

CDSW

# Self Priming Centrifugal Pump

## Model T6A65S-B

### Size 6" x 6"

**Super**  
**TSERIES**

VARIOUS PATENTS APPLY



#### PUMP SPECIFICATIONS

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

**Casing:** Stainless Steel CD4MCu.

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

**Semi-Open Type, Two Vane Impeller:** Stainless Steel CD4MCu.  
Handles 3" (76,2 mm) Diameter Spherical Solids.

**Impeller Shaft:** Stainless Steel 17-4 PH.

**Replaceable Wear Plate:** Stainless Steel CD4MCu.

**Removable Adjustable Cover Plate:** Stainless Steel CD4MCu;  
64 lbs. (29 kg).

**Seal Plate:** Stainless Steel CD4MCu.

**Flap Valve:** Fluorocarbon (DuPont Viton® or Equivalent) w/Stainless Steel Reinforcing.

**Bearing Housing:** Stainless Steel CD4MCu.

**Radial Bearing:** Open Single Row Ball.

**Thrust Bearing:** Open Double Row Ball.

**Bearing and Seal Cavity Lubrication:** SAE 30 Non-Detergent Oil.

**Suction Flange:** 125# Stainless Steel CD4MCu.

**Discharge Flange:** 125# Stainless Steel 316.

**Gaskets:** Fluorocarbon (DuPont Viton® or Equivalent), PTFE, Cork, and Rubber.

**O-Rings:** Fluorocarbon (DuPont Viton® or Equivalent).

**Hardware:** Stainless Steel 316.

**Pressure Relief Valve:** Stainless Steel 316.

**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. Self-Cleaning Wear Plate.

Stainless Steel CD4MCu Suction and Discharge Spool Flanges:

6" ASA (**Specify Model T6A65S-B /F**).

150 mm DIN 2527 (PN16) (**Specify Model T6A65S-B /FM**).

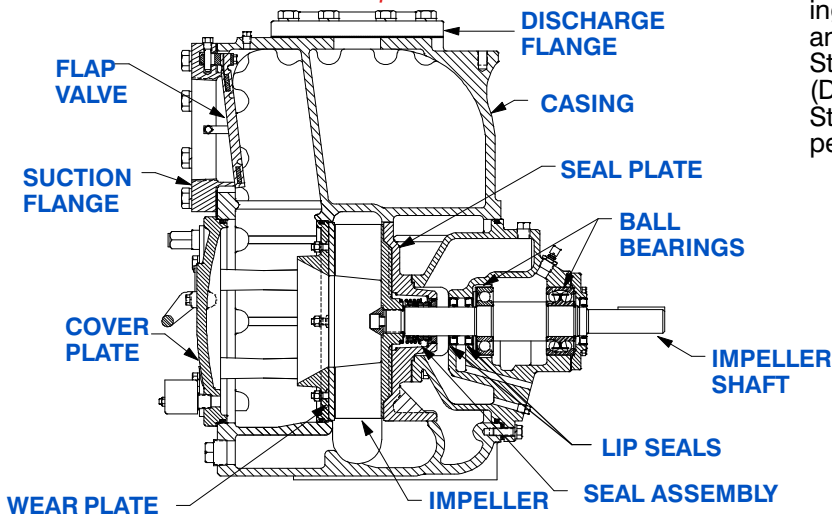
*\*Consult Factory for Applications Exceeding  
Maximum Pressure and/or Temperature Indicated.*



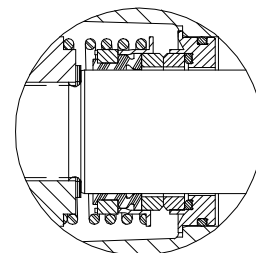
Shown with Optional Suction & Discharge Spool Flanges (Available in ASA or DIN Standard Sizes).

#### 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 316 Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).\*



#### SEAL DETAIL



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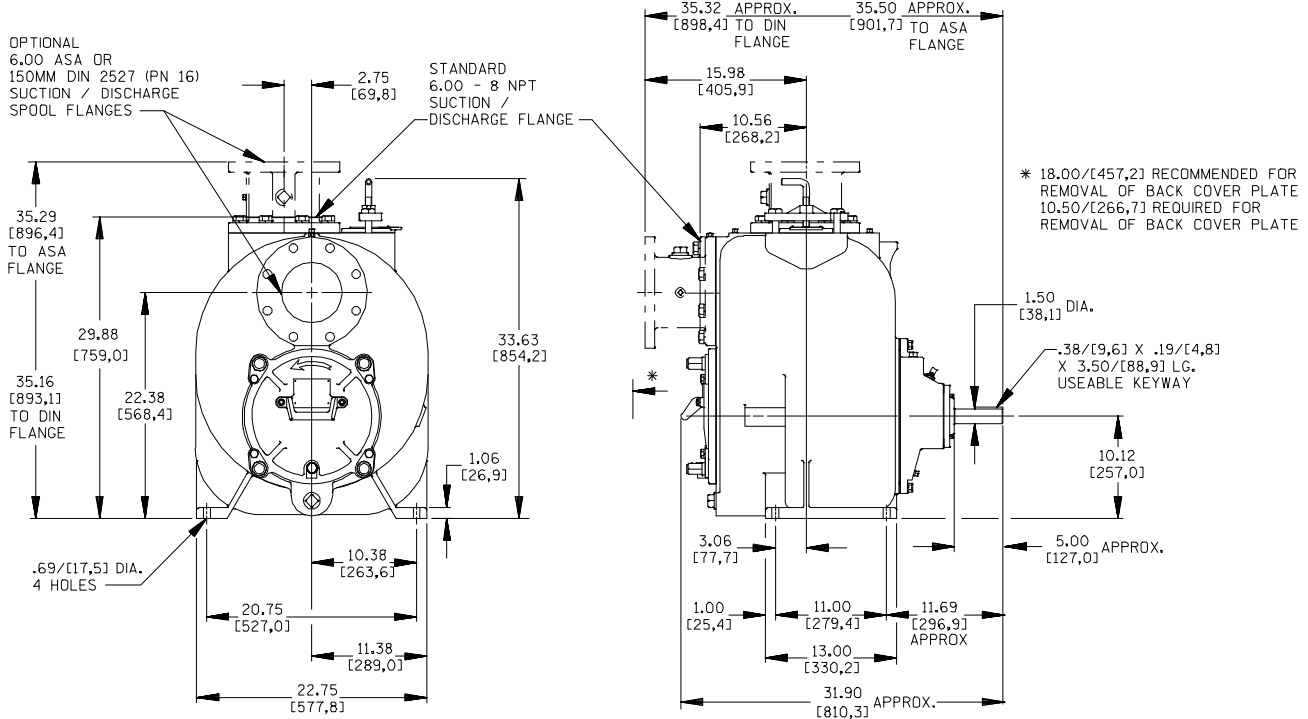
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**Specification Data**

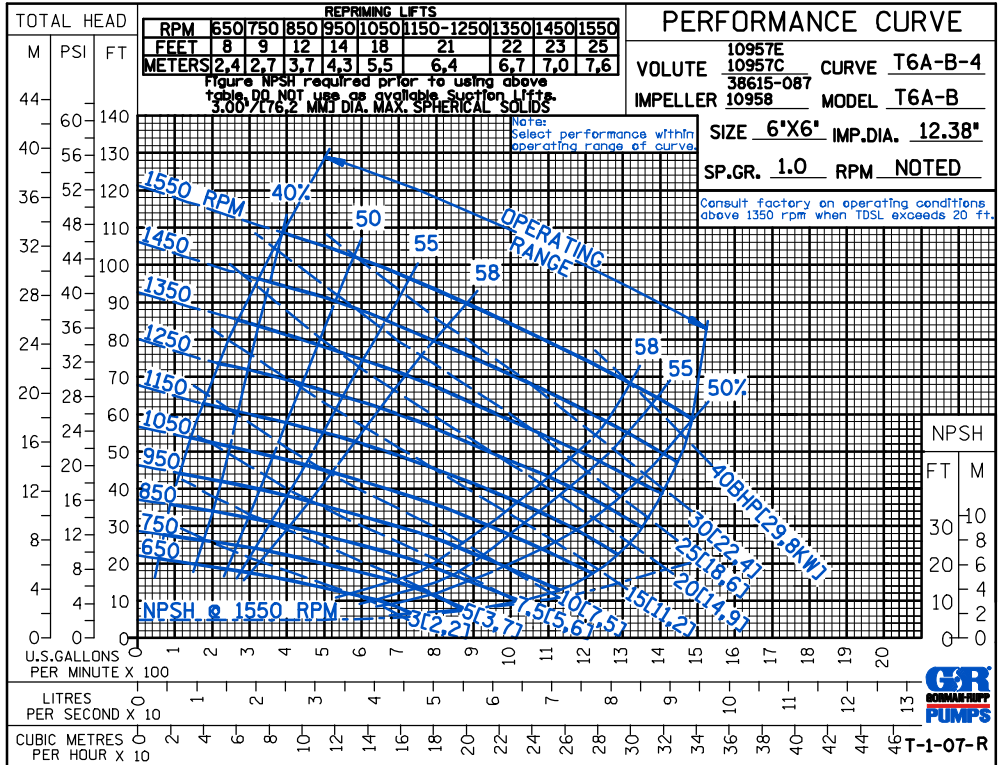
**APPROXIMATE DIMENSIONS and WEIGHTS**

**NET WEIGHT: 875 LBS. (397 KG.)\***  
**SHIPPING WEIGHT: 930 LBS. (422 KG.)\***  
**EXPORT CRATE: 32.5 CU. FT. (0,92 CU. M.)**  
**\*ADD 30 LBS. (13,6 KG.) W/EACH SPOOL FLANGE**

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**NOTE: OPTIONAL ASA OR DIN STANDARD SUCTION & DISCHARGE SPOOL FLANGES AVAILABLE**



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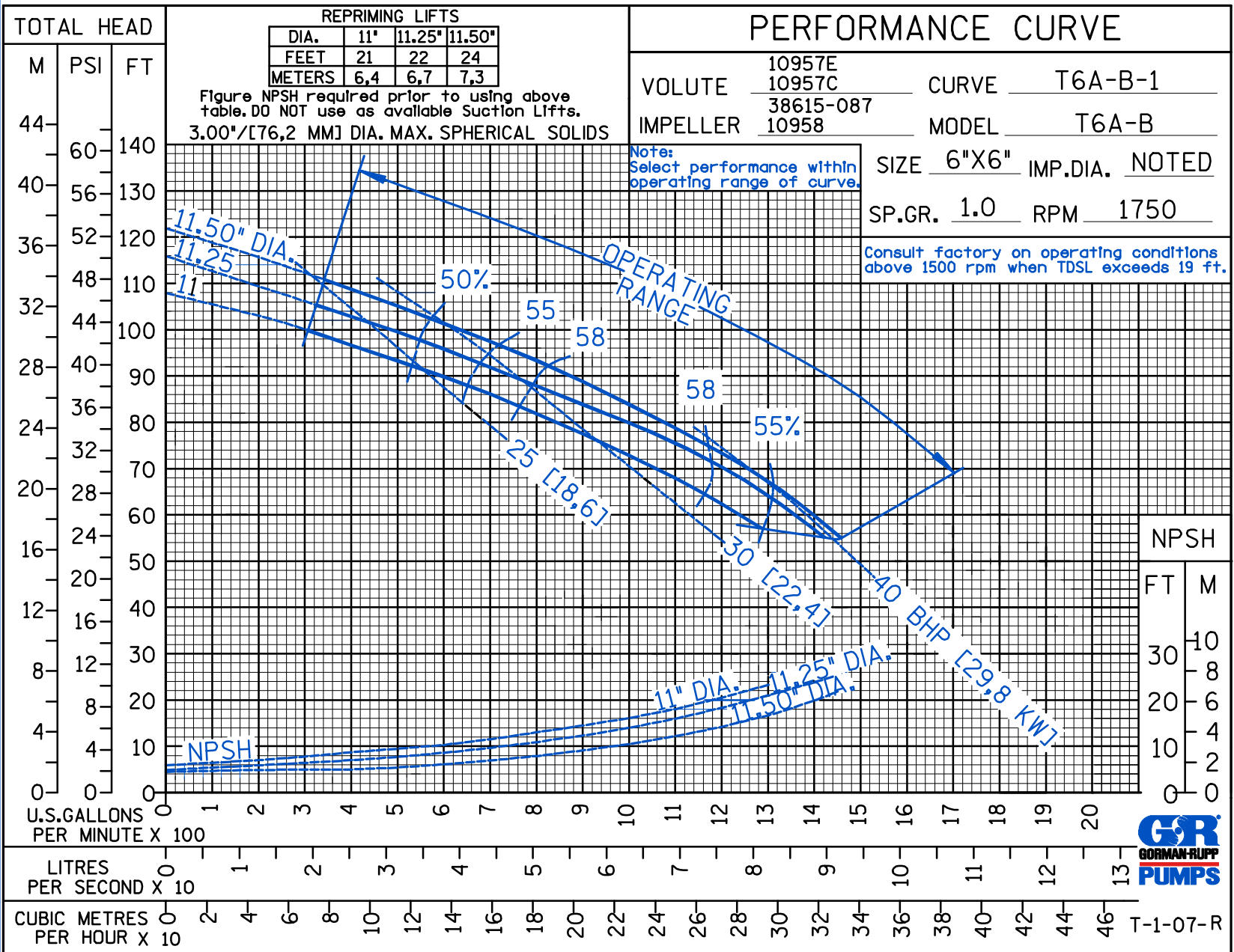
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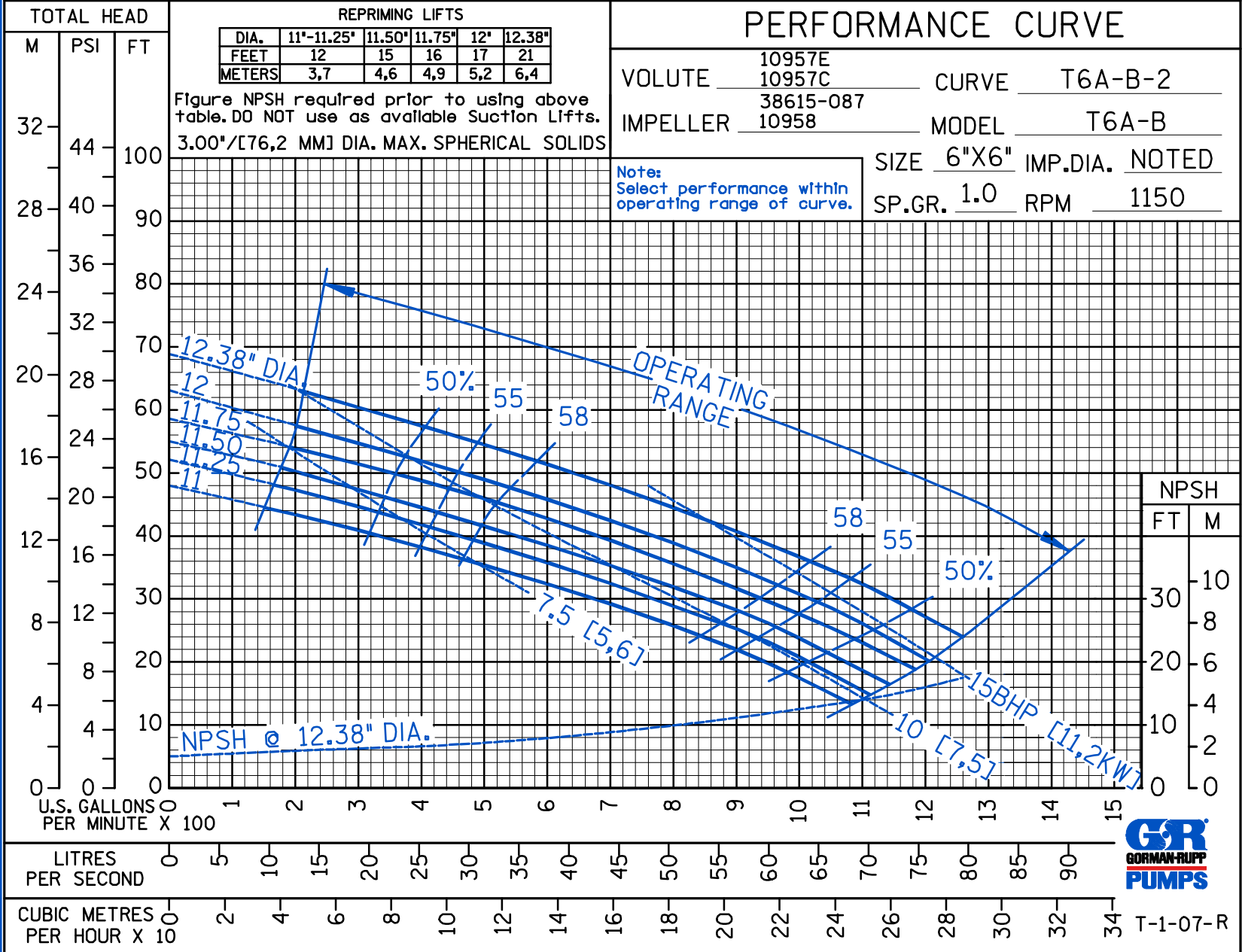


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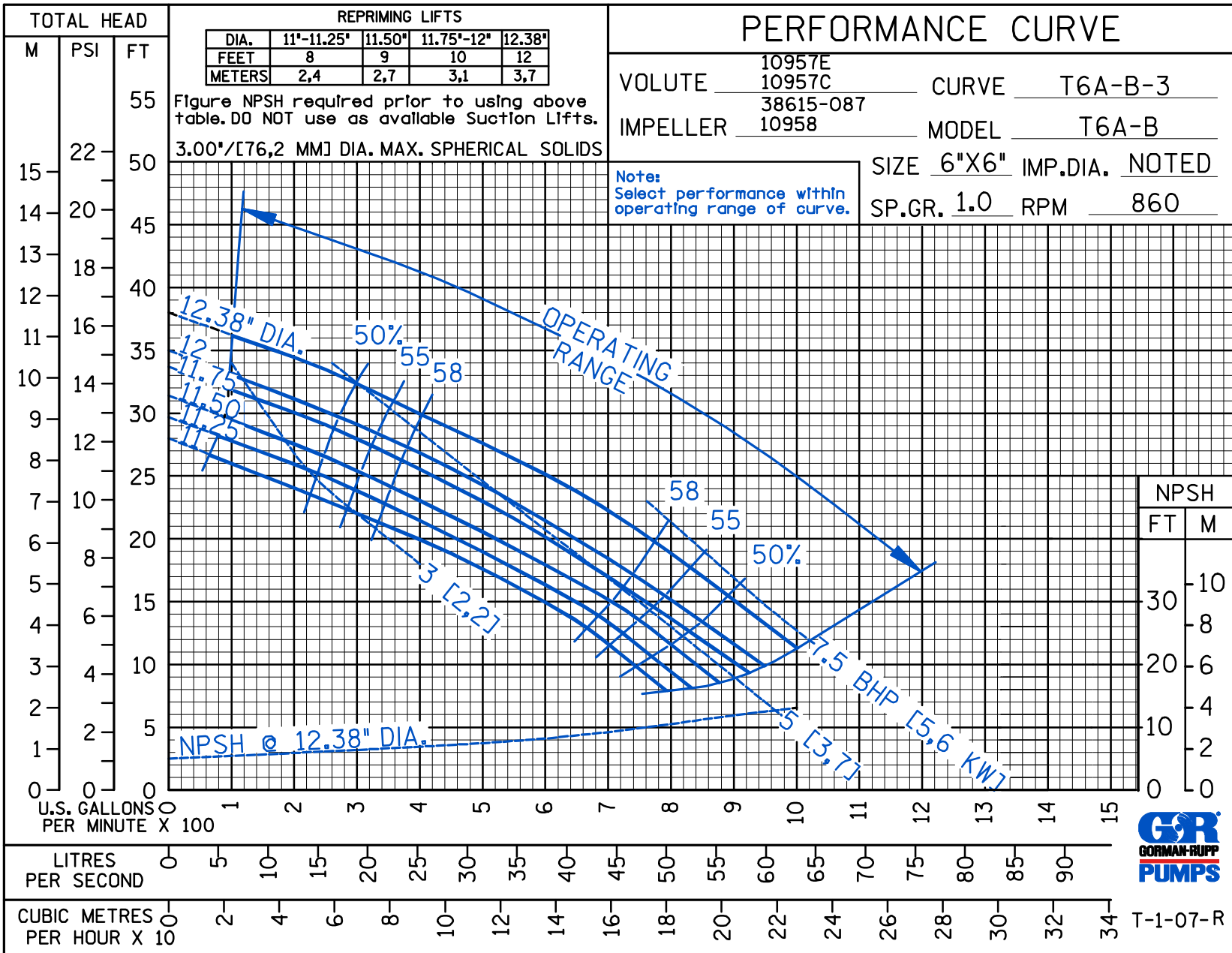
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PERFORMANCE CURVE

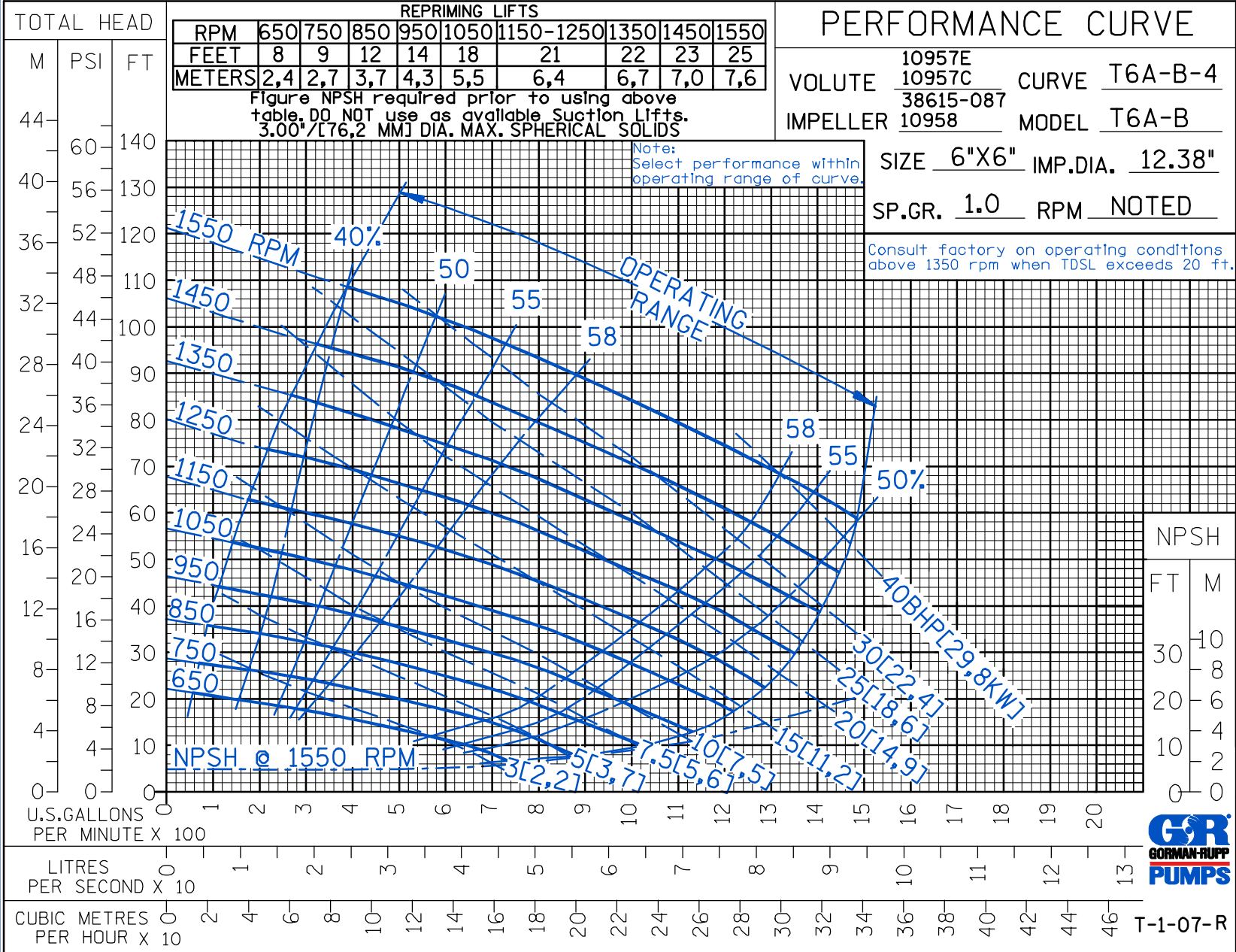
VOLUTE 10957E  
 10957C CURVE T6A-B-4  
 38615-087  
 IMPELLER 10958 MODEL T6A-B  
 SIZE 6"X6" IMP.DIA. 12.38"  
 SP.GR. 1.0 RPM NOTED

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

REPRIMING LIFTS									
RPM	650	750	850	950	1050	1150-1250	1350	1450	1550
FEET	8	9	12	14	18	21	22	23	25
METERS	2,4	2,7	3,7	4,3	5,5	6,4	6,7	7,0	7,6

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

Note:  
 Select performance within operating range of curve.



NPSH

FT M

30 10

8 8

20 6

10 4

0 2

0 0

0 0

0 0

0 0

0 0

0 0

0 0

0 0

0 0

0 0

0 0

0 0

0 0

0 0

0 0

T-1-07-R



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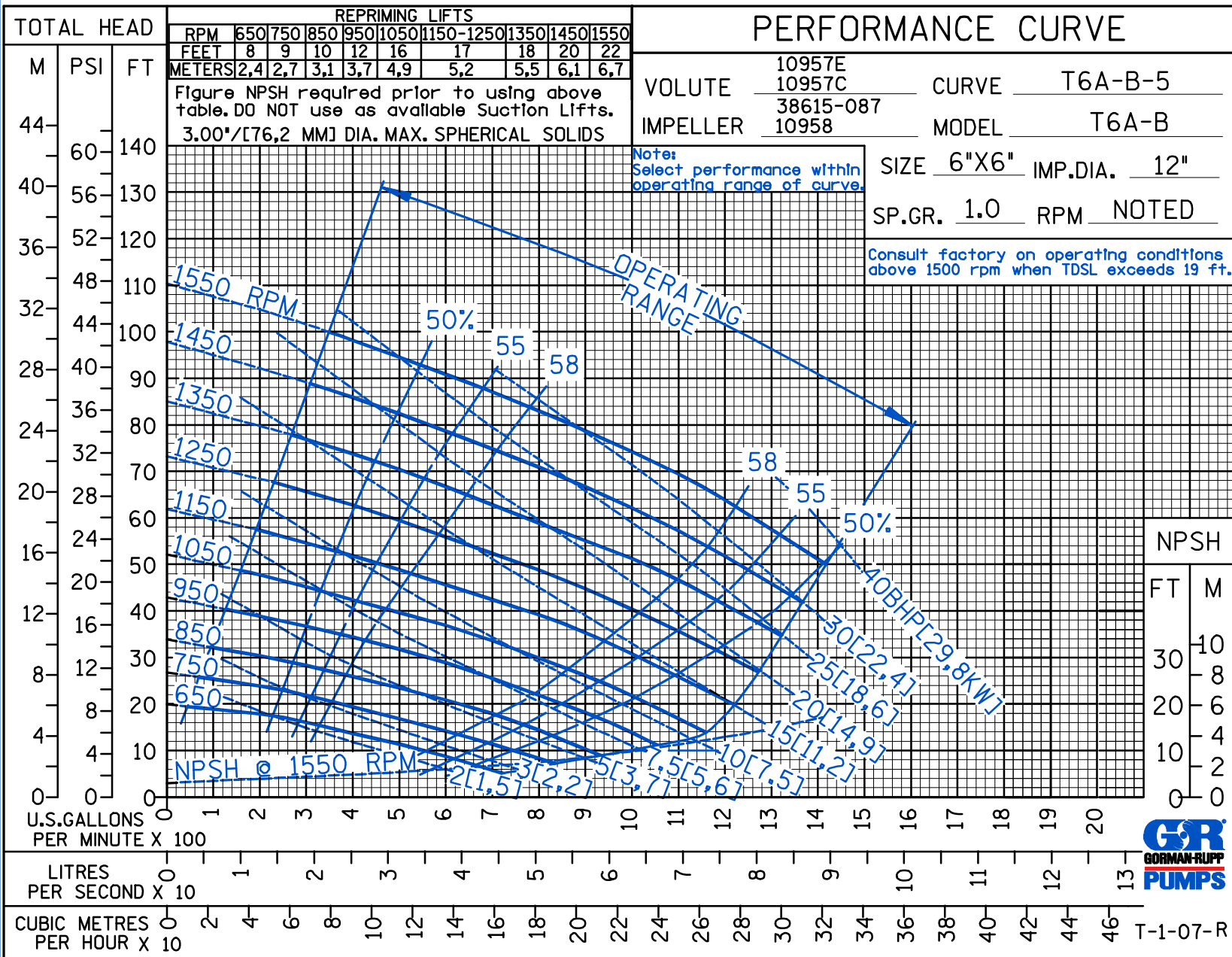
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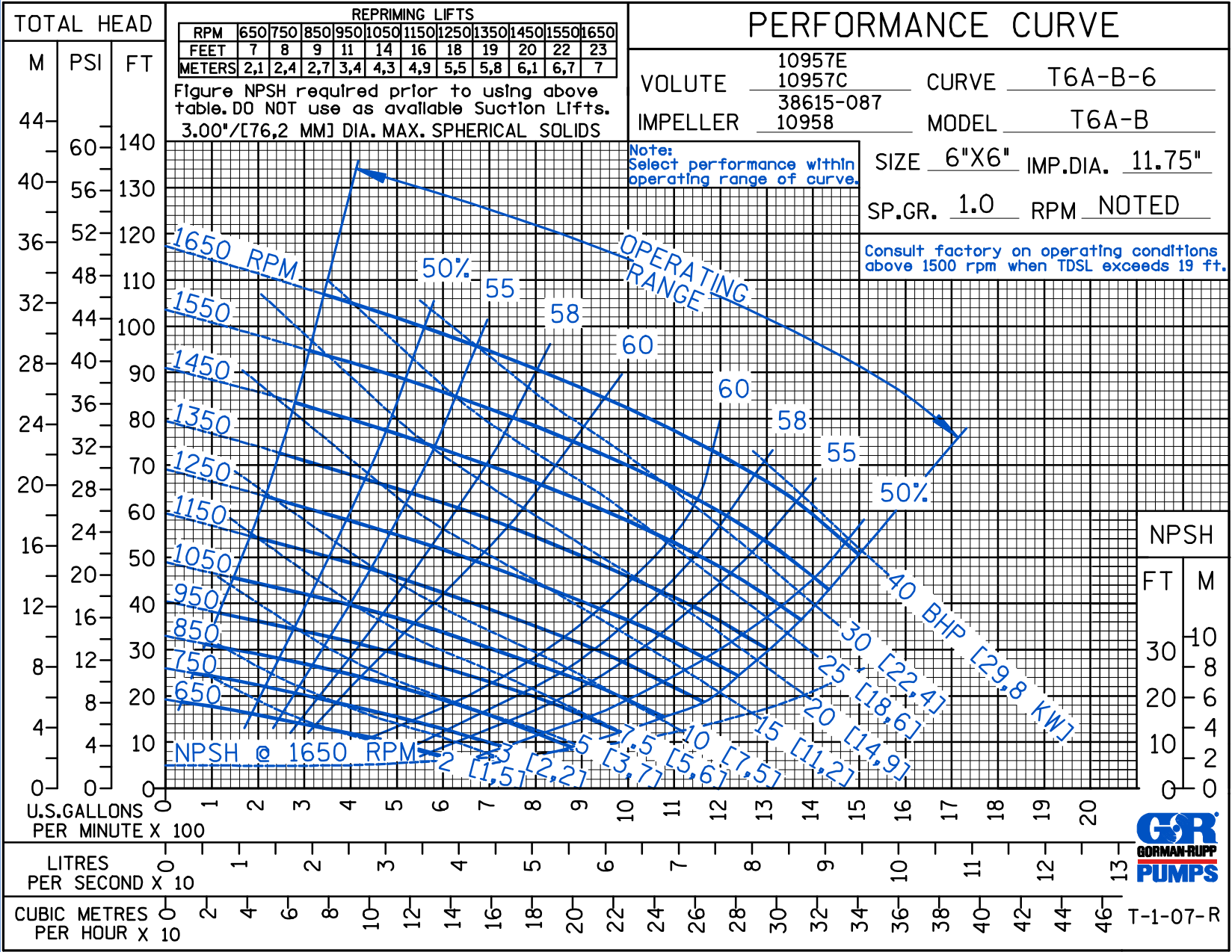


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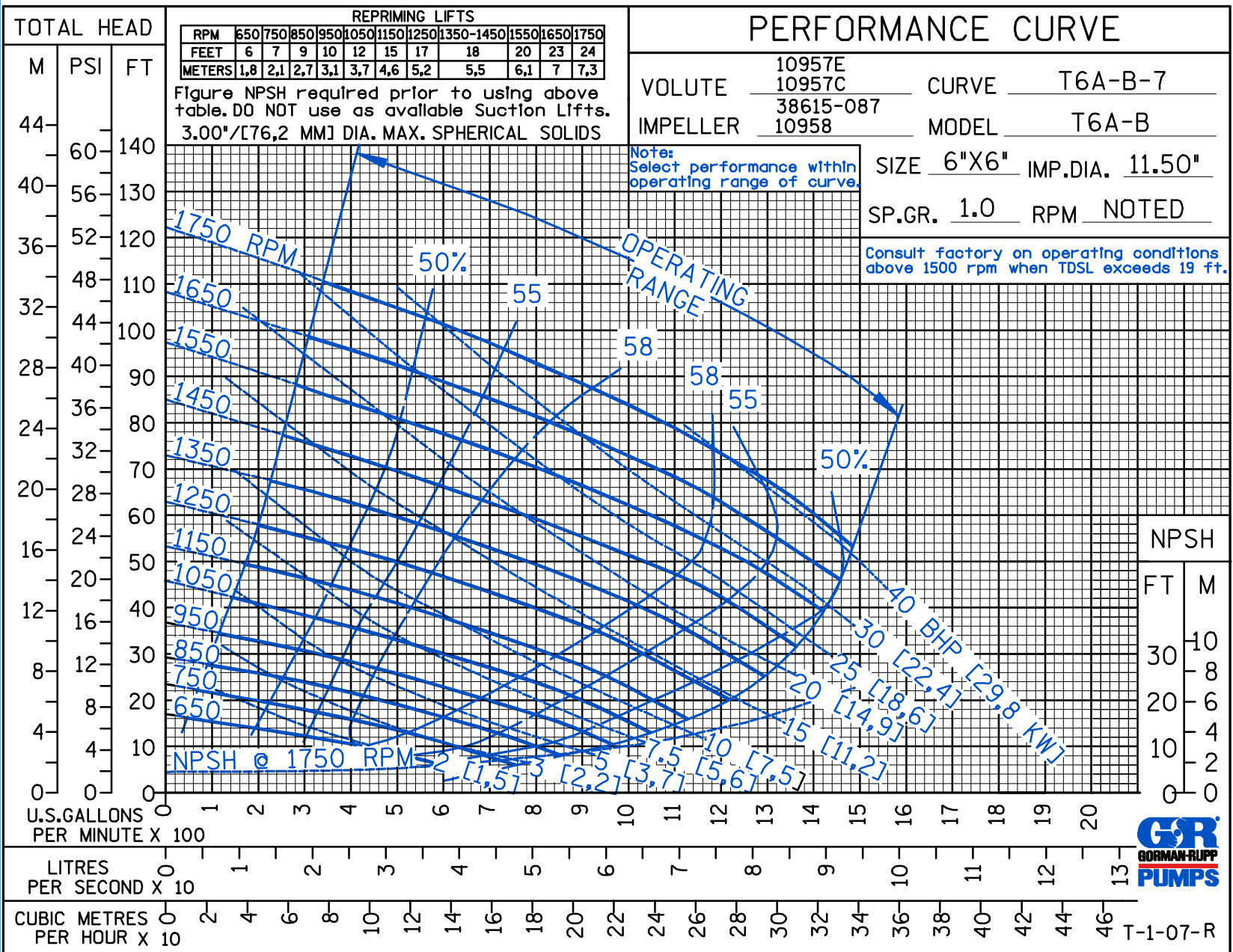
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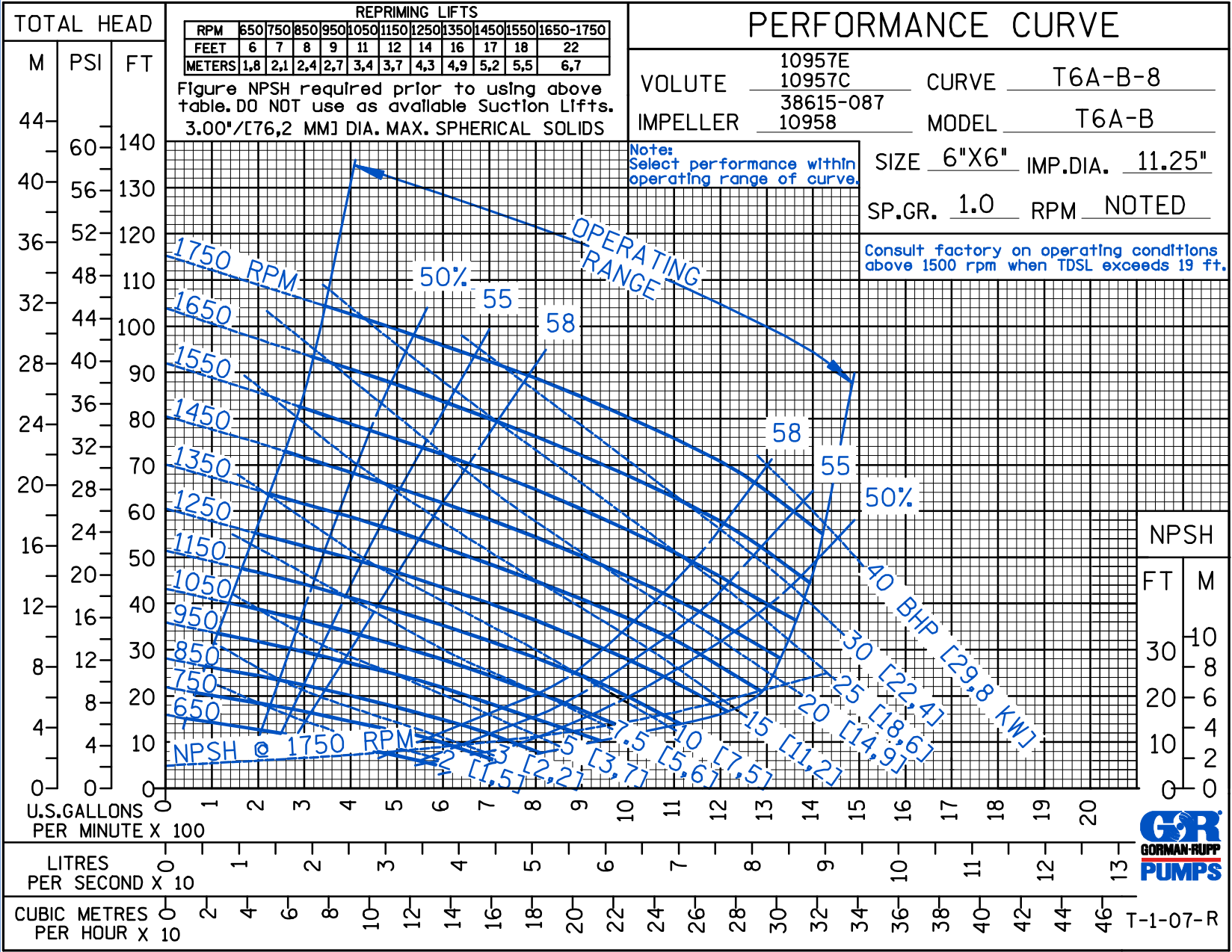


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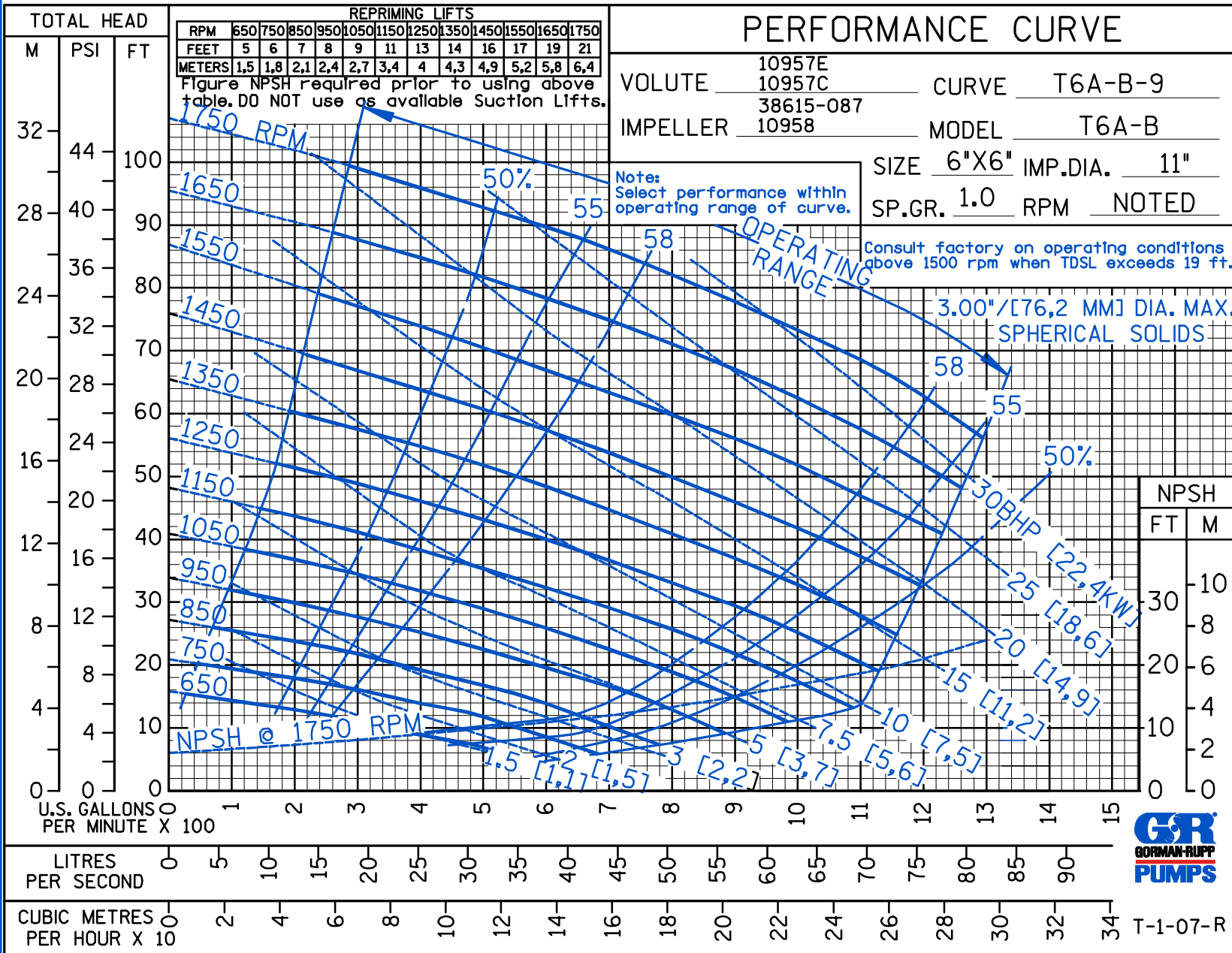
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PERFORMANCE CURVE

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

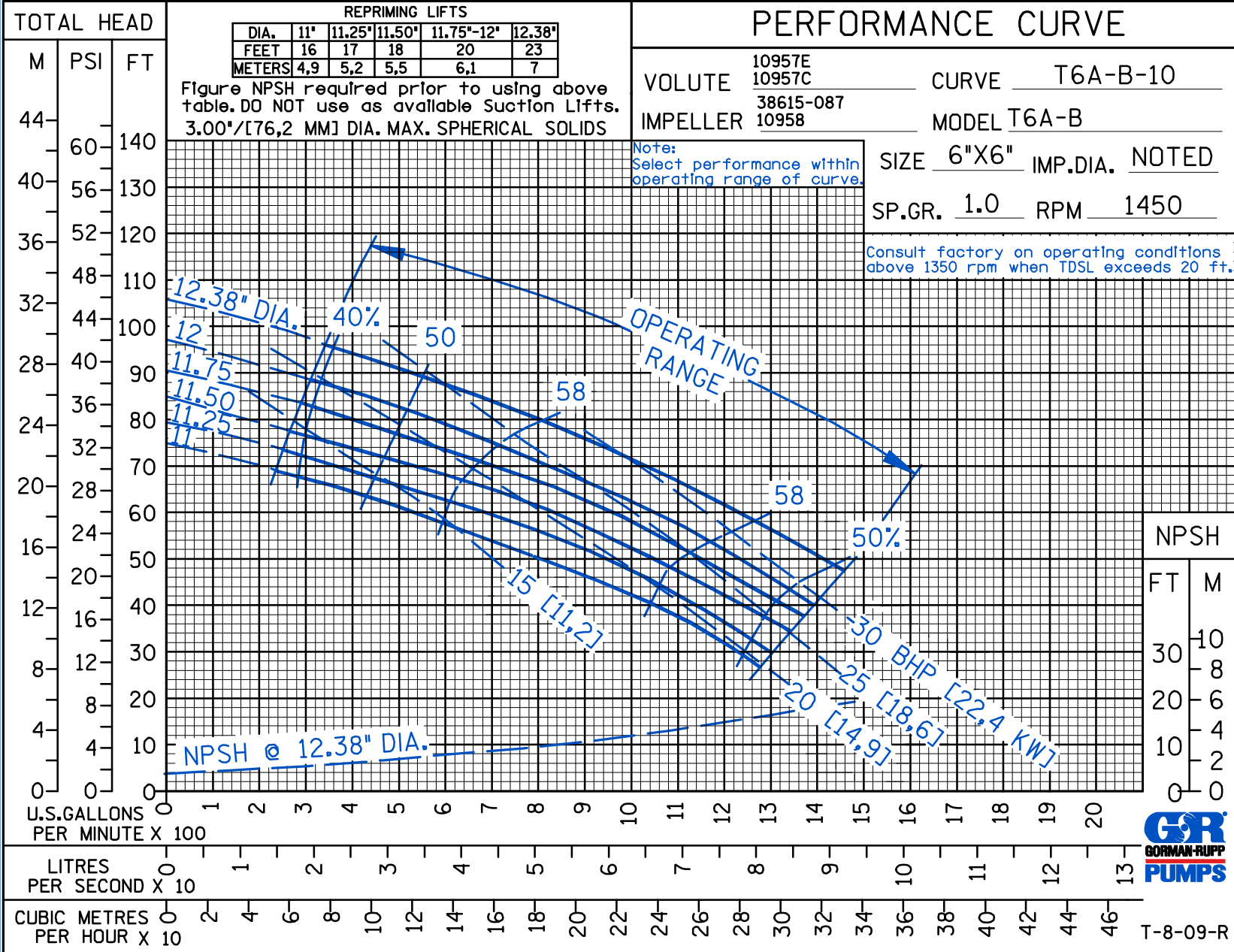
SIZE 6"X6" IMP.DIA. NOTED  
 SP.GR. 1.0 RPM 1450

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

T-8-09-R



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DS

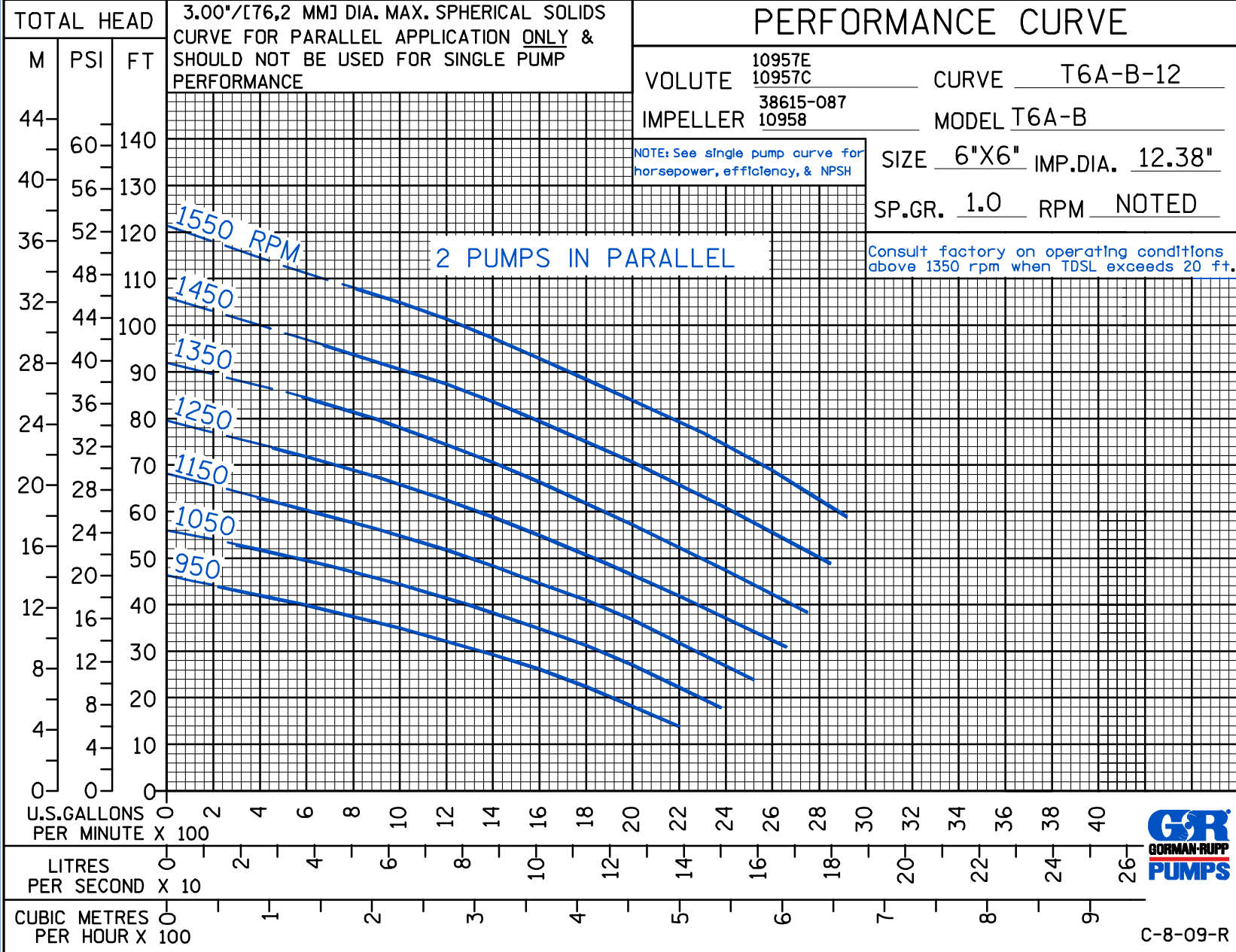
# PERFORMANCE CURVE

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

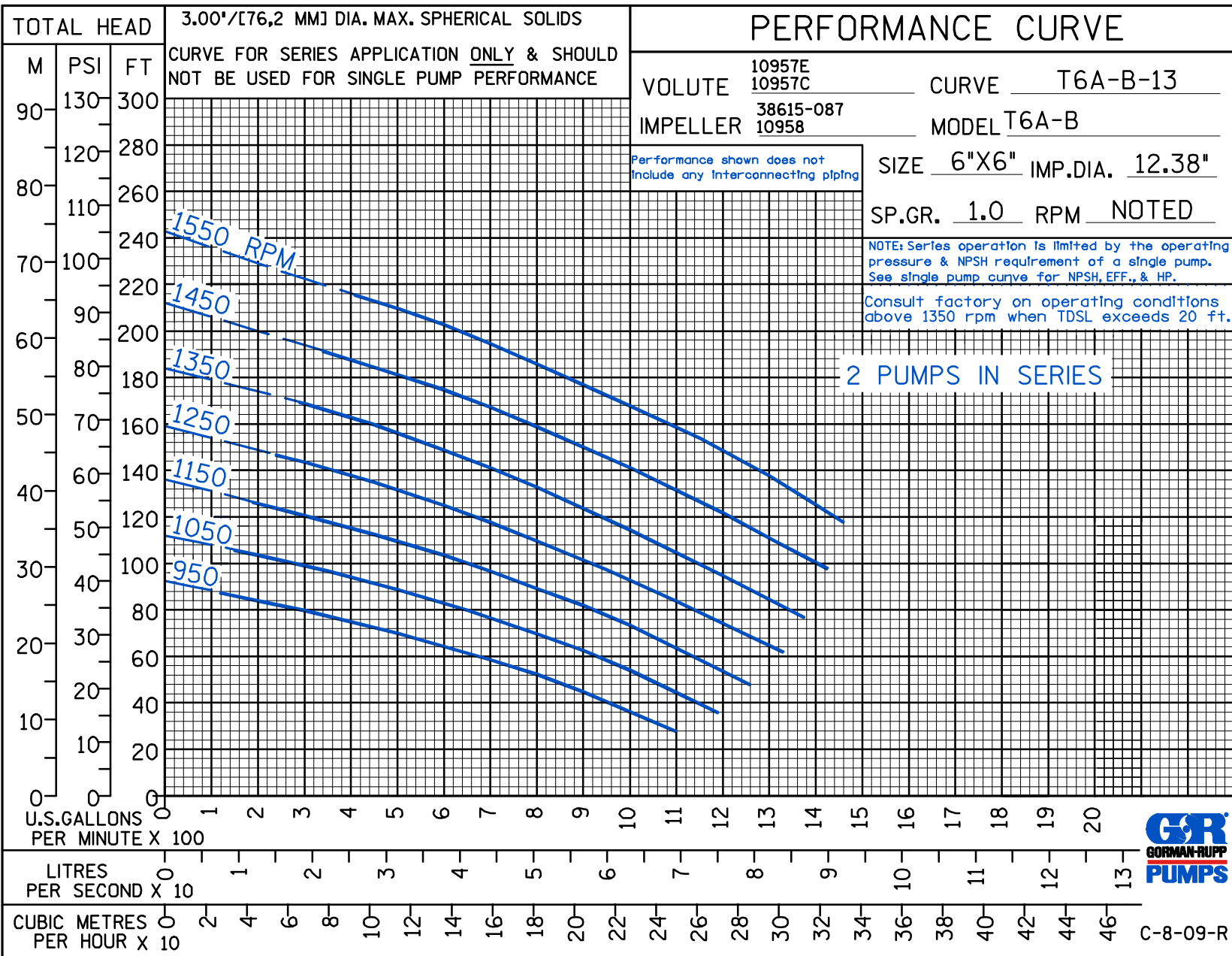
VOLUTE 10957E 10957C CURVE T6A-B-13  
 IMPELLER 38615-087 10958 MODEL T6A-B  
 SIZE 6"X6" IMP.DIA. 12.38"  
 SP.GR. 1.0 RPM NOTED

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



C-8-09-R



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