

CDS

Self Priming Centrifugal Pump

Model T6A71S-B

Size 6" x 6"

**Super
T SERIES**

VARIOUS PATENTS APPLY



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: G-R Hard Iron.

Handles 3" (76,2 mm) Diameter Spherical Solids.

Impeller Shaft: Alloy Steel 4150.**Shaft Sleeve:** Alloy Steel 4130.**Replaceable Wear Plate:** Hardened Alloy Steel.**Removable Adjustable Cover Plate:** Gray Iron 30; 62 lbs. (28 kg).**Flap Valve:** Neoprene ^w/Nylon and Steel Reinforcing.**Seal Plate:** G-R Hard Iron.**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.**Hardware:** Standard Plated Steel.**Brass Pressure Relief Valve.****Bearing and Seal Cavity Oil Level Sight Gauges.****Optional Equipment:** Metal Bellows Seal. Automatic Air

Release Valve. 120V/240V Casing Heater. High Pump

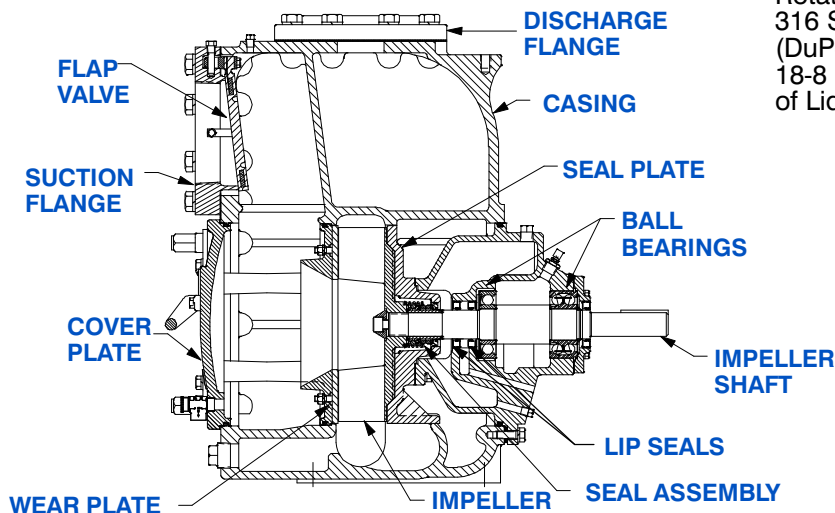
Temperature Shutdown Kit. G-R Hard Iron Casing.

Self-Cleaning Wear Plate. High Chrome Cast Iron Impeller.

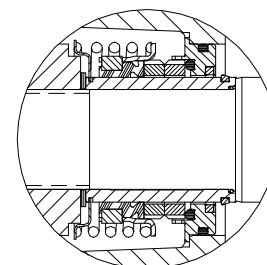
Gray Iron 30 Suction and Discharge Spool Flanges:

6" ASA (**Specify Model T6A71S-B /F**).150 mm DIN 2527 (PN16) (**Specify Model T6A71S-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. 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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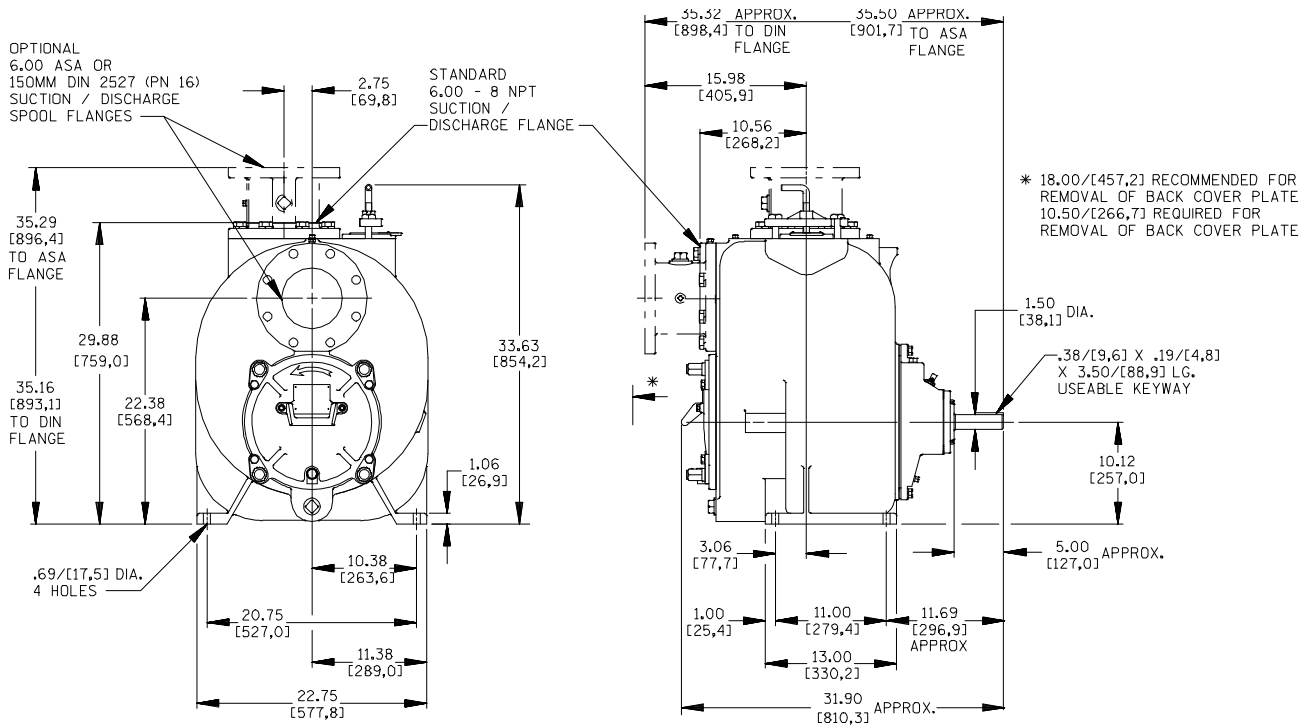
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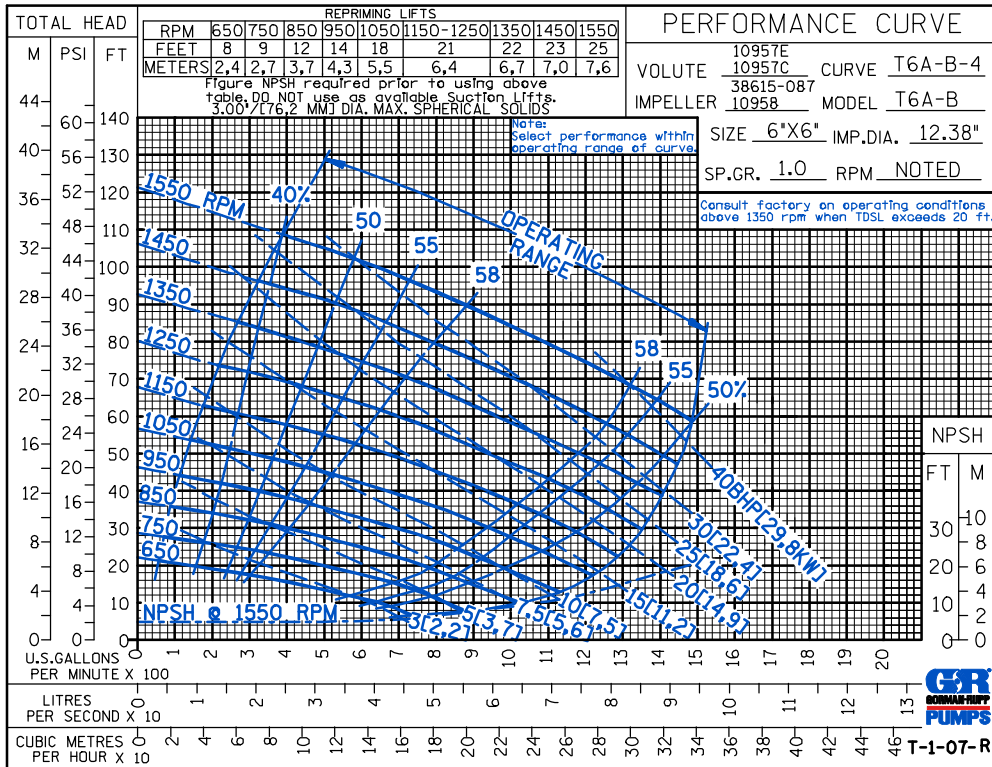
APPROXIMATE DIMENSIONS and WEIGHTS

NET WEIGHT: 865 LBS. (392 KG.)*
SHIPPING WEIGHT: 920 LBS. (417 KG.)*
EXPORT CRATE: 32.5 CU. FT. (0.92 CU. M.)
***ADD 25 LBS. (11,3 KG.) W/EACH SPOOL FLANGE**

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OPTIONAL ASA OR DIN STANDARD SUCTION & DISCHARGE SPOOL FLANGES AVAILABLE



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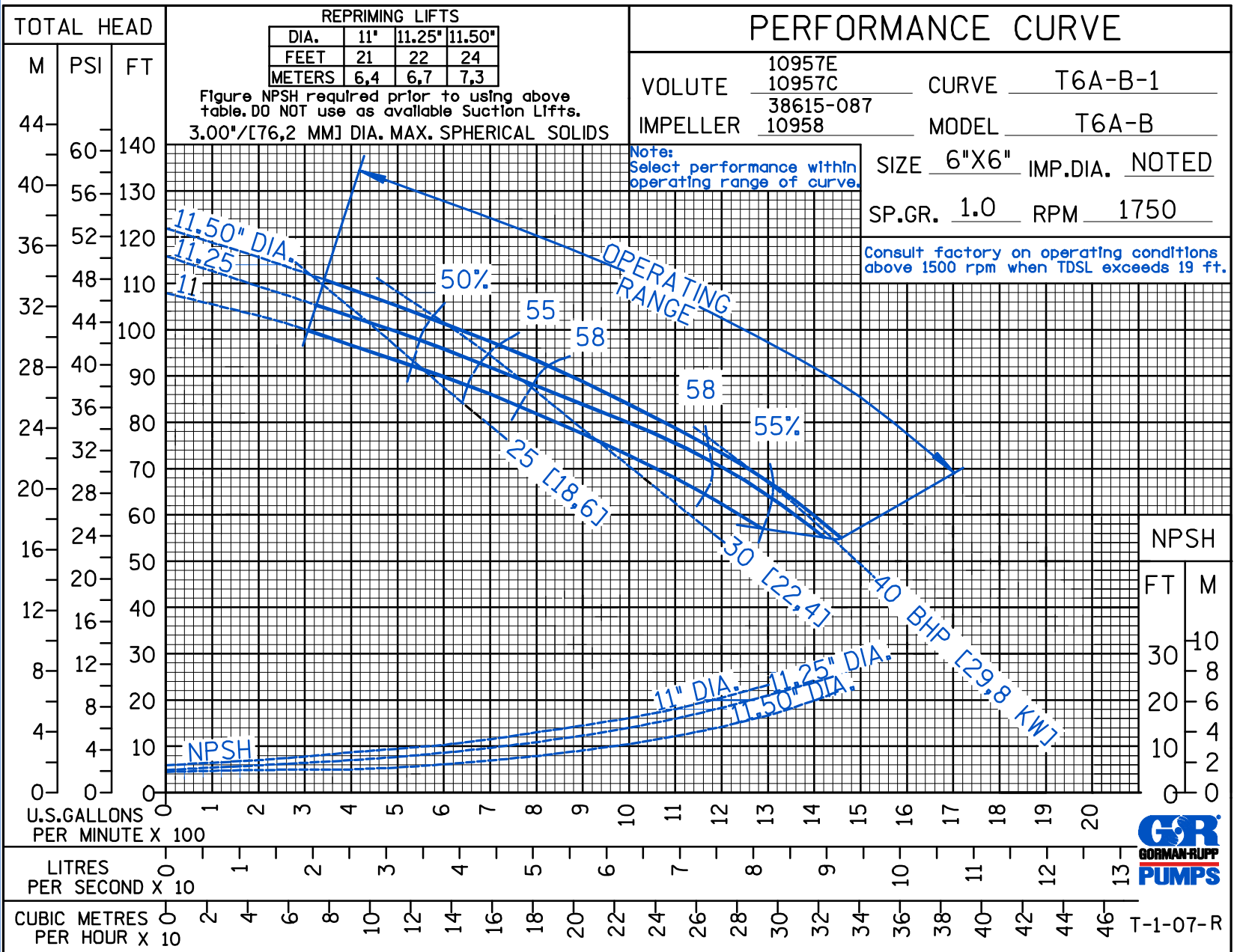
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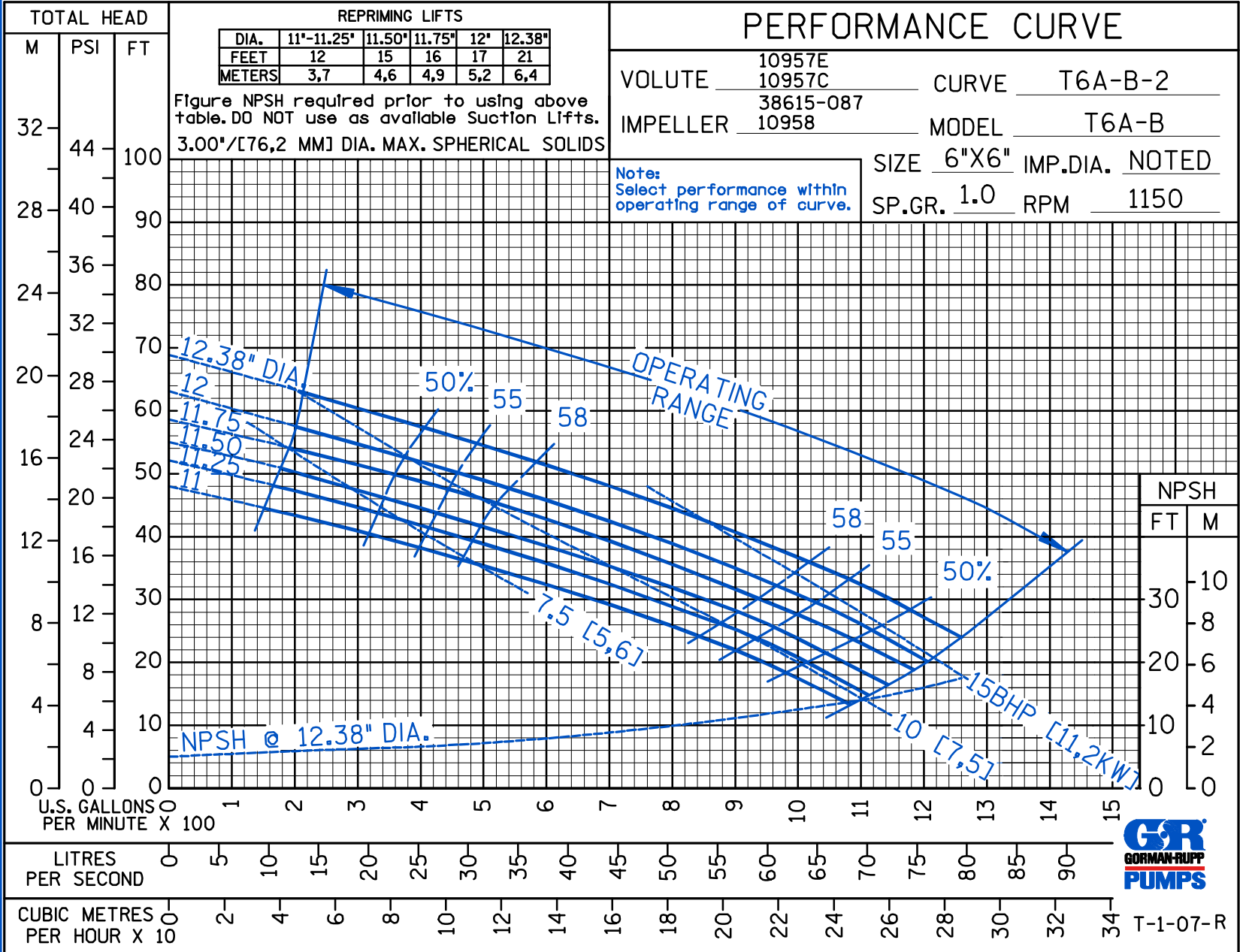


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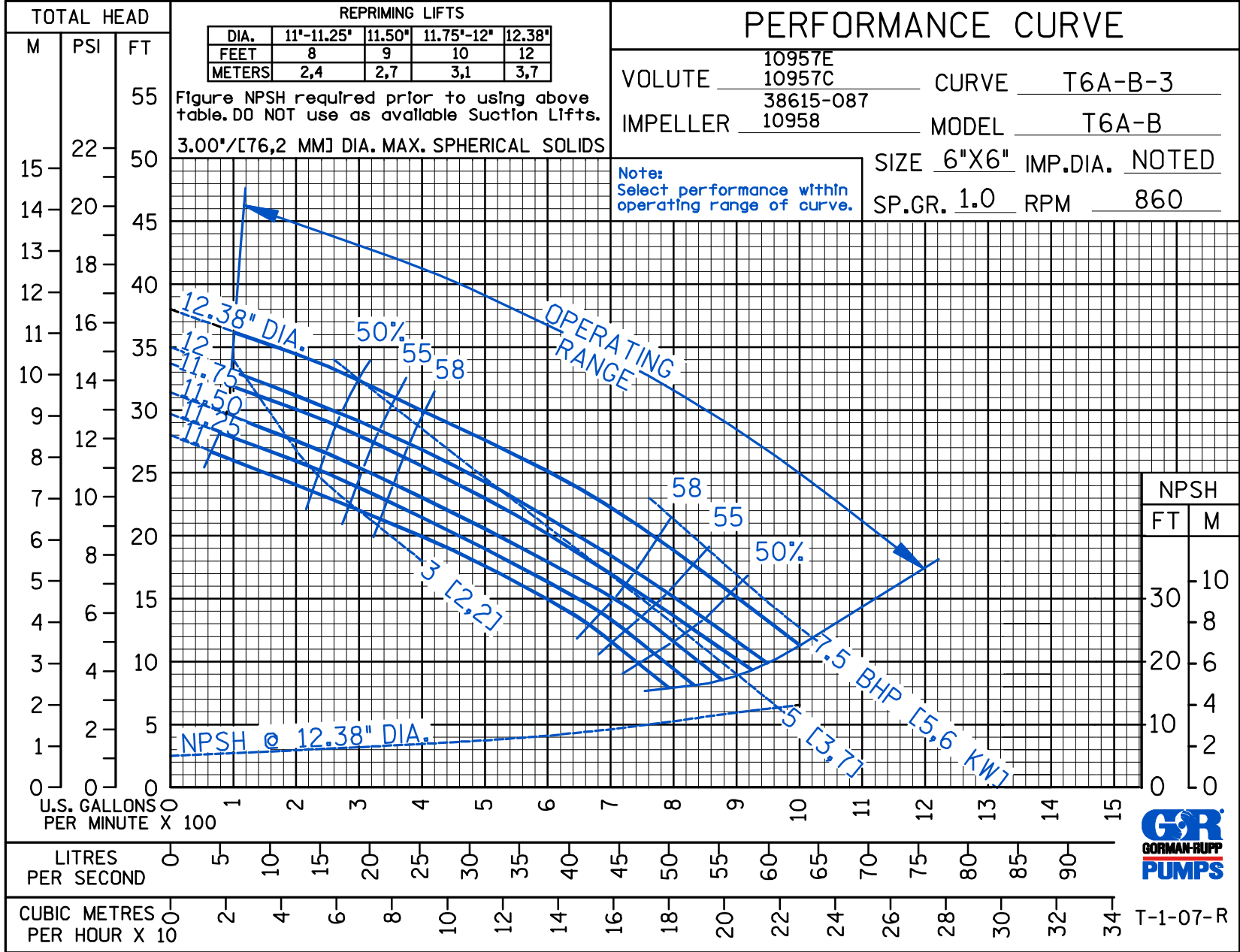
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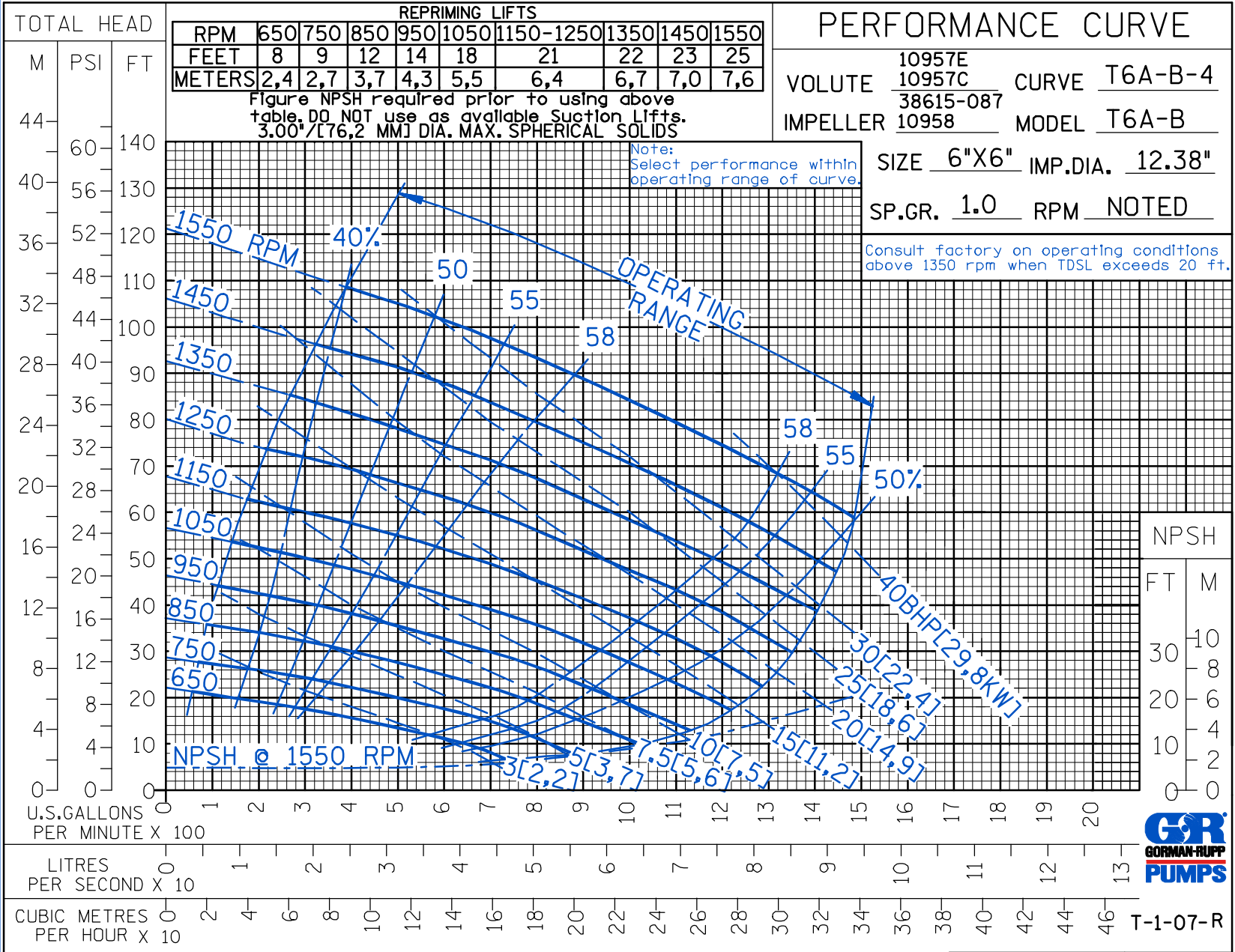


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PERFORMANCE CURVE

VOLUTE 10957E
 10957C
 38615-087
 IMPELLER 10958 MODEL T6A-B-4
 T6A-B
 SIZE 6"X6" IMP.DIA. 12.38"
 SP.GR. 1.0 RPM NOTED

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NPSH

FT M
 30 10
 8 8
 20 6
 10 2
 0 0



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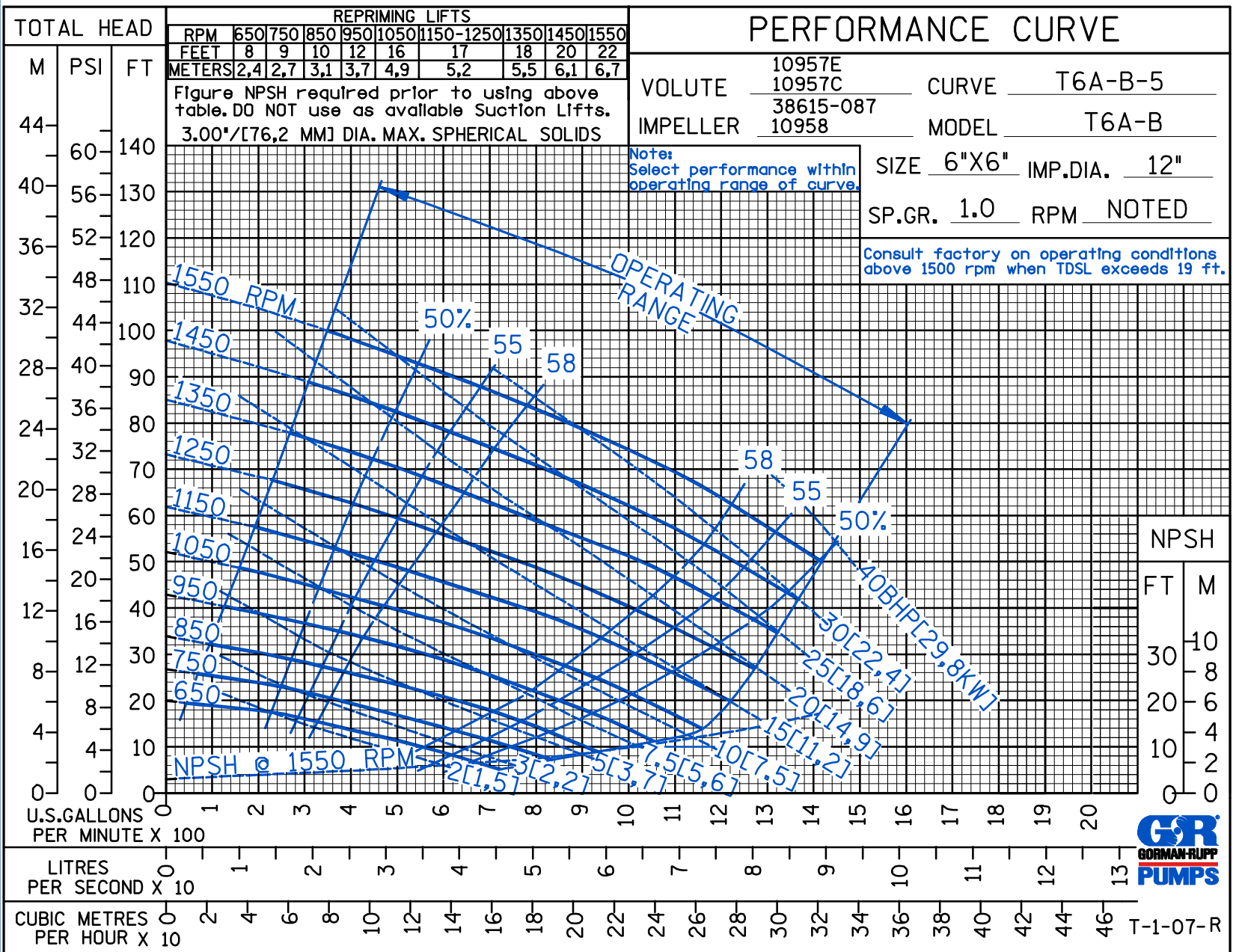
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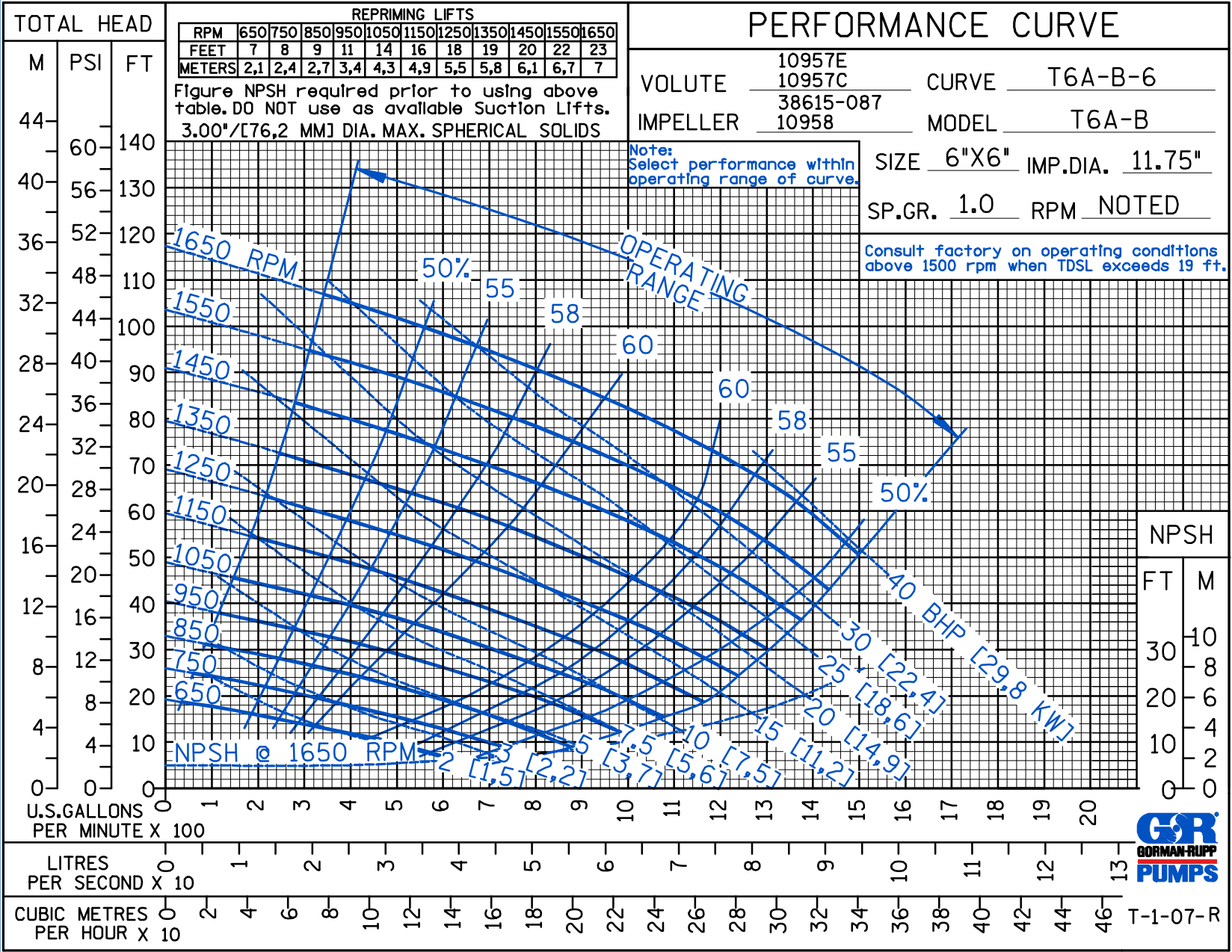


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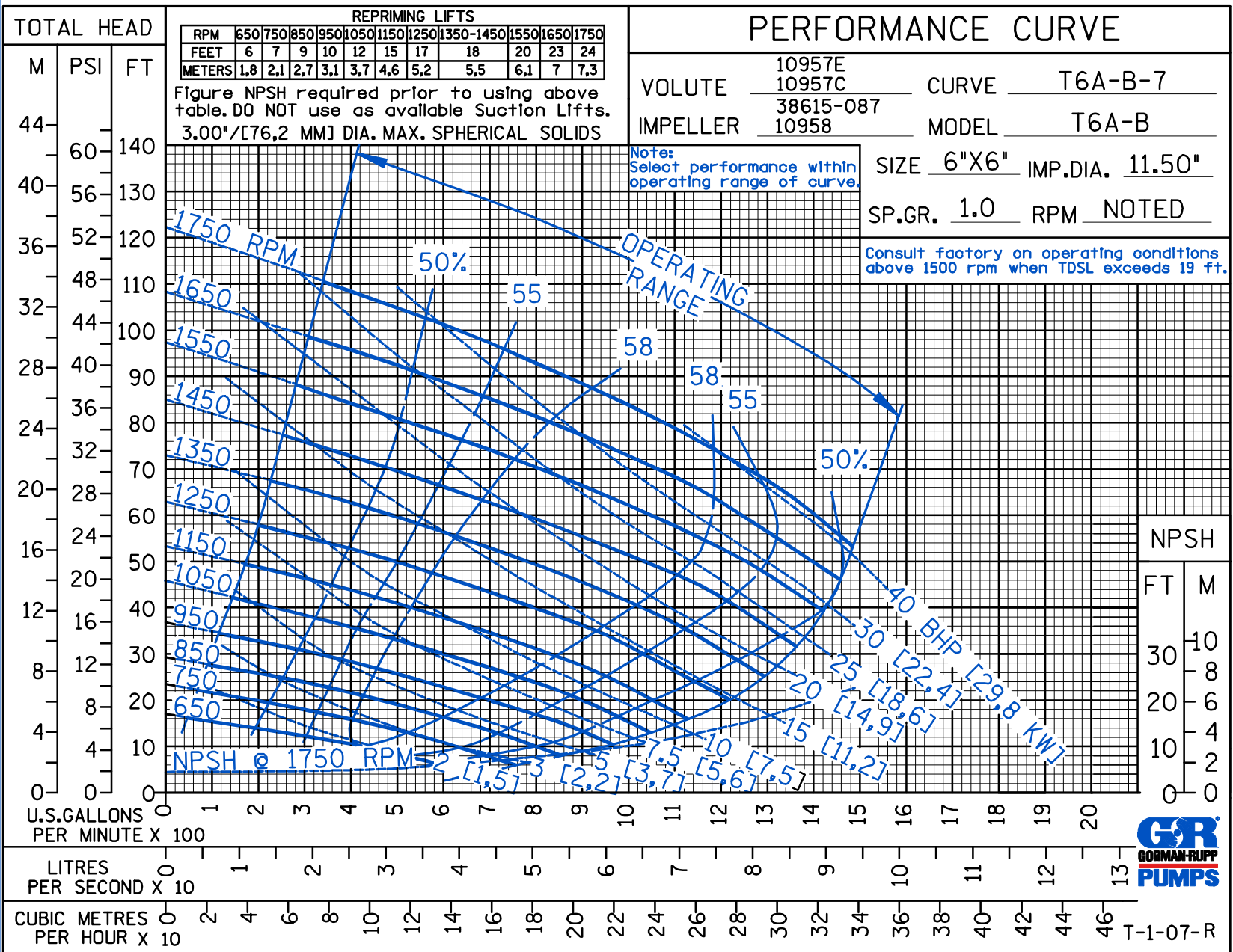
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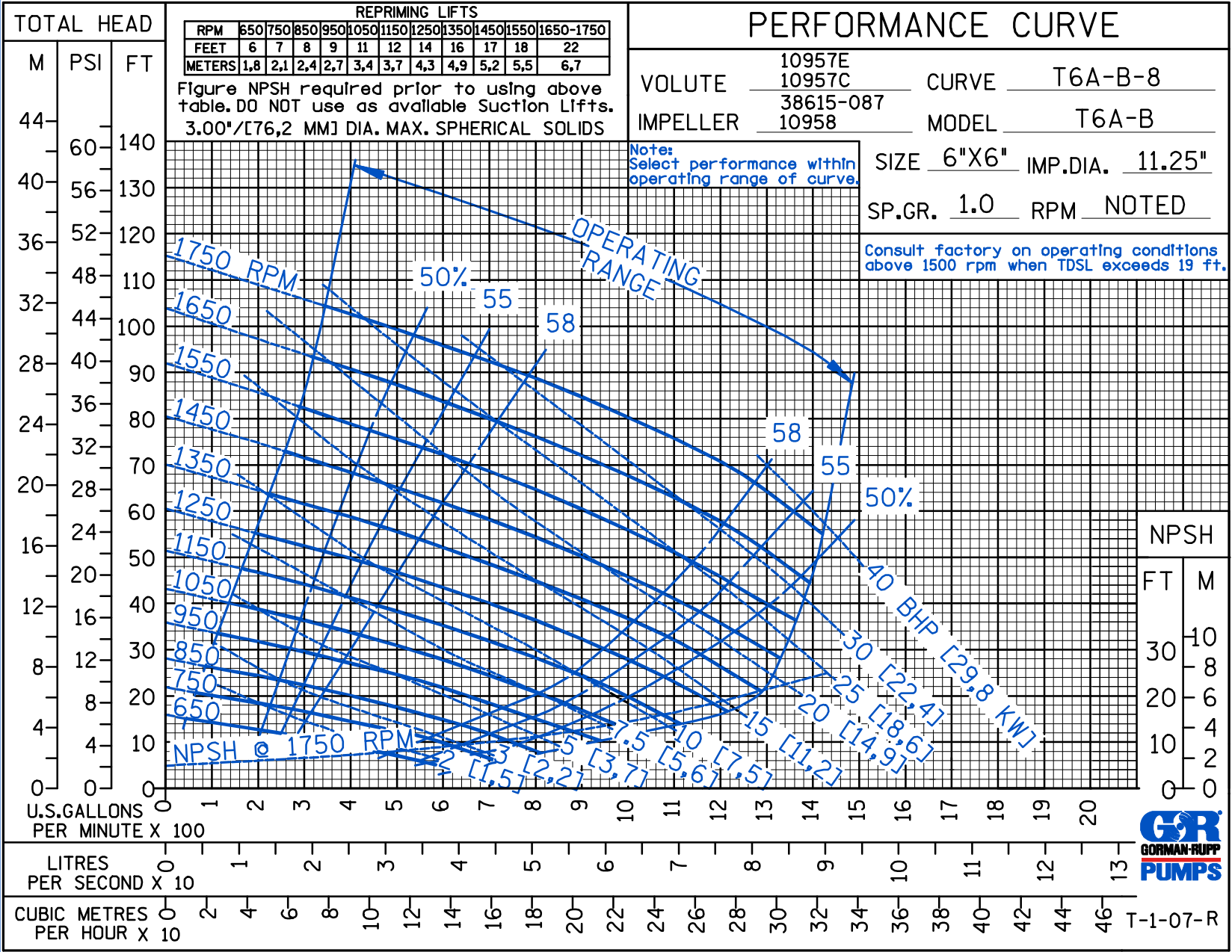


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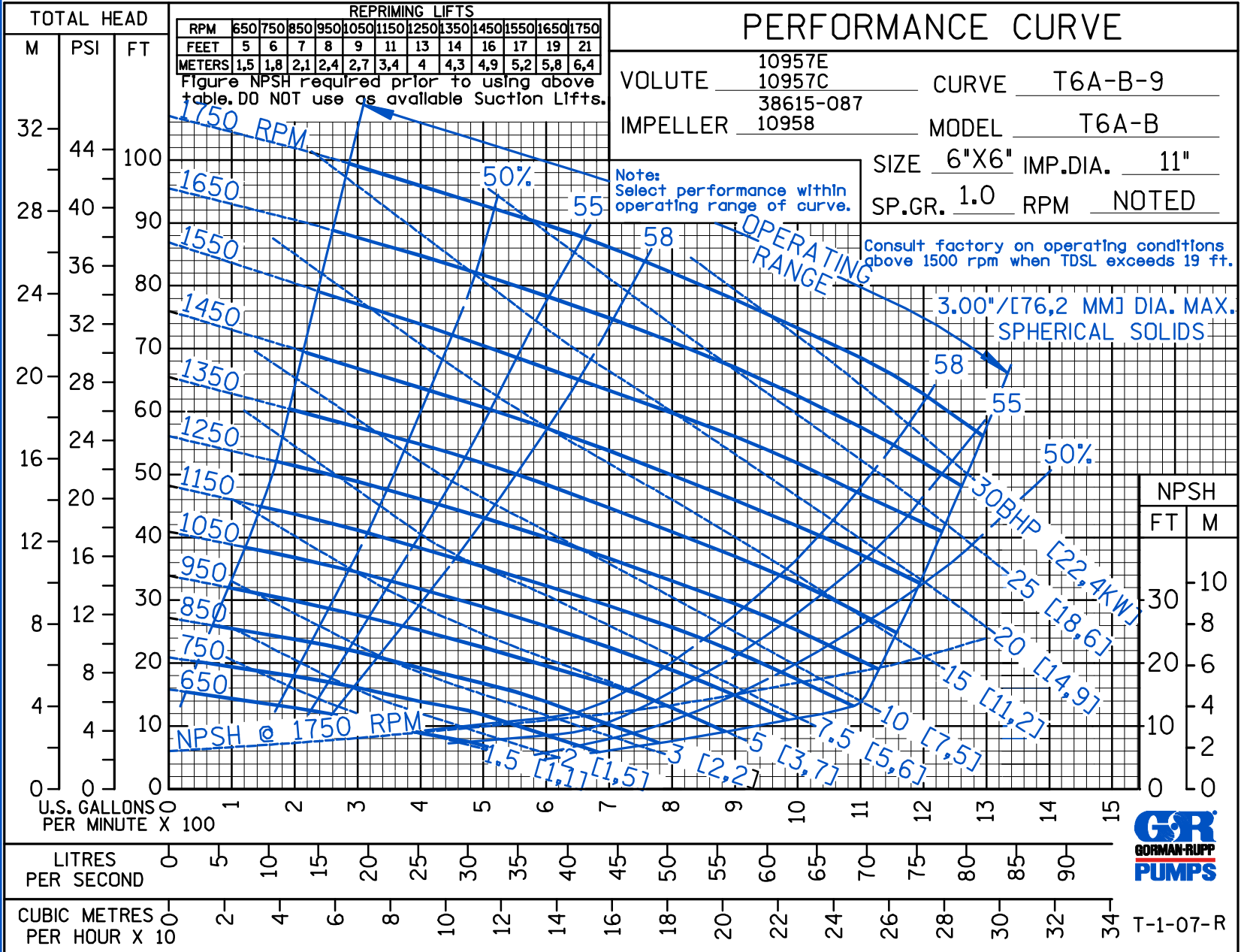
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PERFORMANCE CURVE

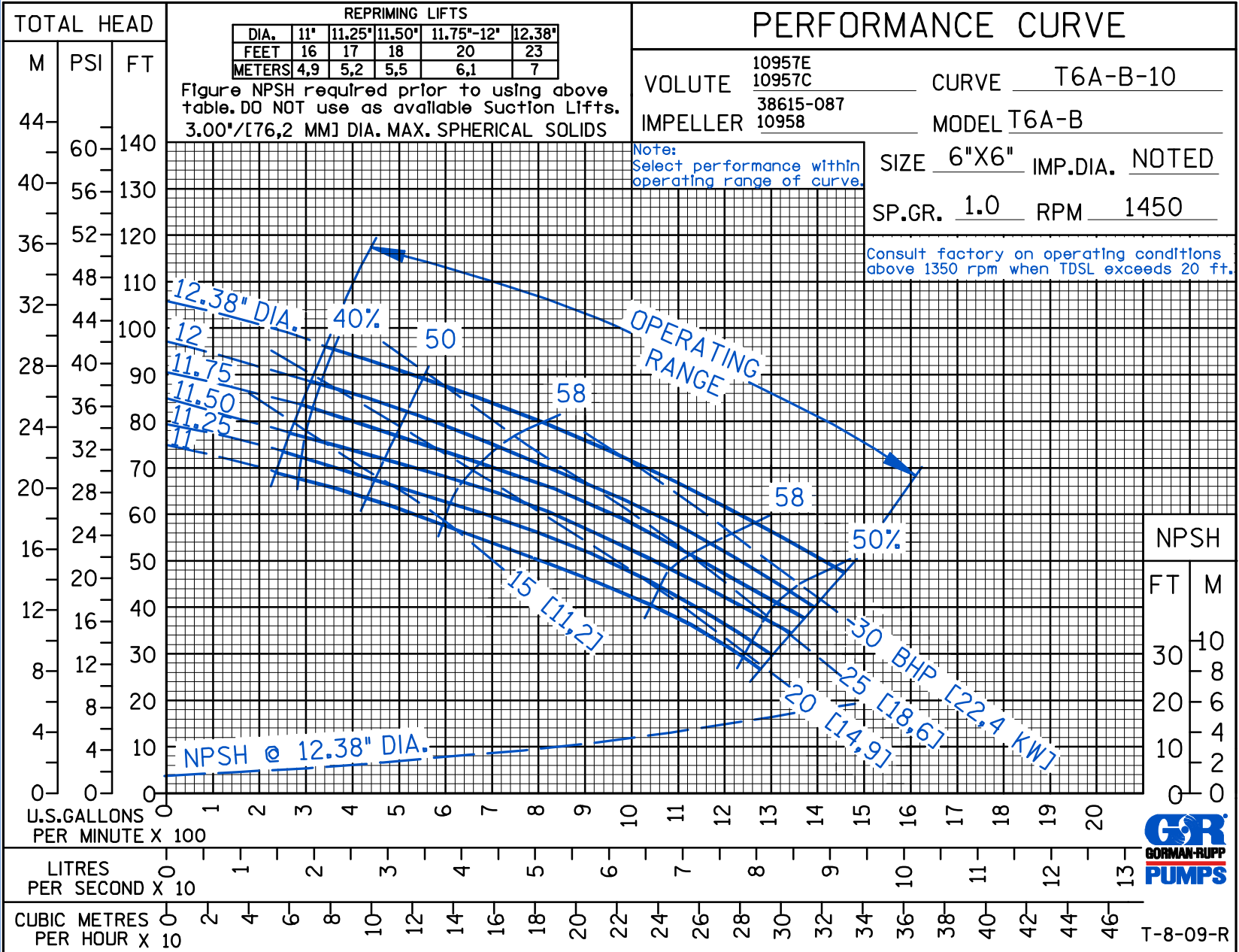
VOLUTE 10957E 10957C CURVE T6A-B-10
 IMPELLER 38615-087 10958 MODEL T6A-B
 SIZE 6"X6" IMP.DIA. NOTED
 SP.GR. 1.0 RPM 1450

Note:
 Select performance within
 operating range of curve.

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

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



T-8-09-R



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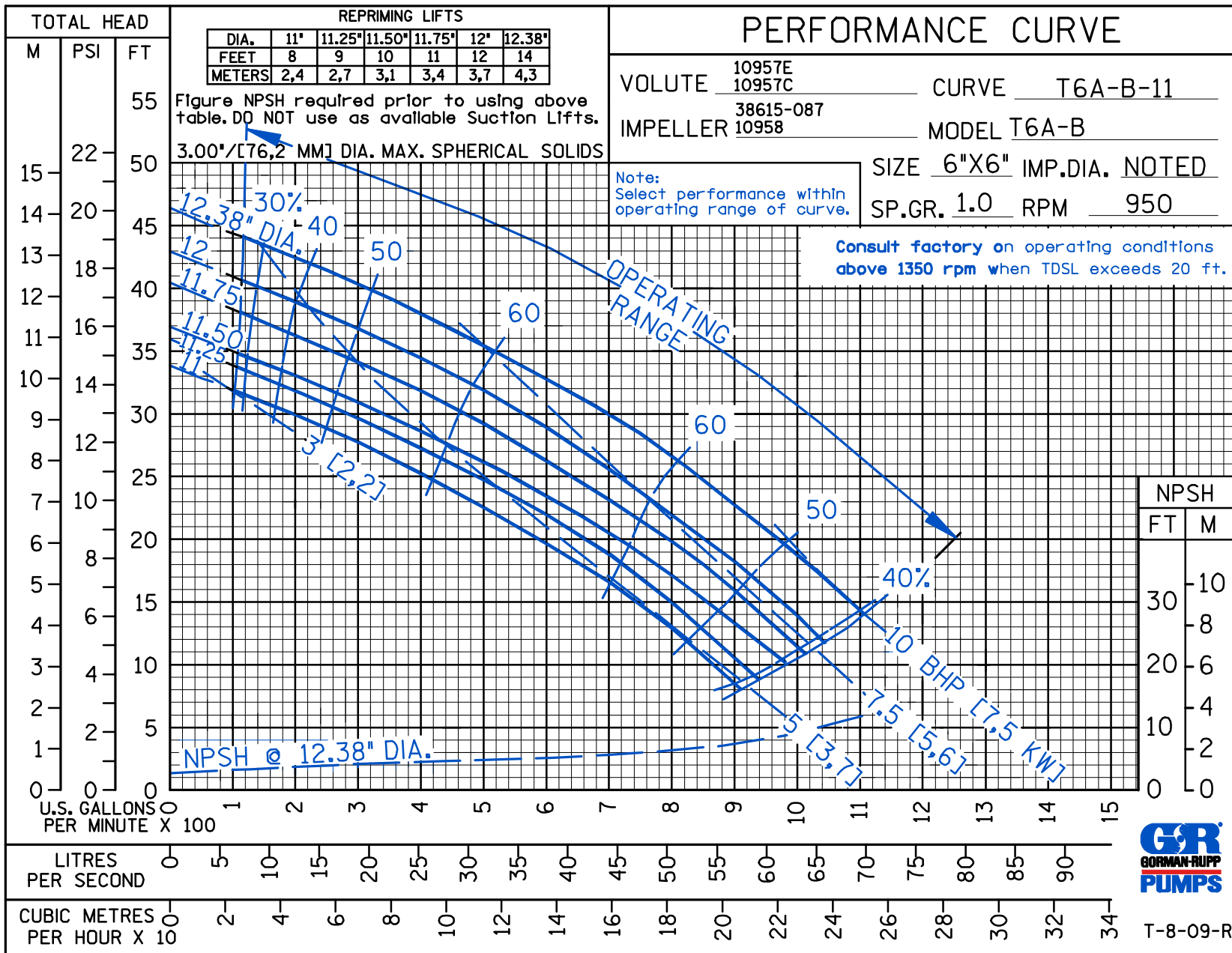
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DS

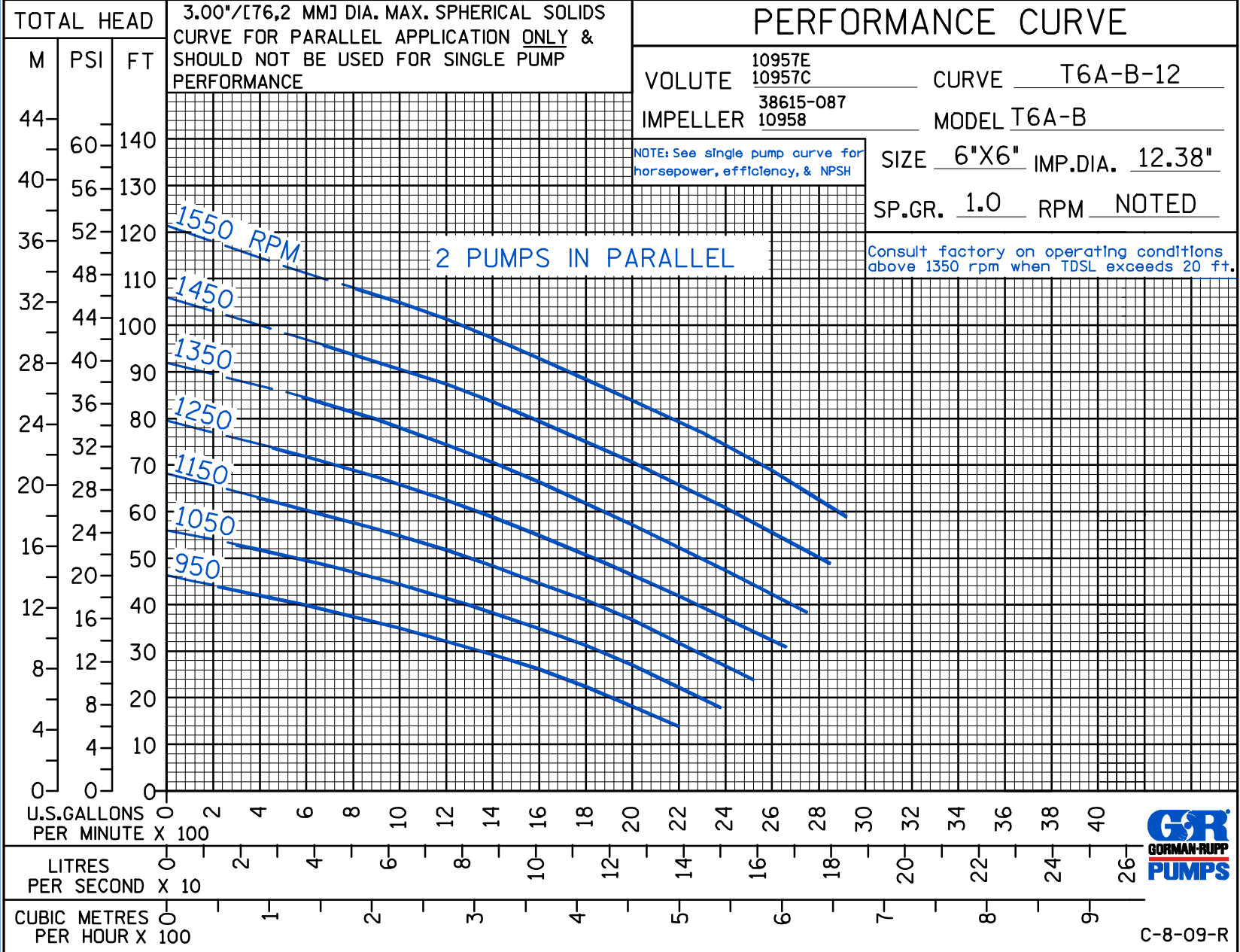
PERFORMANCE CURVE

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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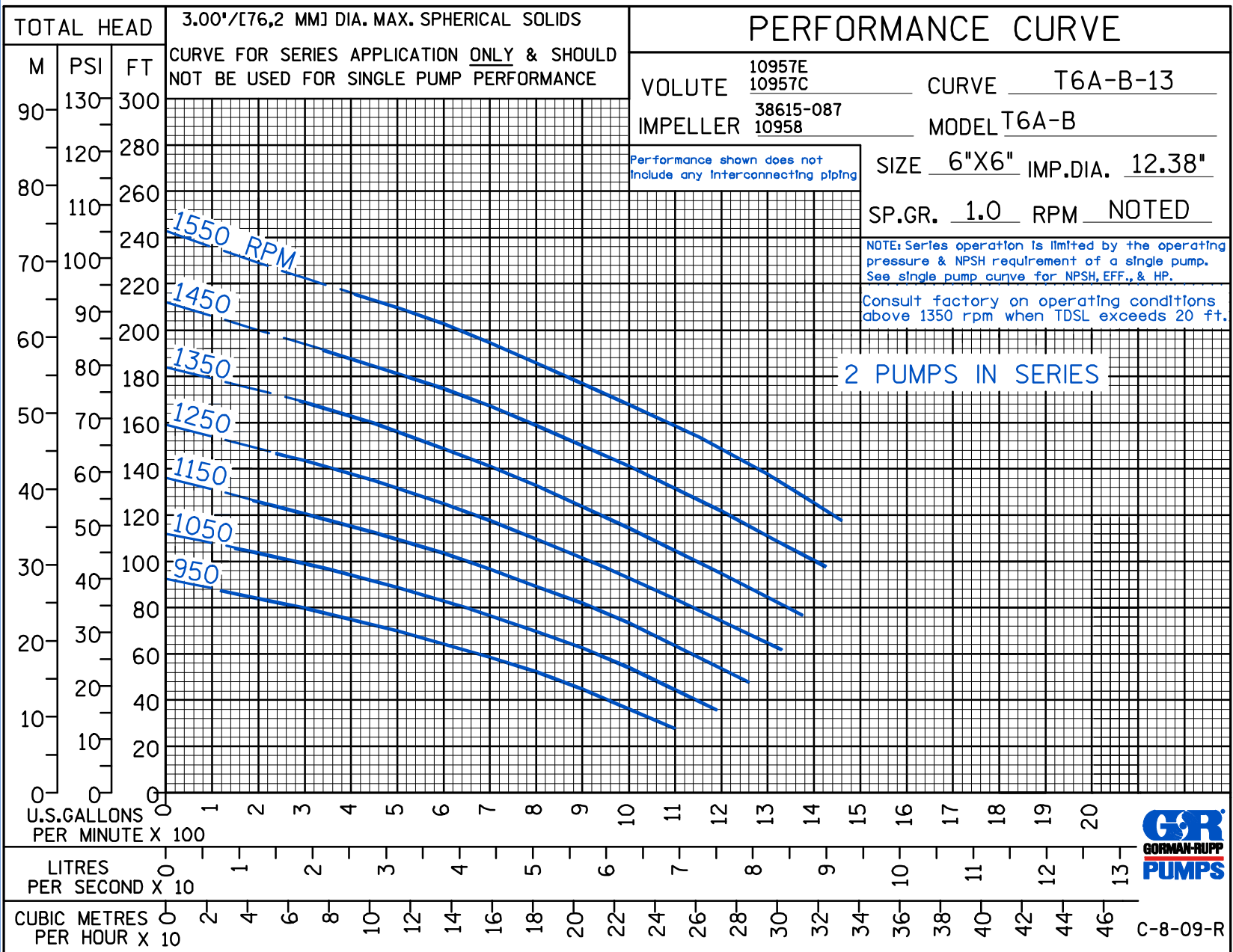
PERFORMANCE CURVE

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

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.

Performance shown does not include any Interconnecting piping

2 PUMPS IN SERIES



C-8-09-R



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