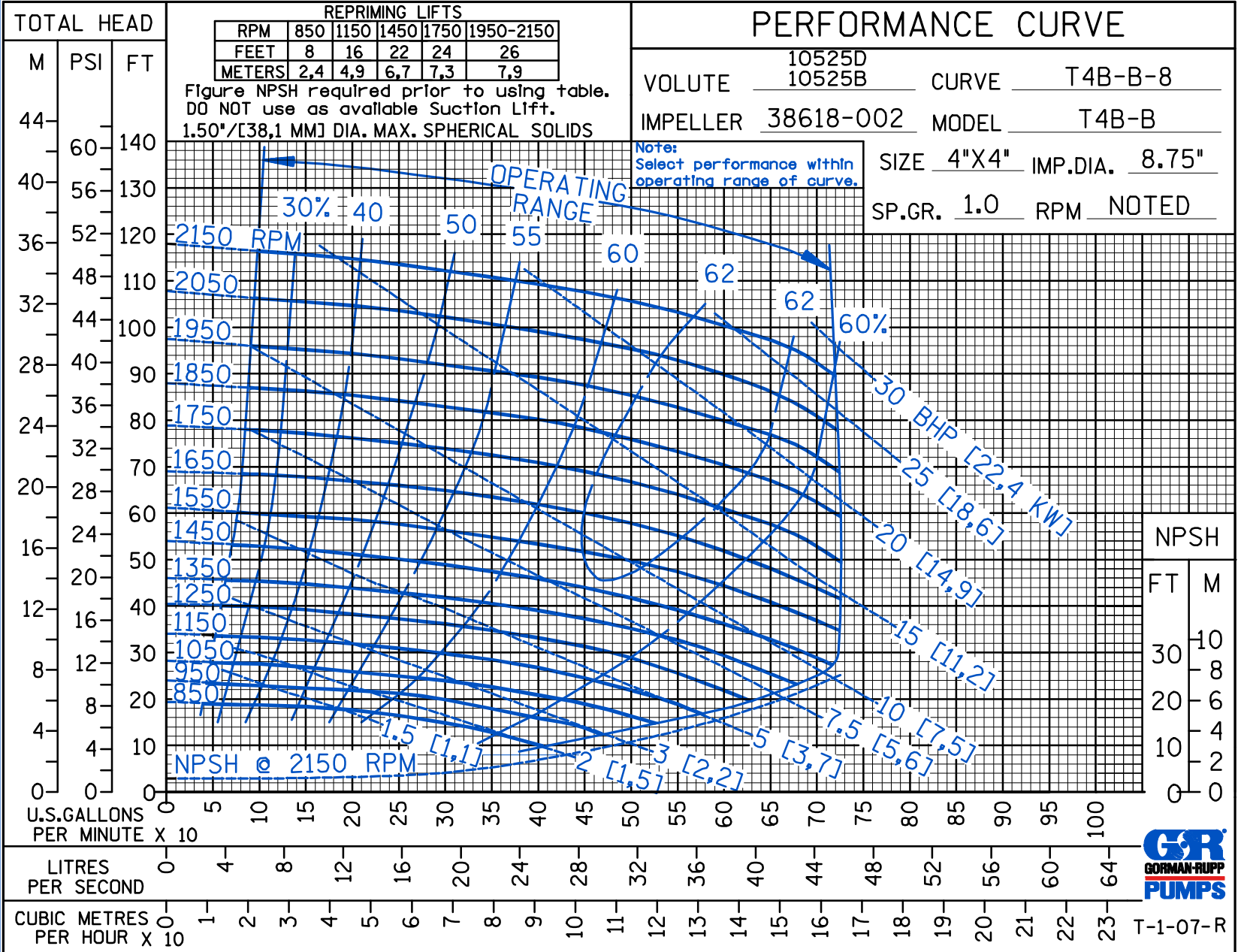
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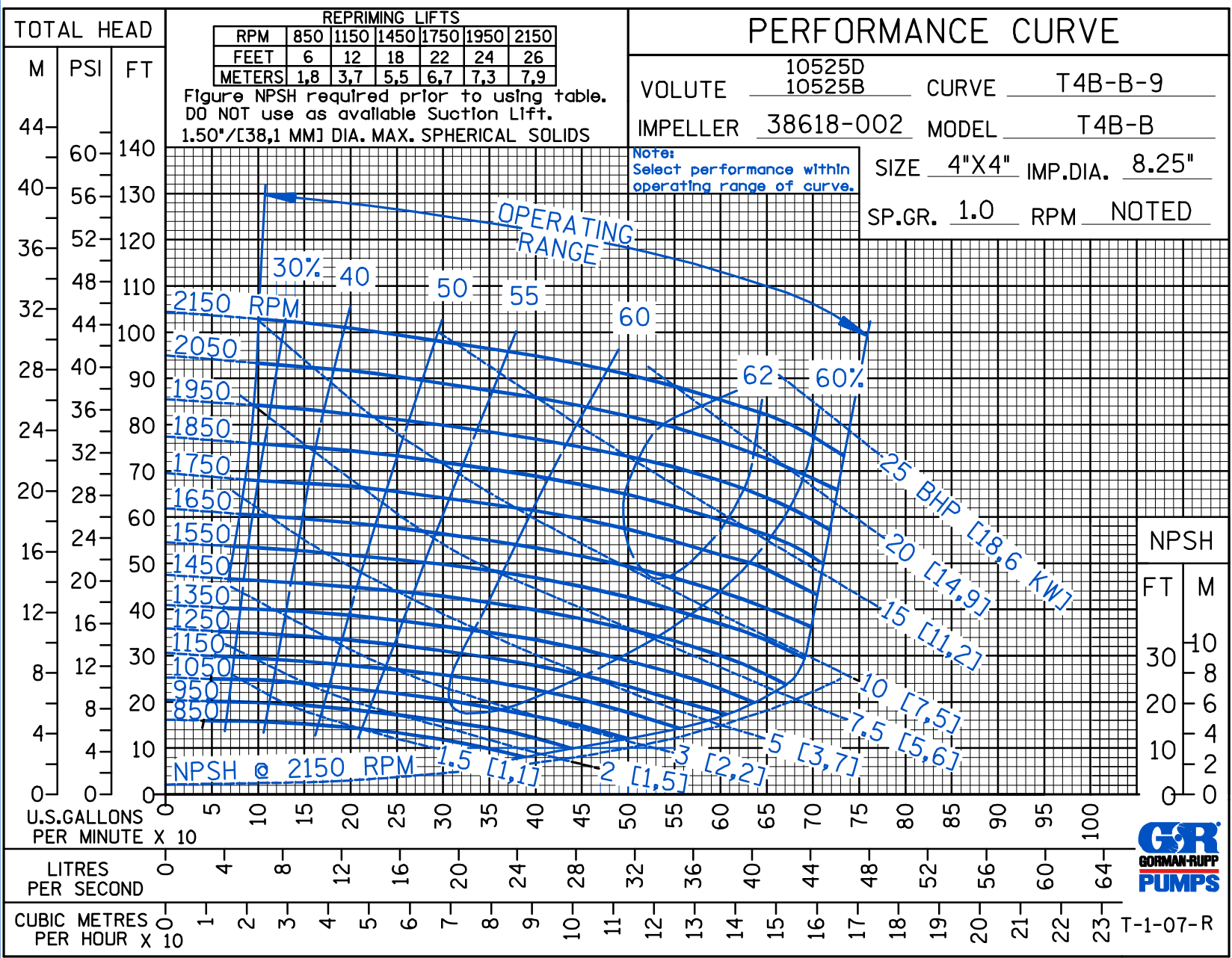
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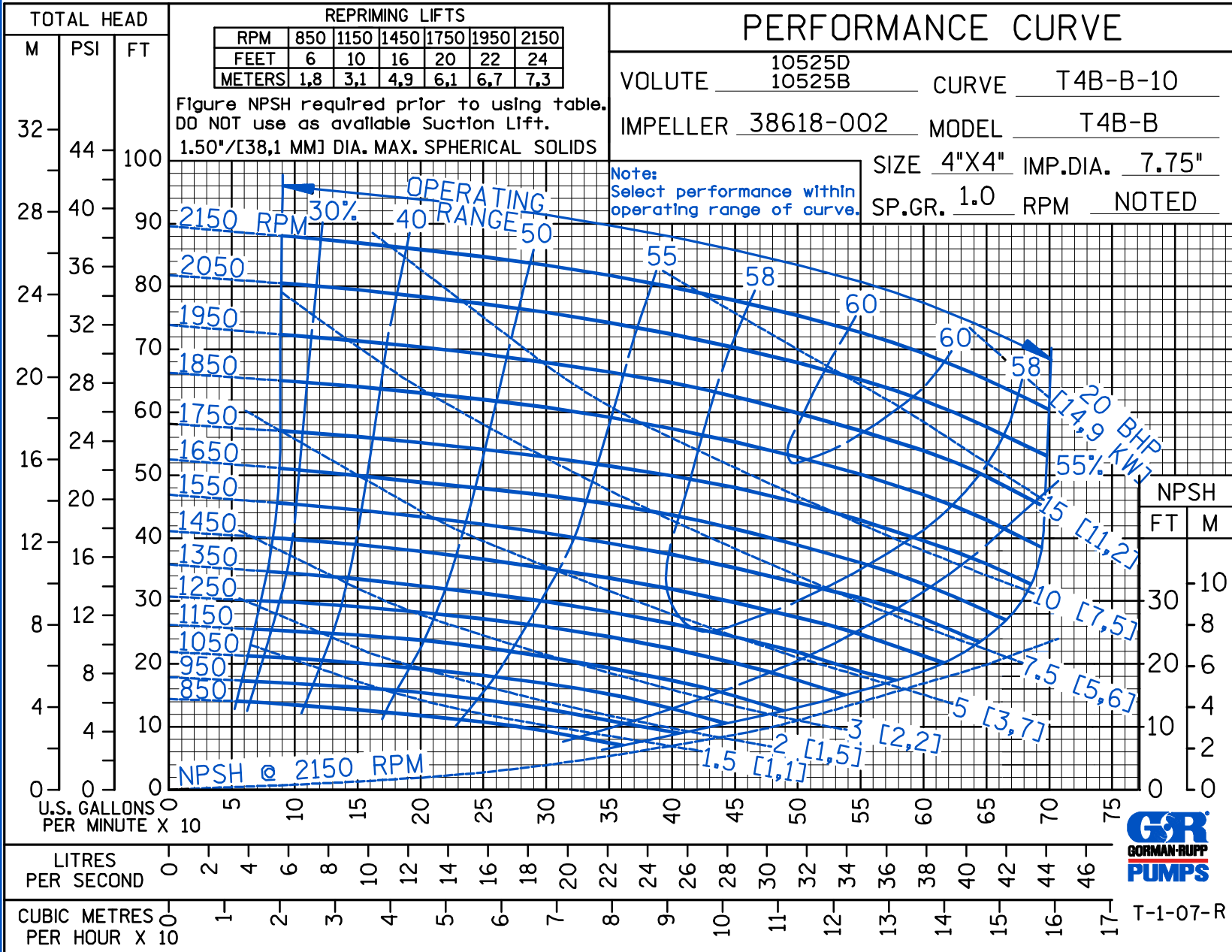
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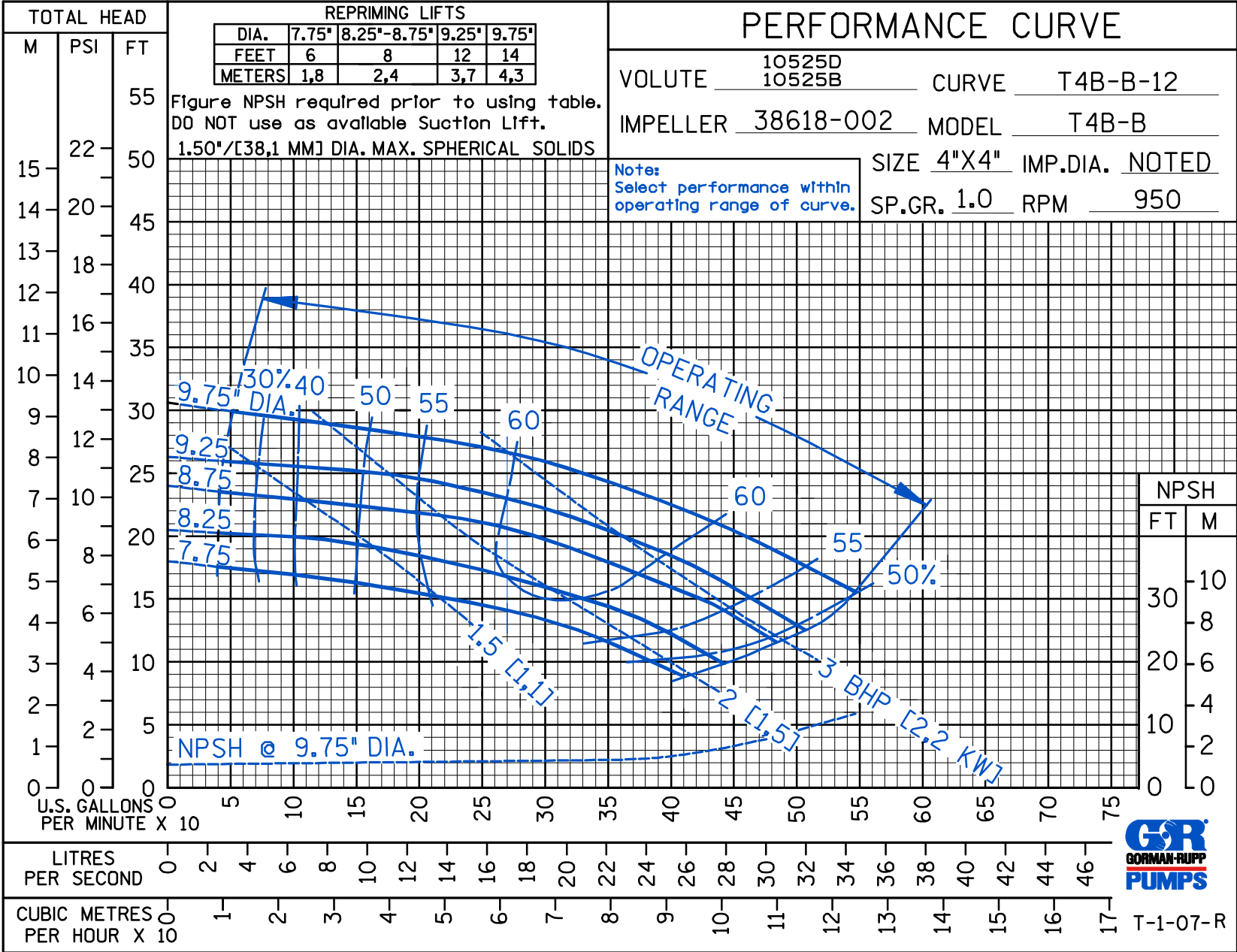


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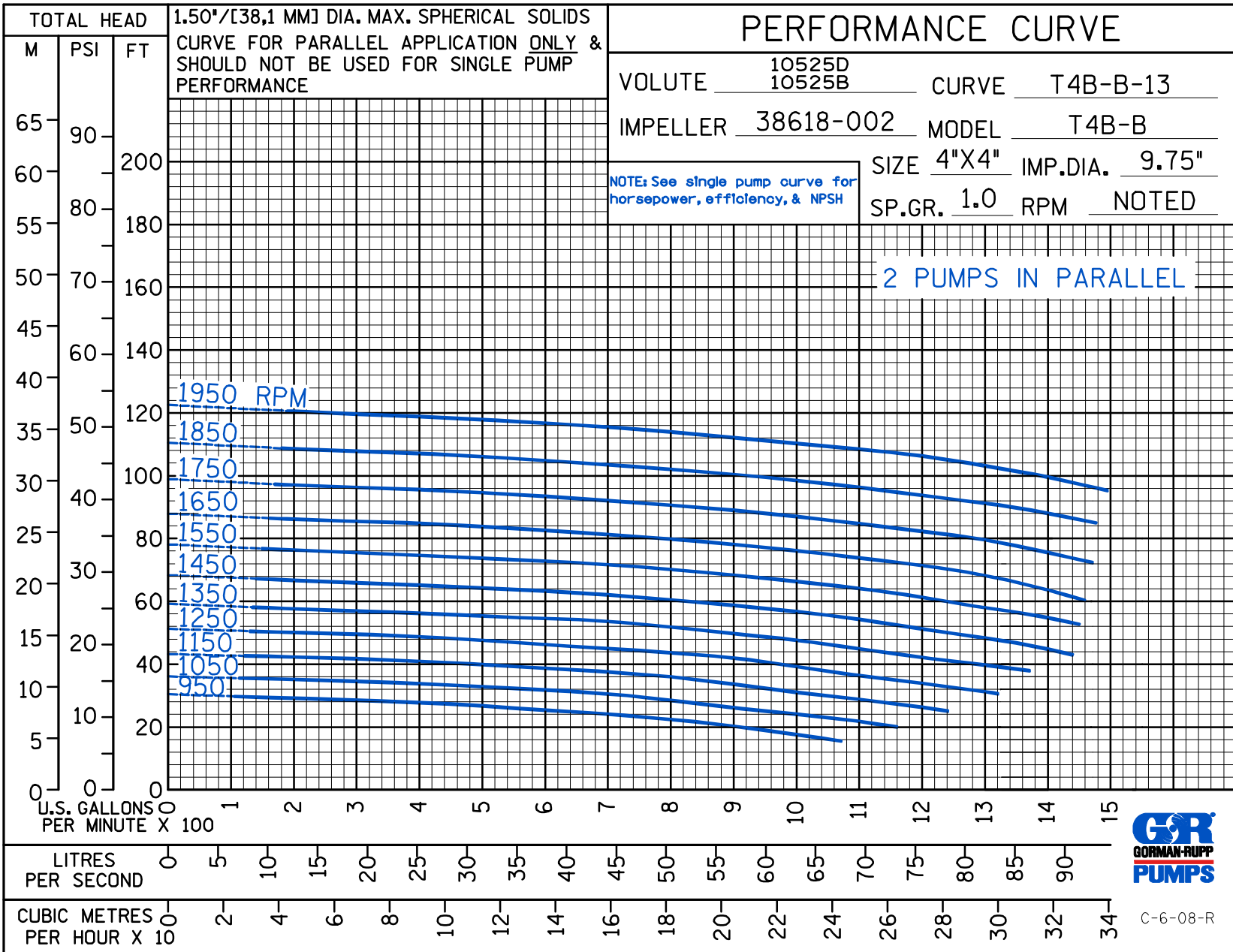
PERFORMANCE CURVE

VOLUTE 10525D
10525B CURVE T4B-B-13
IMPELLER 38618-002 MODEL T4B-B
SIZE 4"X4" IMP.DIA. 9.75"
SP.GR. 1.0 RPM NOTED

1.50"/[38,1 MM] DIA. MAX. SPHERICAL SOLIDS
CURVE FOR PARALLEL APPLICATION ONLY &
SHOULD NOT BE USED FOR SINGLE PUMP
PERFORMANCE

NOTE: See single pump curve for
horsepower, efficiency, & NPSH

2 PUMPS IN PARALLEL



C-6-08-R



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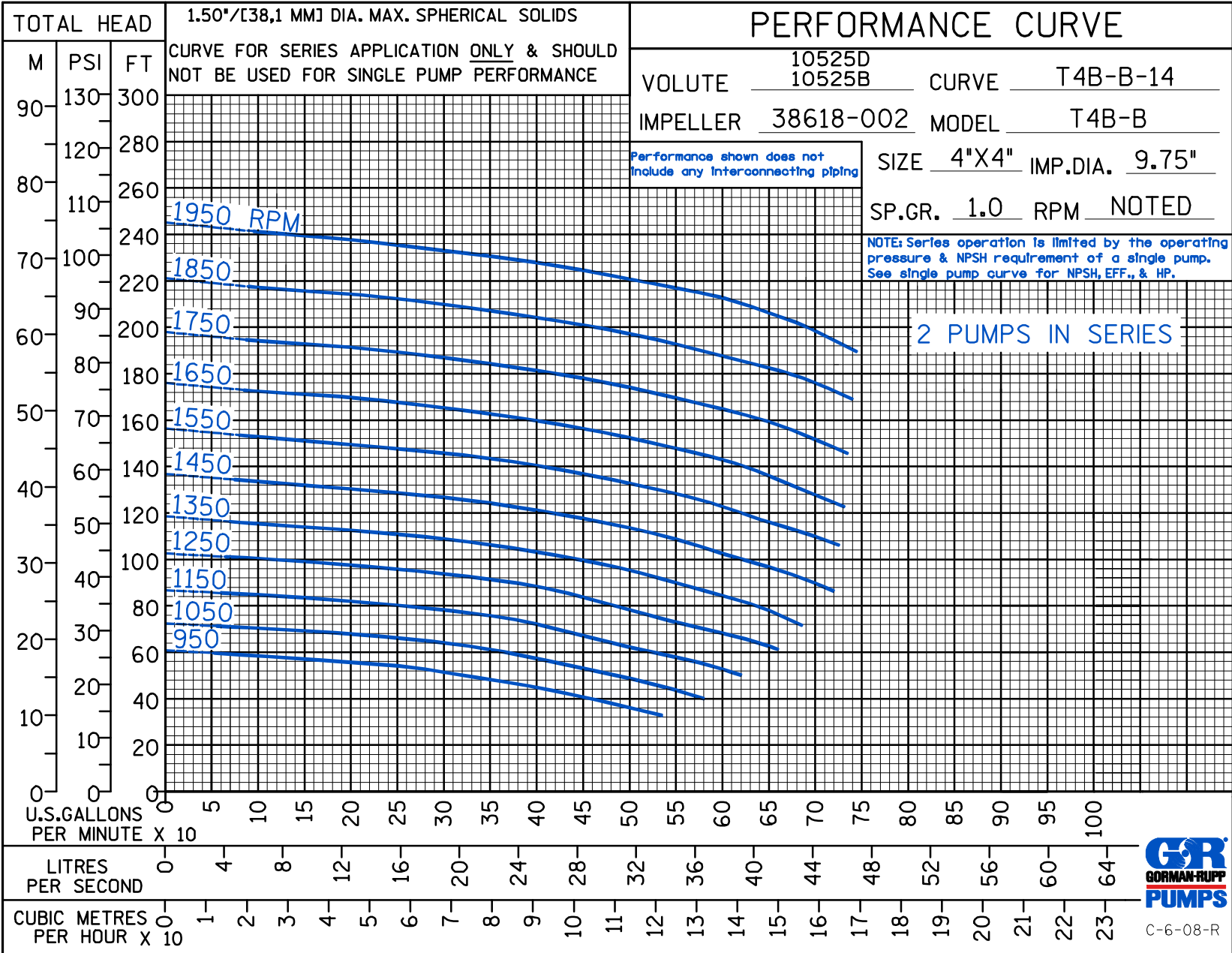
PERFORMANCE CURVE

VOLUTE 10525D
10525B CURVE T4B-B-14
 IMPELLER 38618-002 MODEL T4B-B
 SIZE 4"X4" IMP.DIA. 9.75"
 SP.GR. 1.0 RPM NOTED

Performance shown does not include any interconnecting piping

NOTE: Series operation is limited by the operating pressure & NPSH requirement of a single pump. See single pump curve for NPSH, EFF., & HP.

2 PUMPS IN SERIES



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