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# Self Priming Centrifugal Pump

**Super  
T SERIES**

VARIOUS PATENTS APPLY

**Model T6A3S-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:** Ductile Iron 65-45-12.

Handles 3" (76.2 mm) Diameter Spherical Solids.

**Impeller Shaft:** Alloy Steel 4150.**Shaft Sleeve:** Alloy Steel 4130.**Replaceable Wear Plate:** Carbon Steel 1026.**Removable Adjustable Cover Plate:** Gray Iron 30; 62 lbs. (28 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, 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

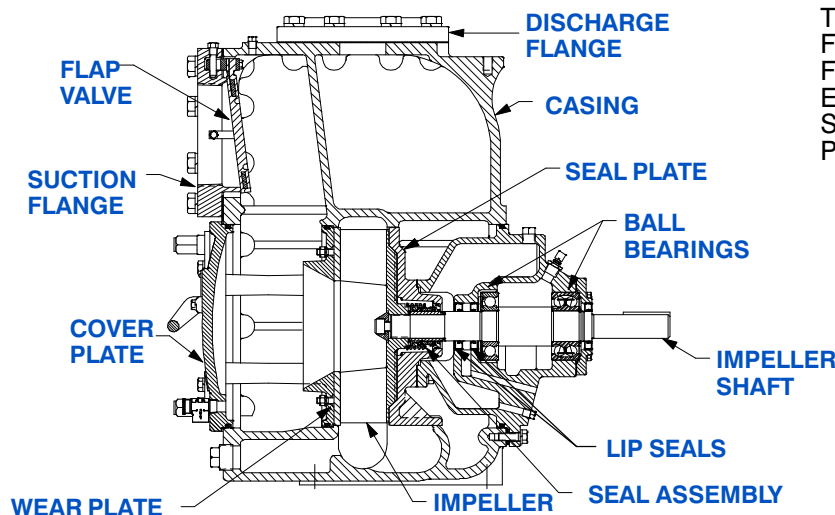
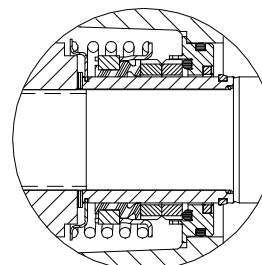
Temperature Shutdown Kit. G-R Hard Iron Casing.

Self-Cleaning Wear Plate.

Gray Iron 30 Suction and Discharge Spool Flanges:

6" ASA (**Specify Model T6A3S-B /F**).150 mm DIN 2527 (PN16) (**Specify Model T6A3S-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****THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO**

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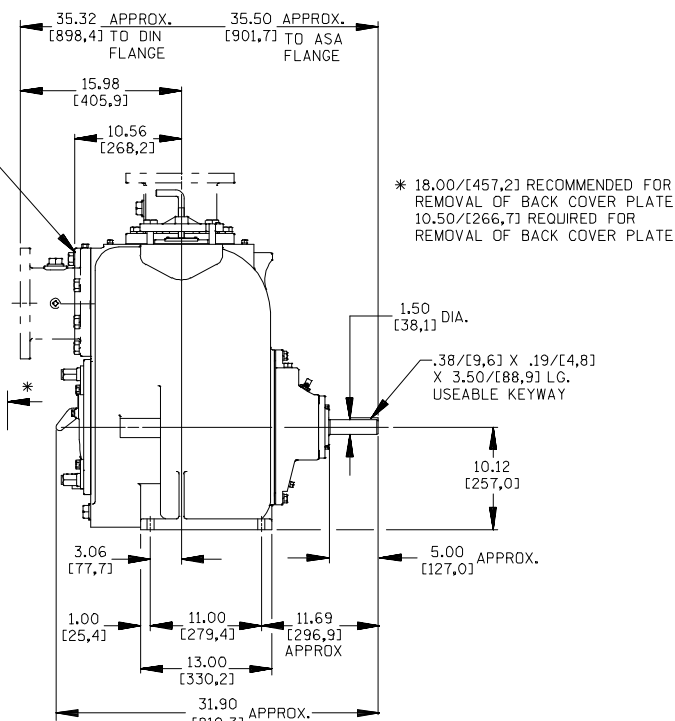
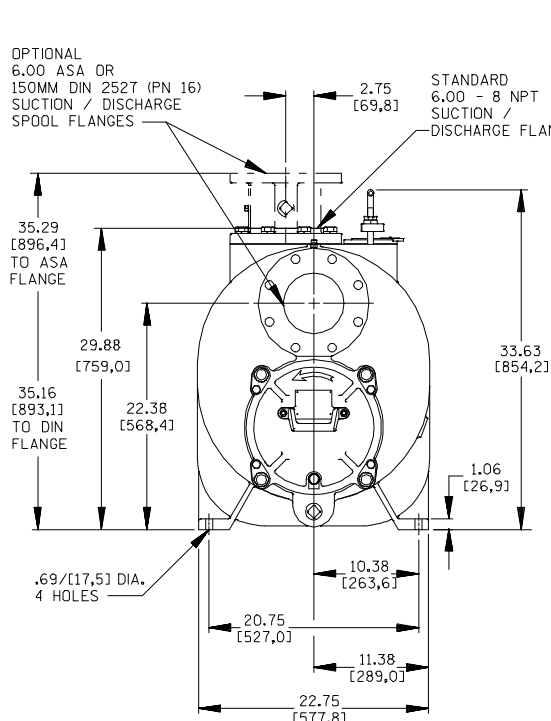
# Specification Data

SECTION 55, PAGE 2200

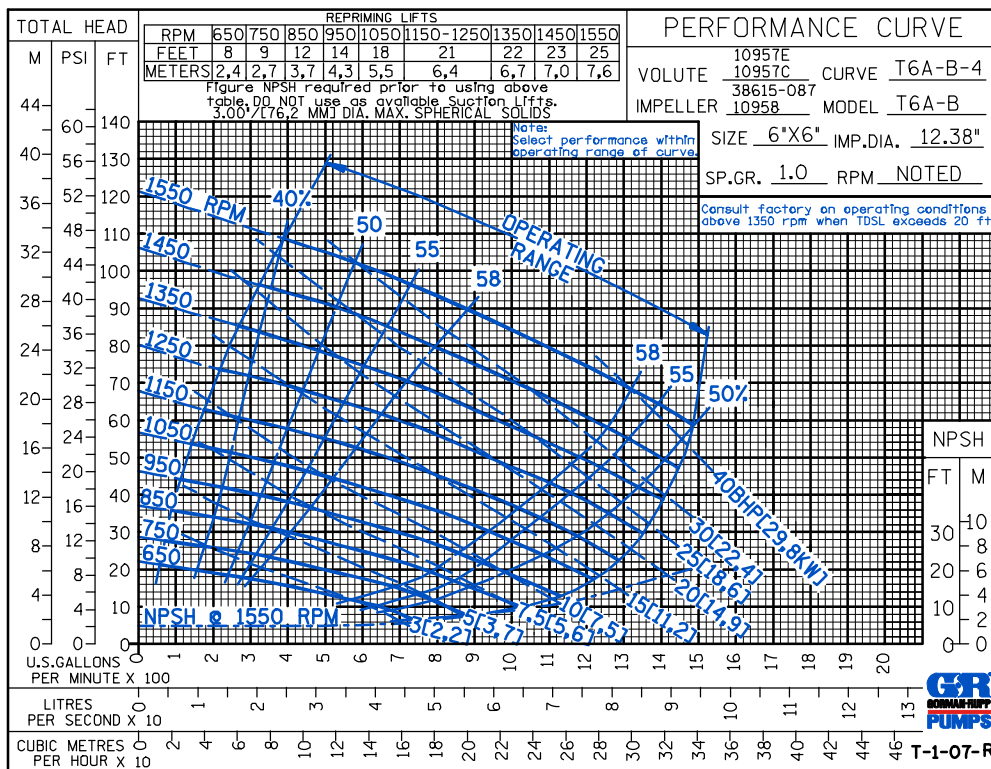
## APPROXIMATE DIMENSIONS and WEIGHTS

**NET WEIGHT:** 855 LBS. (388 KG.)\*  
**SHIPPING WEIGHT:** 910 LBS. (413 KG.)\*  
**EXPORT CRATE:** 32.5 CU. FT. (0,92 CU. M.)  
**\*ADD 25 LBS. (11,3 KG.) W/EACH SPOOL FLANGE**

OPTIONAL  
6.00 ASA OR  
150MM DIN 252T (PN 16)  
SUCTION / DISCHARGE  
SPOOL FLANGES



OPTIONAL ASA OR DIN STANDARD SUCTION & DISCHARGE SPOOL FLANGES AVAILABLE



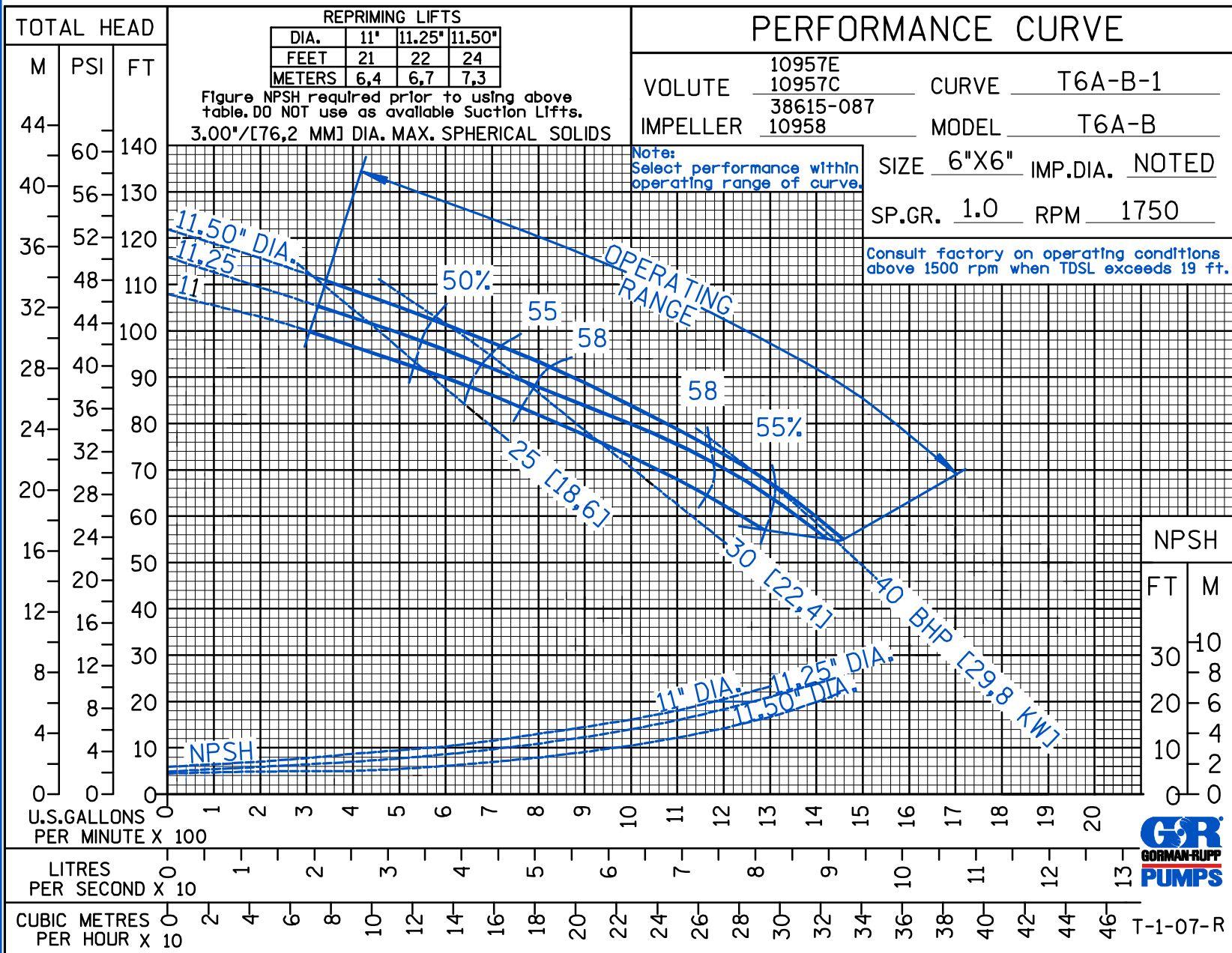
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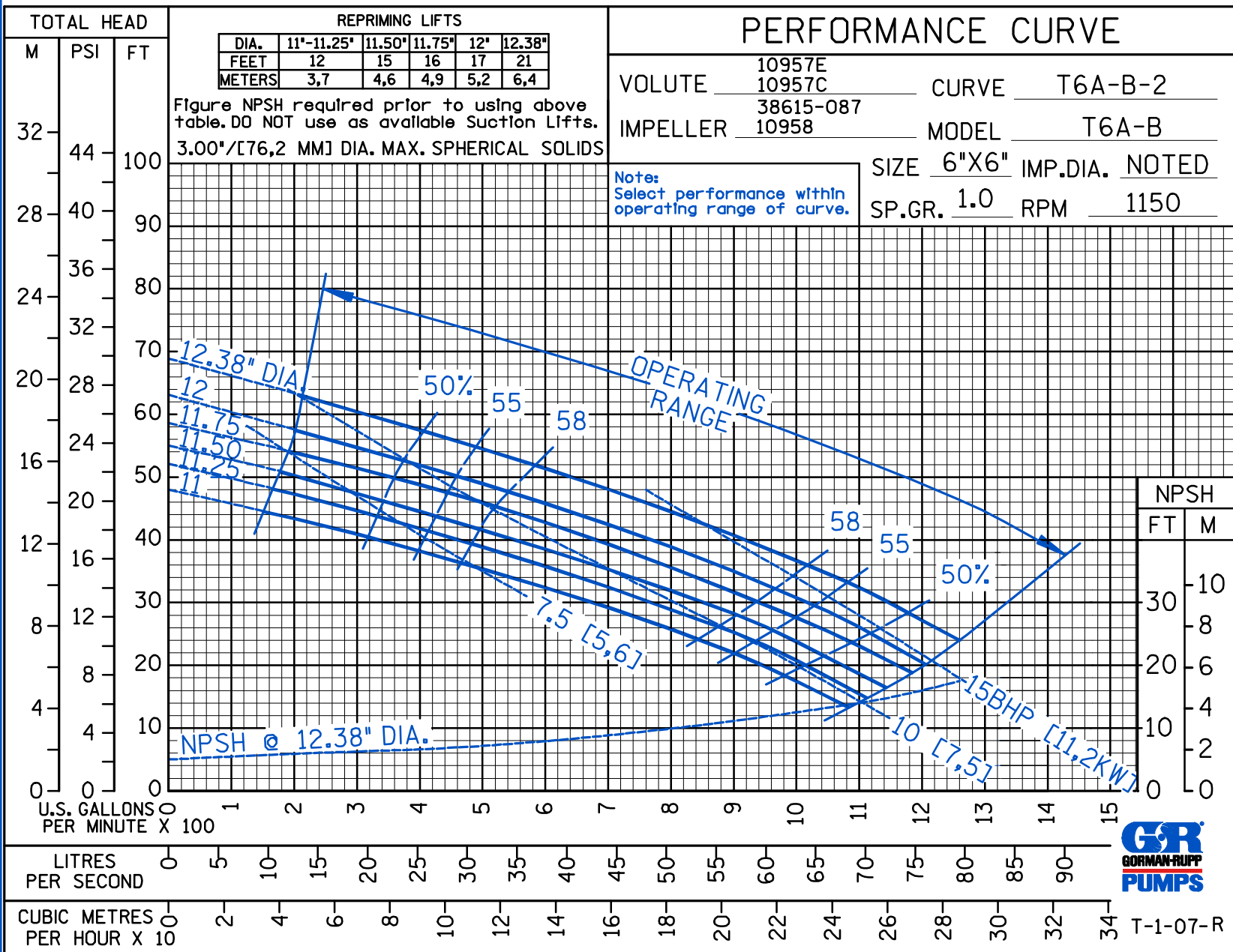
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## PERFORMANCE CURVE

VOLUTE 10957E  
10957C CURVE T6A-B-2  
38615-087  
 IMPELLER 10958 MODEL T6A-B  
 SIZE 6"X6" IMP.DIA. NOTED  
 SP.GR. 1.0 RPM 1150

Note:  
 Select performance within  
 operating range of curve.



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## PERFORMANCE CURVE

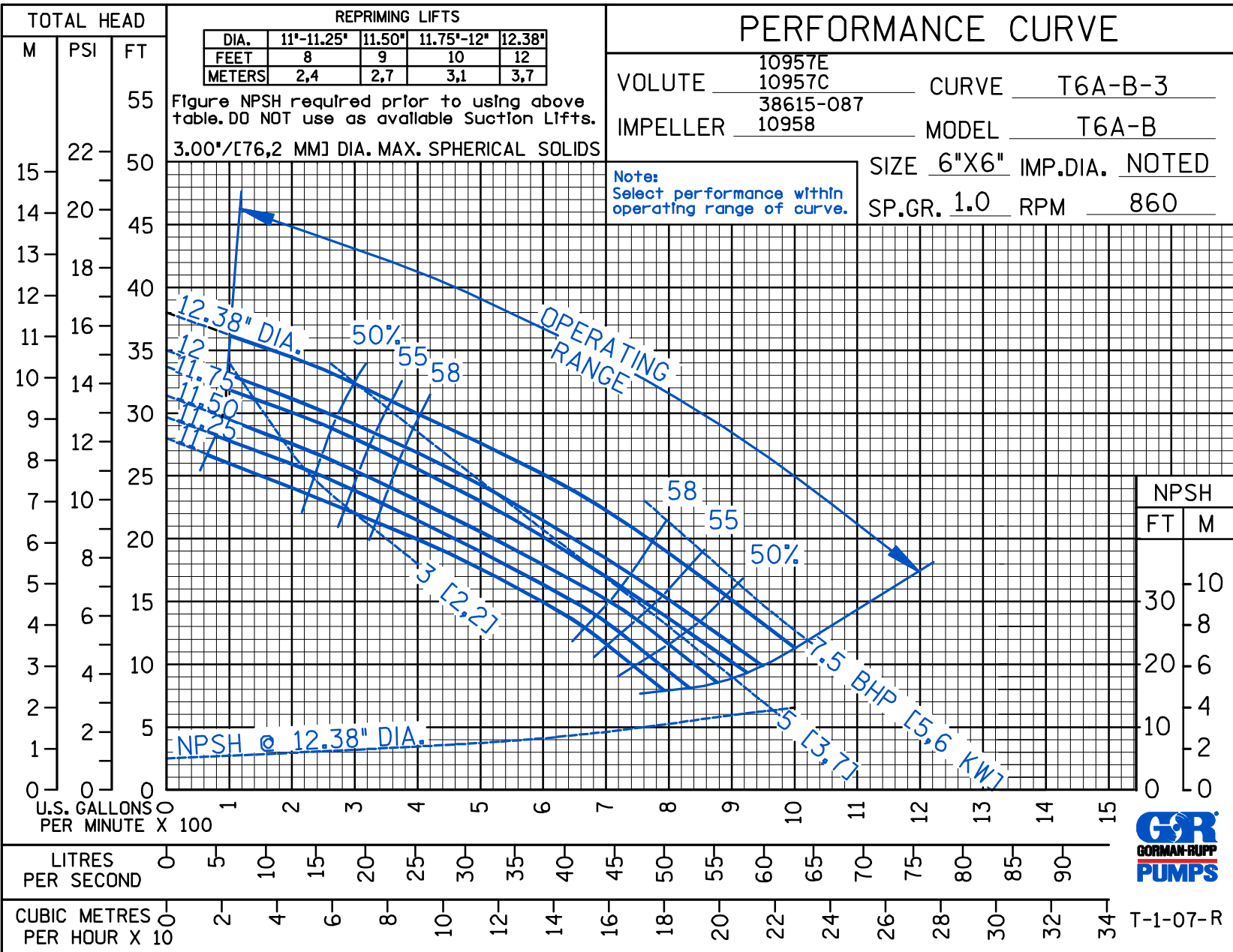
VOLUTE 10957E  
10957C CURVE T6A-B-3  
38615-087  
 IMPELLER 10958 MODEL T6A-B  
 SIZE 6"X6" IMP.DIA. NOTED  
 SP.GR. 1.0 RPM 860

Note:  
 Select performance within  
 operating range of curve.

| REPRIMING LIFTS |            |        |            |        |
|-----------------|------------|--------|------------|--------|
| DIA.            | 11"-11.25" | 11.50" | 11.75"-12" | 12.38" |
| FEET            | 8          | 9      | 10         | 12     |
| METERS          | 2,4        | 2,7    | 3,1        | 3,7    |

Figure NPSH required prior to using above table. DO NOT use as available Suction Lifts.

3.00"/[76,2 MM] DIA. MAX. SPHERICAL SOLIDS



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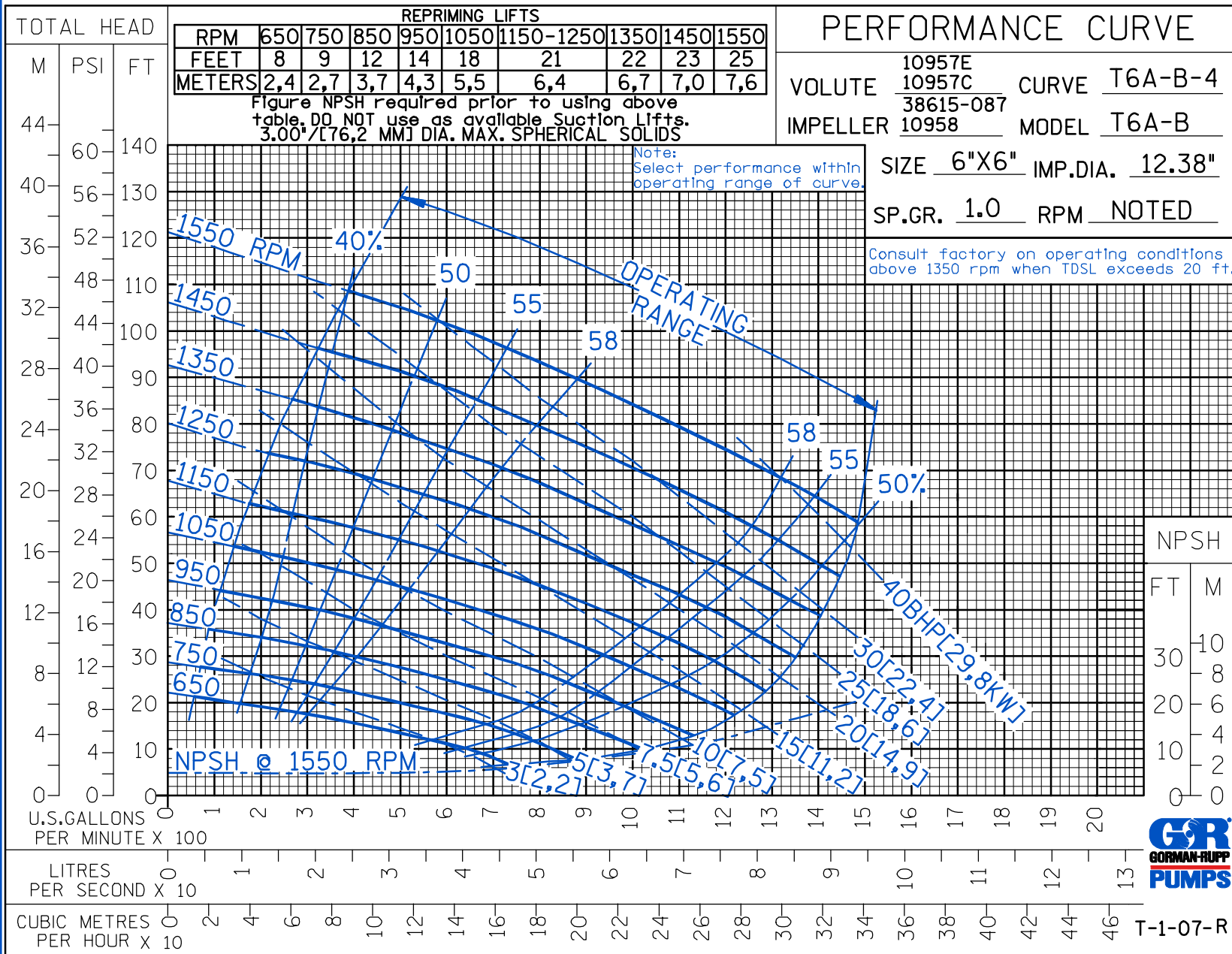
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## PERFORMANCE CURVE

VOLUTE 10957E  
10957C  
38615-087  
IMPELLER 10958  
CURVE T6A-B-4  
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.



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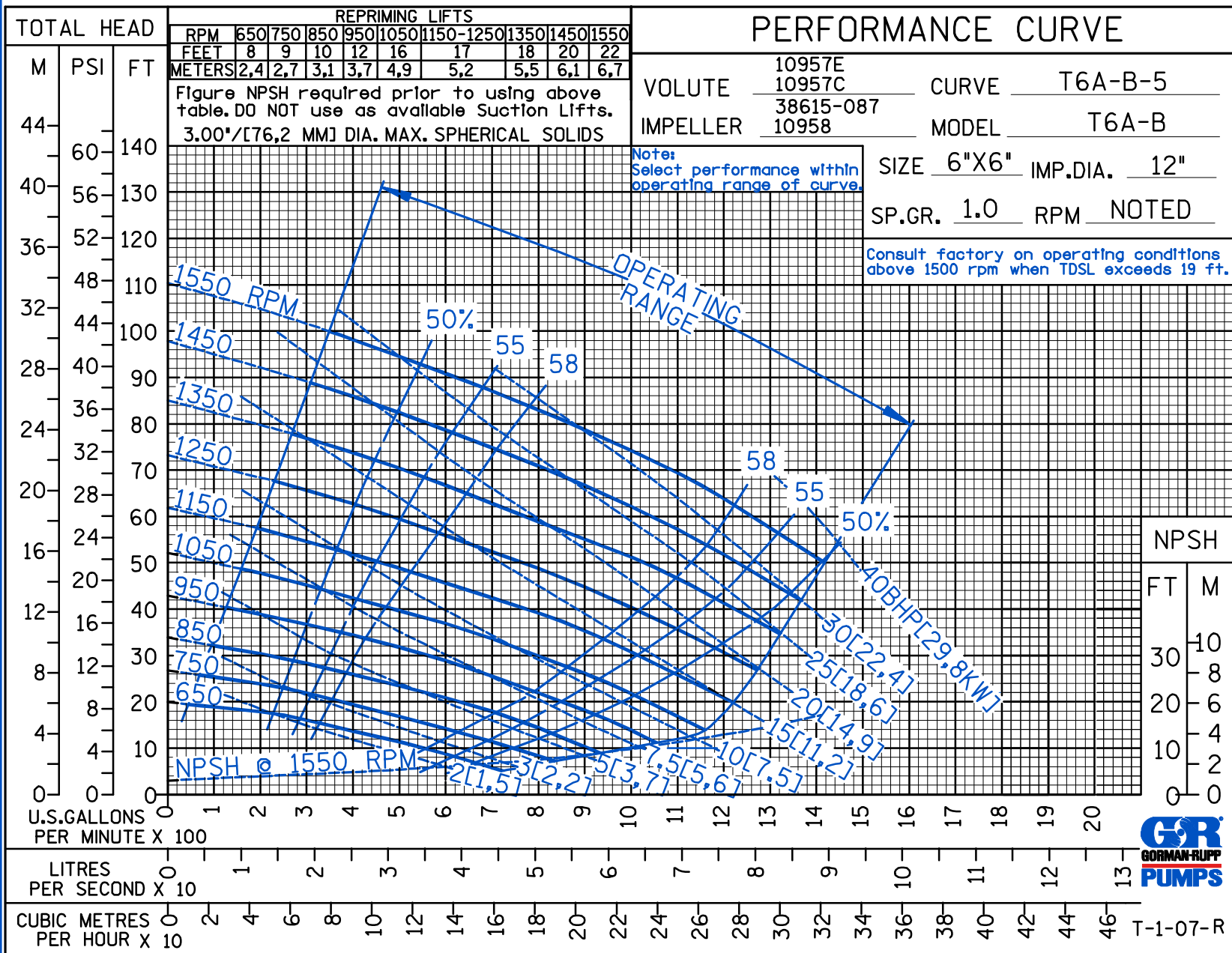
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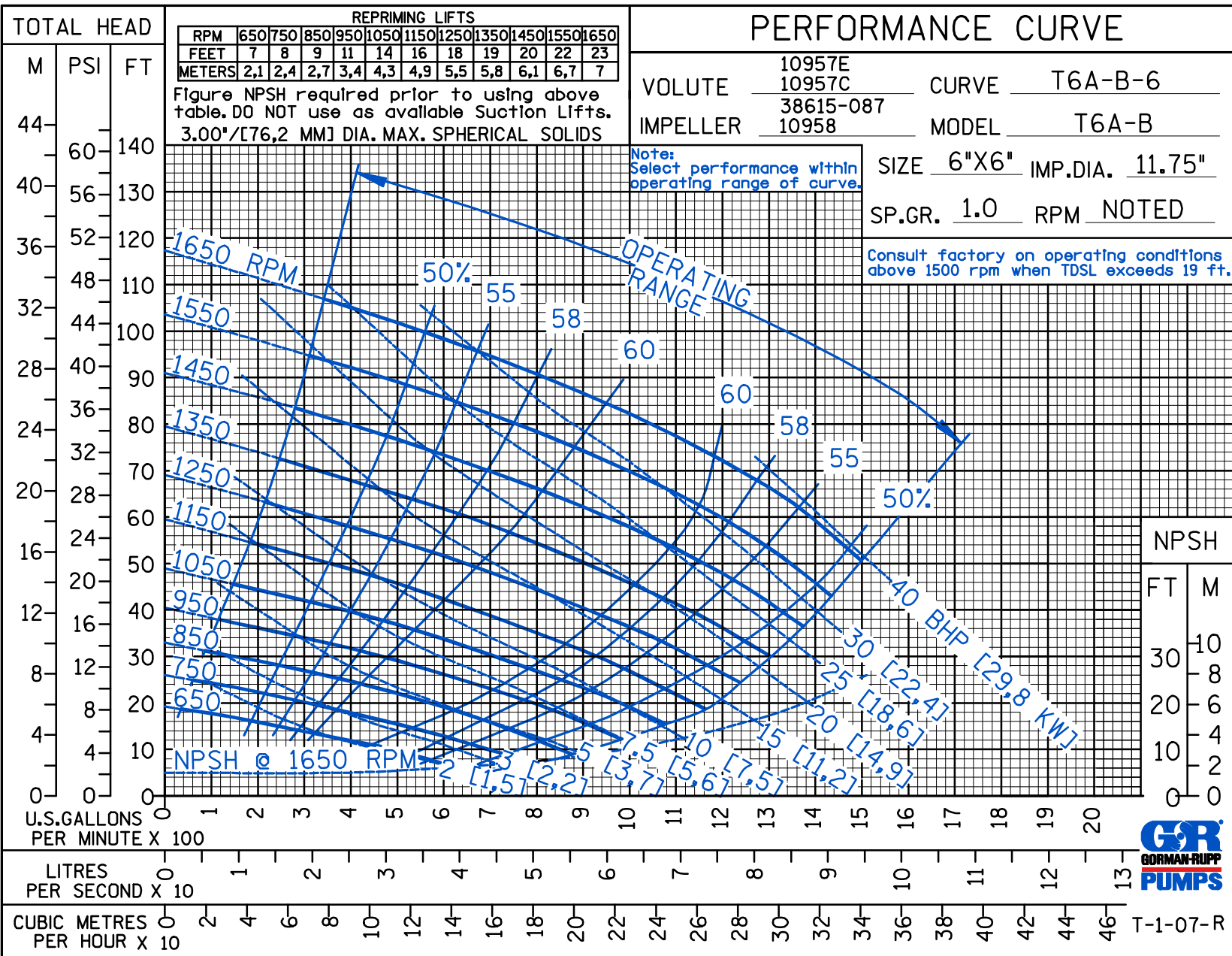
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## PERFORMANCE CURVE

VOLUTE 10957E  
10957C  
IMPELLER 38615-087  
10958  
CURVE T6A-B-6  
MODEL T6A-B  
SIZE 6"X6" IMP.DIA. 11.75"  
SP.GR. 1.0 RPM NOTED

Consult factory on operating conditions  
above 1500 rpm when TDSL exceeds 19 ft.

Note:  
Select performance within  
operating range of curve.



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## PERFORMANCE CURVE

VOLUTE 10957E  
10957C  
IMPELLER 38615-087  
10958  
CURVE T6A-B-7  
MODEL T6A-B  
SIZE 6"X6" IMP.DIA. 11.50"  
SP.GR. 1.0 RPM NOTED

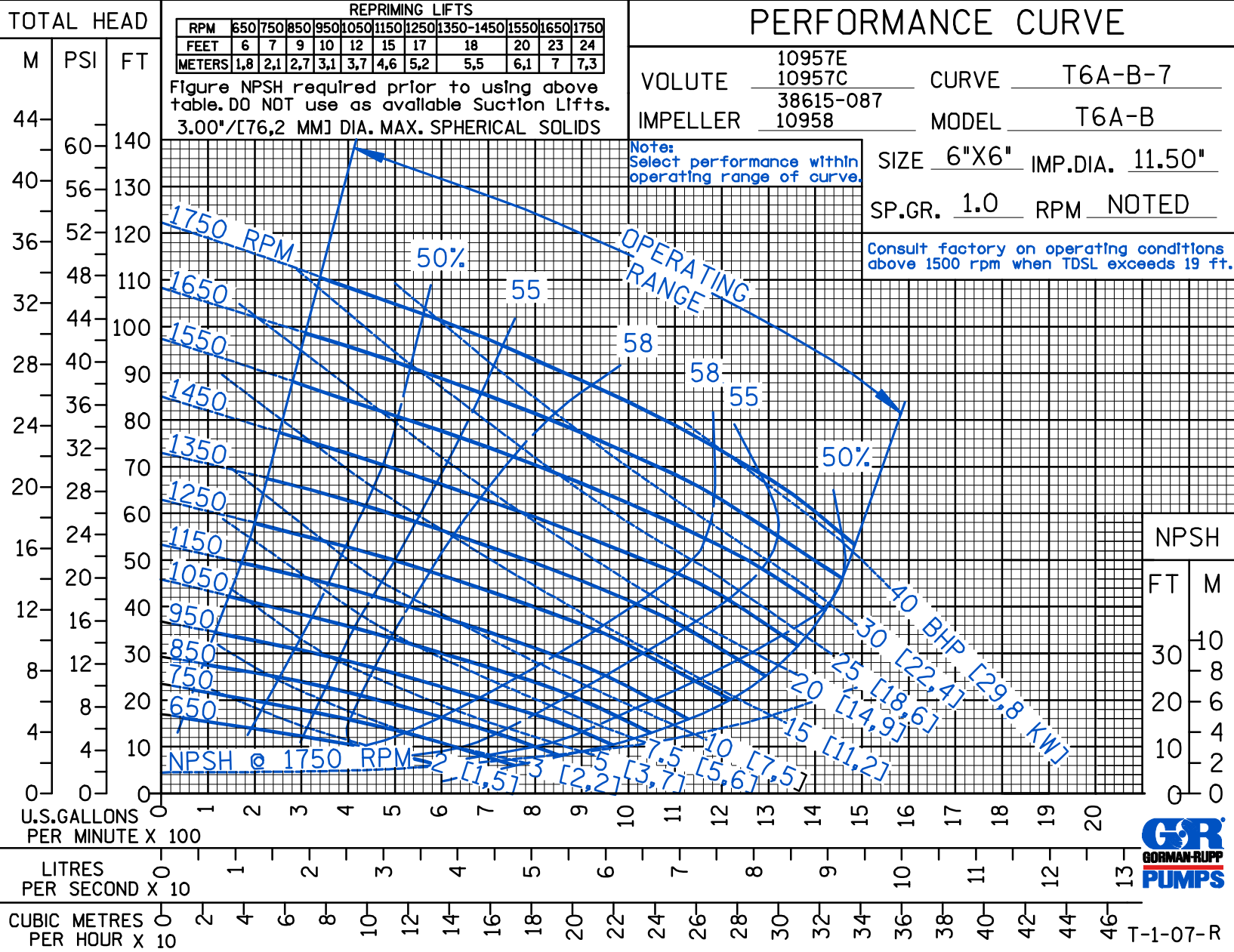
Consult factory on operating conditions  
above 1500 rpm when TDSL exceeds 19 ft.

Note:  
Select performance within  
operating range of curve.

## REPRIMING LIFTS

| RPM    | 650 | 750 | 850 | 950 | 1050 | 1150 | 1250 | 1350-1450 | 1550 | 1650 | 1750 |
|--------|-----|-----|-----|-----|------|------|------|-----------|------|------|------|
| FEET   | 6   | 7   | 9   | 10  | 12   | 15   | 17   | 18        | 20   | 23   | 24   |
| METERS | 1,8 | 2,1 | 2,7 | 3,1 | 3,7  | 4,6  | 5,2  | 5,5       | 6,1  | 7    | 7,3  |

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



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## PERFORMANCE CURVE

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10957C  
IMPELLER 38615-087  
10958  
CURVE T6A-B-8  
MODEL T6A-B  
SIZE 6"X6" IMP.DIA. 11.25"  
SP.GR. 1.0 RPM NOTED

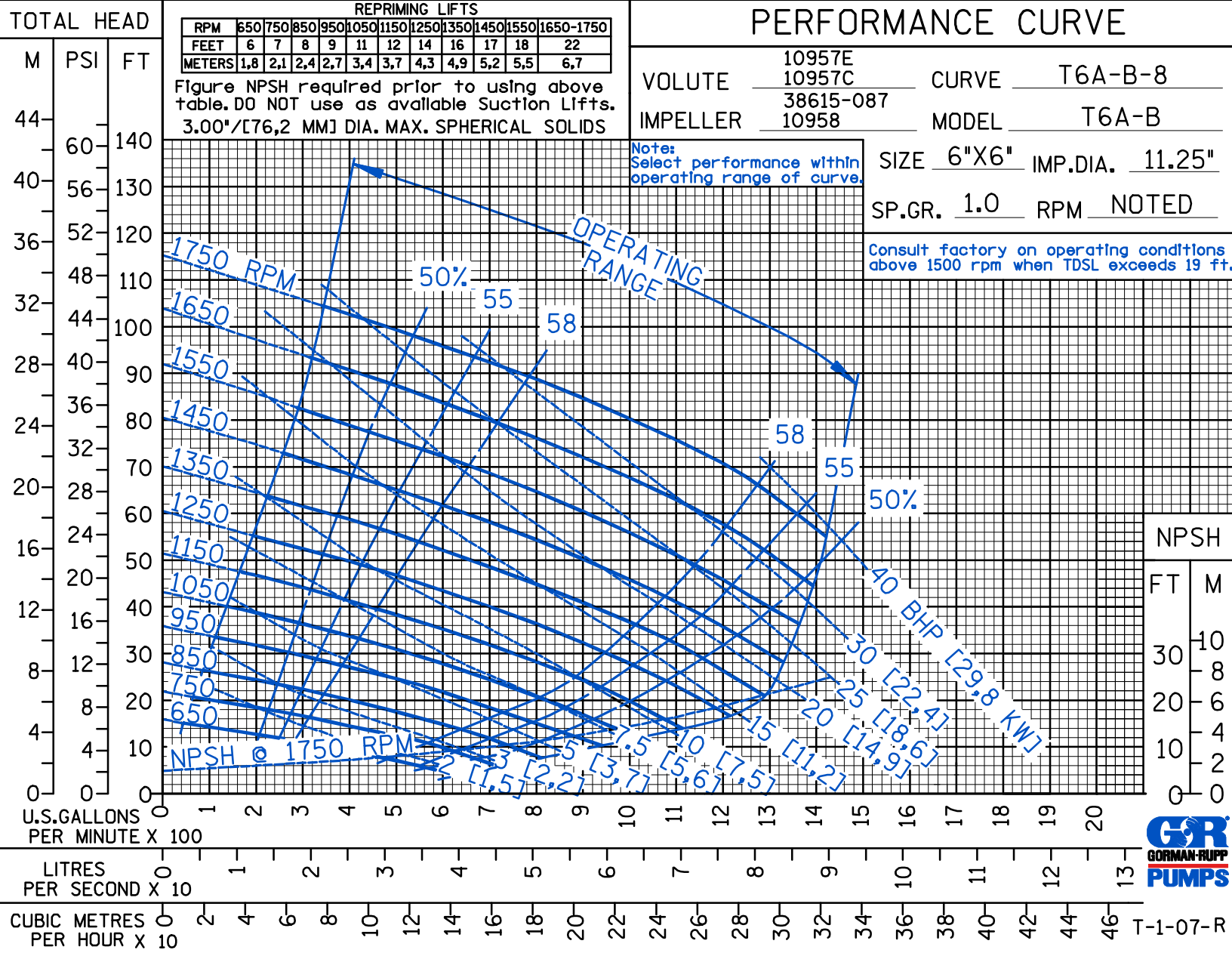
Consult factory on operating conditions  
above 1500 rpm when TDSL exceeds 19 ft.

Note:  
Select performance within  
operating range of curve.

## REPRIMING LIFTS

| RPM    | 650 | 750 | 850 | 950 | 1050 | 1150 | 1250 | 1350 | 1450 | 1550 | 1650-1750 |
|--------|-----|-----|-----|-----|------|------|------|------|------|------|-----------|
| FEET   | 6   | 7   | 8   | 9   | 11   | 12   | 14   | 16   | 17   | 18   | 22        |
| METERS | 1,8 | 2,1 | 2,4 | 2,7 | 3,4  | 3,7  | 4,3  | 4,9  | 5,2  | 5,5  | 6,7       |

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



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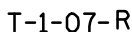


**GORMAN-RUPP  
PUMPS**

Consult factory on operating conditions  
above 1500 rpm when TDSL exceeds 19 ft.

OPERATING RANGE

SP.GR. 1.0 RPM NOTED



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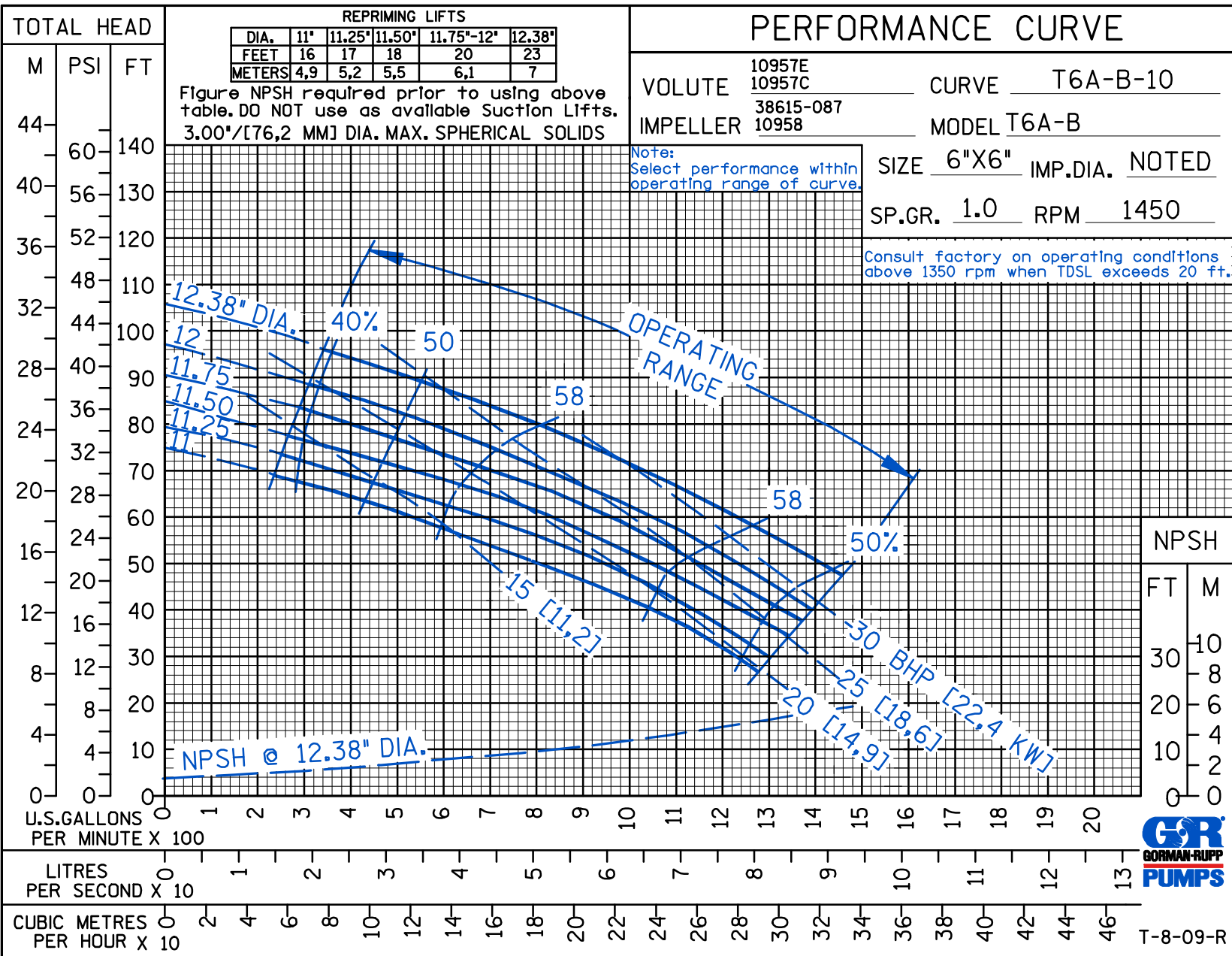
## PERFORMANCE CURVE

VOLUTE 10957E  
10957C  
38615-087  
IMPELLER 10958

CURVE T6A-B-10  
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.



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## PERFORMANCE CURVE

VOLUTE 10957E  
10957C

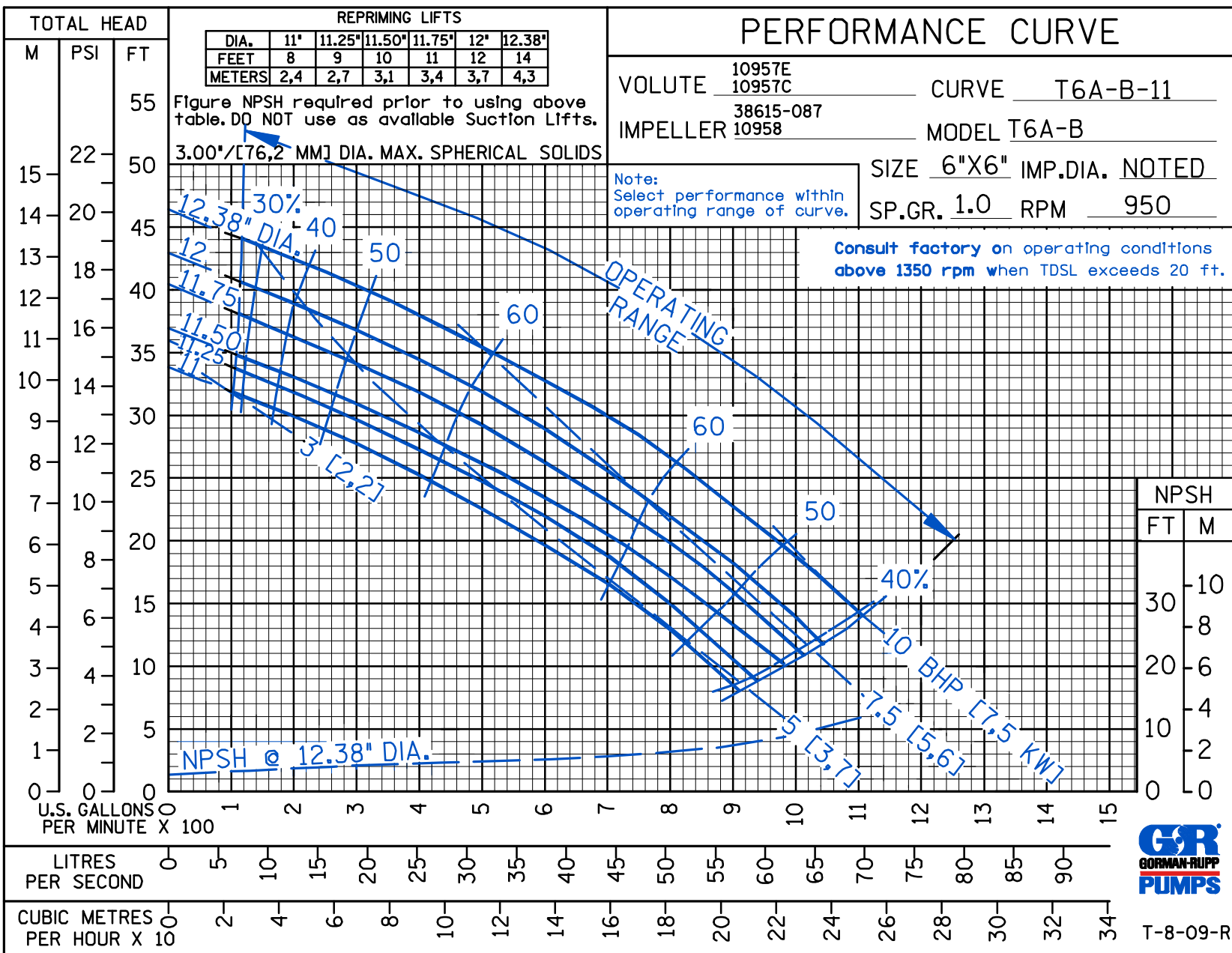
CURVE T6A-B-11

IMPELLER 38615-087  
10958

MODEL T6A-B

SIZE 6"X6" IMP.DIA. NOTED

SP.GR. 1.0 RPM 950

Note:  
Select performance within  
operating range of curve.Consult factory on operating conditions  
above 1350 rpm when TDSL exceeds 20 ft.

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

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

CUBIC METRES  
PER HOUR X 100

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

[illegible]

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

Performance shown does not  
include any interconnecting piping



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