

## Stainless Steel Basic Pump

CDSW

## Self Priming Centrifugal Pump

**Super  
T SERIES**

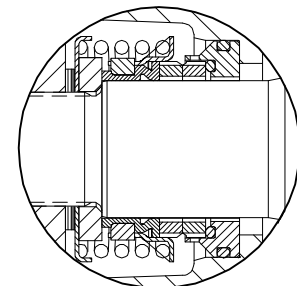
VARIOUS PATENTS APPLY

Model T3A65S-B

Size 3" x 3"

**PUMP SPECIFICATIONS****Size:** 3" x 3" (76 mm x 76 mm) NPT - Female.**Casing:** Stainless Steel CD4MCu.

Maximum Operating Pressure 86 psi (593 kPa).\*

**Semi-Open Type, Two Vane Impeller:** Stainless Steel CD4MCu.  
Handles 2 1/2" (63,5 mm) Diameter Spherical Solids.**Impeller Shaft:** Stainless Steel No. 17-4 PH.**Replaceable Wear Plate:** Stainless Steel CD4MCu.**Removable Adjustable Cover Plate:** Stainless Steel  
CD4MCu; 40 lbs. (18 kg).**Flap Valve:** Fluorocarbon (DuPont Viton® or Equivalent)  
w/Stainless Steel Reinforcing.**Seal Plate:** Stainless Steel CD4MCu.**Bearing Housing:** Stainless Steel CD4MCu.**Radial and Thrust Bearings:** Open Single Row Ball.**Bearing and Seal Cavity Lubrication:** SAE No. 30 Non-Detergent Oil.**Suction Flange:** 125# Stainless Steel CD4MCu.**Discharge Flange:** 125# Stainless Steel No. 316.**Gaskets:** Fluorocarbon (DuPont Viton® or Equivalent) and PTFE.**O-Rings:** Fluorocarbon (DuPont Viton® or Equivalent).**Hardware:** Stainless Steel No. 316.**Pressure Relief Valve:** Stainless Steel No. 316.**Bearing and Seal Cavity Oil Level Sight Gauges.****Optional Equipment:** Automatic Air Release Valve.Metal Bellows Seal. 120V/240V Casing Heater. High  
Pump Temperature Shutdown Kit. Self-Cleaning Wear Plate.  
Stainless Steel CD4MCu Suction and Discharge  
Spool Flanges:3" ASA (**Specify Model T3A65S-B /F**).80 mm DIN 2527 (PN 16) (**Specify Model T3A65S-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 Sta-  
tionary Faces. Stainless Steel No. 316 Stationary  
Seat. Fluorocarbon Elastomers (DuPont Viton®  
or Equivalent). Stainless Steel No. 316 Cage and  
Spring. Maximum Temperature of Liquid  
Pumped, 160°F (71°C).\***DISCHARGE  
FLANGE****FLAP  
VALVE****SUCTION  
FLANGE****COVER  
PLATE****WEAR PLATE****CASING****SEAL  
PLATE****BALL  
BEARINGS****IMPELLER  
SHAFT****LIP SEALS****SEAL ASSEMBLY****SEAL DETAIL****THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO**

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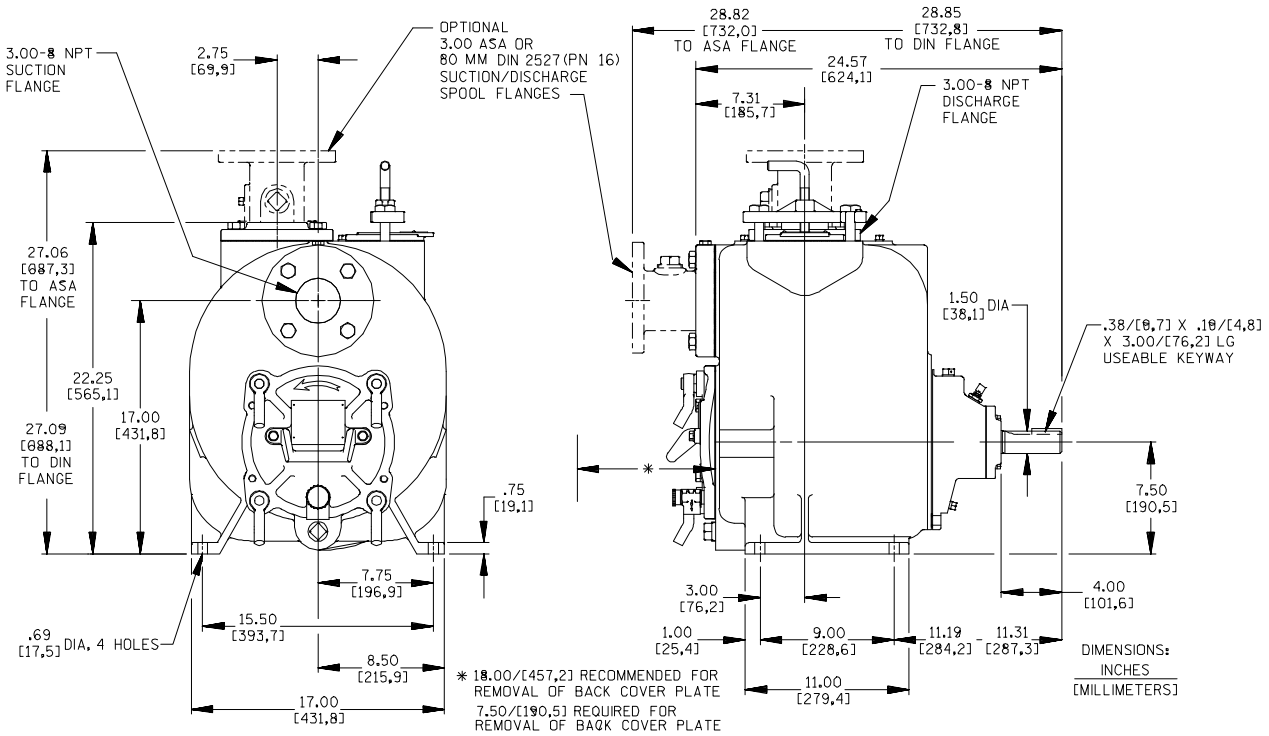
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**Specification Data**

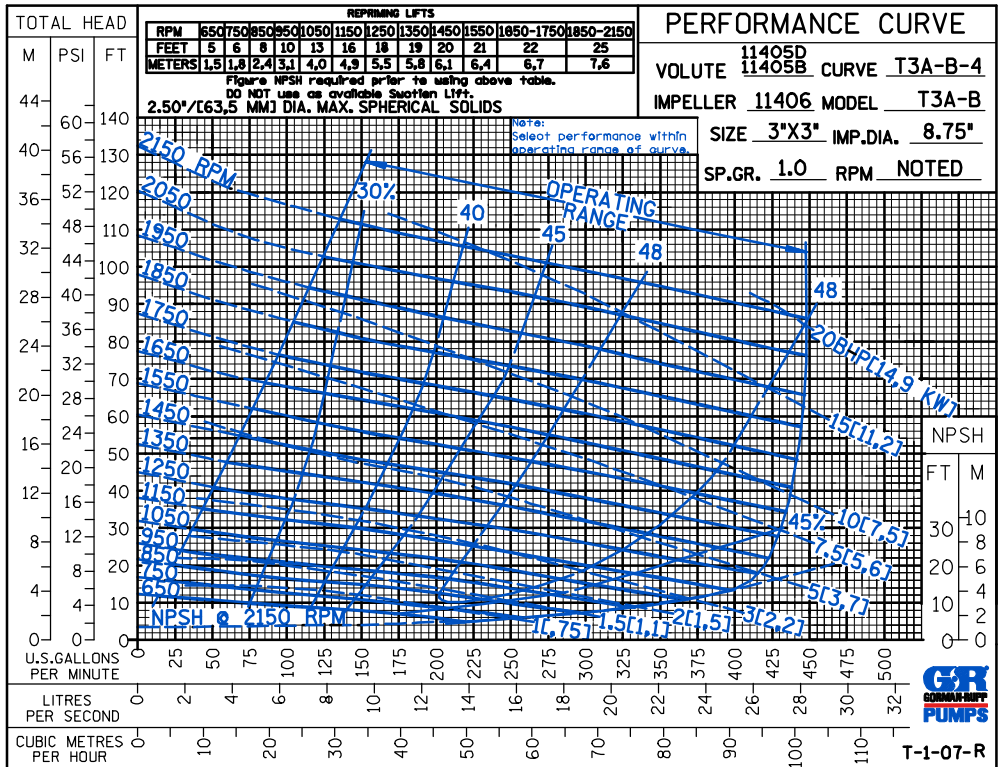
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**APPROXIMATE DIMENSIONS and WEIGHTS**

**NET WEIGHT: 424 LBS. (192 KG.)\***  
**SHIPPING WEIGHT: 472 LBS. (214 KG.)\***  
**EXPORT CRATE: 19.3 CU. FT. (0,55 CU. M.)**  
**\*ADD 15 LBS. (6,8 KG.) W/EACH SPOOL FLANGE**



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



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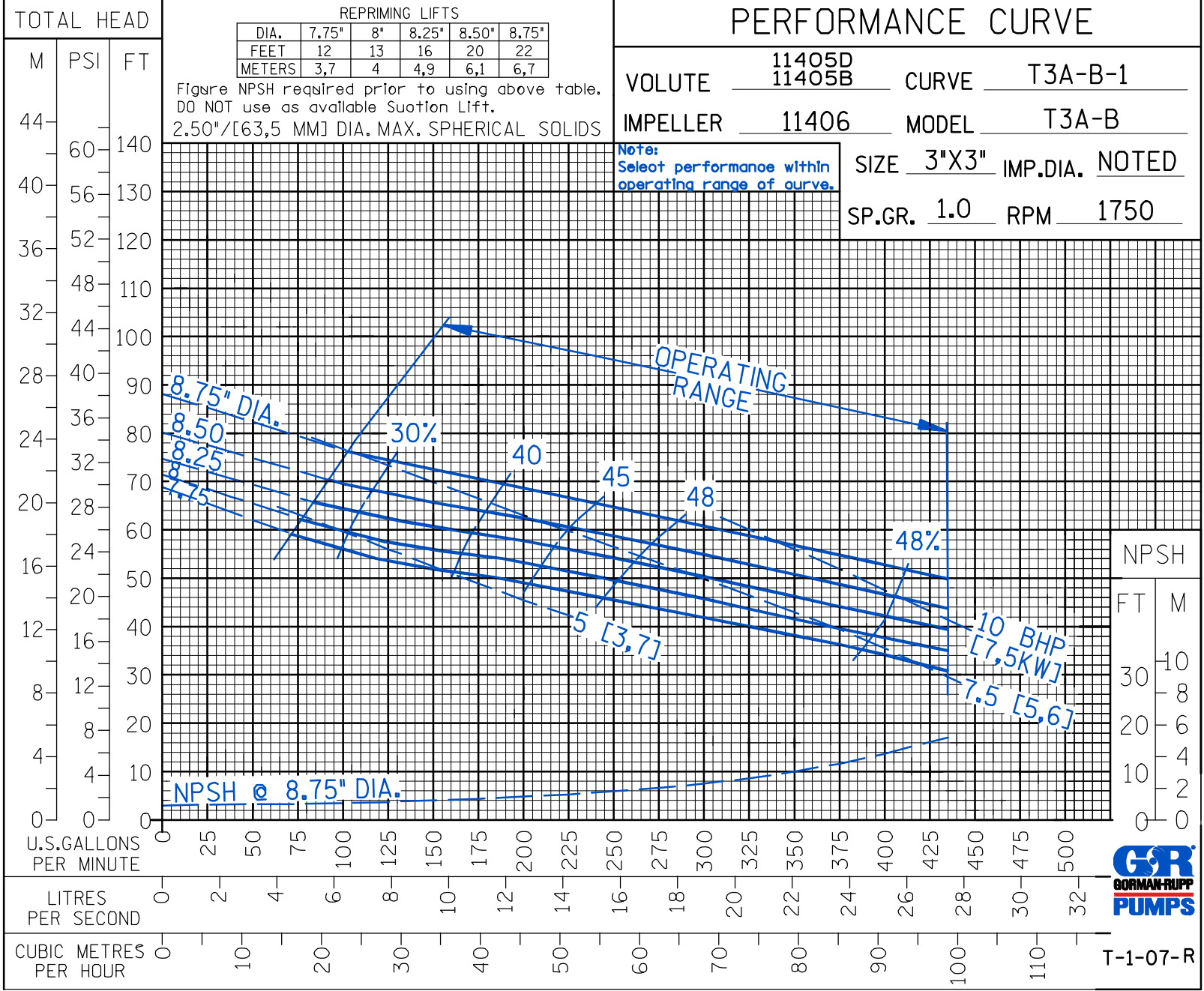
### PERFORMANCE CURVE

VOLUTE 11405D  
11405B CURVE T3A-B-1  
 IMPELLER 11406 MODEL T3A-B  
 SIZE 3"X3" IMP.DIA. NOTED  
 SP.GR. 1.0 RPM 1750

Note:  
Select performance within  
operating range of curve.

REPRIMING LIFTS					
DIA.	7.75"	8"	8.25"	8.50"	8.75"
FEET	12	13	16	20	22
METERS	3,7	4	4,9	6,1	6,7

Figure NPSH required prior to using above table.  
DO NOT use as available Suotion Lift.  
2.50"/[63,5 MM] DIA. MAX. SPHERICAL SOLIDS



NPSH  
FT M  
30 10  
20 6  
10 2  
0 0



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PERFORMANCE CURVE

VOLUTE 11405D  
11405B CURVE T3A-B-2

IMPELLER 11406 MODEL T3A-B

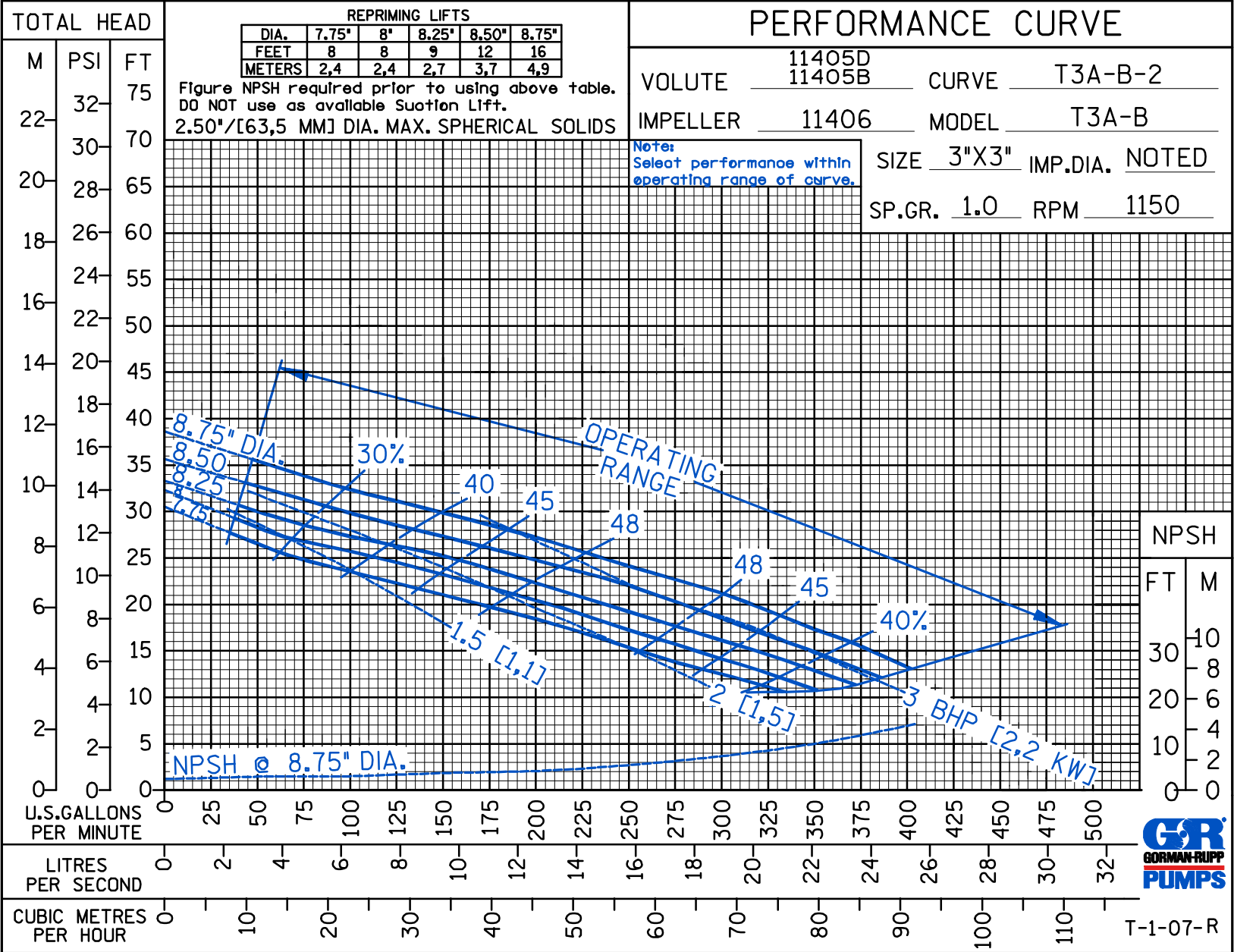
SIZE 3"X3" IMP.DIA. NOTED

SP.GR. 1.0 RPM 1150

Note:  
Select performance within  
operating range of curve.

REPRIMING LIFTS					
DIA.	7.75"	8"	8.25"	8.50"	8.75"
FEET	8	8	9	12	16
METERS	2,4	2,4	2,7	3,7	4,9

Figure NPSH required prior to using above table.  
DO NOT use as available Suction Lift.  
2.50"/[63,5 MM] DIA. MAX. SPHERICAL SOLIDS



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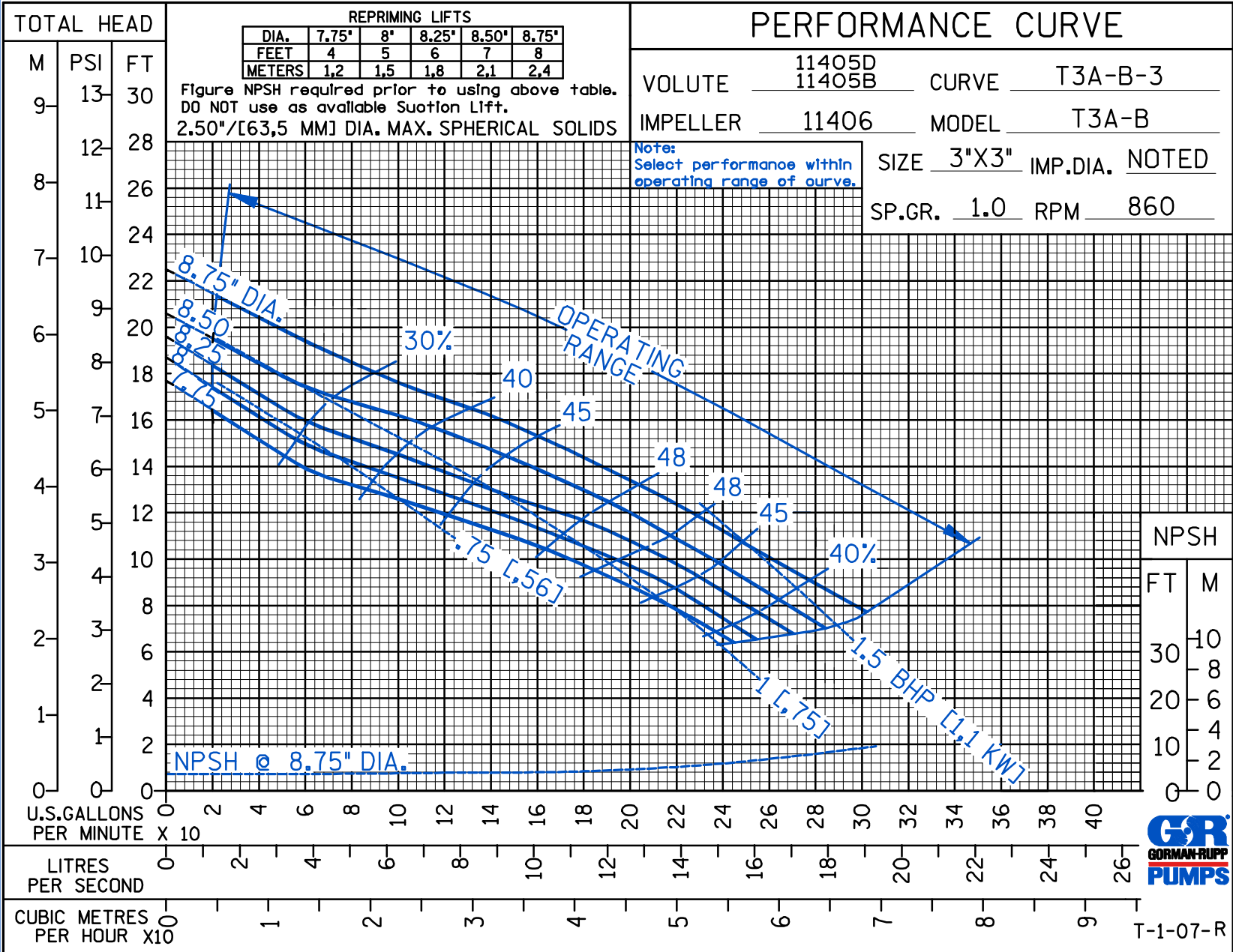
PERFORMANCE CURVE

VOLUTE 11405D  
 11405B CURVE T3A-B-3  
 IMPELLER 11406 MODEL T3A-B  
 SIZE 3"X3" IMP.DIA. NOTED  
 SP.GR. 1.0 RPM 860

REPRIMING LIFTS					
DIA.	7.75'	8'	8.25'	8.50'	8.75'
FEET	4	5	6	7	8
METERS	1,2	1,5	1,8	2,1	2,4

Figure NPSH required prior to using above table.  
 DO NOT use as available Suction Lift.  
 2.50"/[63,5 MM] DIA. MAX. SPHERICAL SOLIDS

Note:  
 Select performance within  
 operating range of curve.



NPSH  
 FT M

10 8 6 4 2 0  
 30 20 10 0  
 40 30 20 10 0



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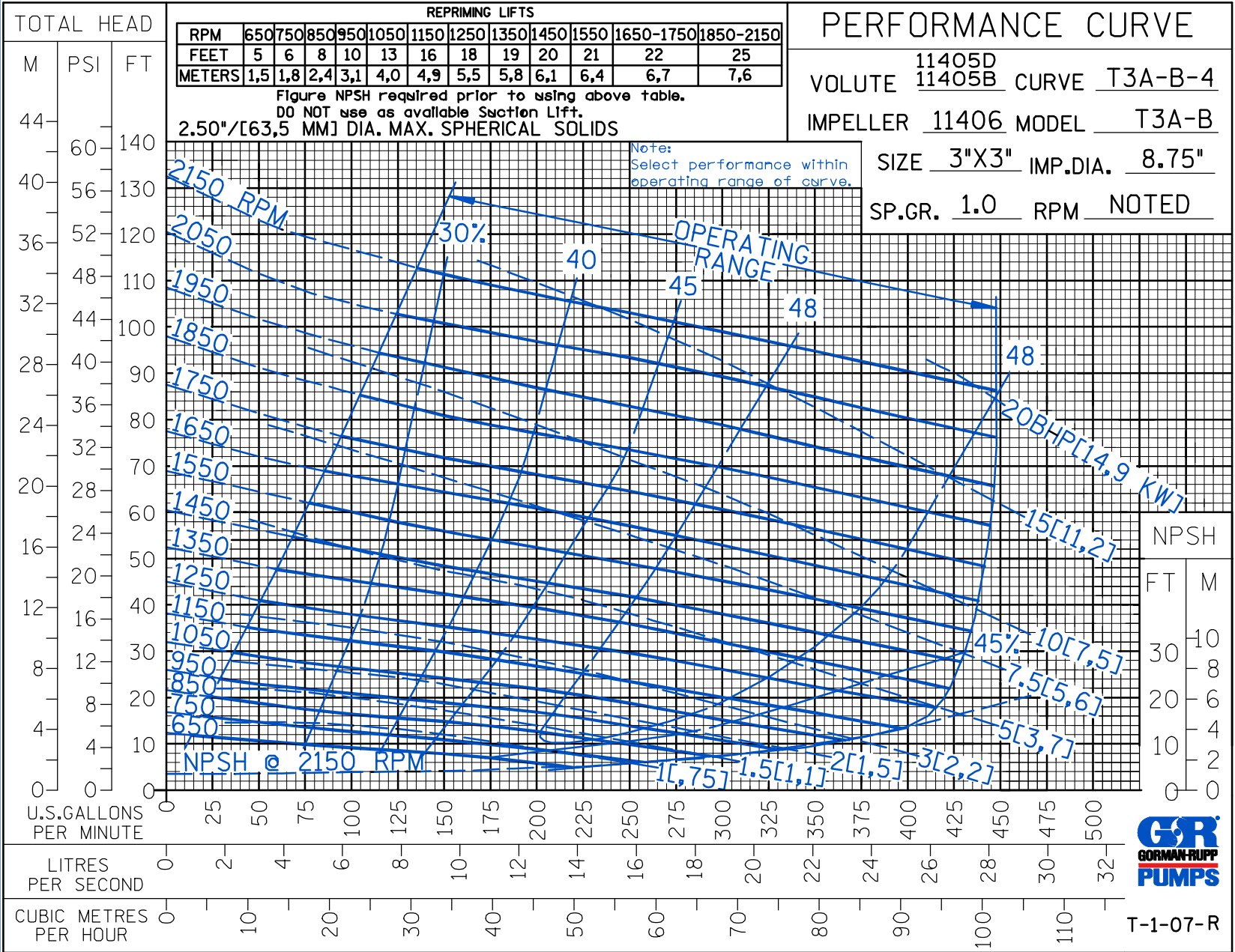


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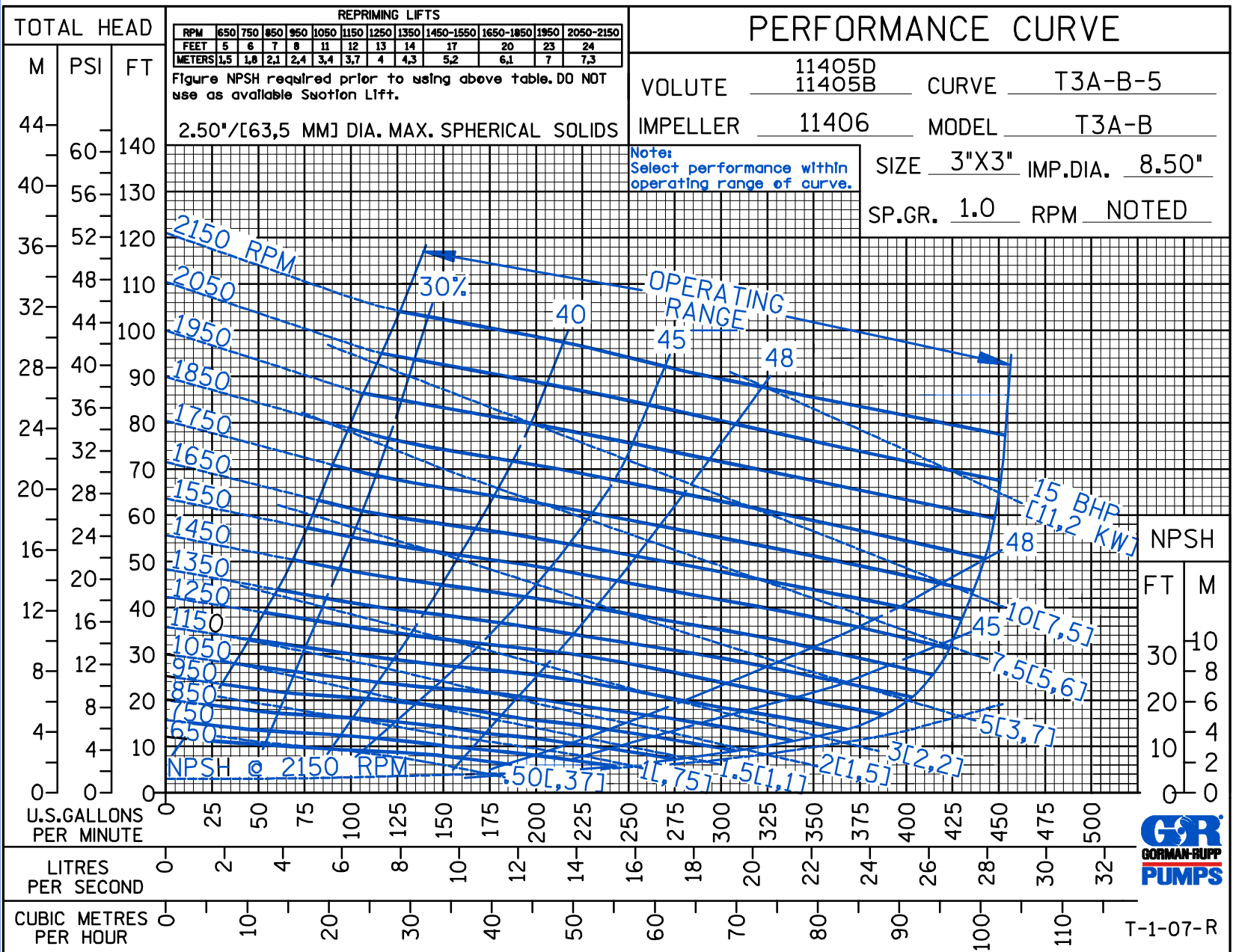


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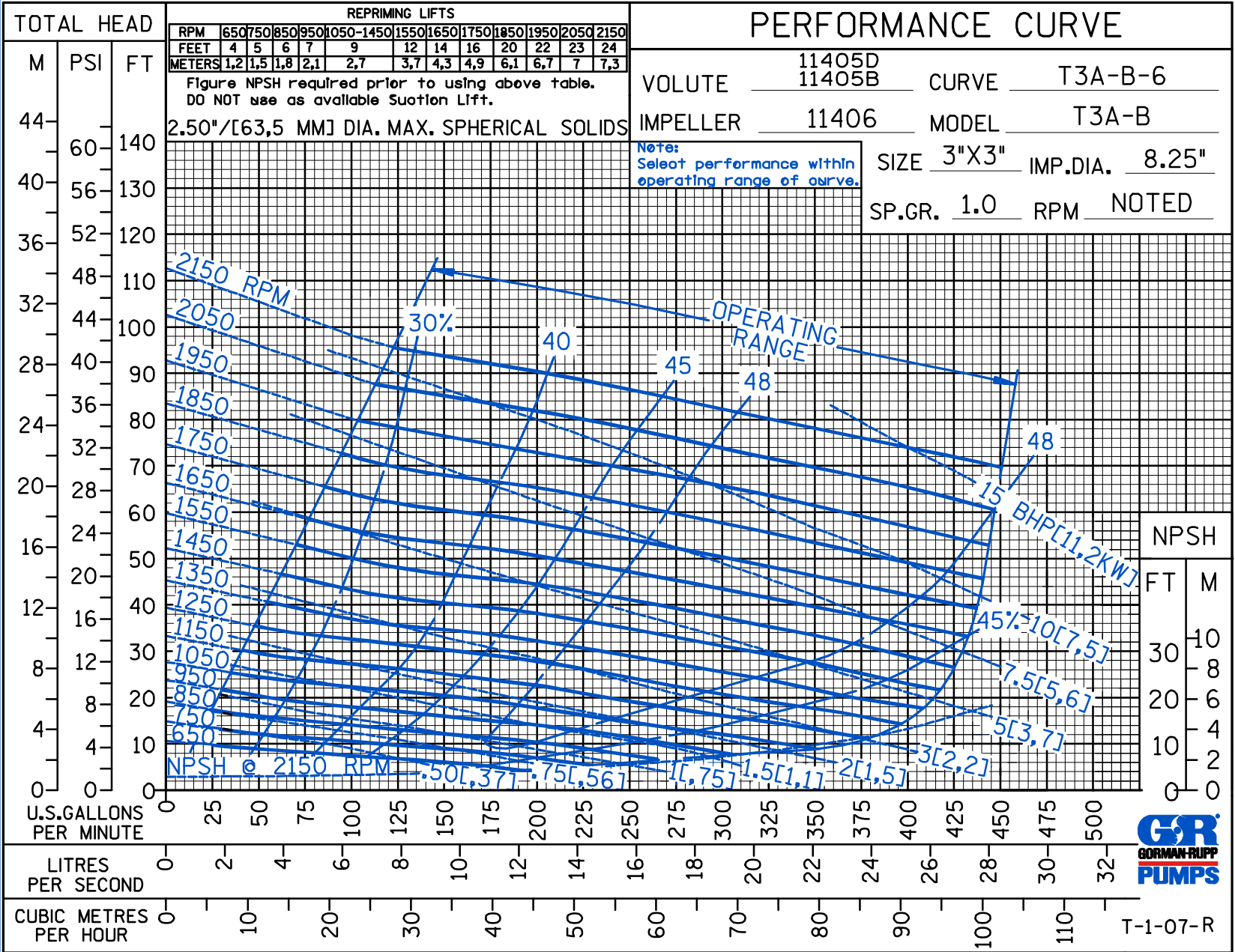


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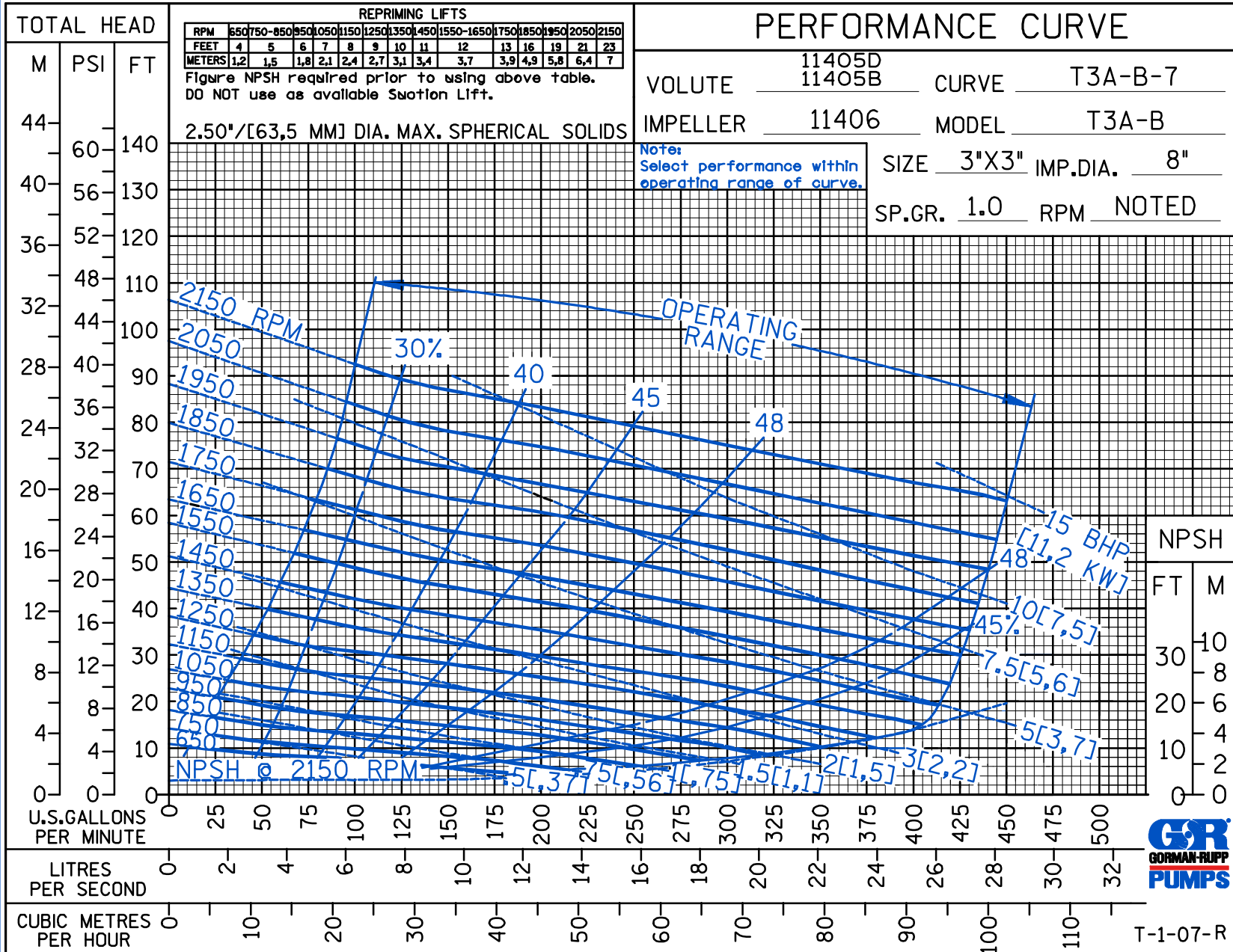
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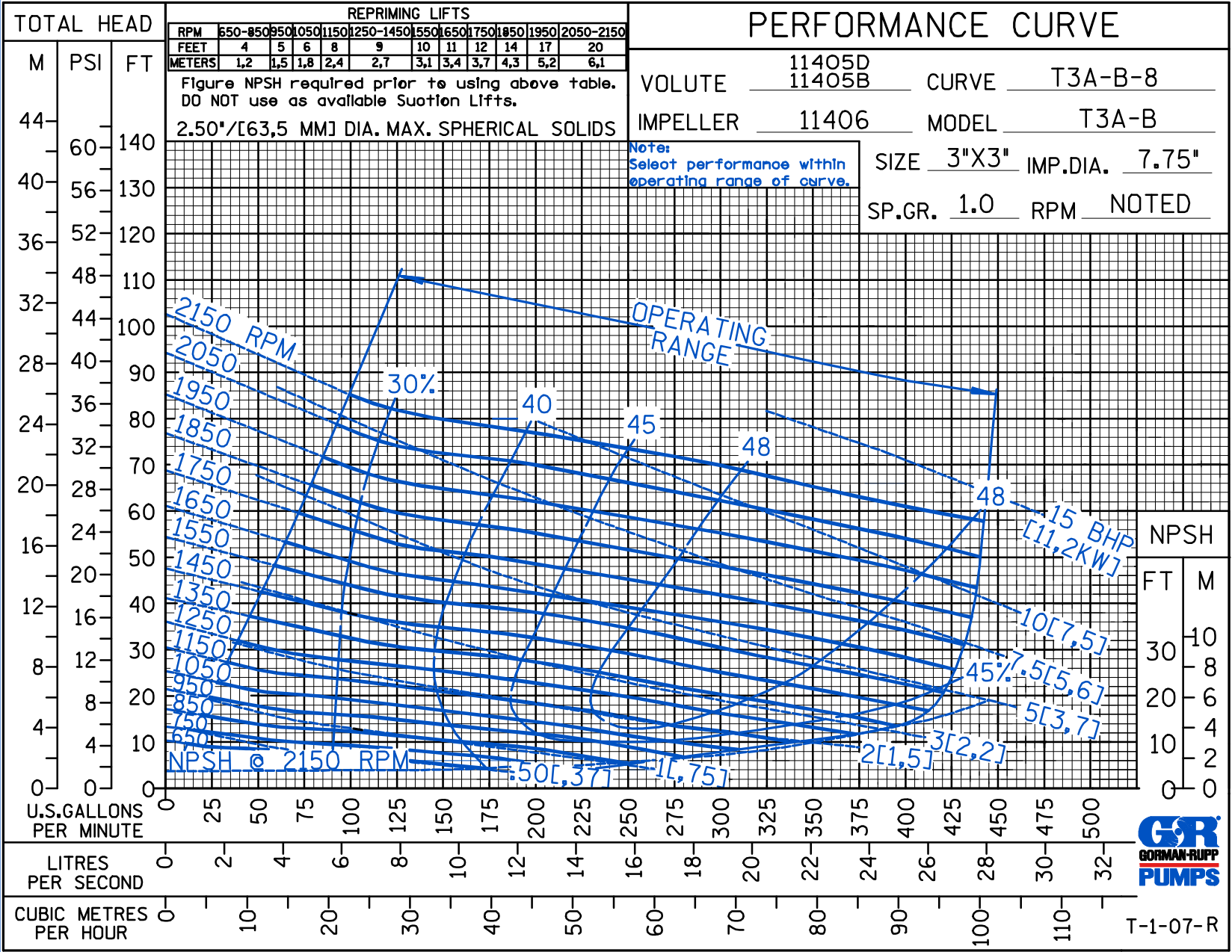


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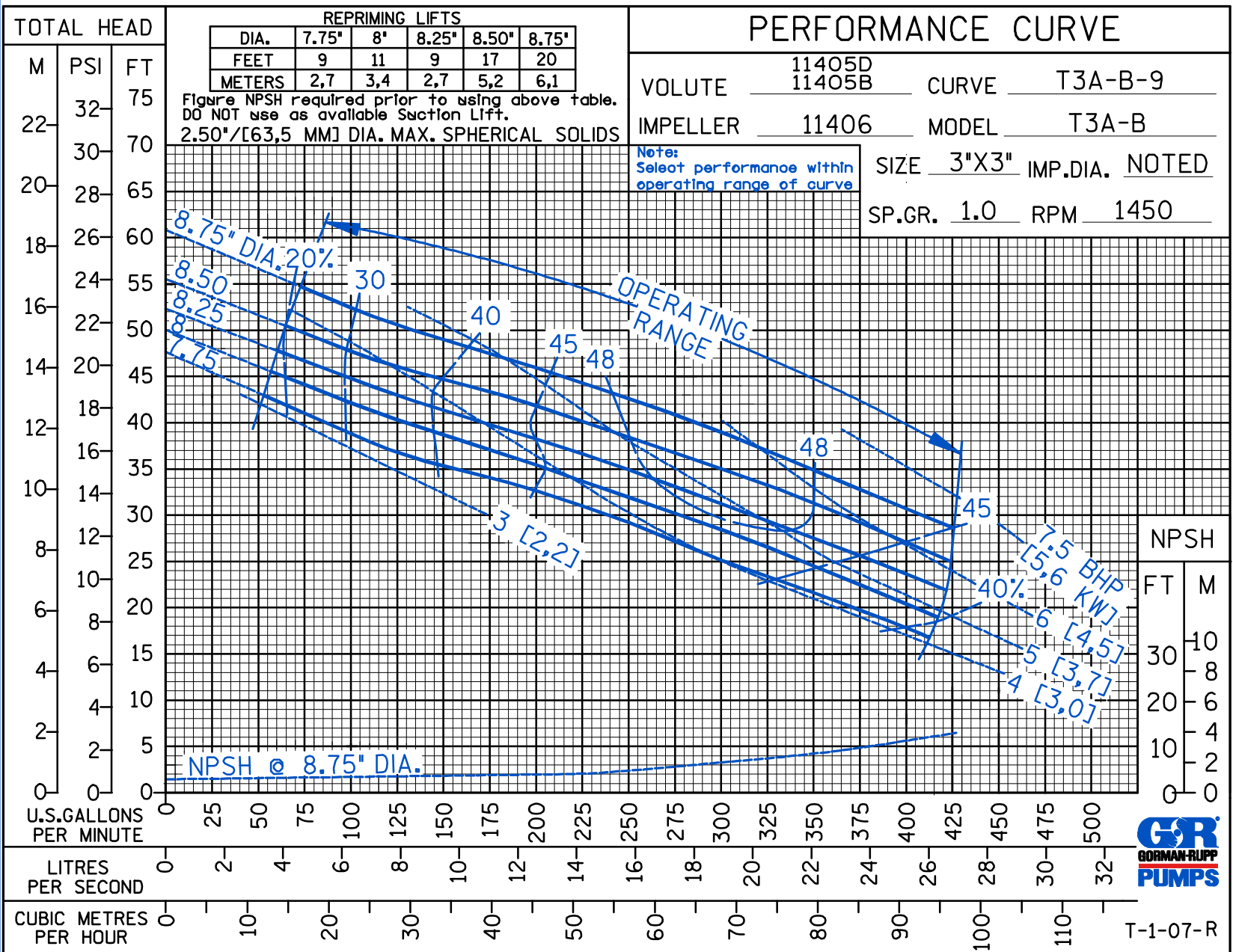
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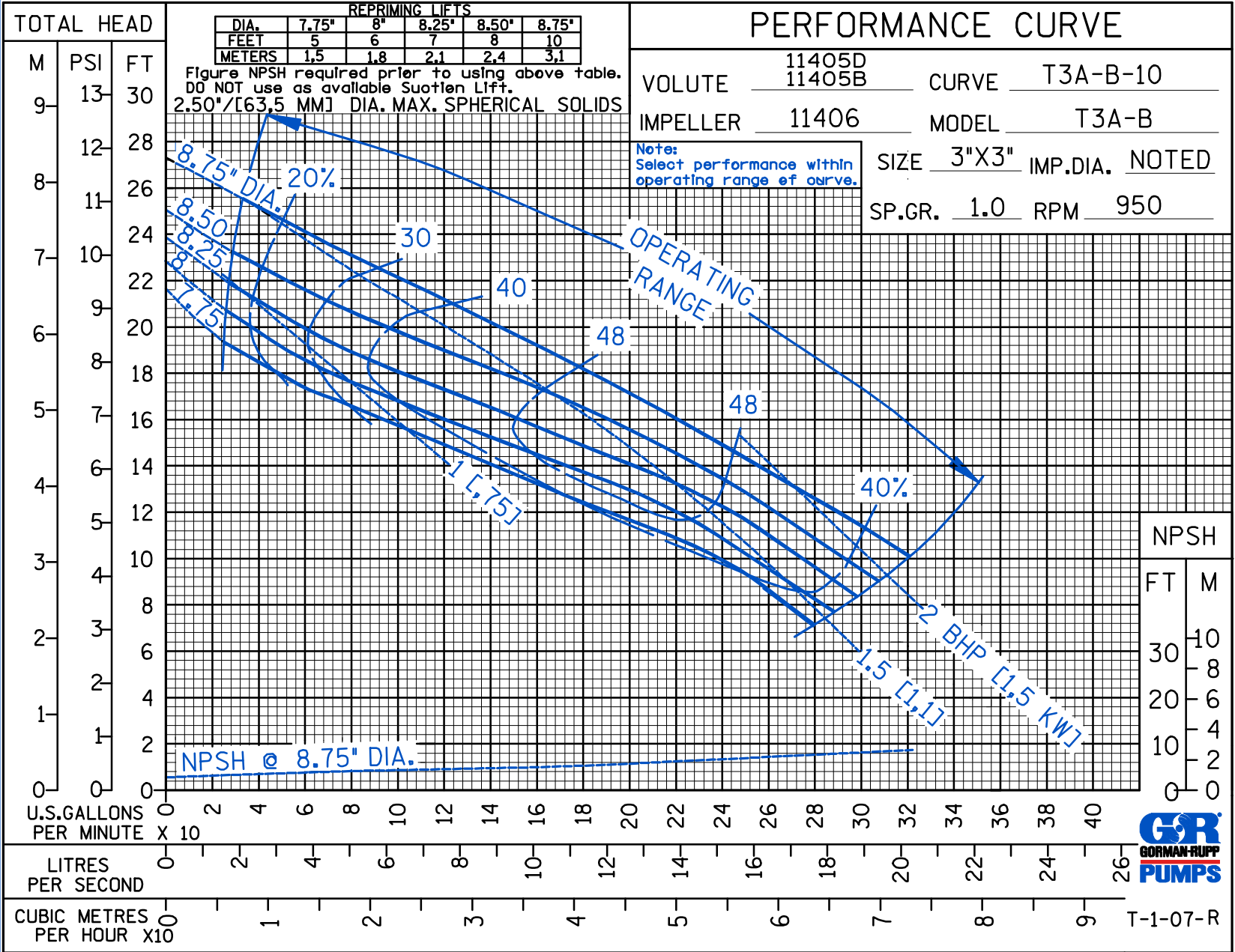


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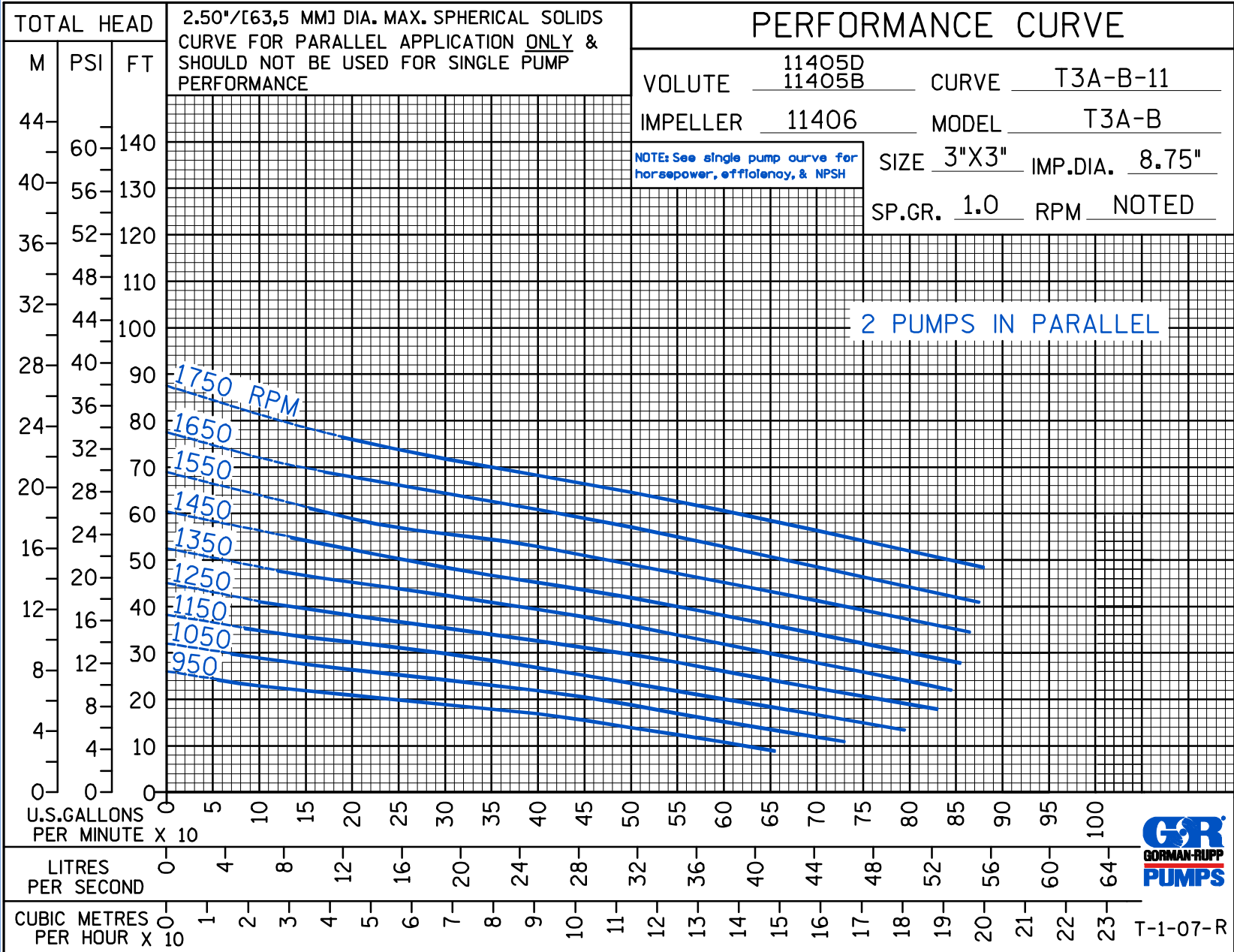


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PERFORMANCE CURVE

VOLUTE	11405D 11405B	CURVE	T3A-B-11
IMPELLER	11406	MODEL	T3A-B
NOTE: See single pump curve for horsepower, efficiency, & NPSH		SIZE	3"X3" IMP.DIA. 8.75"
		SP.GR.	1.0 RPM NOTED

2.50"/[63,5 MM] DIA. MAX. SPHERICAL SOLIDS CURVE FOR PARALLEL APPLICATION ONLY & SHOULD NOT BE USED FOR SINGLE PUMP PERFORMANCE



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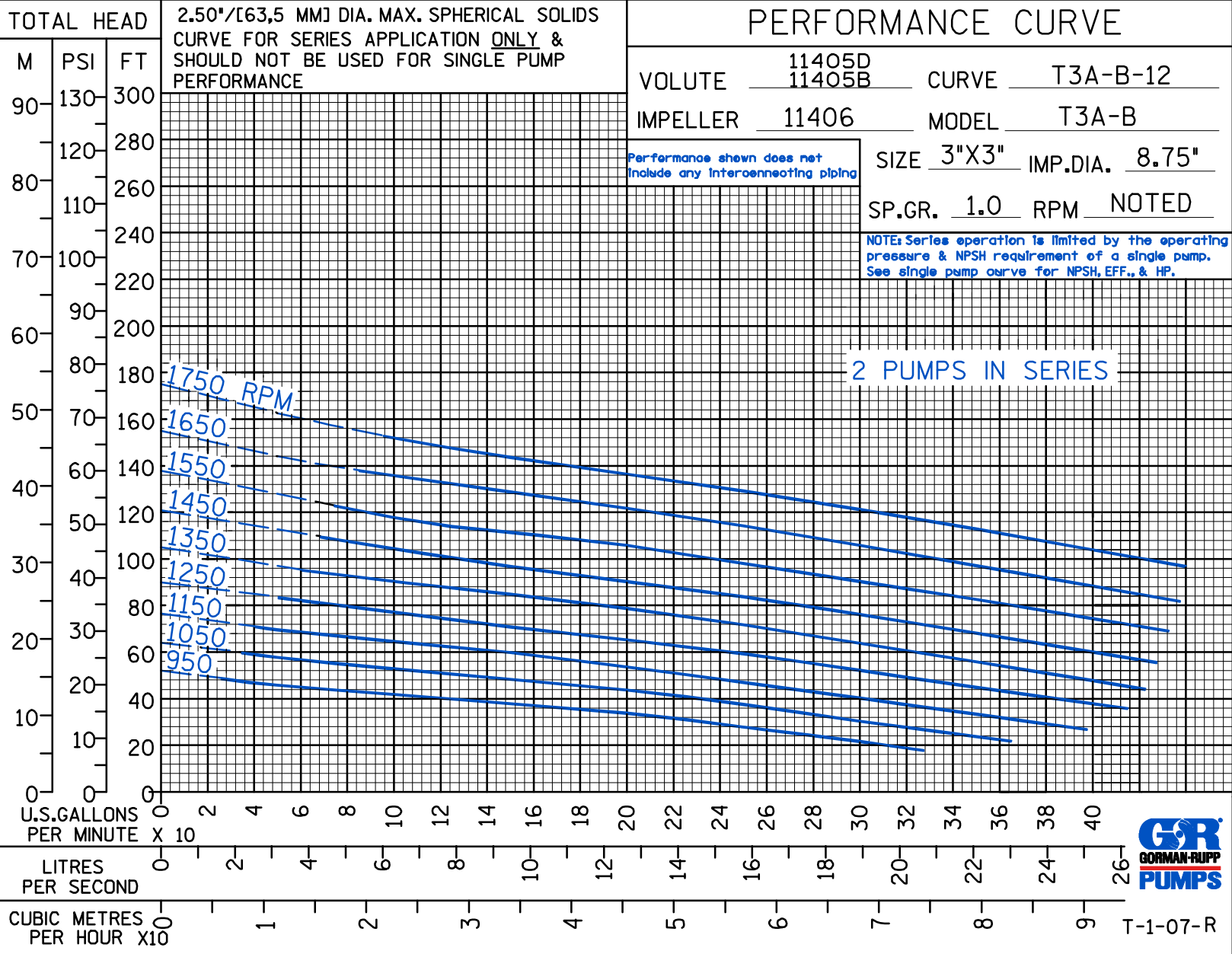
D S W

### PERFORMANCE CURVE

VOLUTE 11405D    CURVE T3A-B-12  
 11405B  
 IMPELLER 11406    MODEL T3A-B  
 SIZE 3"X3"    IMP.DIA. 8.75"  
 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.



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