



Self Priming Centrifugal Pump

Model T6A3-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.

Replaceable Wear Plate: Carbon Steel 1026.

Removable Cover Plate: Gray Iron 30; 50 lbs. (23 kg).

Seal Plate: Gray Iron 30.

Flap Valve: Neoprene ^W/Steel Reinforcing.

Shaft Sleeve: Alloy Steel 4130.

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 ^WCompressed Synthetic Fibers, Vegetable Fiber, PTFE, Cork and Rubber.

O-Rings: Buna-N.

Hardware: Standard Plated Steel.

Brass Pressure Relief Valve.

Bearing Cavity Oil Level Sight Gauge.

Optional Equipment: Stainless Steel 316 Pressure Relief Valve.

G-R Hard Iron Impeller, Seal Plate and Wear Plate. Automatic Air

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

Temperature Shutdown Kit. Self-Cleaning Wear Plate.

Gray Iron 30 Suction and Discharge Spool Flanges:

6" ASA.

150 mm DIN 2527 (PN 16).

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

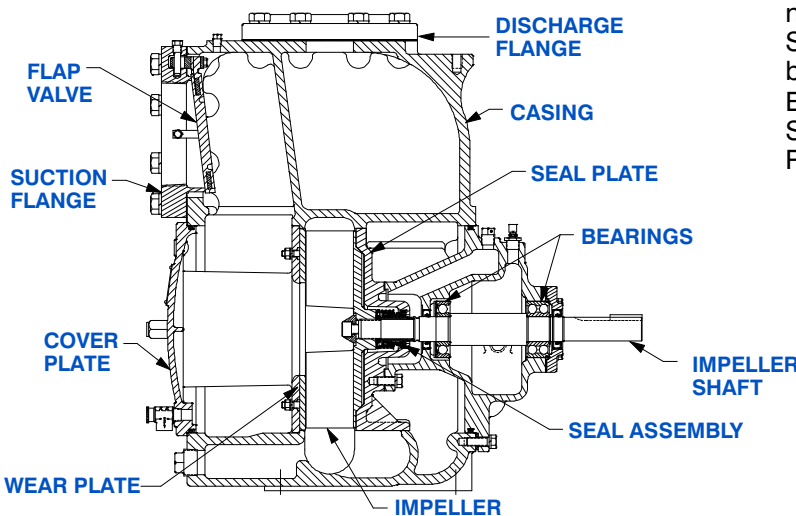
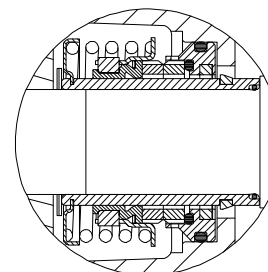


Shown with Optional Suction & Discharge Spool Flanges (Available in ASA or DIN Standard Sizes).

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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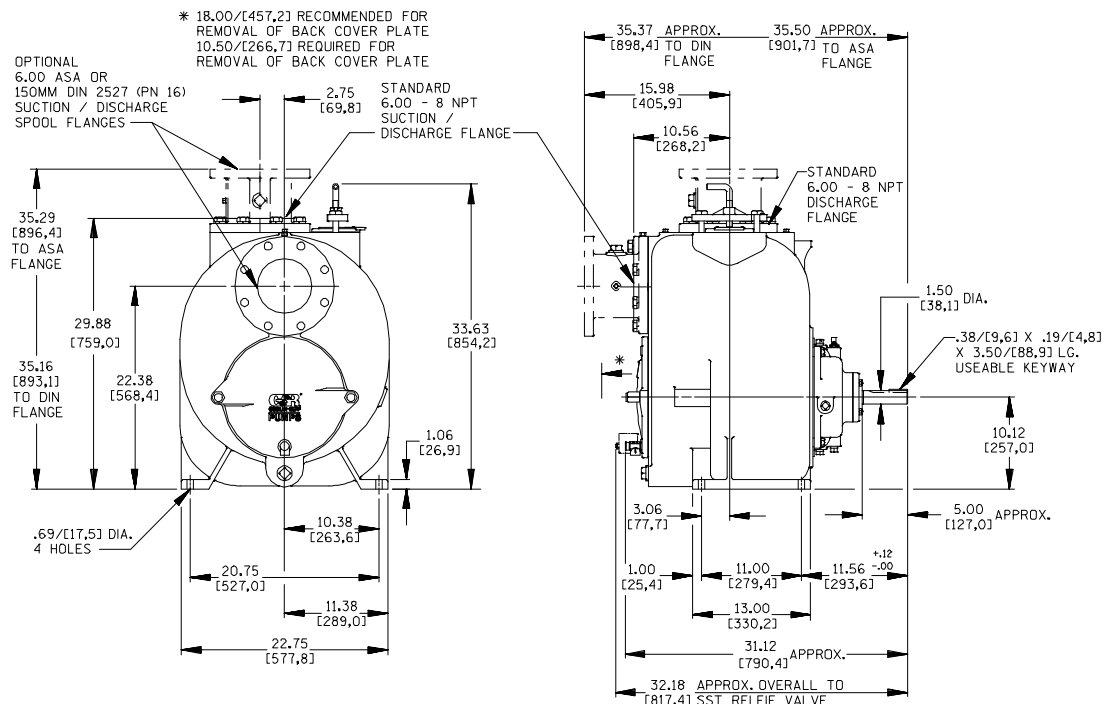
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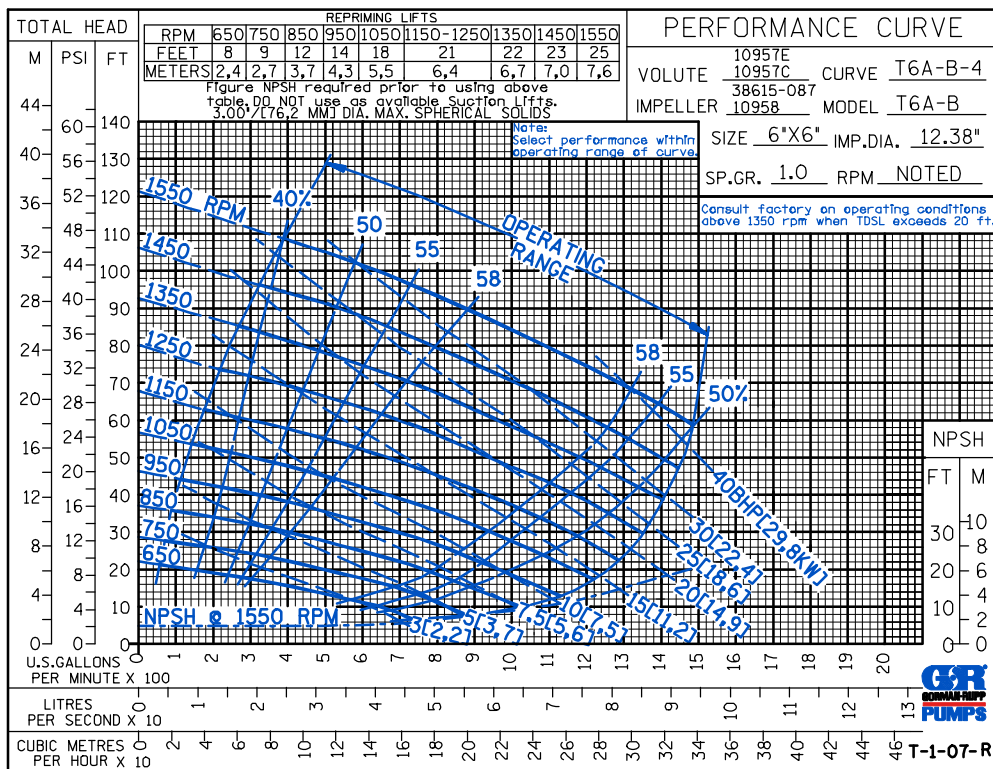
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APPROXIMATE DIMENSIONS and WEIGHTS

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 ASA OR DIN STANDARD SUCTION & DISCHARGE SPOOL FLANGES AVAILABLE



CDSW

PERFORMANCE CURVE

VOLUTE 10957E
10957C
38615-087
IMPELLER 10958

CURVE T6A-B-1
MODEL T6A-B

SIZE 6"X6" IMP.DIA. NOTED
SP.GR. 1.0 RPM 1750

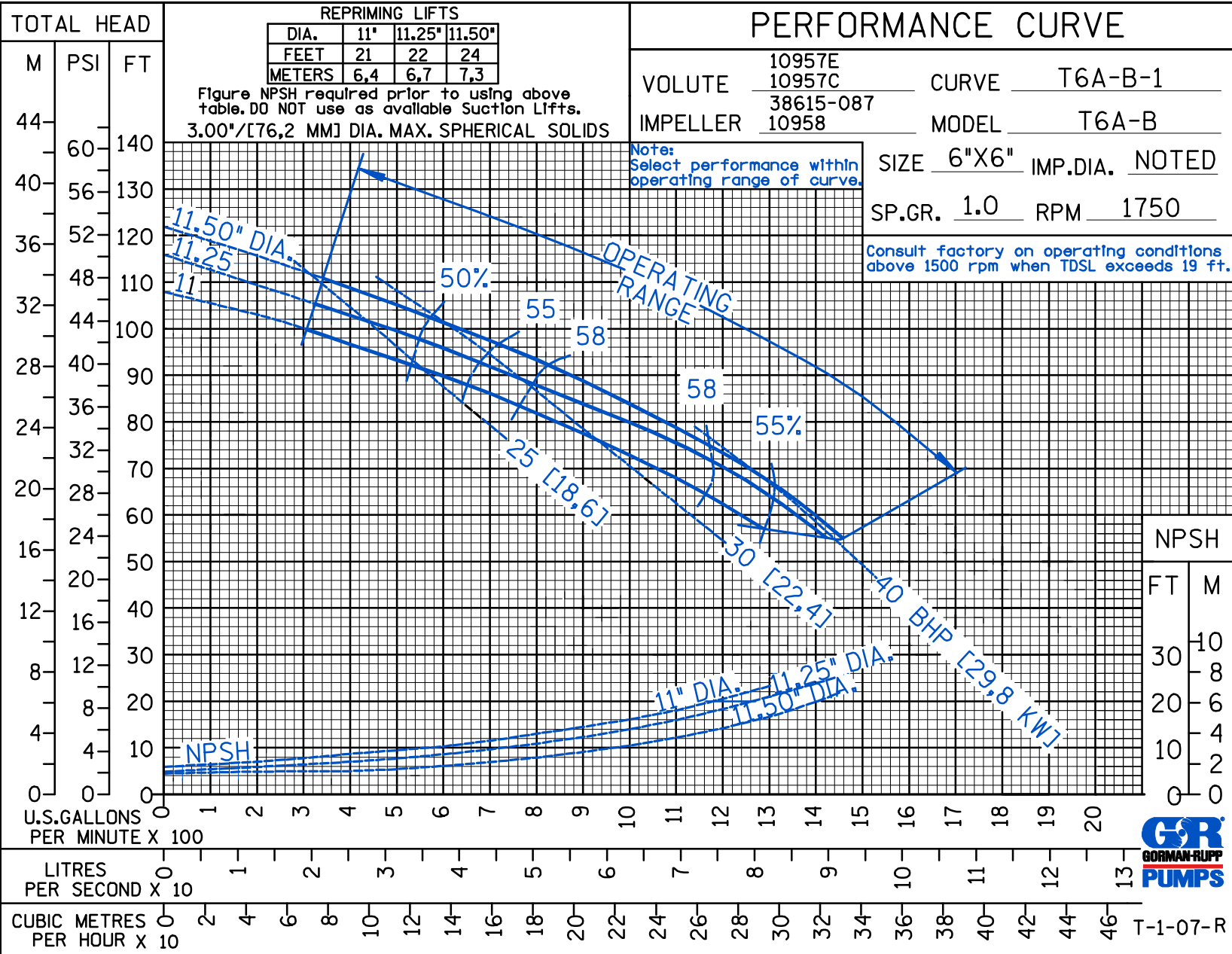
Consult factory on operating conditions
above 1500 rpm when TDSL exceeds 19 ft.

Note:
Select performance within
operating range of curve.

REPRIMING LIFTS

DIA.	11"	11.25"	11.50"
FEET	21	22	24
METERS	6.4	6.7	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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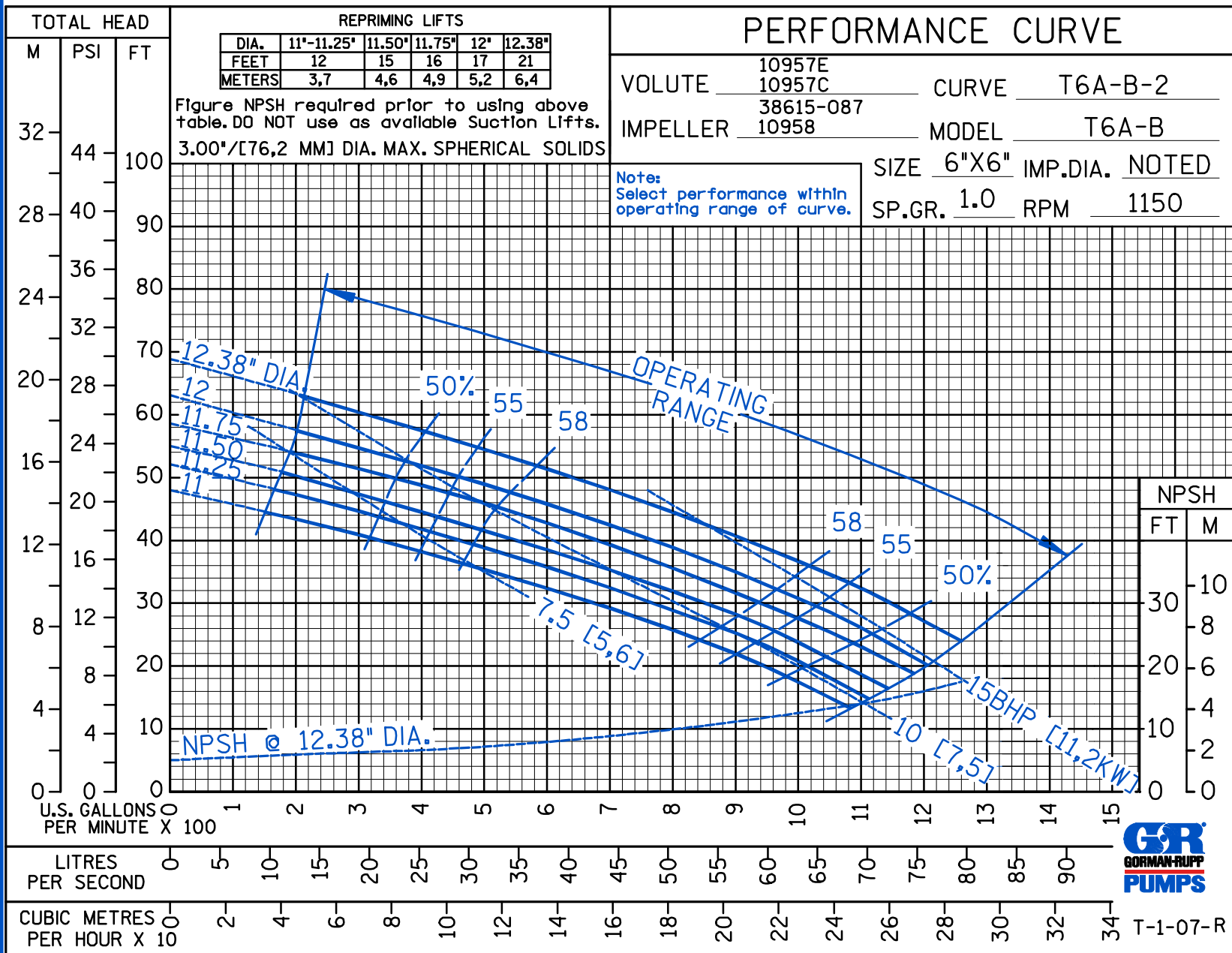
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PERFORMANCE CURVE

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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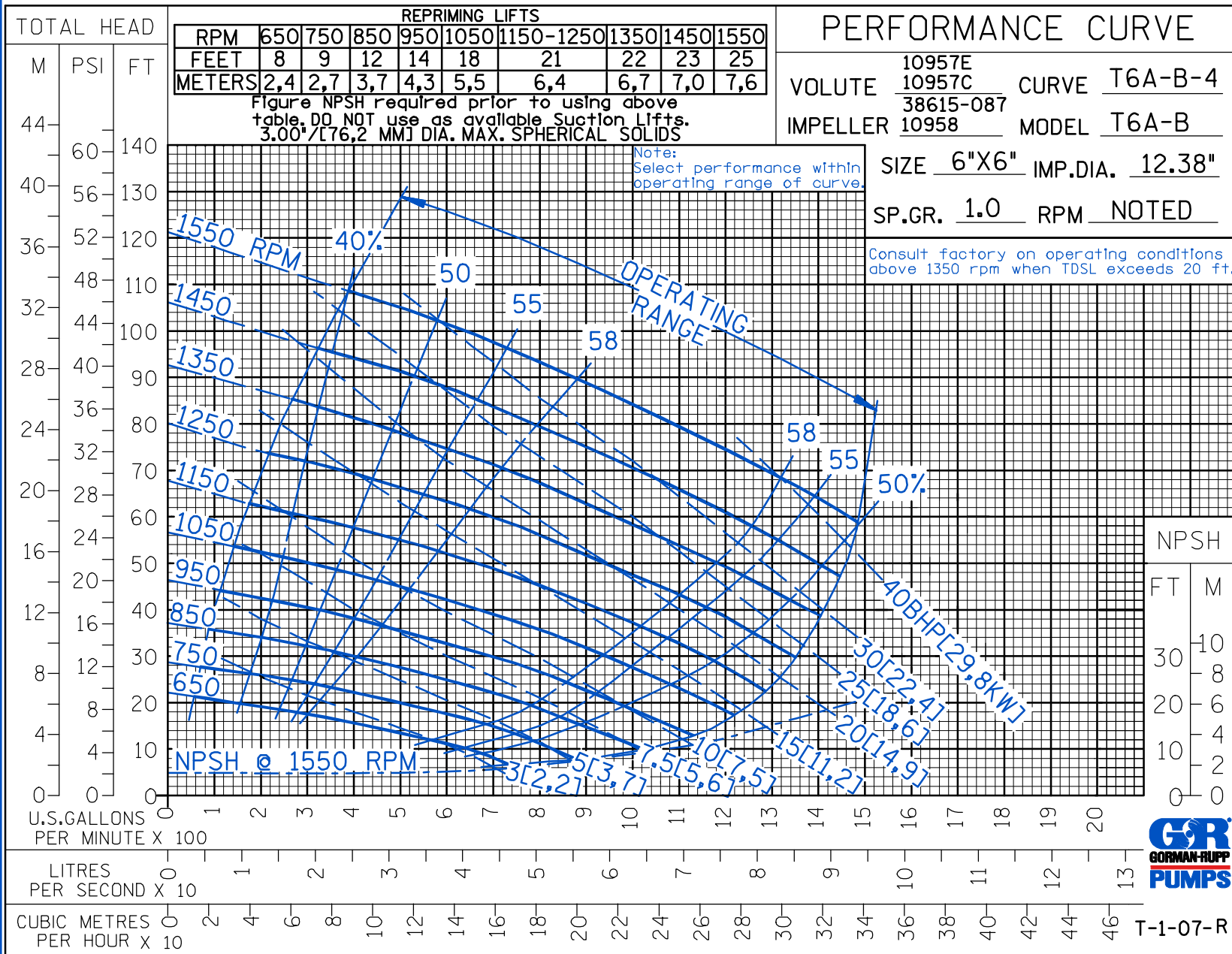
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PERFORMANCE CURVE

10957E
VOLUTE 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.

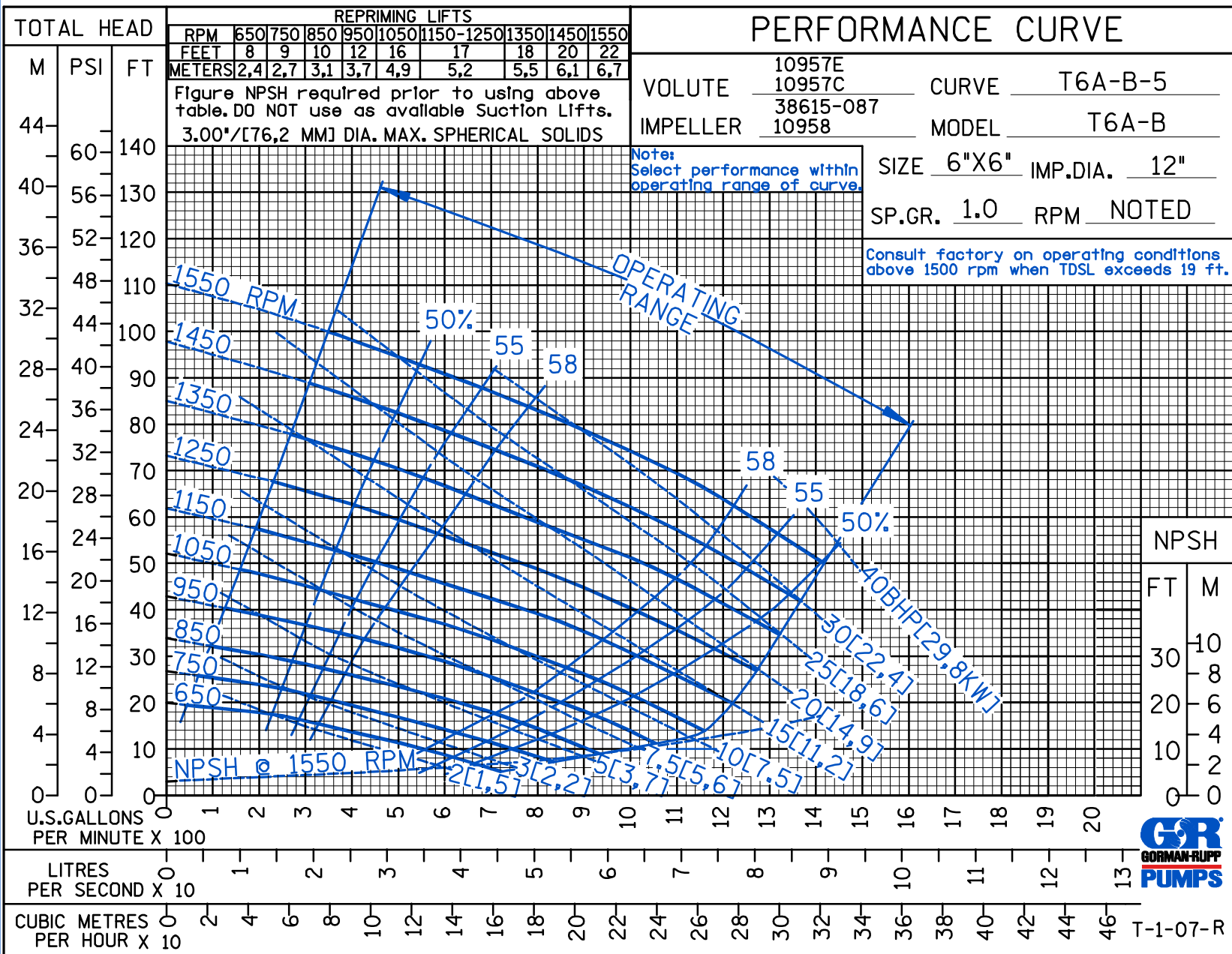


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PERFORMANCE CURVE

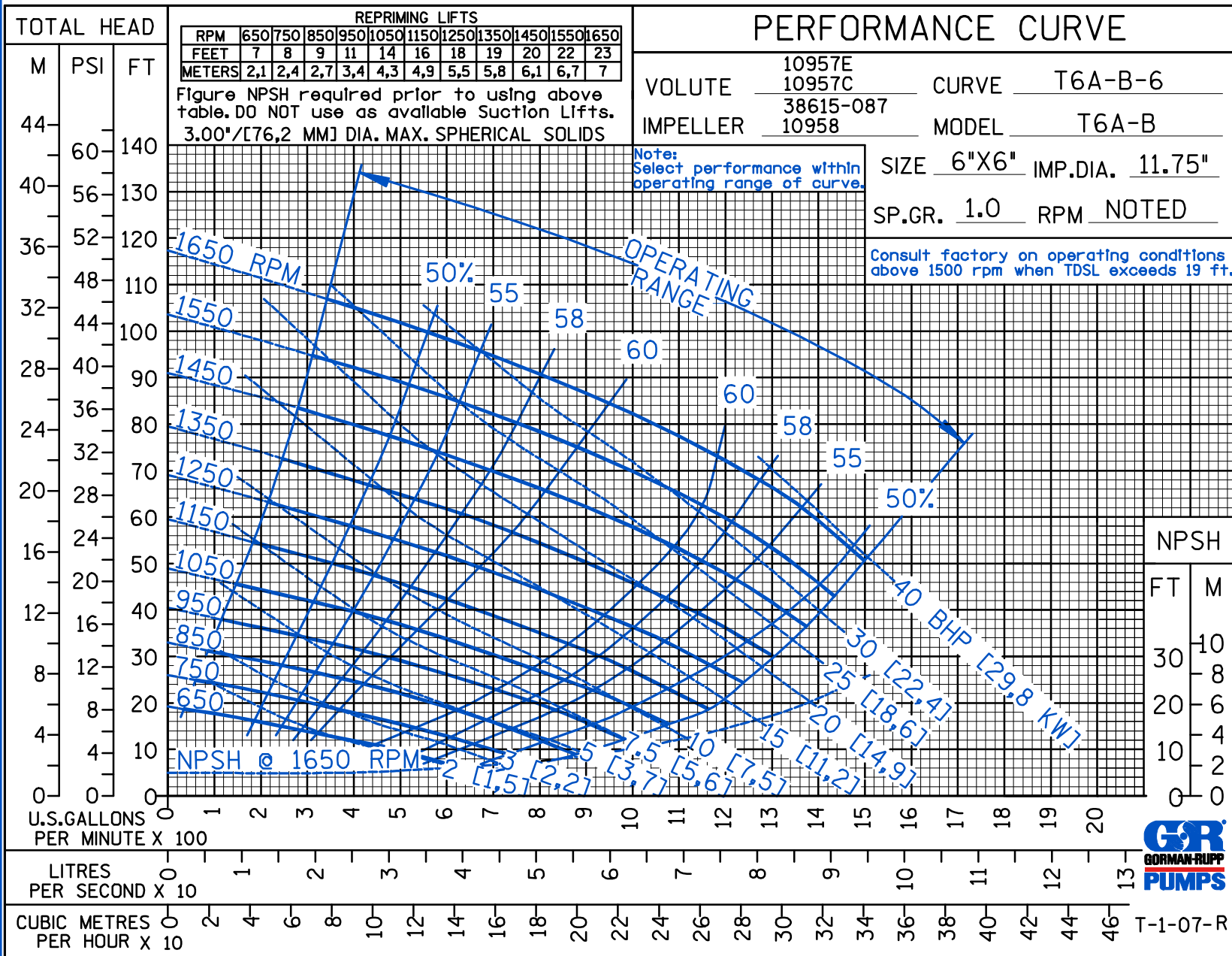
VOLUTE 10957E
10957C
IMPELLER 38615-087
10958

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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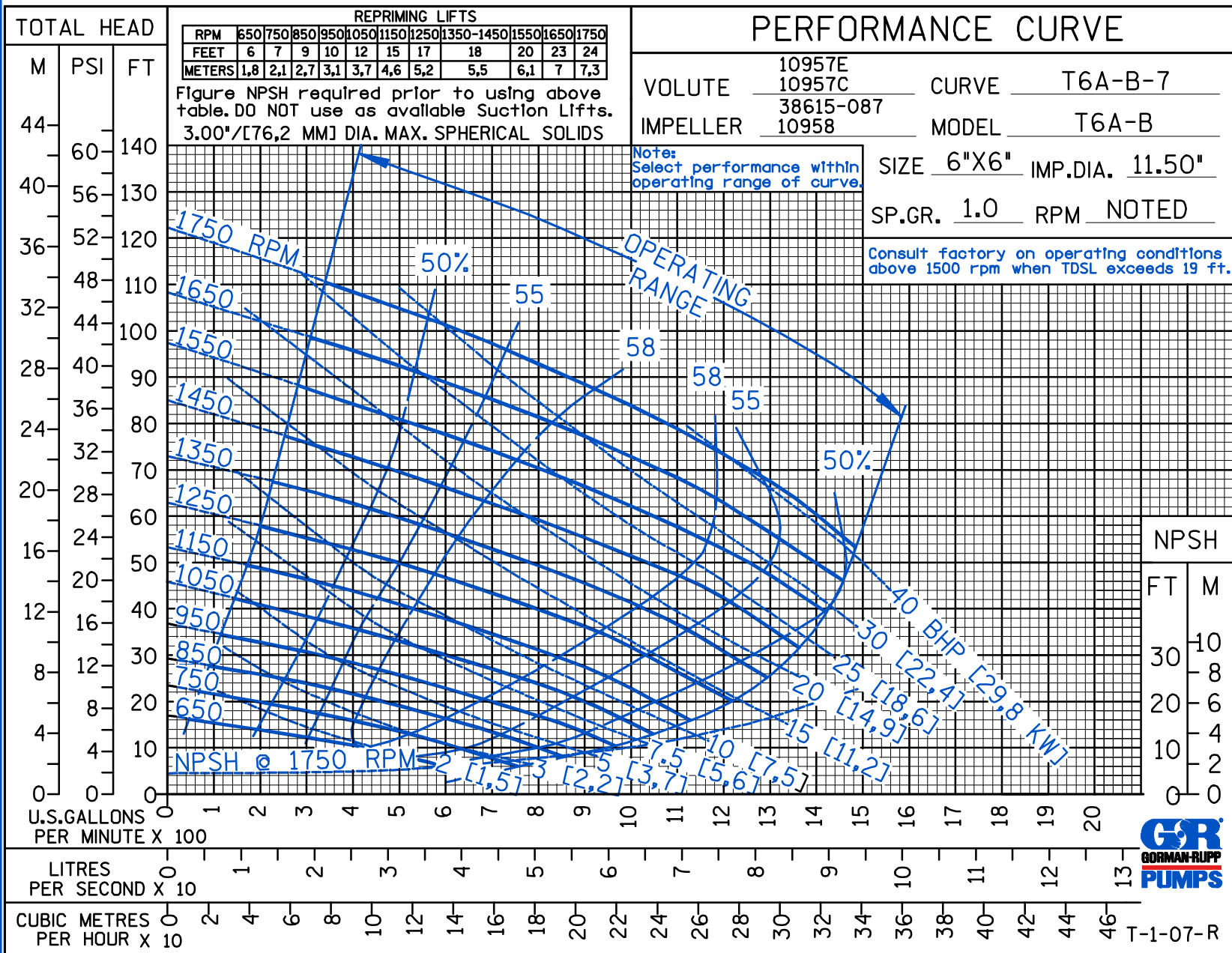
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PERFORMANCE CURVE

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.



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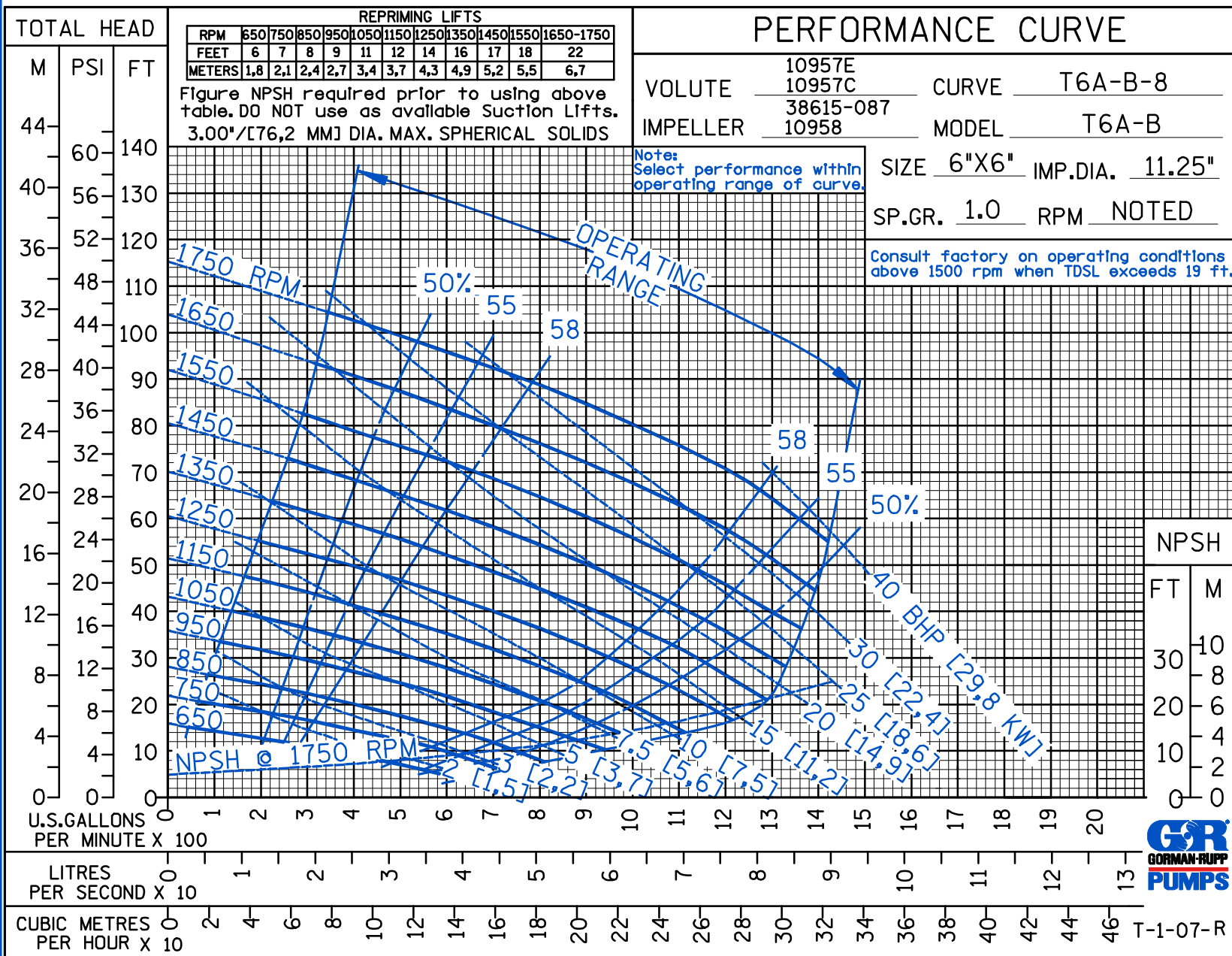
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PERFORMANCE CURVE

VOLUTE 10957E
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.



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

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

Note:
Select performance within
operating range of curve.



T-1-07-R



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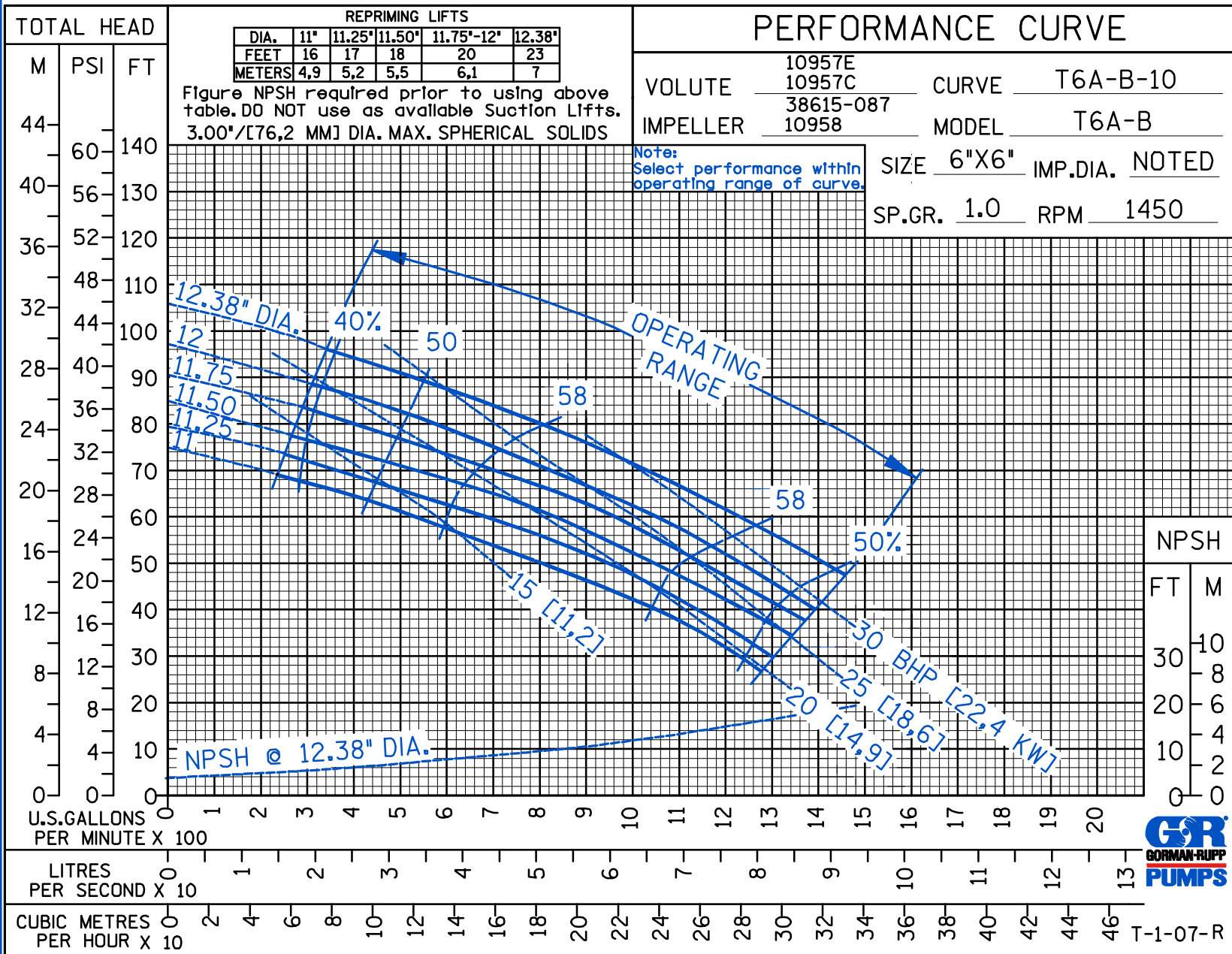
PERFORMANCE CURVE

VOLUTE 10957E
10957C
IMPELLER 38615-087
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.



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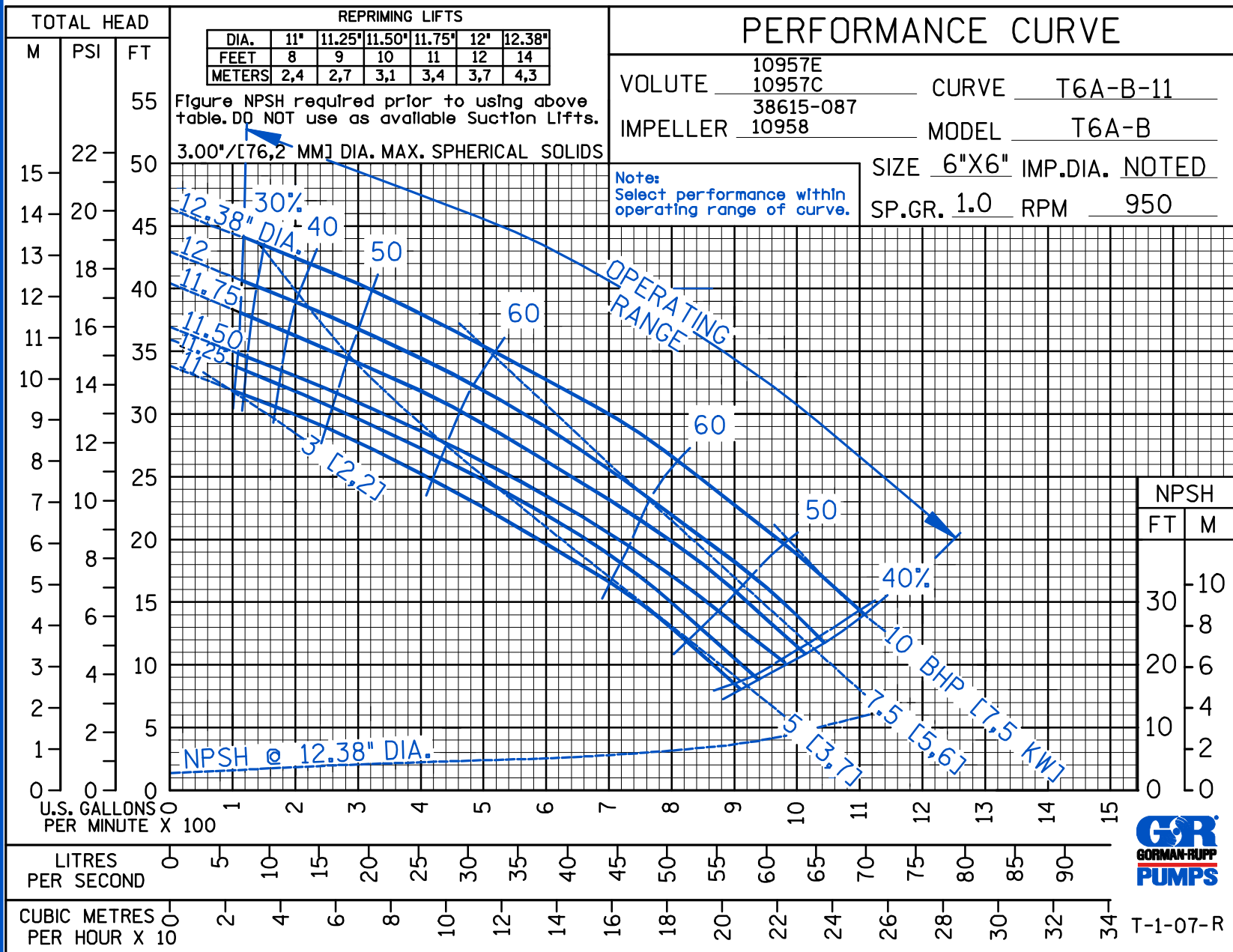
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PERFORMANCE CURVE

VOLUTE 10957E
10957C CURVE T6A-B-11
38615-087
IMPELLER 10958 MODEL T6A-B
SIZE 6"X6" IMP.DIA. NOTED
SP.GR. 1.0 RPM 950

Note:
Select performance within
operating range of curve.



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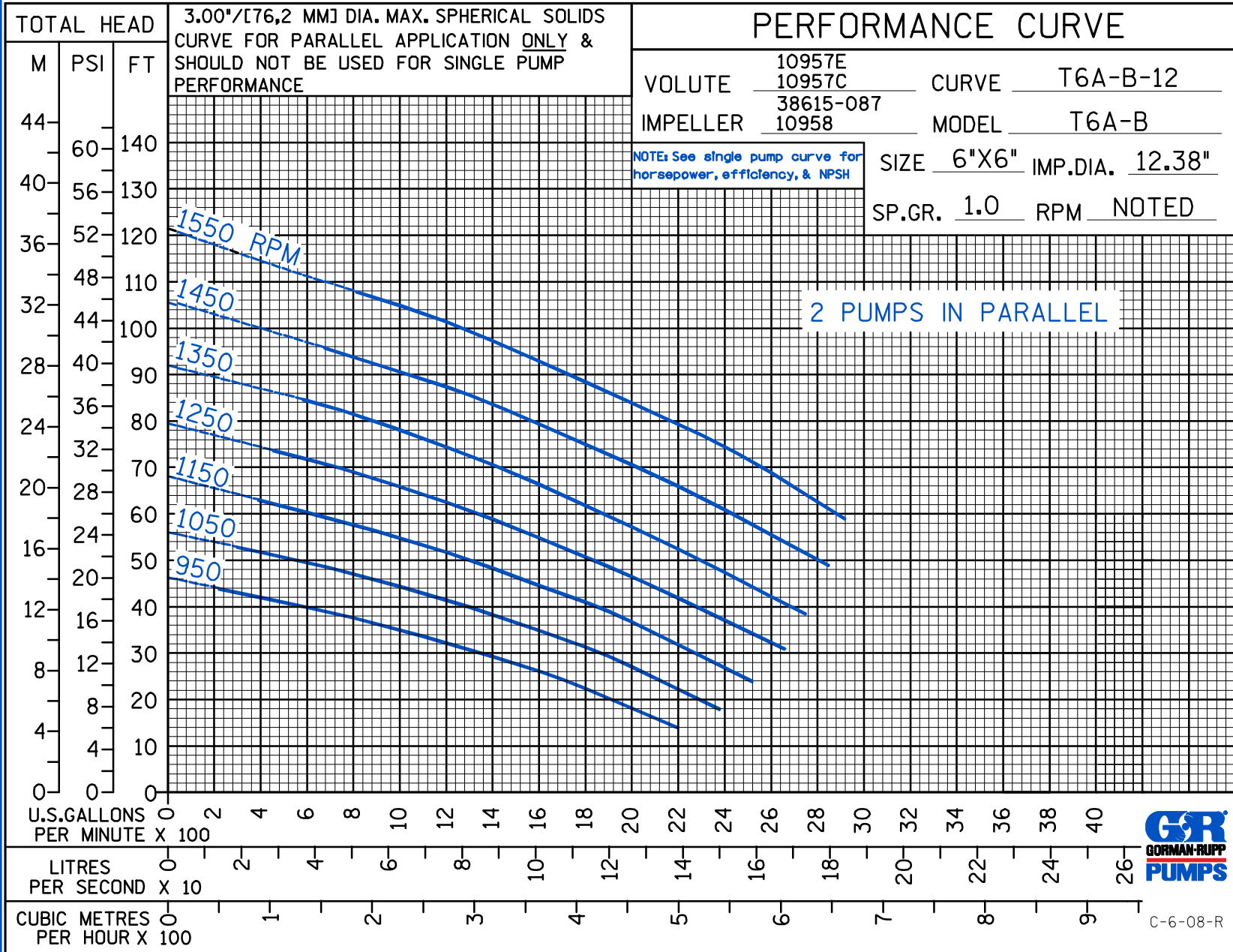
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D S W

PERFORMANCE CURVE

VOLUTE	10957E 10957C	CURVE	T6A-B-12
IMPELLER	38615-087 10958	MODEL	T6A-B
NOTE: See single pump curve for horsepower, efficiency, & NPSH		SIZE	6"X6" IMP.DIA. 12.38"
		SP.GR.	1.0 RPM NOTED



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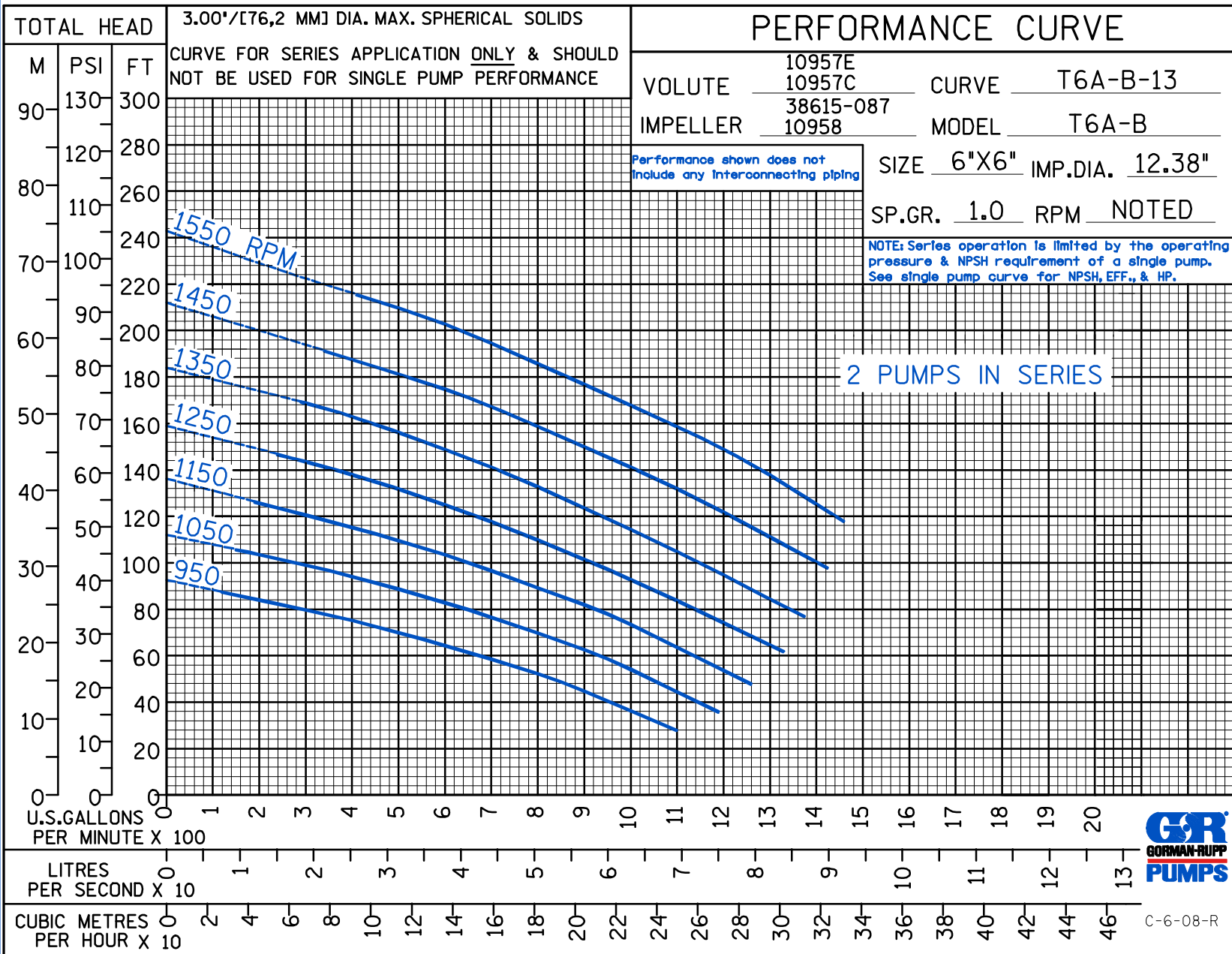
DSW

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 pipingNOTE: 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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