

CDSW

Self Priming Centrifugal Pump

**Super
T SERIES**

VARIOUS PATENTS APPLY

Model T6A61S-B

Size 6" x 6"



PUMP SPECIFICATIONS

Size: 6" x 6" (152 mm x 152 mm) NPT - Female.

Casing: Gray Iron 30.

Maximum Operating Pressure 79 psi (545 kPa).*

Semi-Open Type, Two Vane Impeller: Stainless Steel 316.

Handles 3" (76.2 mm) Diameter Spherical Solids.

Impeller Shaft: Stainless Steel 17-4 PH.

Replaceable Wear Plate: Stainless Steel 316.

Removable Adjustable Cover Plate: Gray Iron 30; 64 lbs. (29 kg).

Flap Valve: Neoprene w/Nylon and Steel Reinforcing.

Seal Plate: Stainless Steel 316.

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, PTFE, Vegetable Fiber, Cork, and Rubber.

O-Rings: Buna-N.

Internal Wetted Hardware: Stainless Steel 316.

External Hardware: Standard Plated Steel.

Pressure Relief Valve: Stainless Steel 316.

Bearing and Seal Cavity Oil Level Sight Gauges.

Optional Equipment: Metal Bellows Seal. Automatic Air

Release Valve. Stainless Steel CD4MCu Impeller, Seal

Plate and Wear Plate. 120V/240V Casing Heater. High

Pump Temperature Shutdown Kit. Self-Cleaning Wear Plate.

Gray Iron 30 Suction and Discharge Spool Flanges:

6" ASA (**Specify Model T6A61S-B /F**).

150 mm DIN 2527 (PN16) (**Specify Model T6A61S-B /FM**).

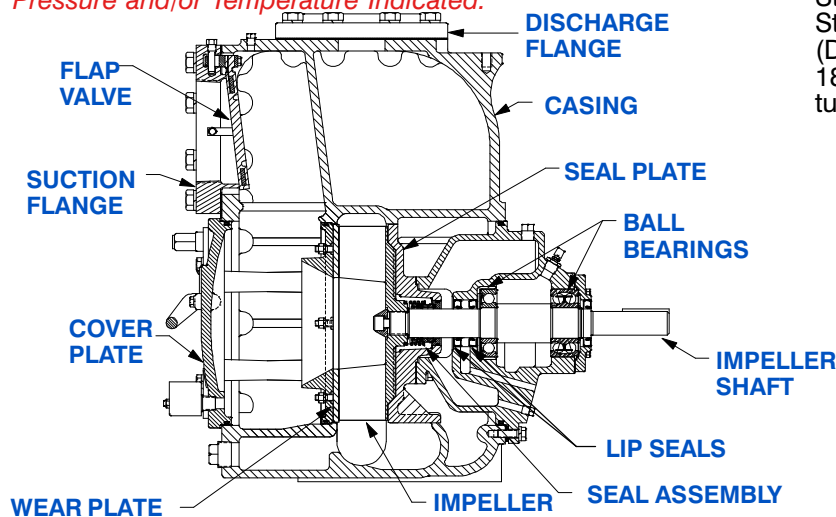
**Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.*



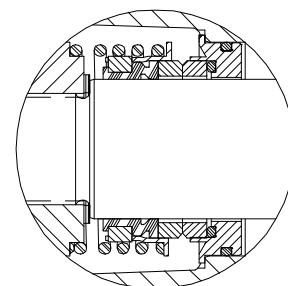
Shown with Optional Suction & Discharge Spool Flanges (Available in ASA or DIN Standard Sizes).

SEAL SPECIFICATIONS

Mechanical, Oil-Lubricated, Double Floating, Self-Aligning. Silicon 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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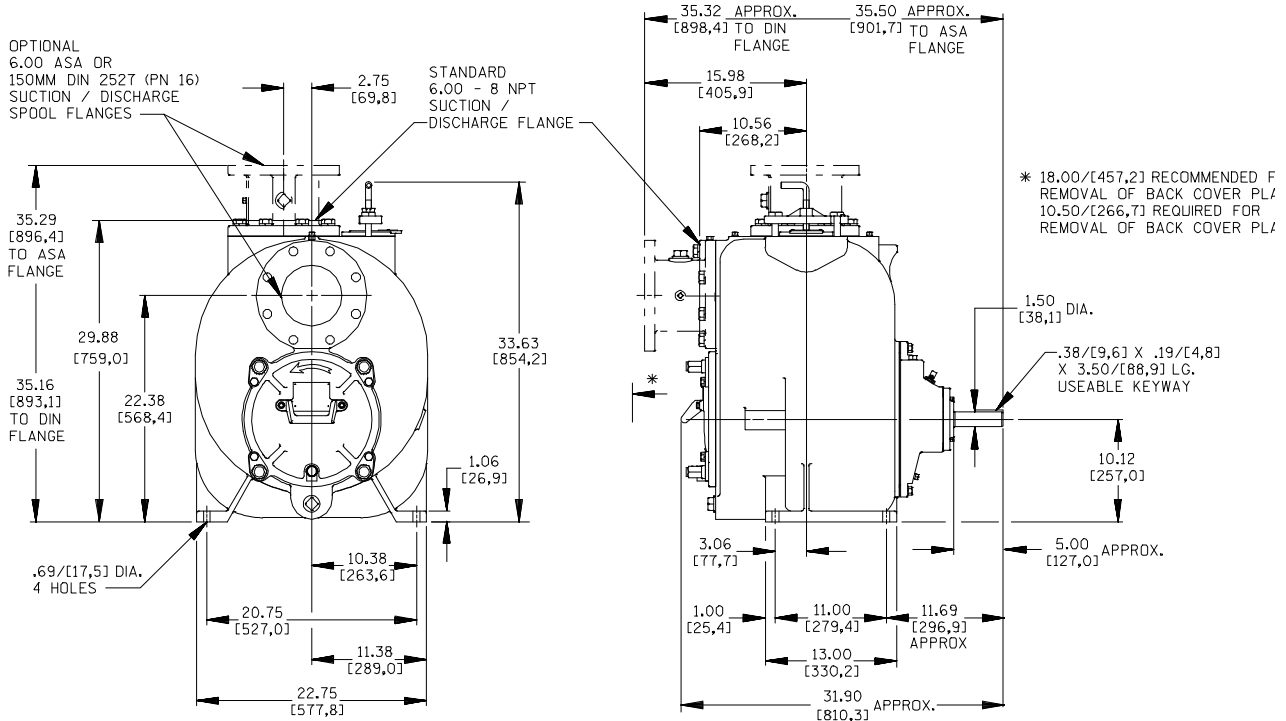
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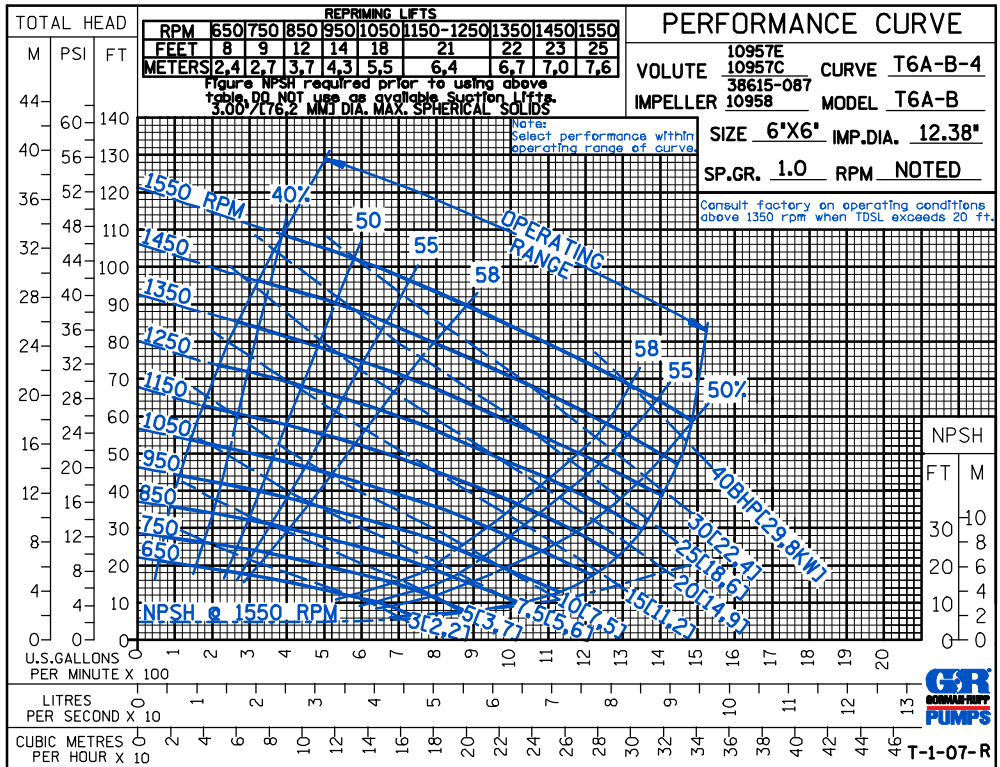
SECTION 55, PAGE 2220

APPROXIMATE DIMENSIONS and WEIGHTS

NET WEIGHT: 885 LBS. (401 KG.)*
SHIPPING WEIGHT: 945 LBS. (429 KG.)*
EXPORT CRATE: 32.5 CU. FT. (0,92 CU. M.)
***ADD 25 LBS. (11,3 KG.) W/EACH SPOOL FLANGE**



OPTIONAL ASA OR DIN STANDARD SUCTION & DISCHARGE SPOOL FLANGES AVAILABLE



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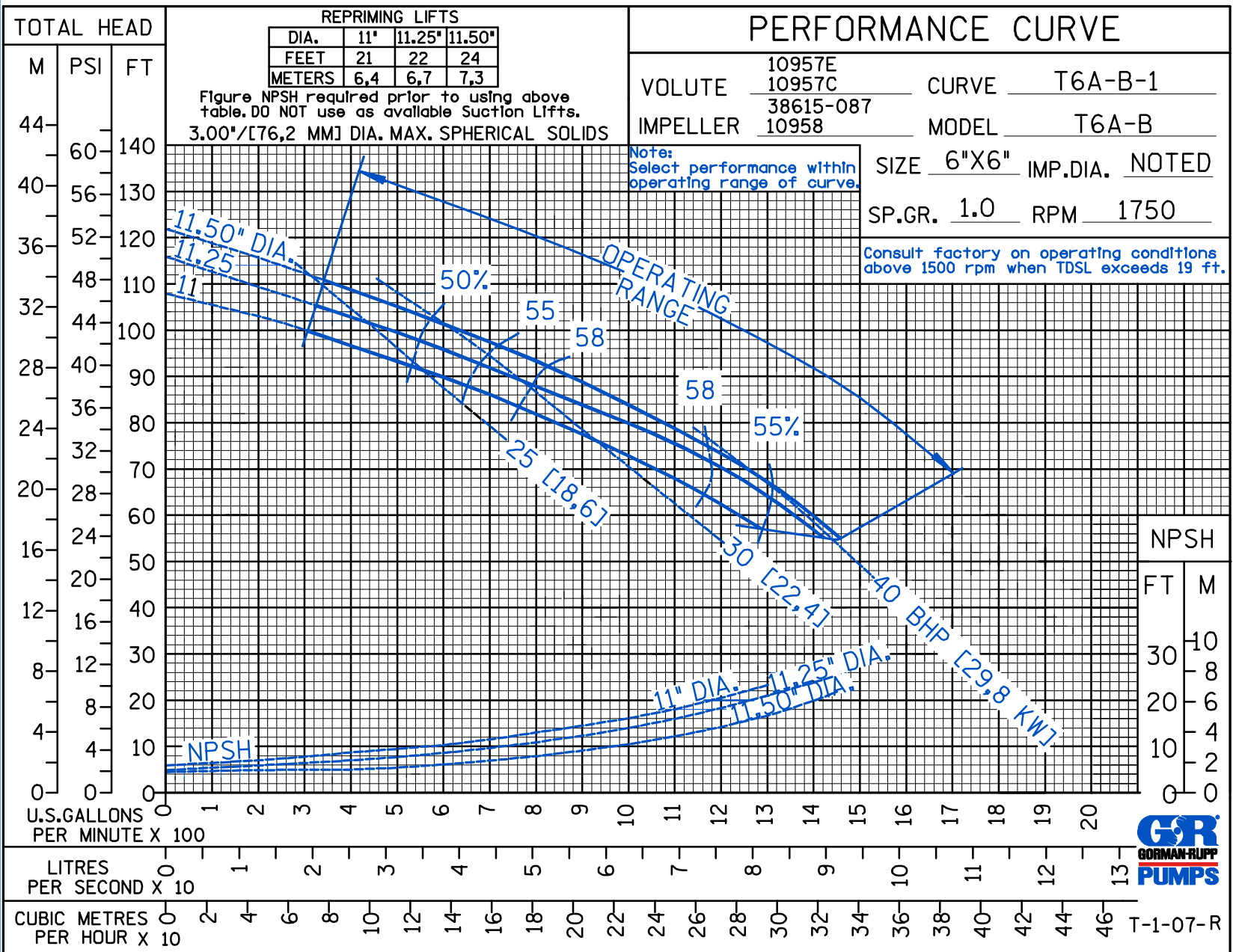
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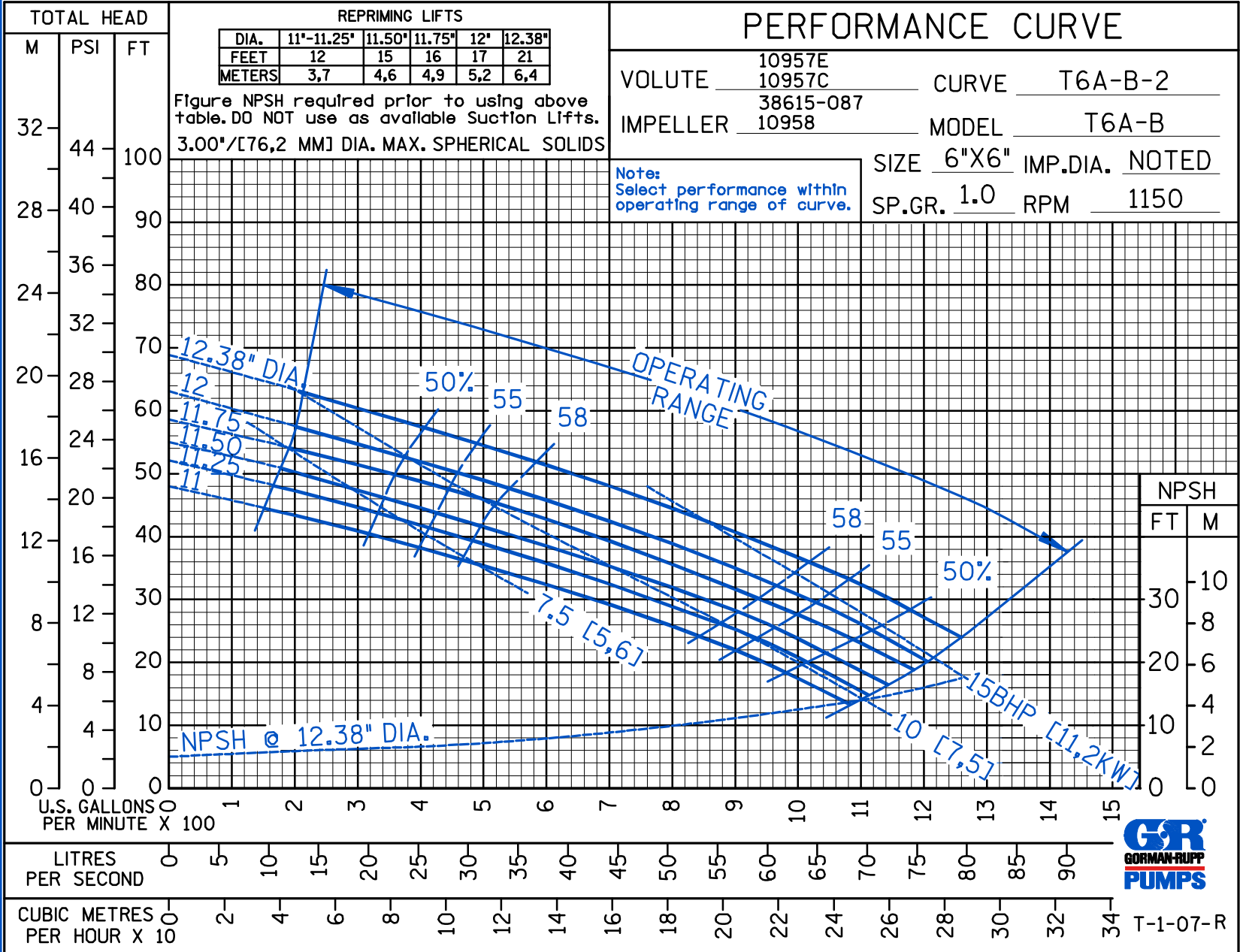


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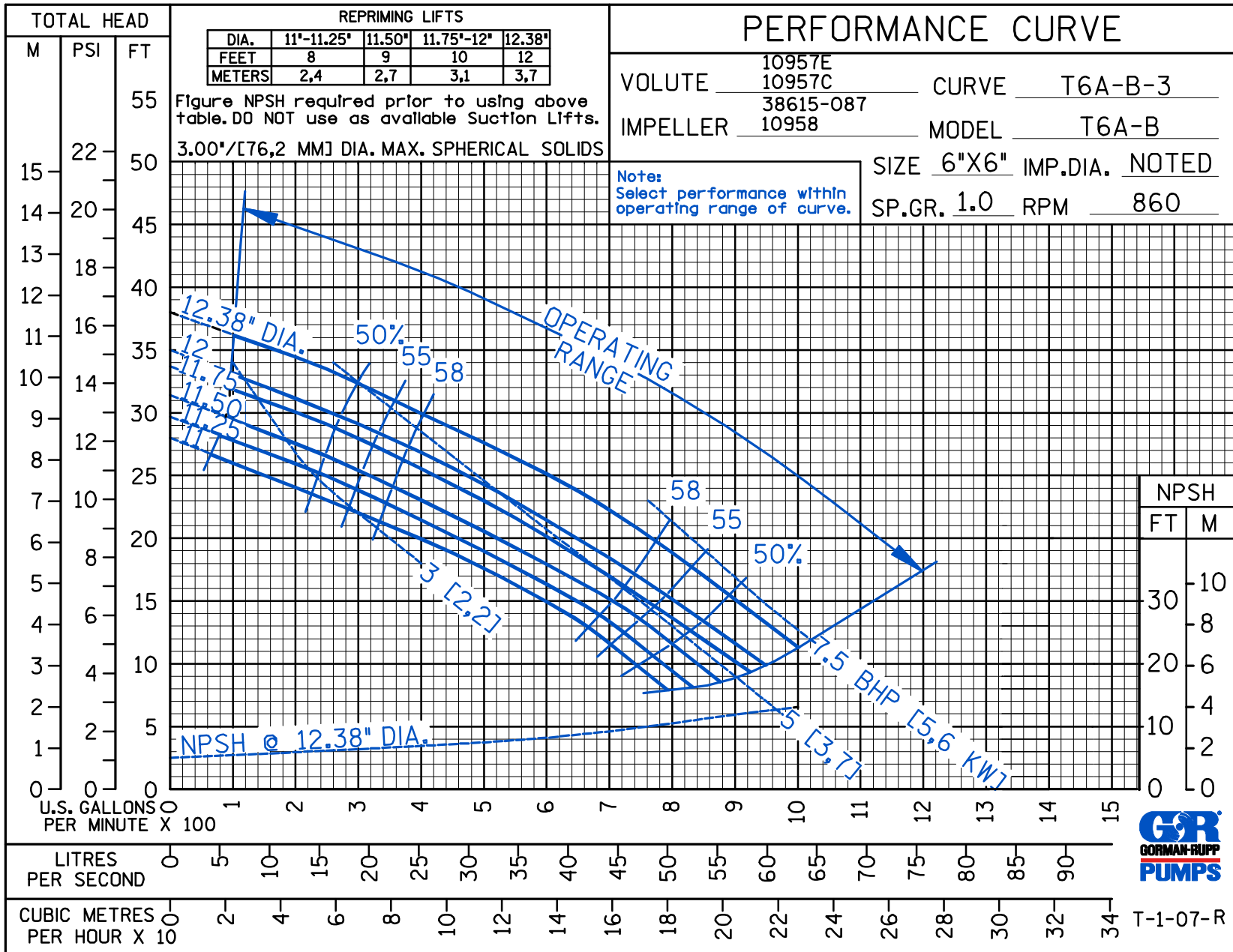
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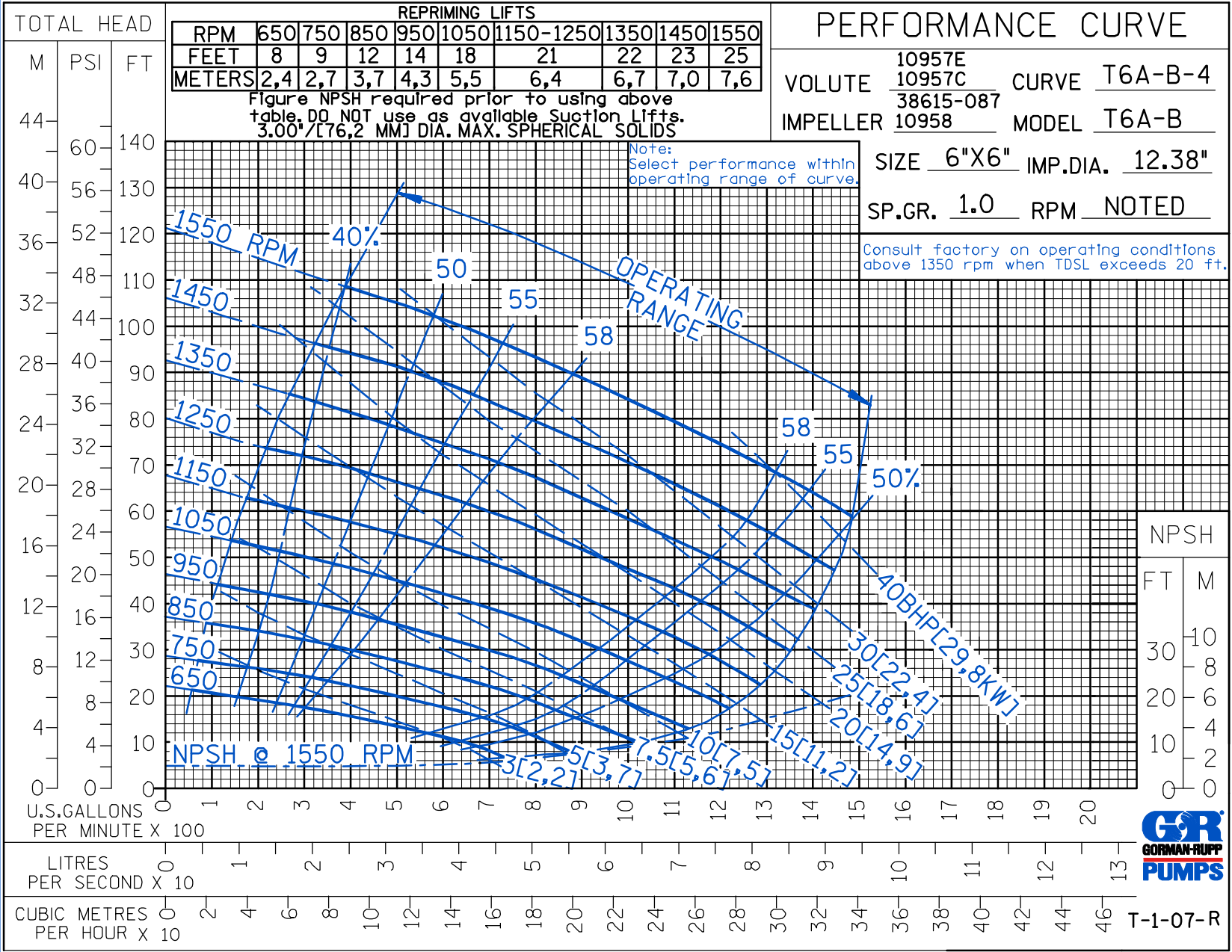


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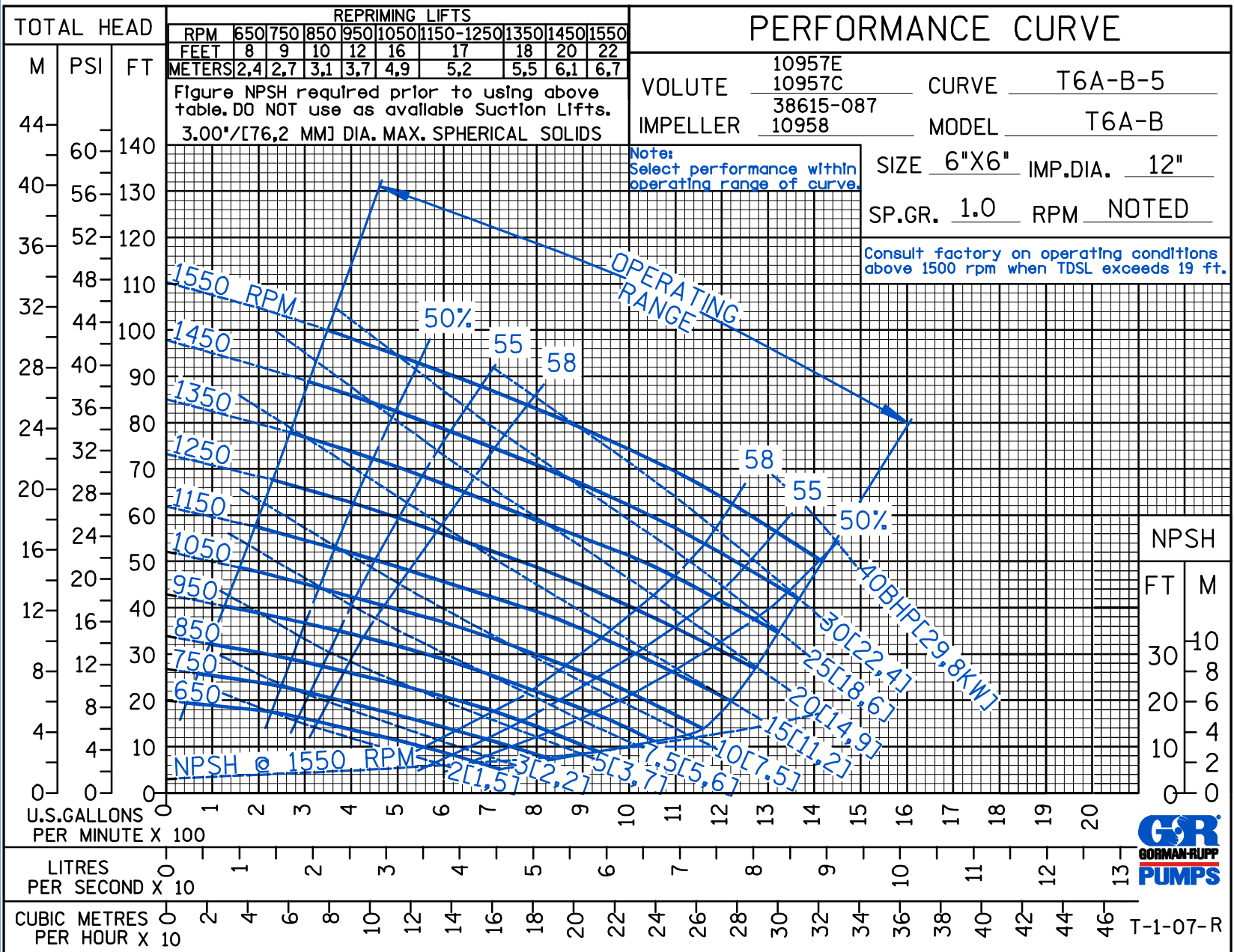
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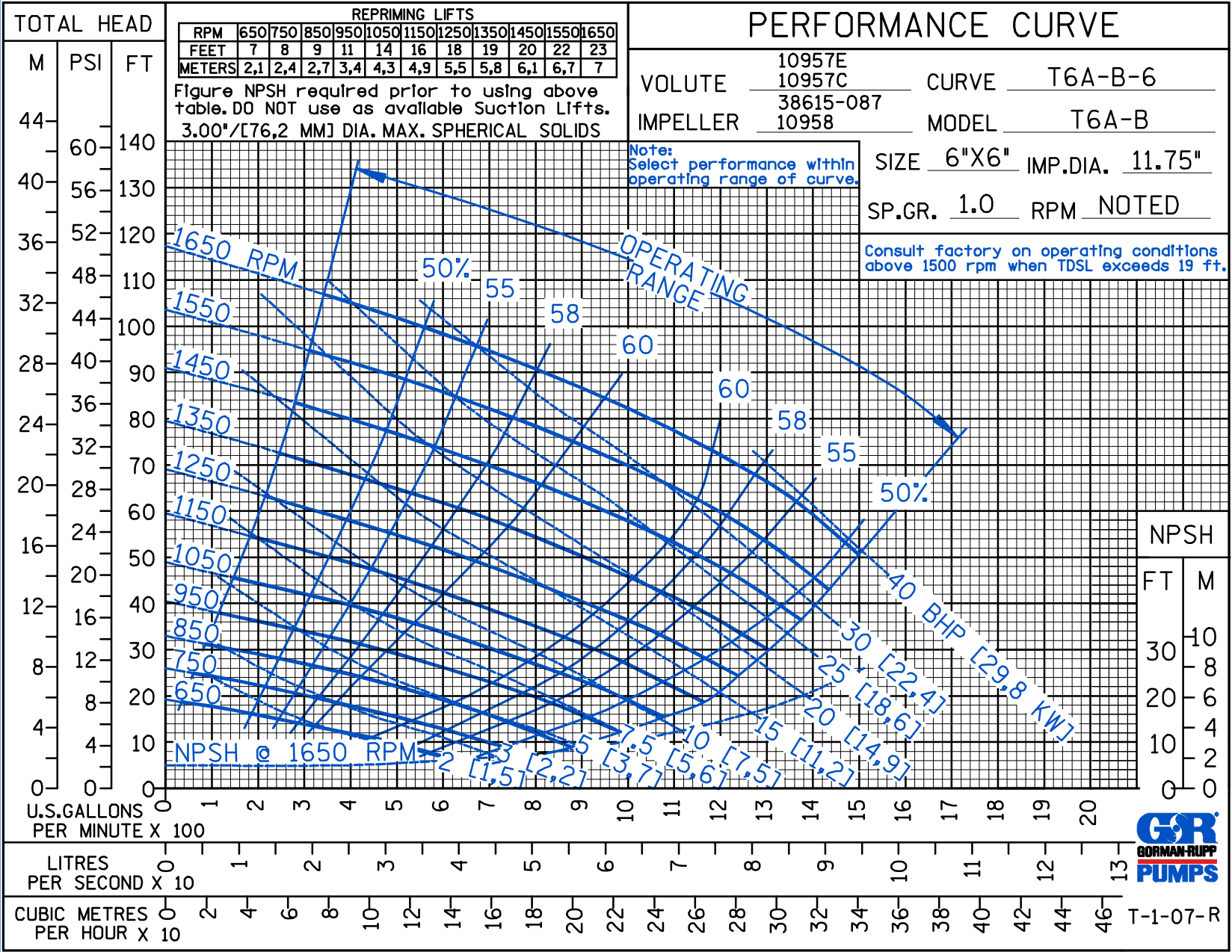


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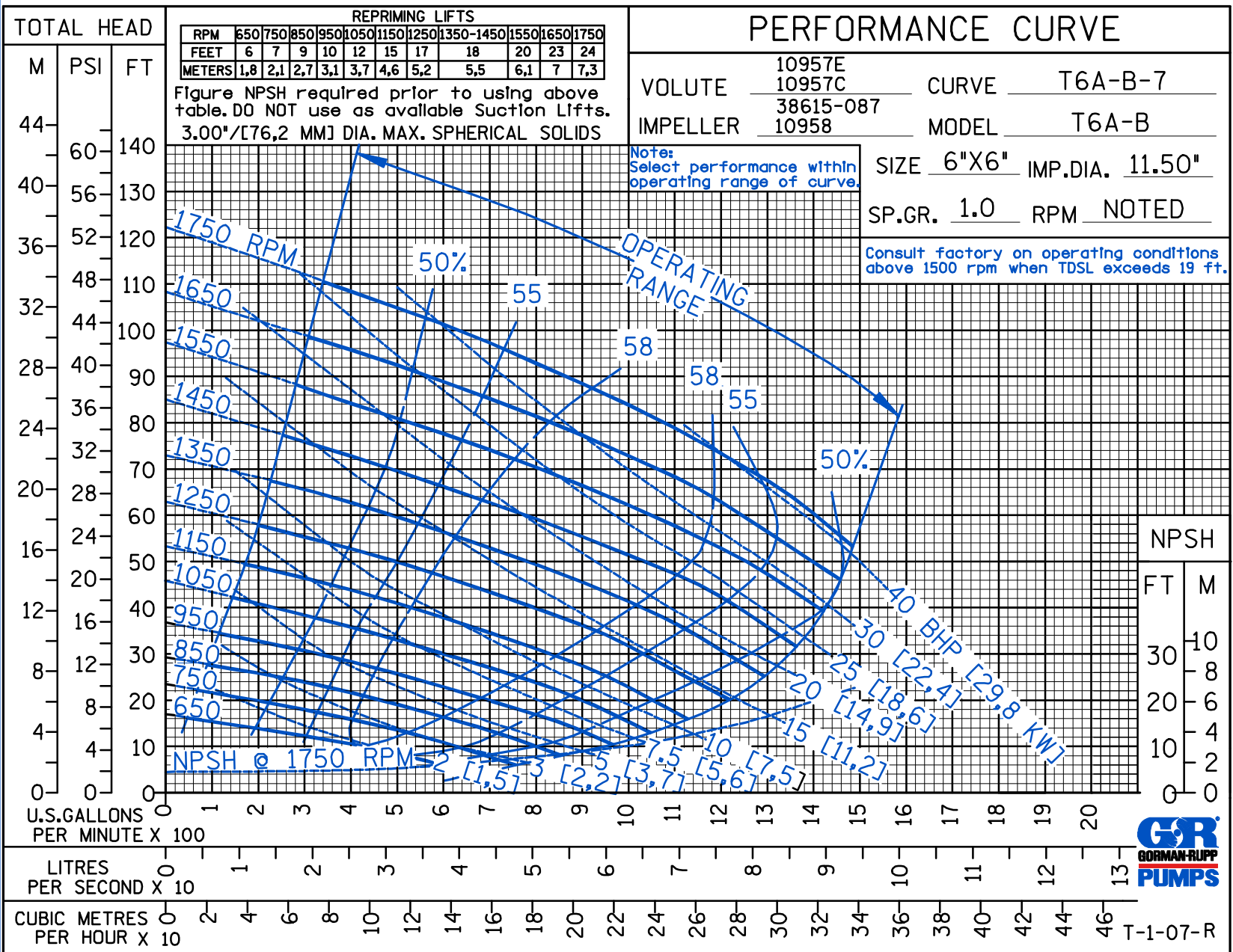
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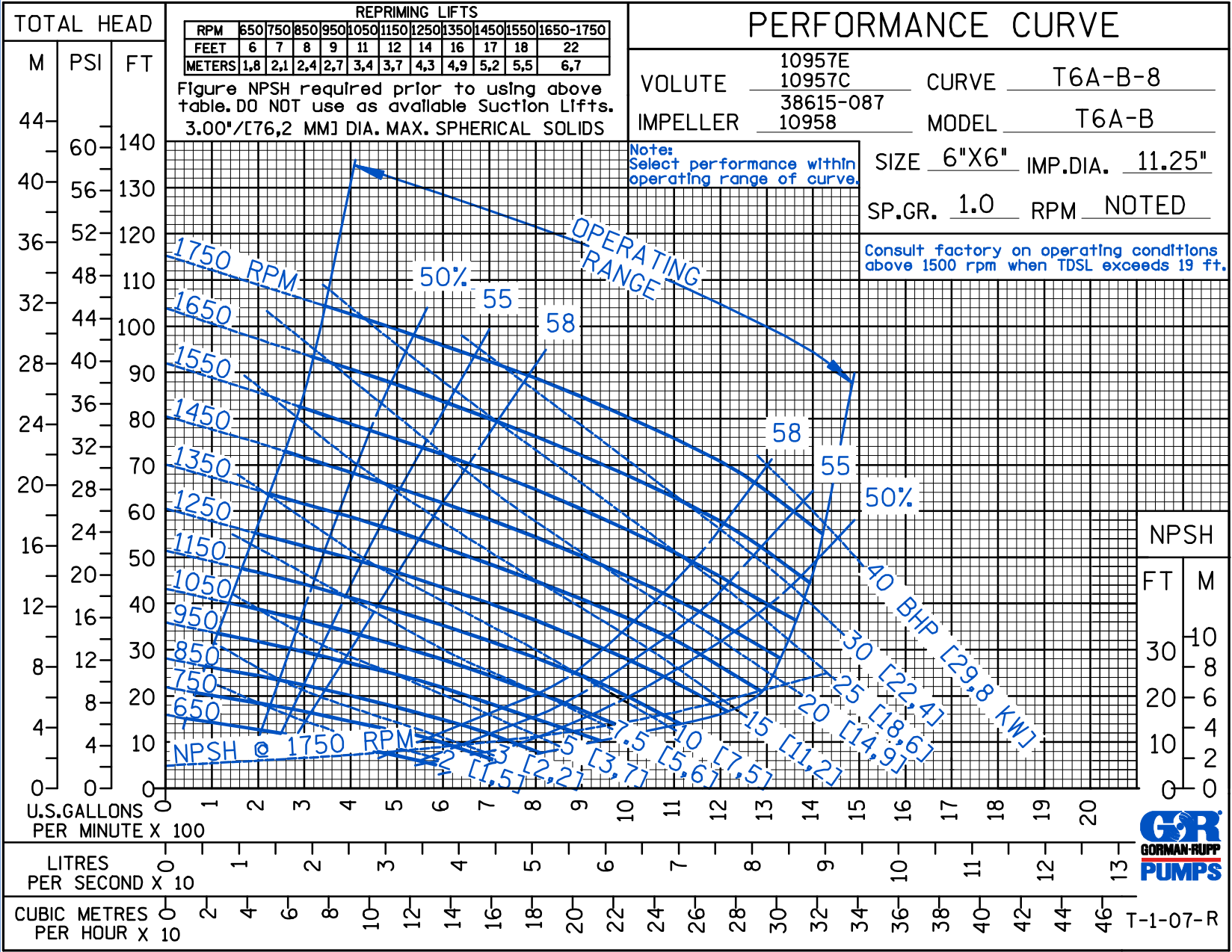


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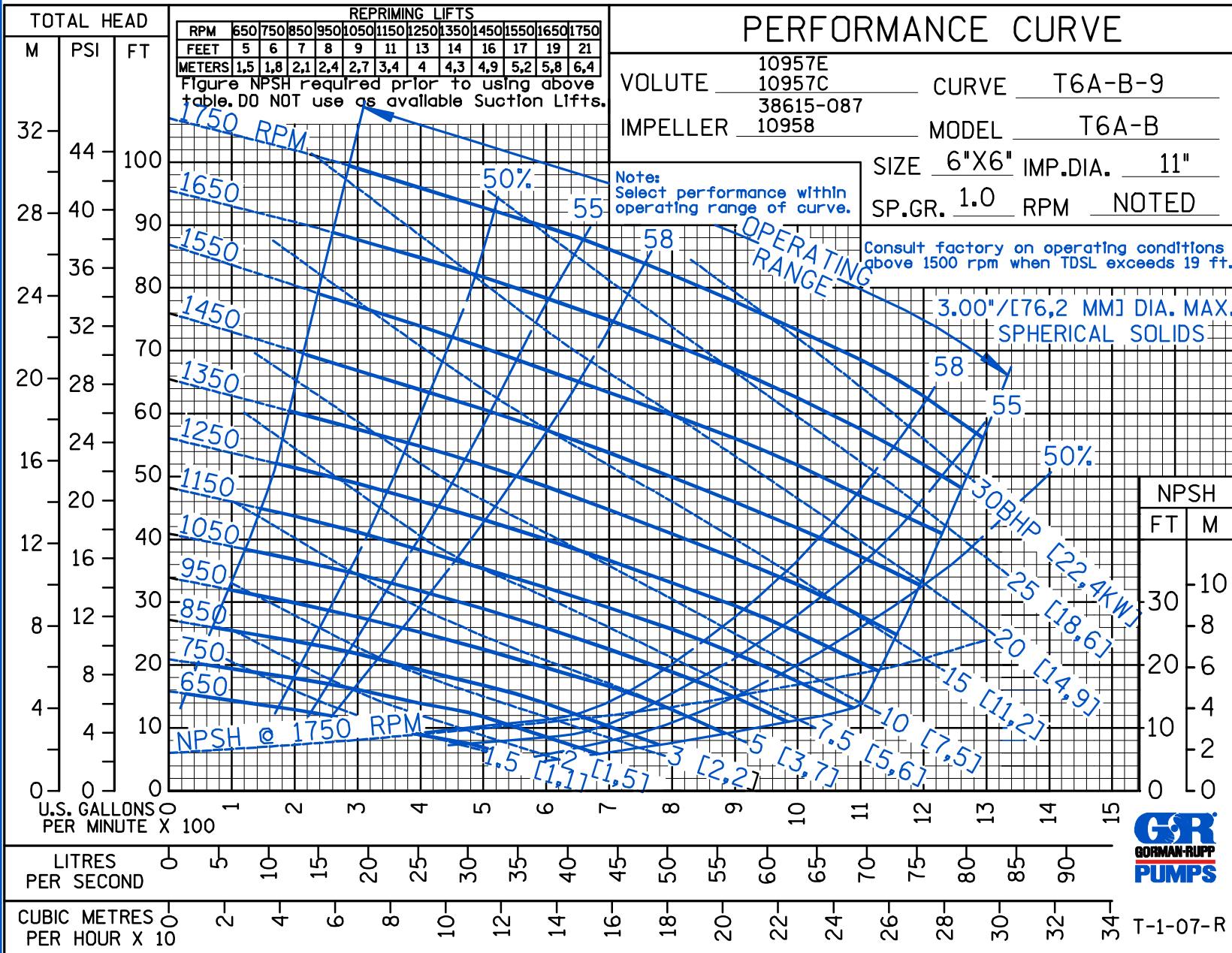
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PERFORMANCE CURVE

VOLUTE 10957E CURVE T6A-B-10
 10957C
 38615-087
 IMPELLER 10958 MODEL T6A-B

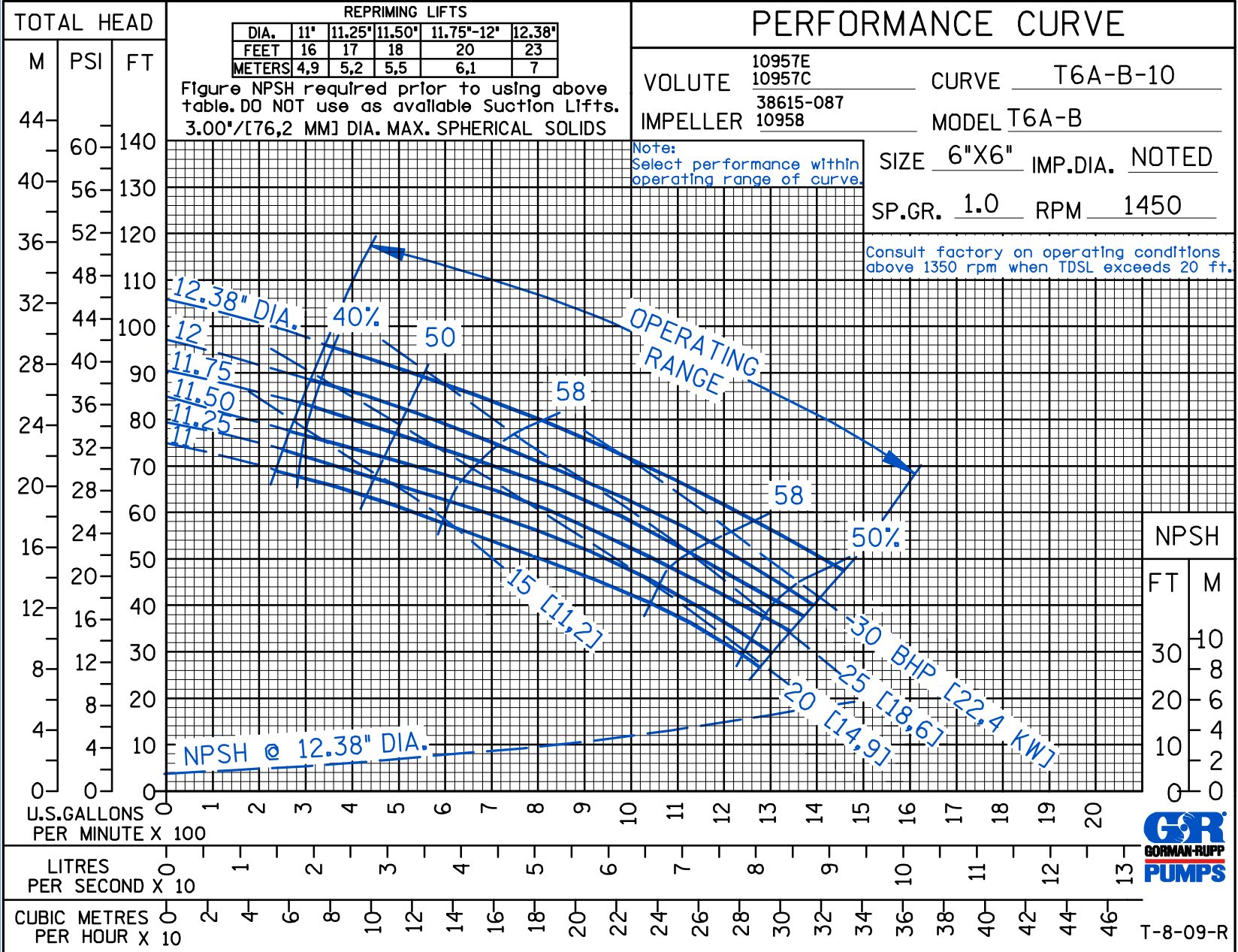
SIZE 6"X6" IMP.DIA. NOTED
 SP.GR. 1.0 RPM 1450

Consult factory on operating conditions above 1350 rpm when TDSL exceeds 20 ft.

Note:
 Select performance within operating range of curve.

REPRIMING LIFTS					
DIA.	11"	11.25"	11.50"	11.75"-12"	12.38"
FEET	16	17	18	20	23
METERS	4,9	5,2	5,5	6,1	7

Figure NPSH required prior to using above table. DO NOT use as available Suction Lifts. 3.00"/[76,2 MM] DIA. MAX. SPHERICAL SOLIDS



NPSH

FT M

30 10
 20 8
 10 6
 0 4
 0 2
 0 0

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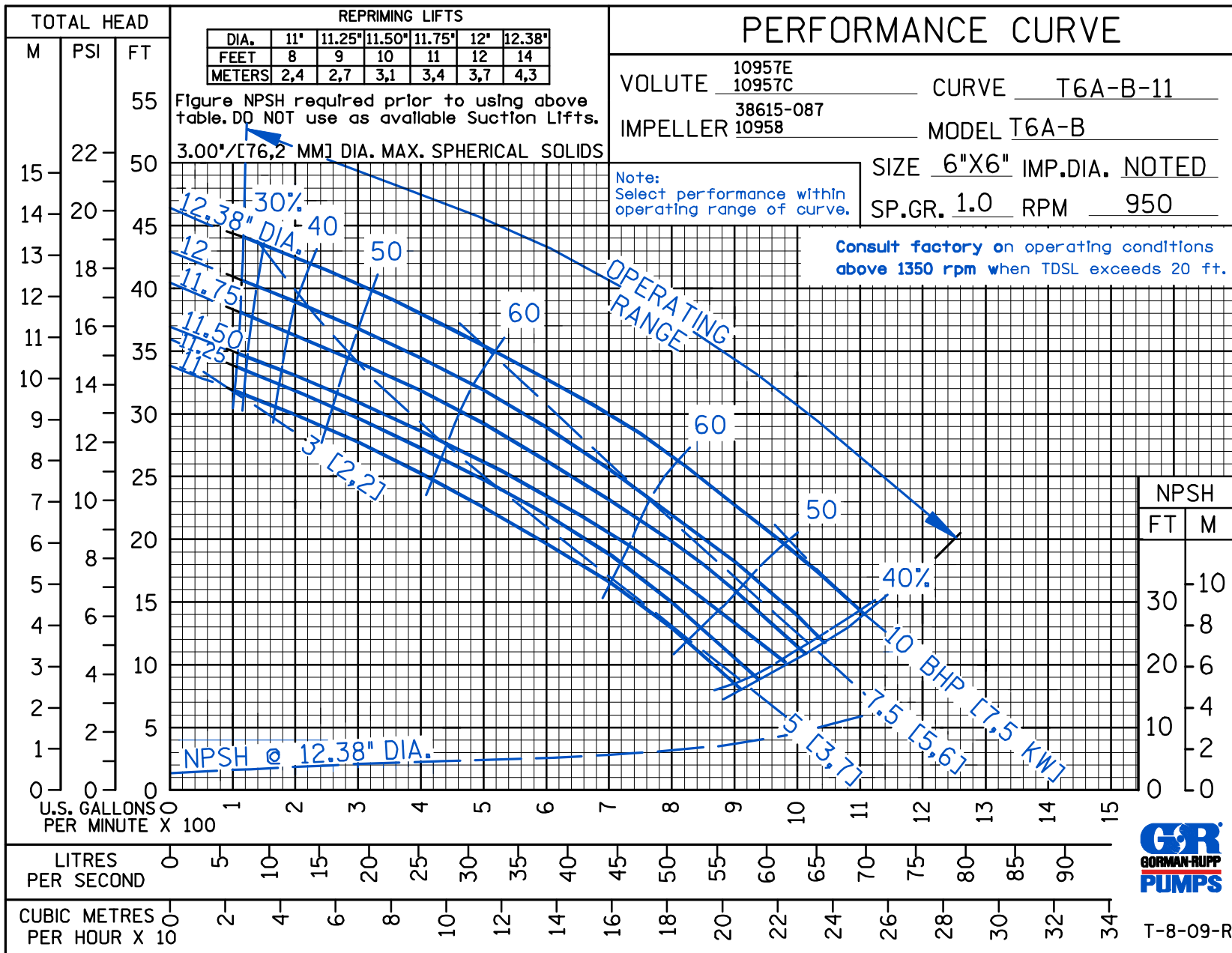
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DS

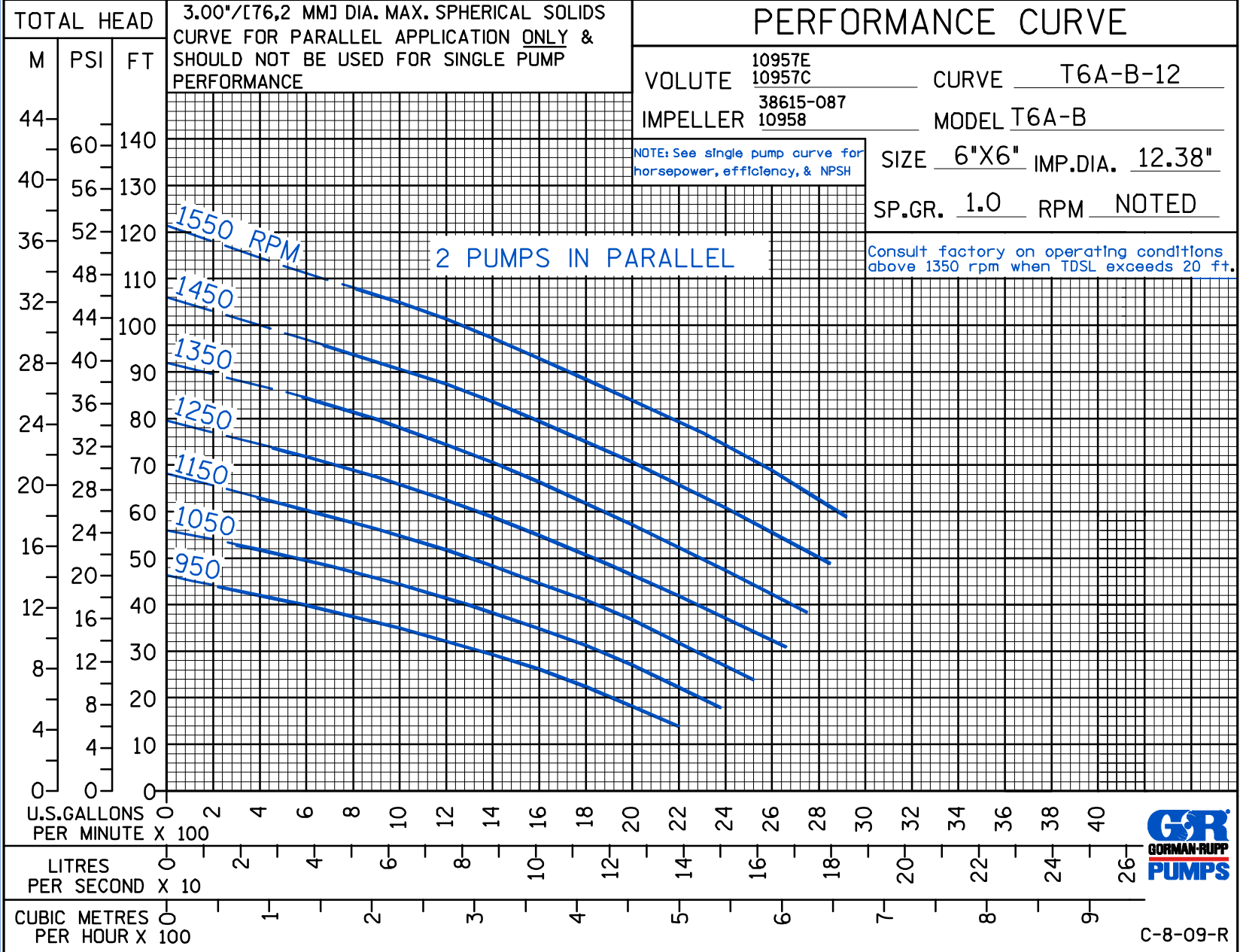
PERFORMANCE CURVE

VOLUTE 10957E CURVE T6A-B-12
 IMPELLER 10957C MODEL T6A-B
 38615-087
 10958
 SIZE 6"X6" IMP.DIA. 12.38"
 SP.GR. 1.0 RPM NOTED

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

Consult factory on operating conditions above 1350 rpm when TDSL exceeds 20 ft.

3.00"/[76,2 MM] DIA. MAX. SPHERICAL SOLIDS
 CURVE FOR PARALLEL APPLICATION ONLY &
 SHOULD NOT BE USED FOR SINGLE PUMP
 PERFORMANCE



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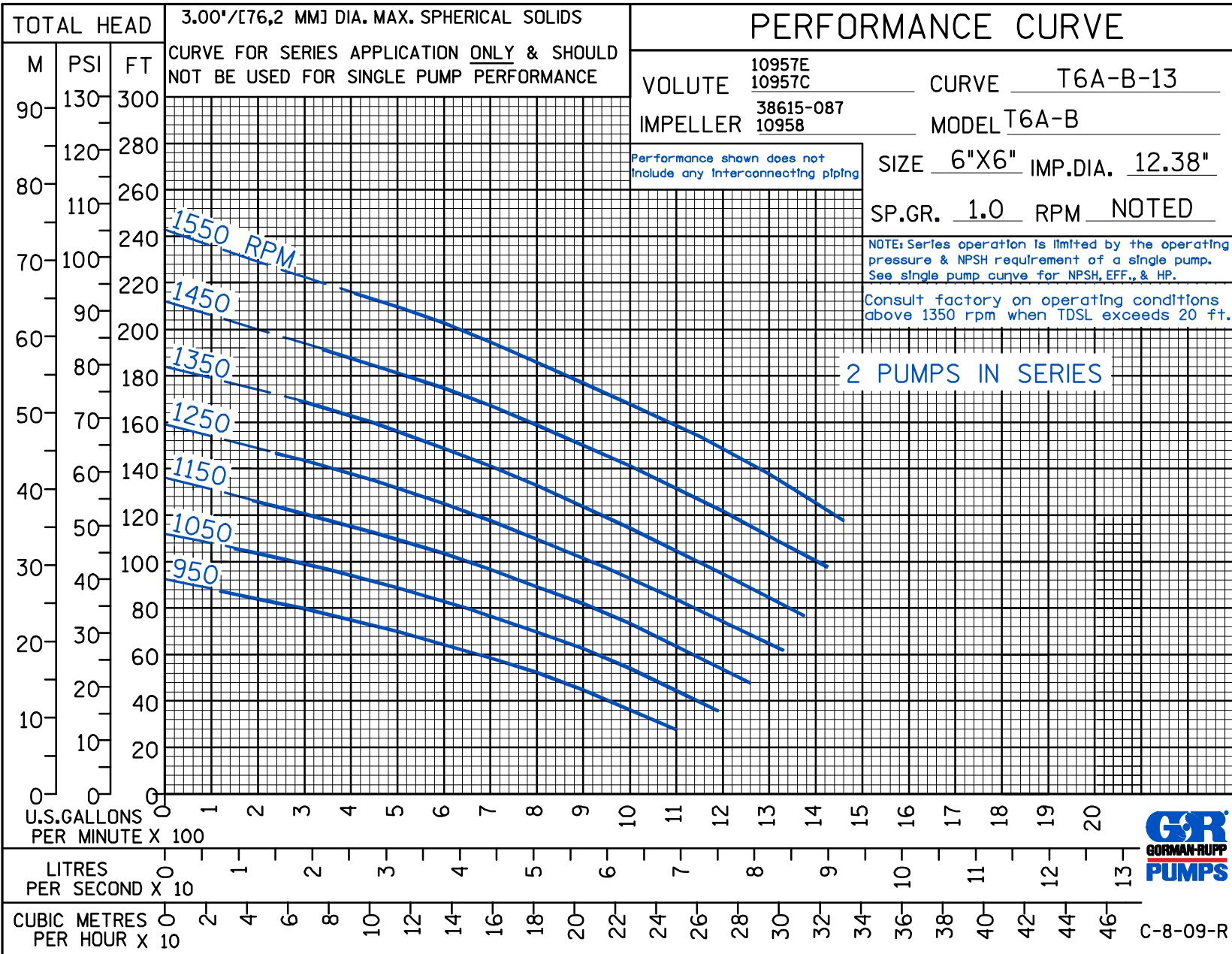
VOLUTE 10957E 10957C CURVE T6A-B-13
 IMPELLER 38615-087 10958 MODEL T6A-B
 SIZE 6"X6" IMP.DIA. 12.38"
 SP.GR. 1.0 RPM NOTED

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.

Consult factory on operating conditions above 1350 rpm when TDSL exceeds 20 ft.

2 PUMPS IN SERIES



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