



VARIOUS PATENTS APPLY

Stainless Steel Fitted Basic

Self Priming Centrifugal Pump**Model T3A61-B****Size 3" x 3"****PUMP SPECIFICATIONS****Size:** 3" x 3" (76 mm x 76 mm) NPT - Female.**Casing:** Gray Iron No. 30.

Maximum Operating Pressure 86 psi (593 kPa).*

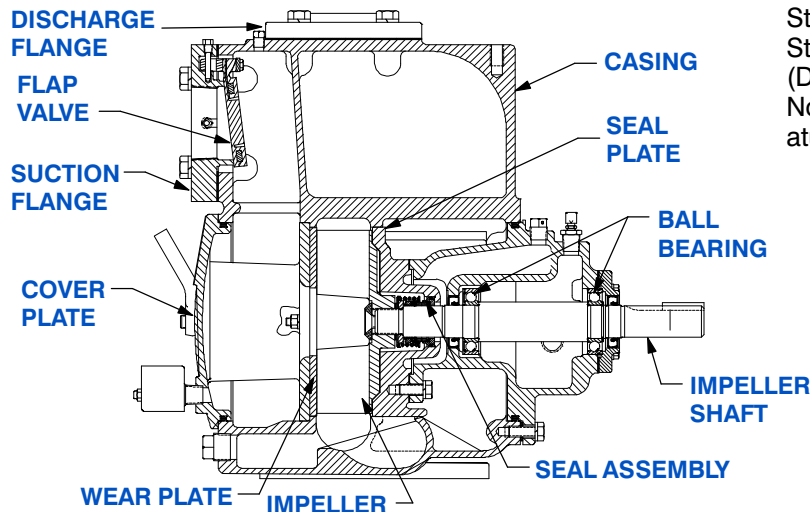
Semi-Open Type, Two Vane Impeller: Stainless Steel No. 316.

Handles 2 1/2" (63,5 mm) Diameter Spherical Solids.

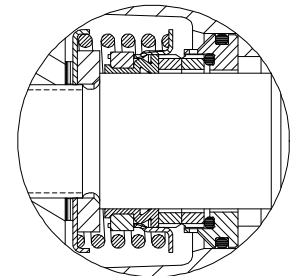
Impeller Shaft: Stainless Steel No. 17-4 PH.**Replaceable Wear Plate:** Stainless Steel No. 316.**Removable Cover Plate:** Gray Iron No. 30; 30 lbs. (14 kg).**Seal Plate:** Stainless Steel No. 316.**Flap Valve:** Neoprene w/Steel Reinforcing.**Bearing Housing:** Gray Iron No. 30.**Radial and Thrust Bearings:** Open Single Row Ball.**Bearing and seal Cavity Lubrication:** SAE No. 30 Non-Detergent Oil.**Flanges:** 125# Gray Iron No. 30.**Gaskets:** Buna-N w/Compressed Synthetic Fibers, Vegetable Fiber, PTFE and Cork/Rubber.**O-Rings:** Buna-N.**Internal Wetted Hardware:** Stainless Steel No. 316.**External Hardware:** Standard Plated Steel.**Pressure Relief Valve:** Stainless Steel No. 316.**Bearing Cavity Oil Level Sight Gauge.****Optional Equipment:** Stainless Steel No. 316 Pressure Relief Valve. Automatic Air Release Valve. G-R Hard Iron Impeller, Seal Plate and Wear Plate. 120V/240V Casing Heater. High Pump Temperature Shutdown Kit. Self-Cleaning Wear Plate.

Gray Iron No. 30 Suction and Discharge Spool Flanges: 3" ASA.

80 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**

Mechanical, Oil-Lubricated, Double Floating, Self-Aligning. Silicon Carbide Rotating and Stationary Faces. Stainless Steel No. 316 Stationary Seat. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel No. 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).*

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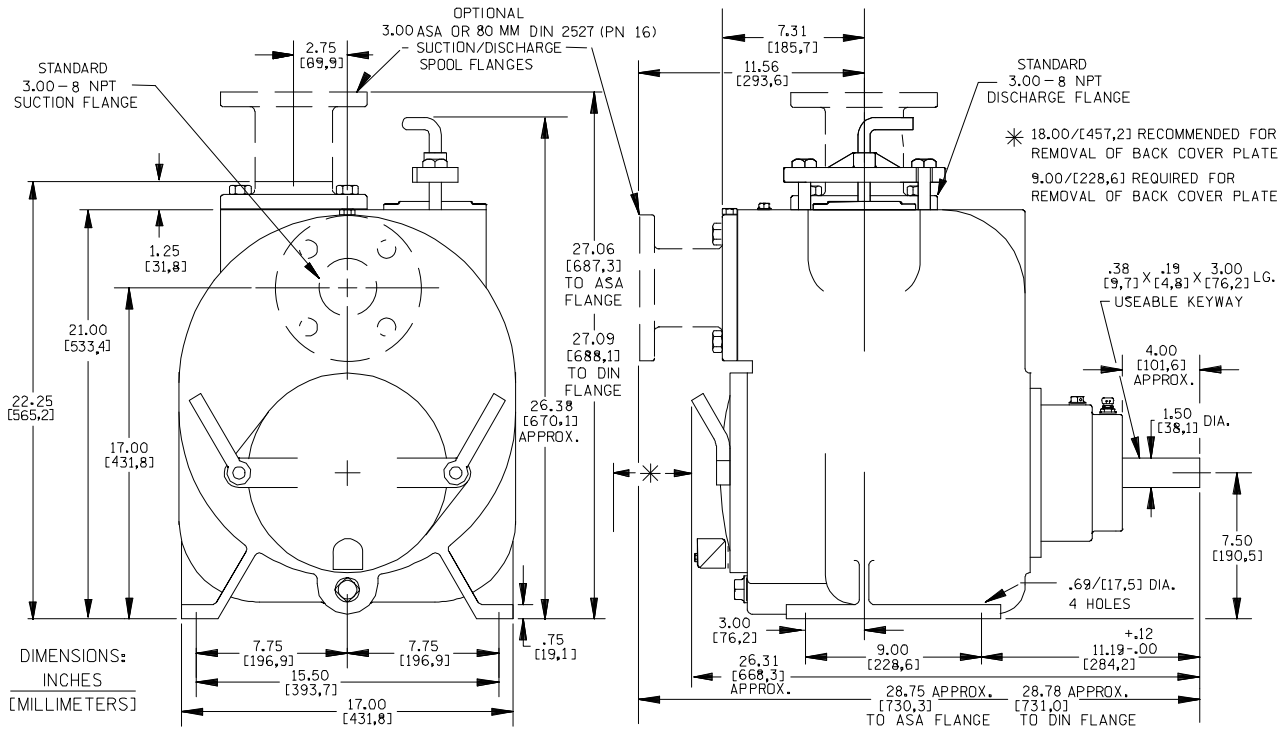
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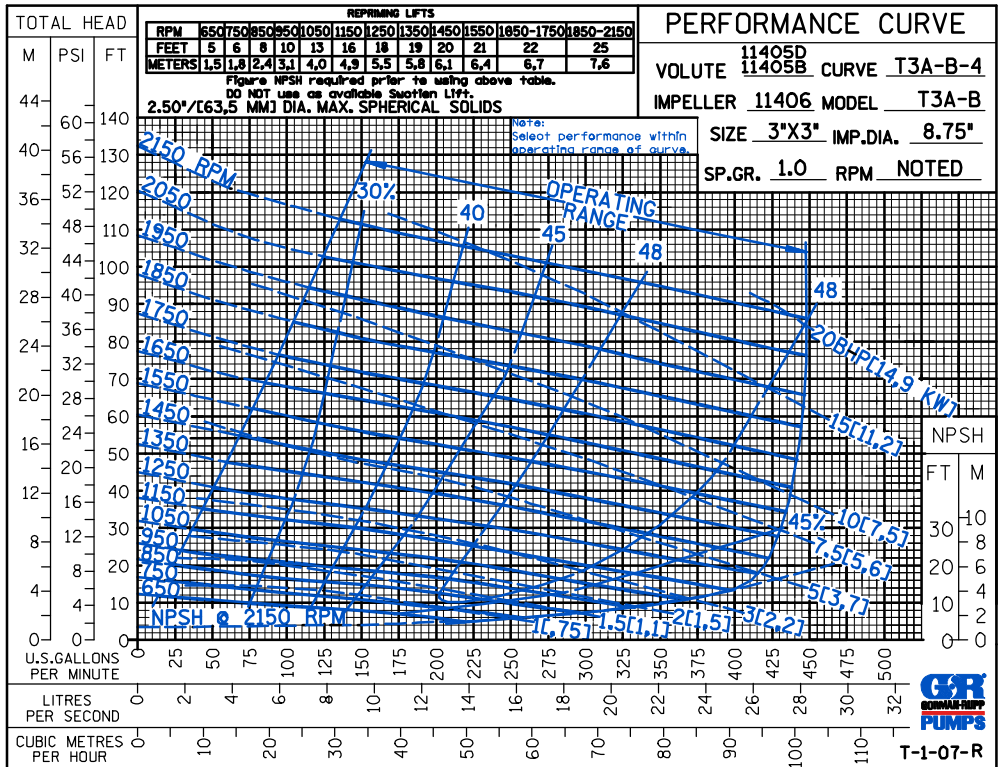
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APPROXIMATE DIMENSIONS and WEIGHTS

NET WEIGHT: 420 LBS. (191 KG.)*
SHIPPING WEIGHT: 468 LBS. (212 KG.)*
EXPORT CRATE: 19.3 CU. FT. (0,55 CU. M.)
***ADD 10 LBS. (4,5 KG.) W/EACH SPOOL FLANGE**



OPTIONAL ASA OR DIN STANDARD SUCTION & DISCHARGE SPOOL FLANGES AVAILABLE



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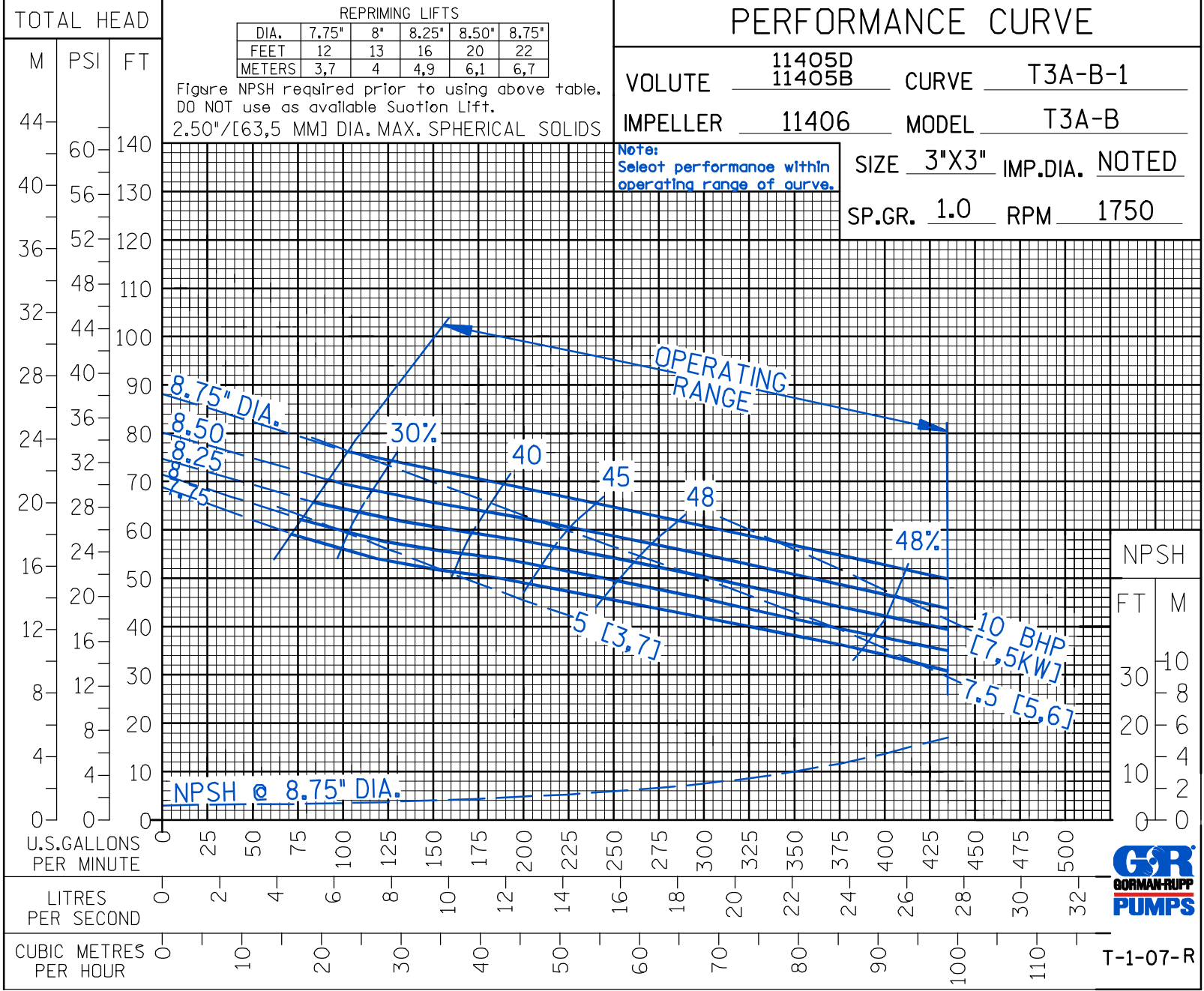
PERFORMANCE CURVE

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

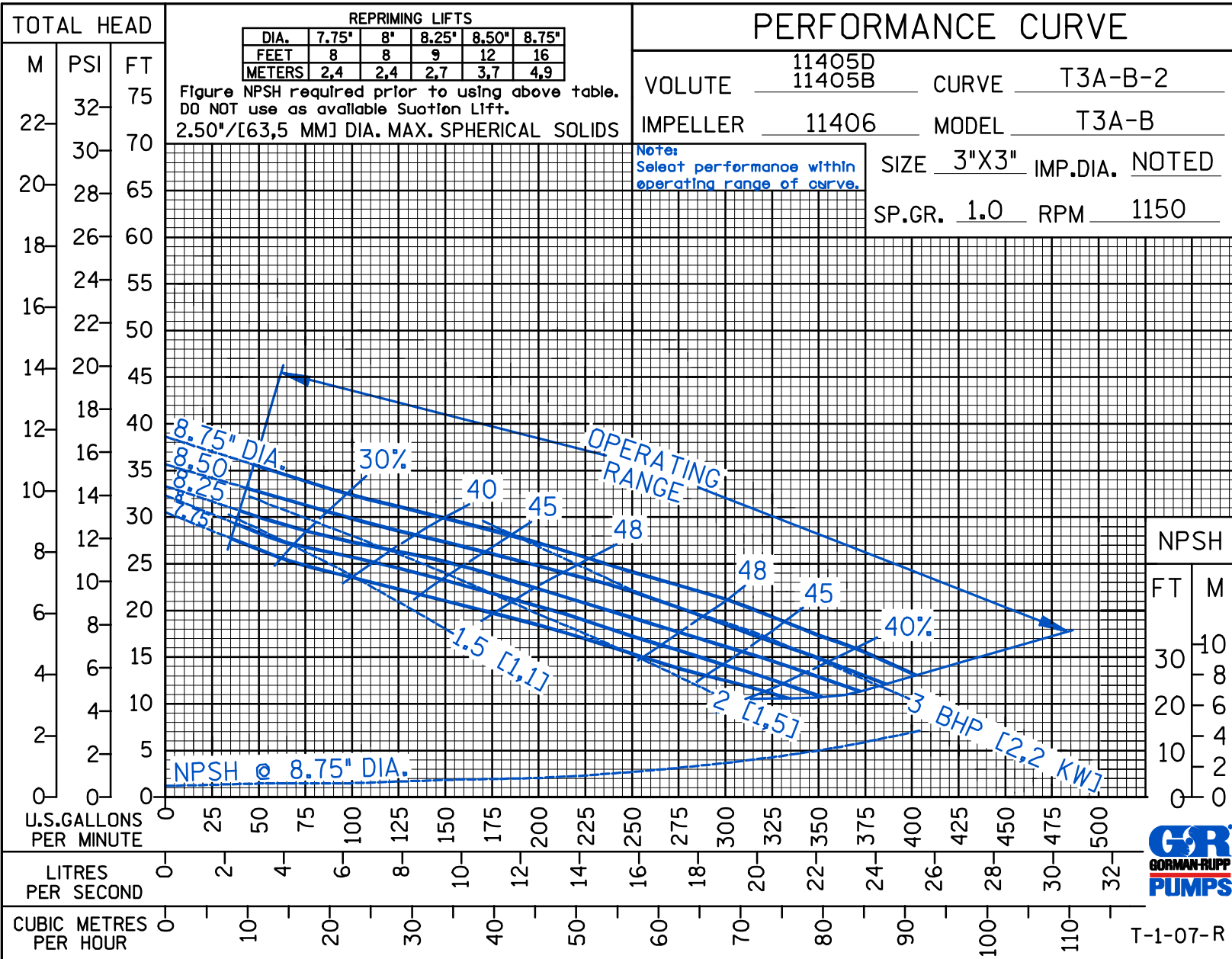
SIZE 3"X3" IMP.DIA. NOTED

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

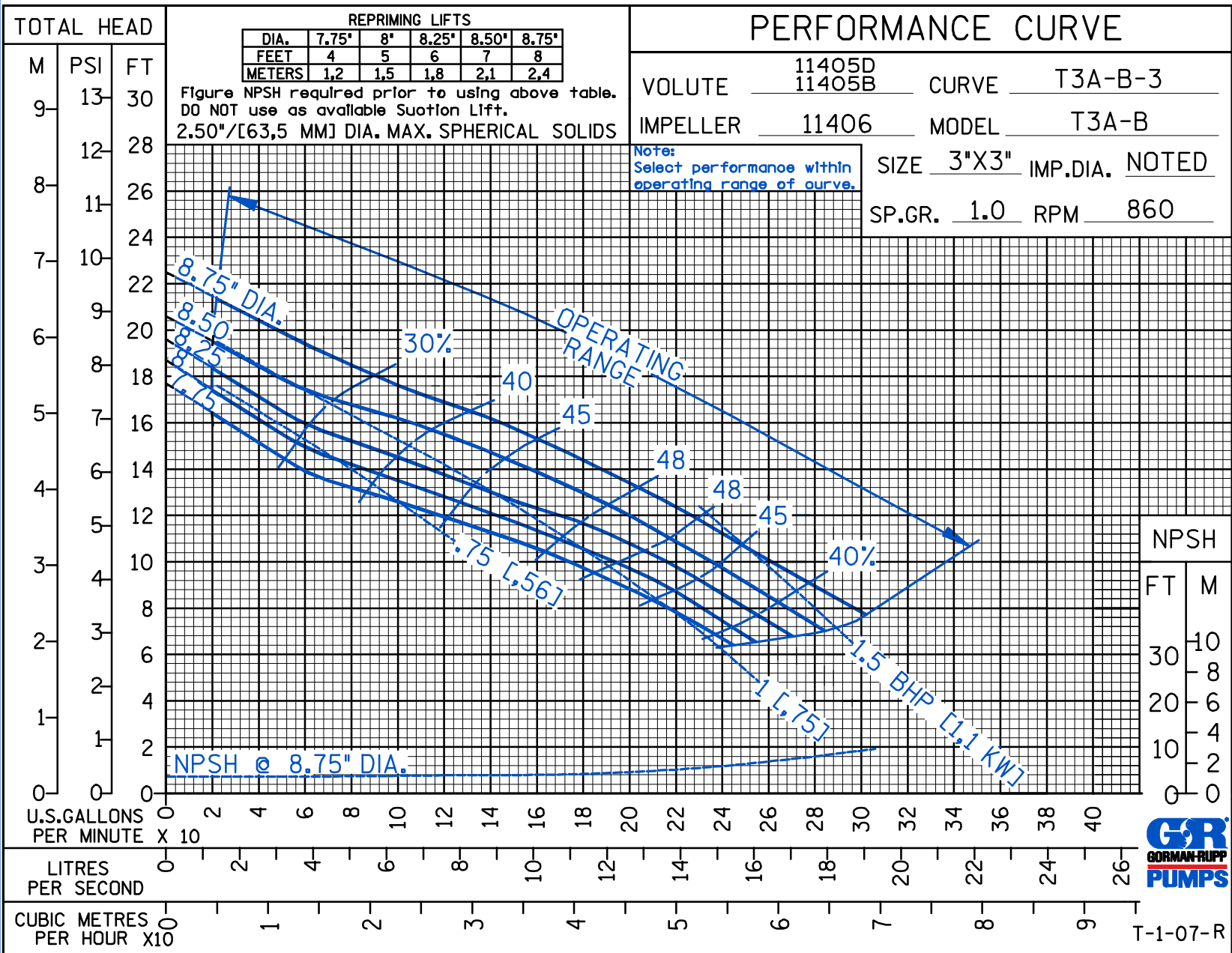
SIZE 3"X3" IMP.DIA. NOTED

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



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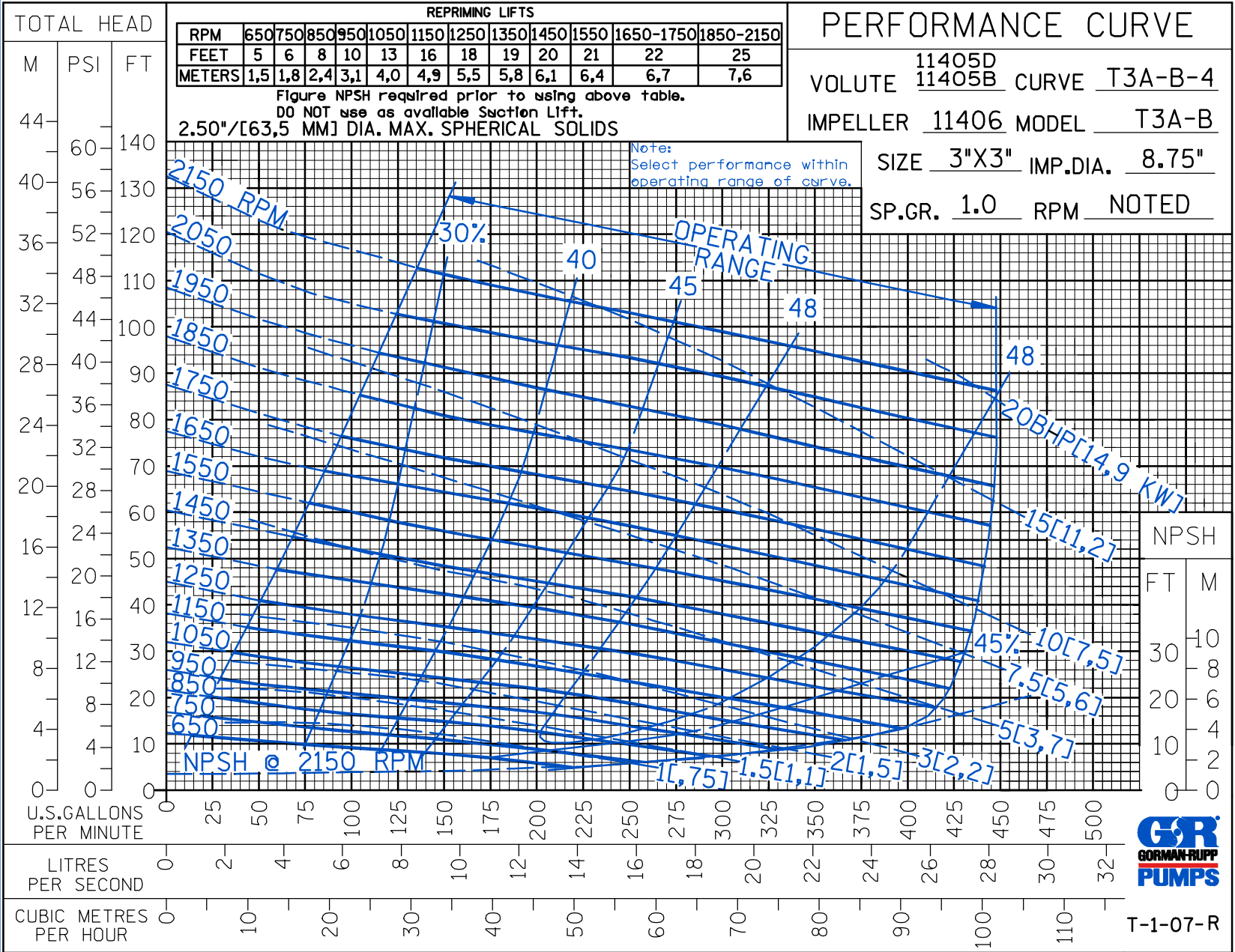


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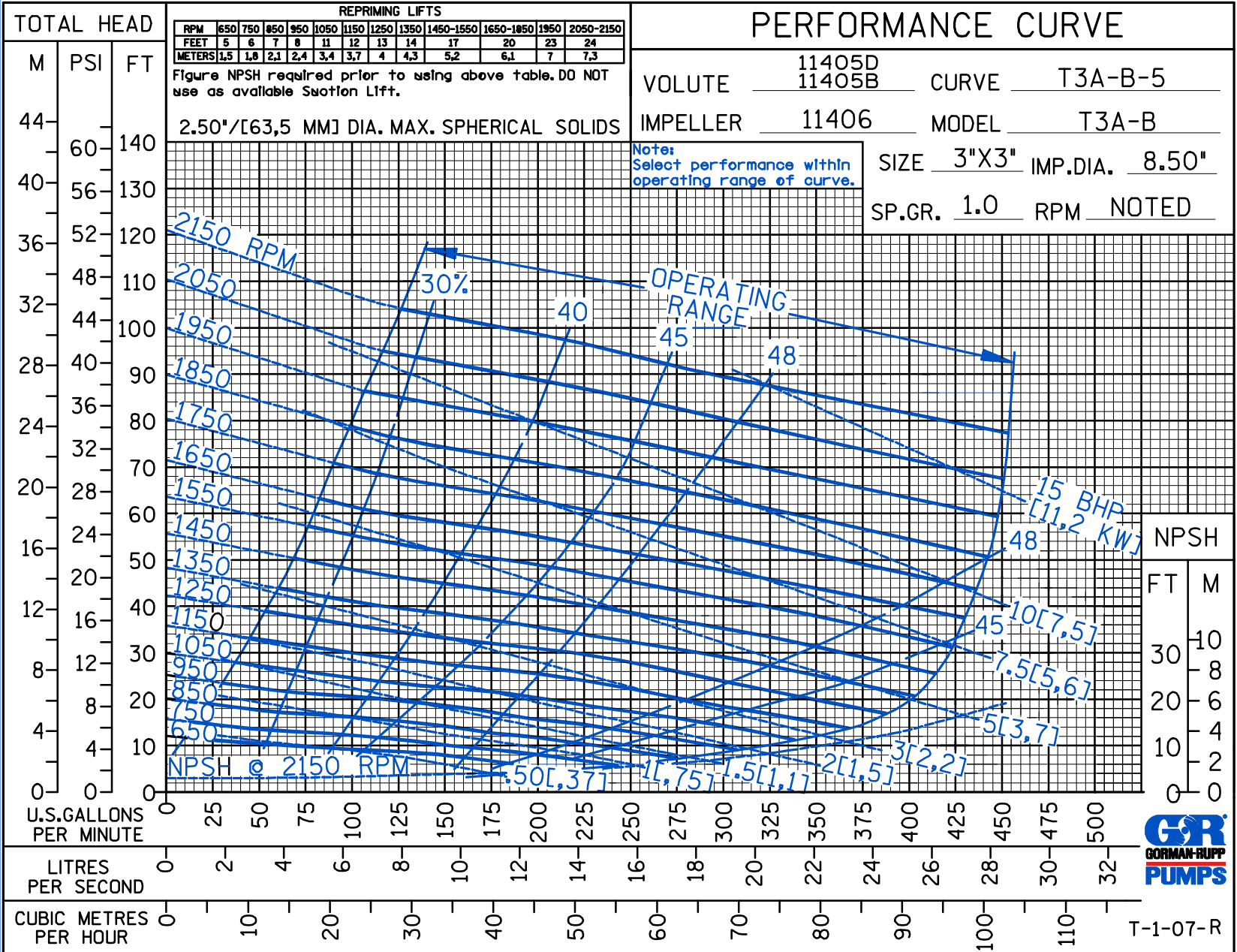


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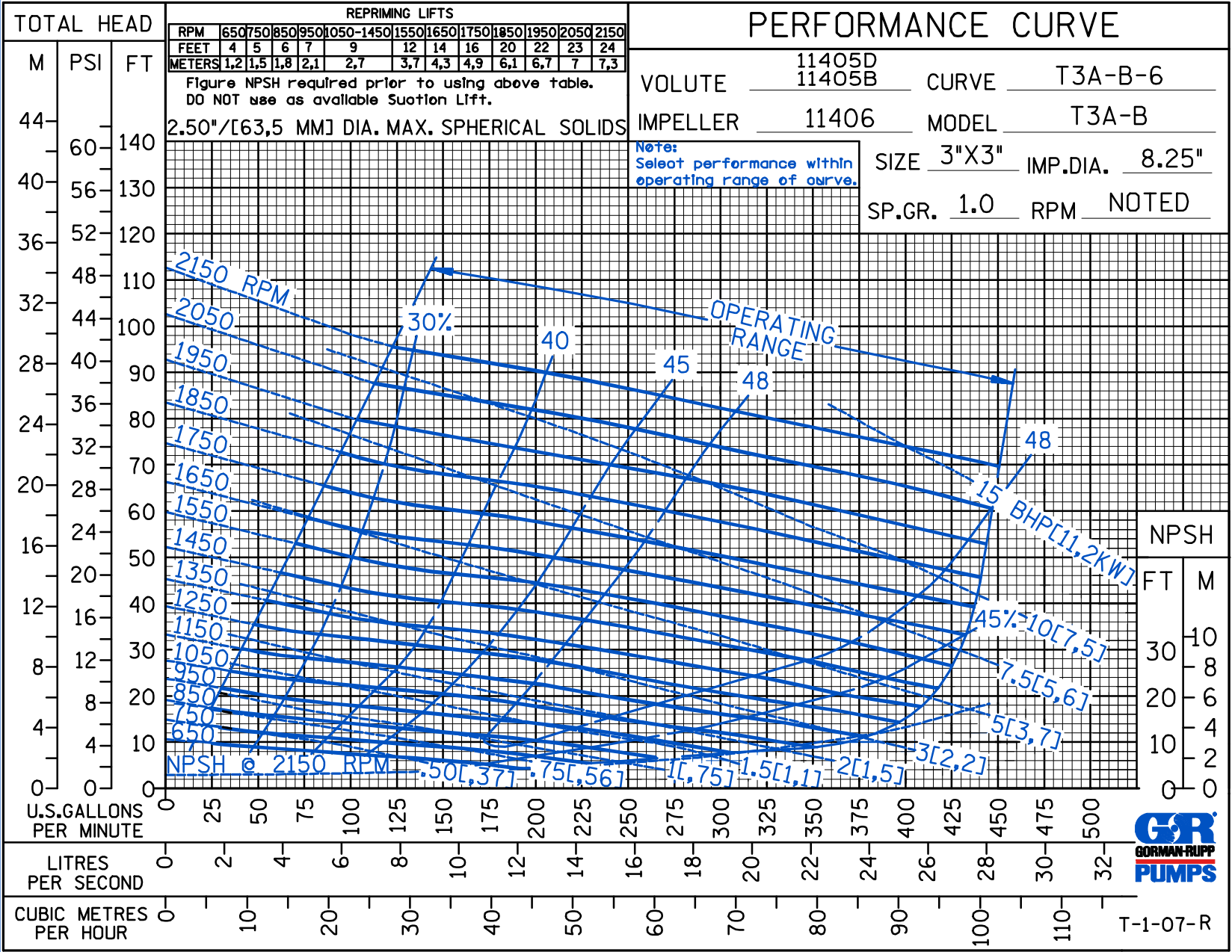
PERFORMANCE CURVE

VOLUTE 11405D
 11405B CURVE T3A-B-6
 IMPELLER 11406 MODEL T3A-B
 SIZE 3"X3" IMP.DIA. 8.25"
 SP.GR. 1.0 RPM NOTED

Note:
 Select performance within
 operating range of curve.

REPRIMING LIFTS													
RPM	650	750	850	950	1050	1450	1550	1650	1750	1850	1950	2050	2150
FEET	4	5	6	7	9	12	14	16	20	22	23	24	
METERS	1,2	1,5	1,8	2,1	2,7	3,7	4,3	4,9	6,1	6,7	7	7,3	

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



NPSH
 FT M
 10 8 6 4 2 0



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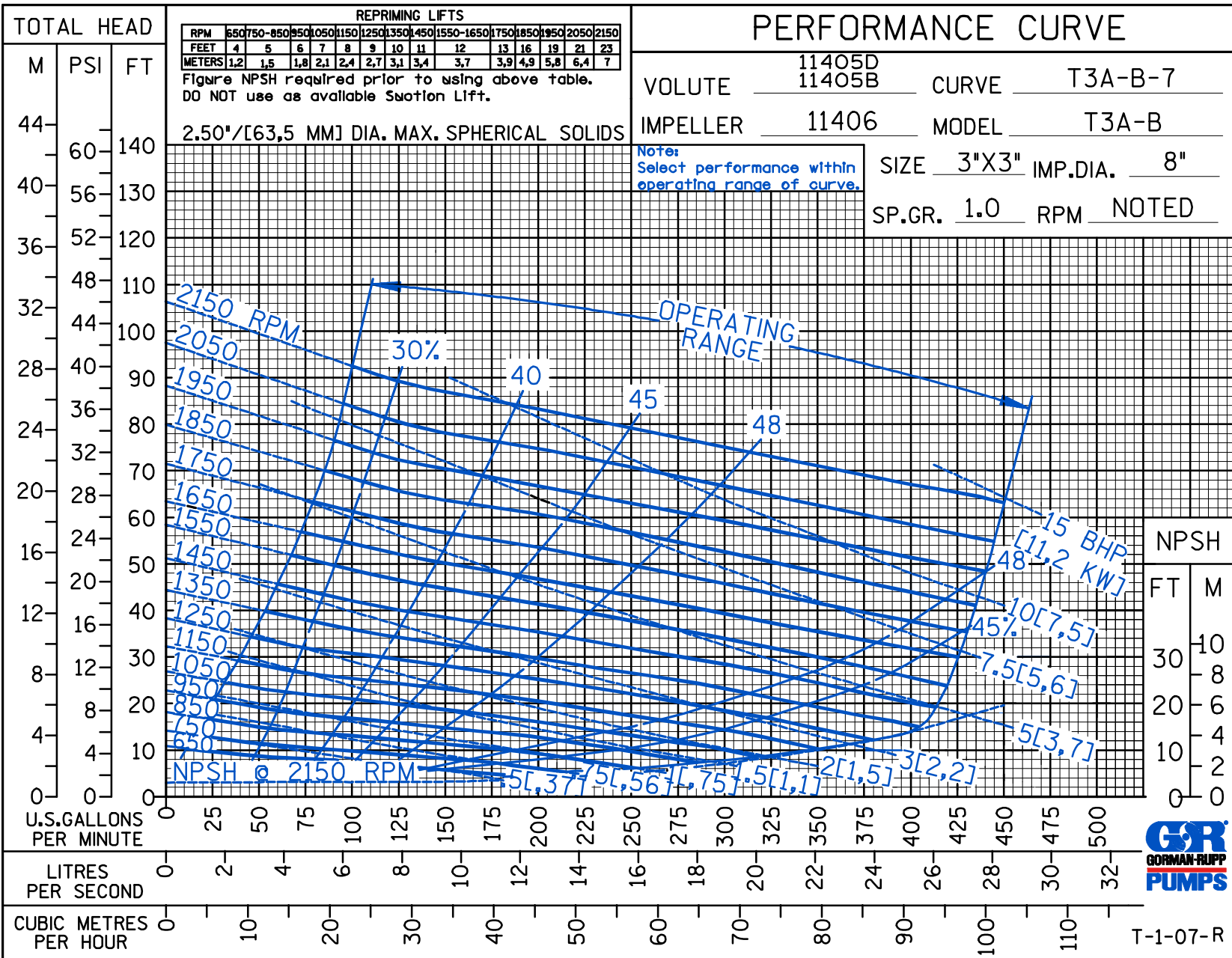


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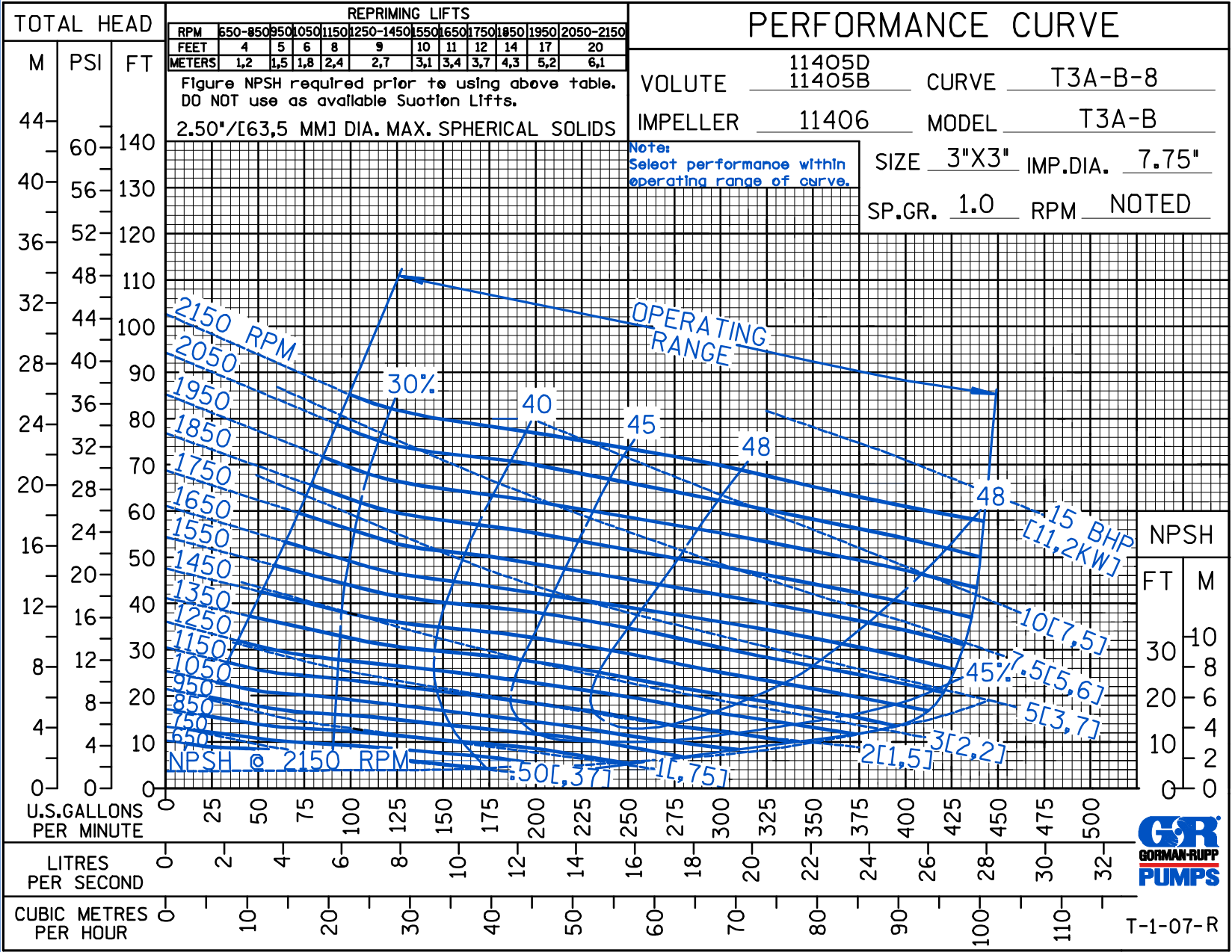


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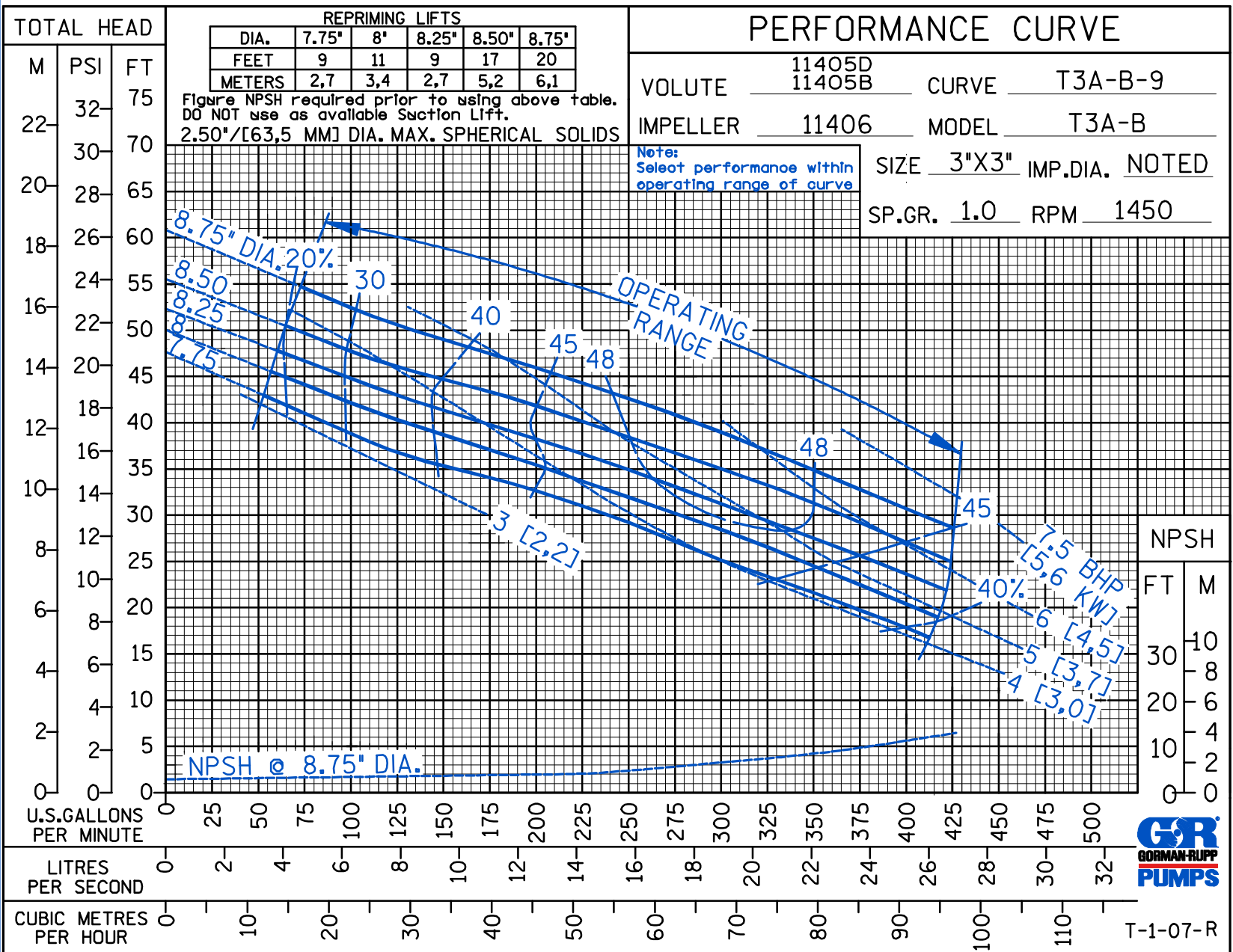
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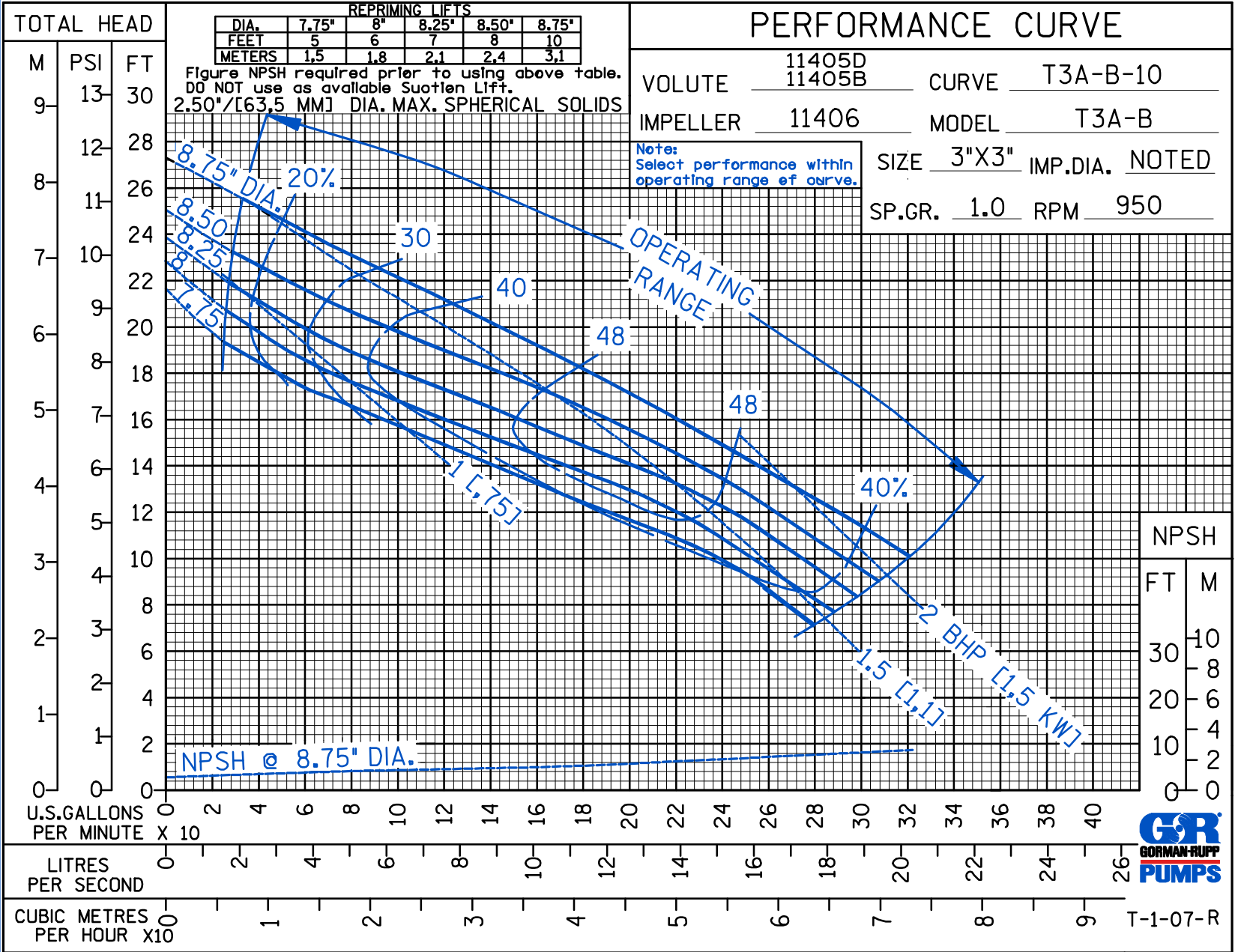


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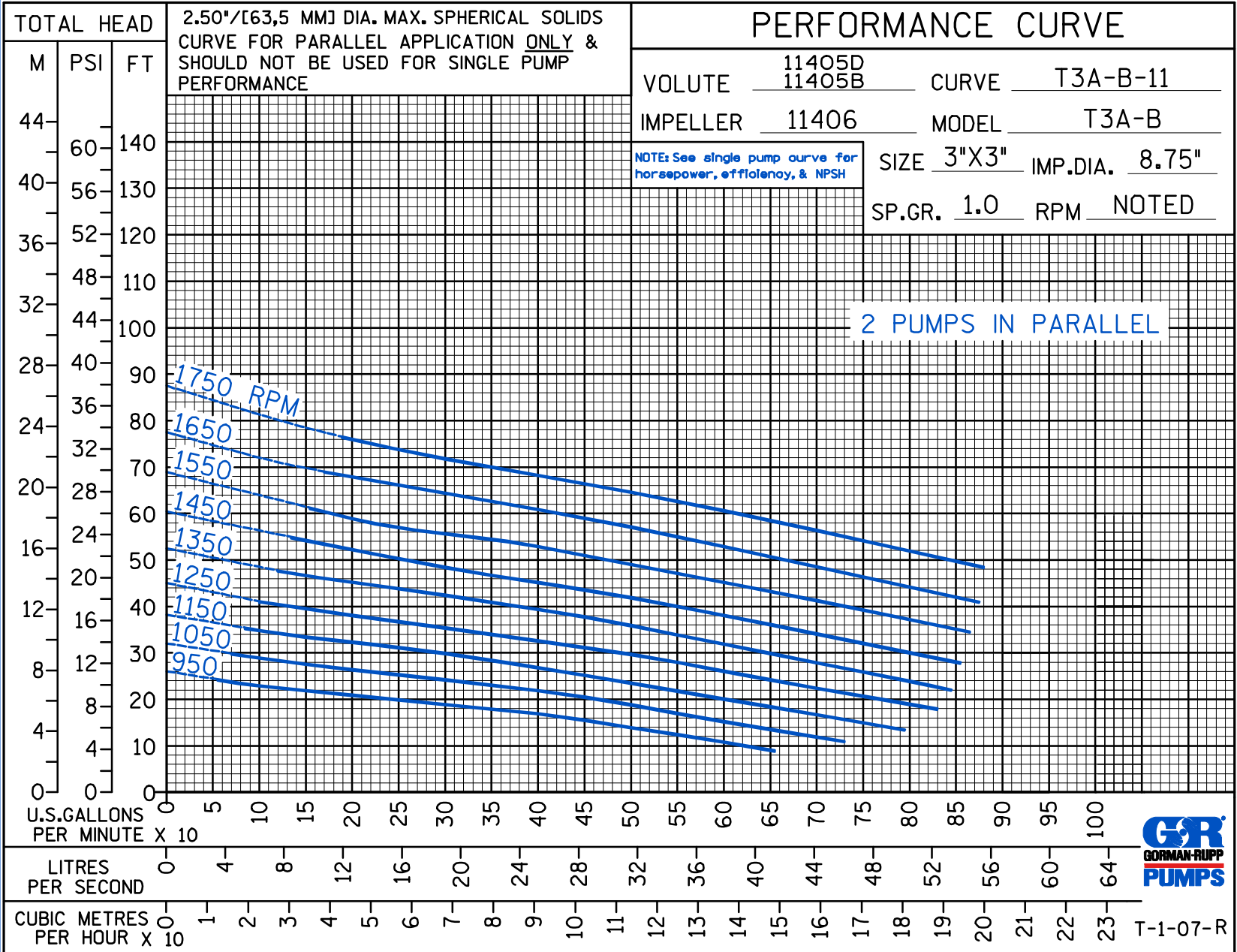
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D S W

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

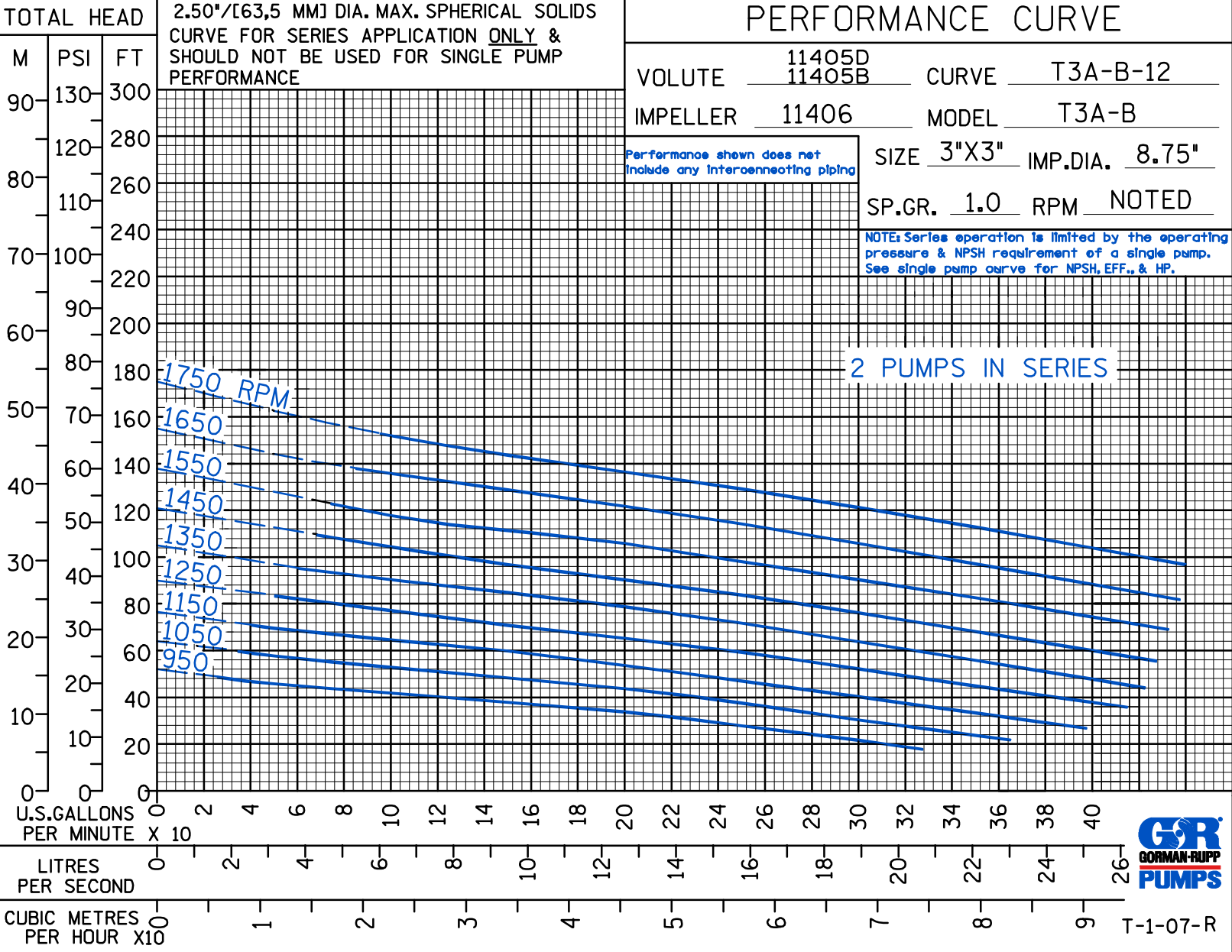
PERFORMANCE CURVE

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.

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



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