



Self Priming Centrifugal Pump

Model T2A71-B

Size 2" x 2"

VARIOUS PATENTS APPLY

PUMP SPECIFICATIONS

Size: 2" x 2" (51 mm x 51 mm) NPT - Female.

Casing: Gray Iron 30.

Maximum Operating Pressure 79 psi (545 kPa).*

Semi-Open Type, Two Vane Impeller: G-R Hard Iron.

Handles 1 1/2" (38,1 mm) Diameter Spherical Solids.

Impeller Shaft: Alloy Steel 4150.

Shaft Sleeve: Alloy Steel 4130.

Replaceable Wear Plate: Hardened Alloy Steel.

Removable Cover Plate: Gray Iron 30; 20 lbs. (9 kg).

Seal Plate: G-R Hard Iron.

Externally Replaceable Flap Valve: Neoprene w/Steel Reinforcing.

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: Gray Iron 30.

Gaskets: Buna-N, 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: 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:

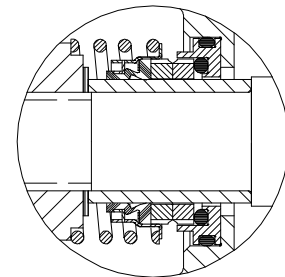
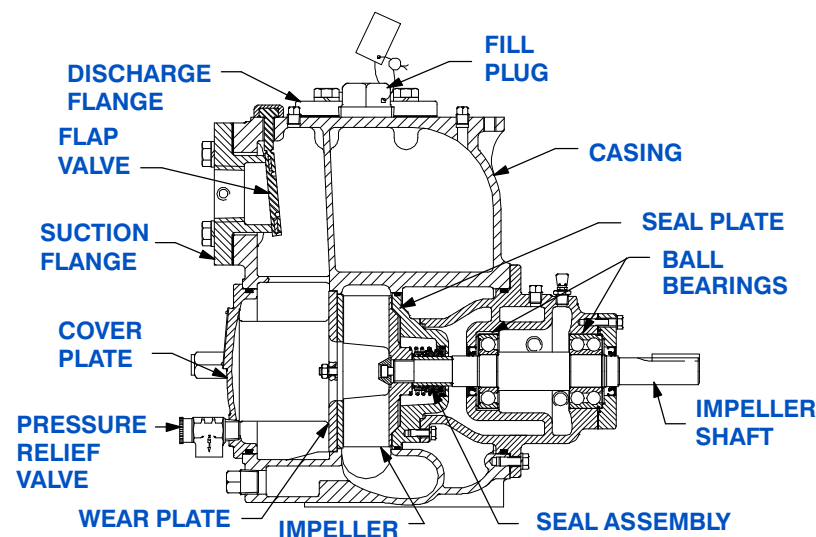
2" ASA (**Specify Model T2A71-B /F**).

50 mm DIN 2527 (PN 16) (**Specify Model T2A71-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 DETAIL

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 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).*



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

www.grpumps.com

Specifications Subject to Change Without Notice

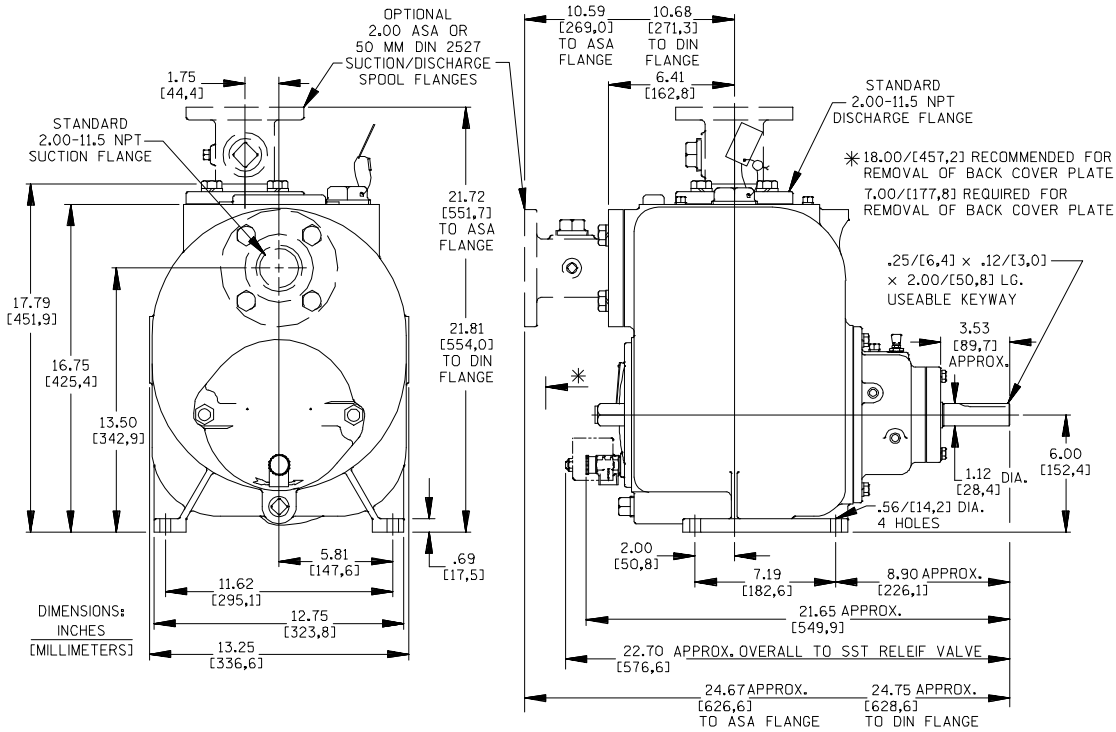
Printed in U.S.A.

Specification Data

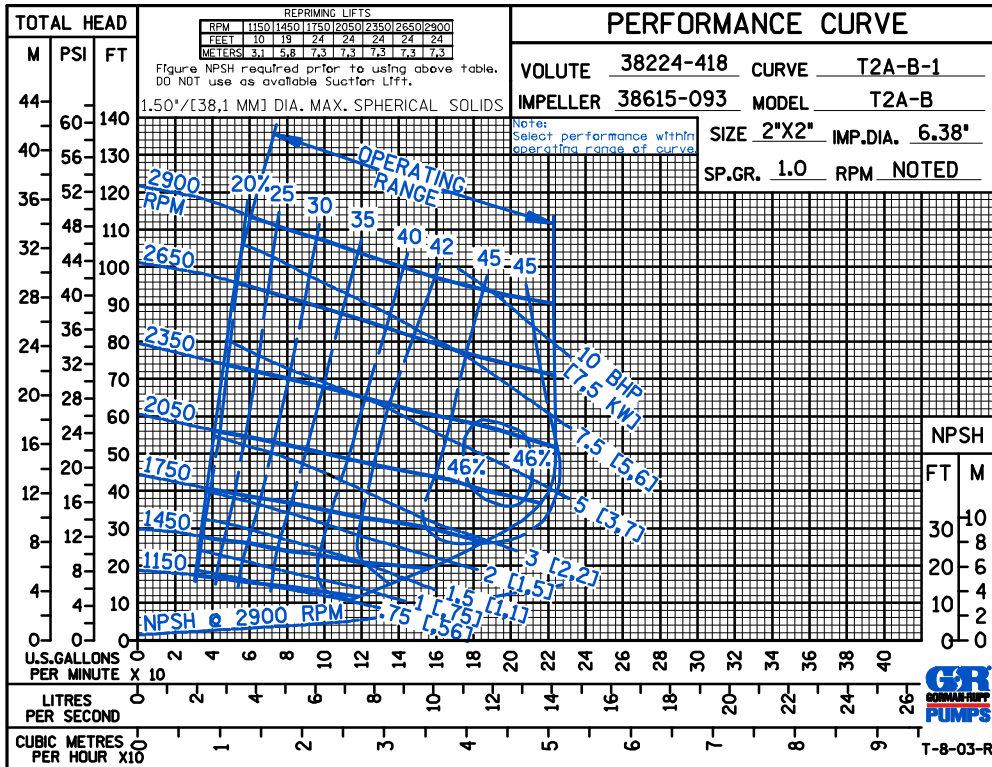
SECTION 55, PAGE 988

APPROXIMATE DIMENSIONS and WEIGHTS

NET WEIGHT: 220 LBS. (100 KG.)*
SHIPPING WEIGHT: 230 LBS. (104 KG.)*
EXPORT CRATE: 7.9 CU. FT. (0,22 CU. M.)
***ADD 8 LBS. (3,6 KG.) W/EACH SPOOL FLANGE**



OPTIONAL ASA OR DIN STANDARD SUCTION & DISCHARGE SPOOL FLANGES AVAILABLE



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

Specifications Subject to Change Without Notice

Printed in U.S.A.



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

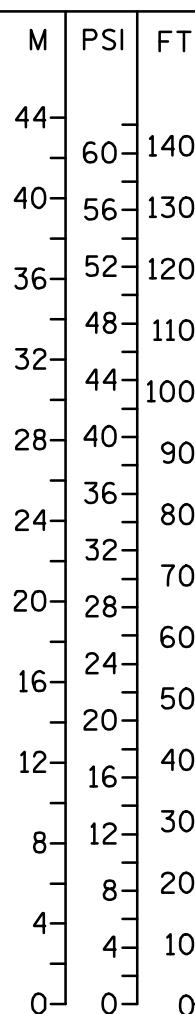
www.grpumps.com

Specifications Subject to Change Without Notice

Printed in U.S.A.

© Copyright by the Gorman-Rupp Company 2010

TOTAL HEAD



REPRIMING LIFTS							
RPM	1150	1450	1750	2050	2350	2650	2900
FEET	10	19	24	24	24	24	24
METERS	3,1	5,8	7,3	7,3	7,3	7,3	7,3

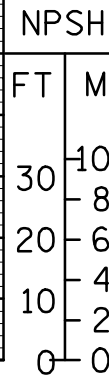
Figure NPSH required prior to using above table. DO NOT use as available Suction Lift.

1.5"/[38,1 MM] DIA. MAX. SPHERICAL SOLIDS

PERFORMANCE CURVE

VOLUTE 38224-418 CURVE T2A-B-1
 IMPELLER 38615-093 MODEL T2A-B
 SIZE 2"X2" IMP.DIA. 6.38"
 SP.GR. 1.0 RPM NOTED

Note: Select performance within operating range of curve.



CDS

Curve Data

Sec. 55

PAGE 988.1
MARCH 2010



T-8-03-R

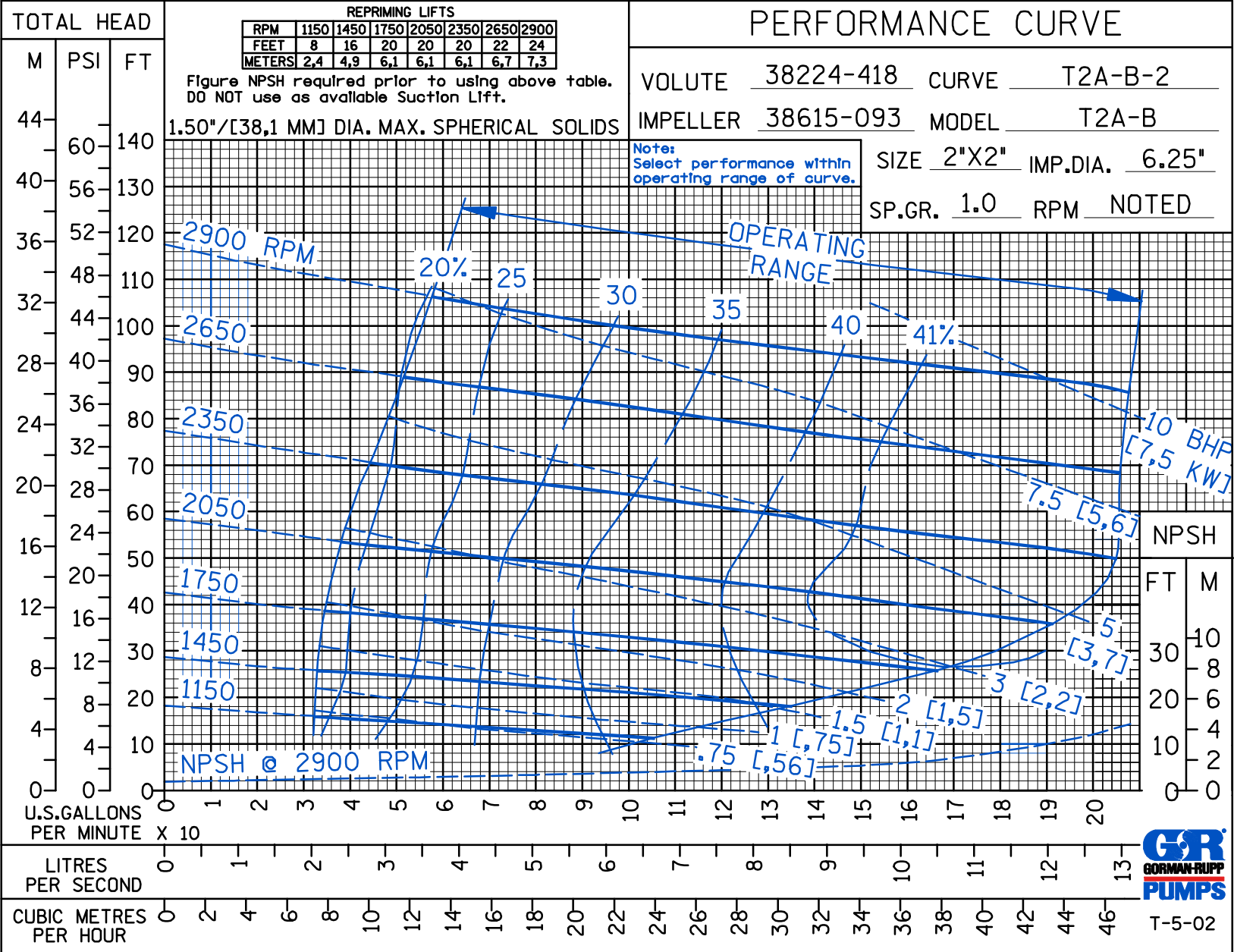


THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO
 GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA
 www.grpumps.com

© Copyright by the Gorman-Rupp Company 2010

Specifications Subject to Change Without Notice

Printed in U.S.A.



CDS

Curve Data

Sec. 55

PAGE 988.2
 MARCH 2010



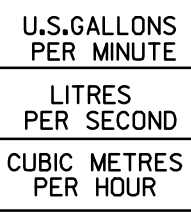
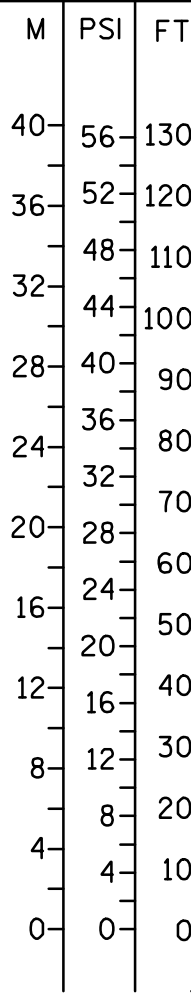
THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO
 GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA
 www.grpumps.com

© Copyright by the Gorman-Rupp Company 2010

Specifications Subject to Change Without Notice

Printed in U.S.A.

TOTAL HEAD



REPRIMING LIFTS							
RPM	1150	1450	1750	2050	2350	2650	2900
FEET	6	11	16	18	20	24	28
METERS	1,8	3,4	4,9	5,5	6,1	7,3	8,5

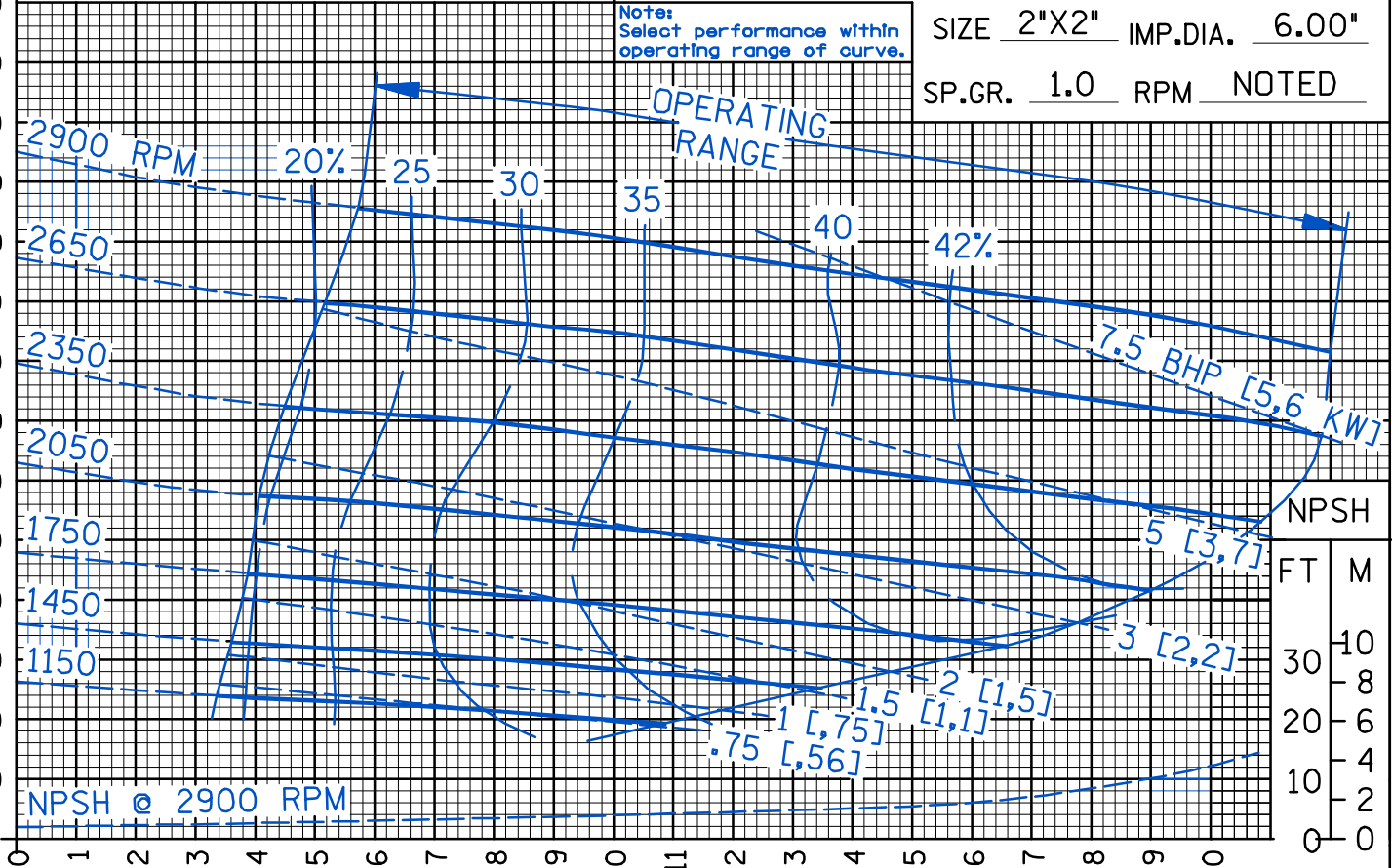
Figure NPSH required prior to using above table. DO NOT use as available Suction Lift.

1.50" / [38,1 MM] DIA. MAX. SPHERICAL SOLIDS

PERFORMANCE CURVE

VOLUTE 38224-418 CURVE T2A-B-3
 IMPELLER 38615-093 MODEL T2A-B
 SIZE 2"X2" IMP.DIA. 6.00"
 SP.GR. 1.0 RPM NOTED

Note: Select performance within operating range of curve.



T-5-02

CDS

Curve Data

Sec. 55

PAGE 988.3
MARCH 2010

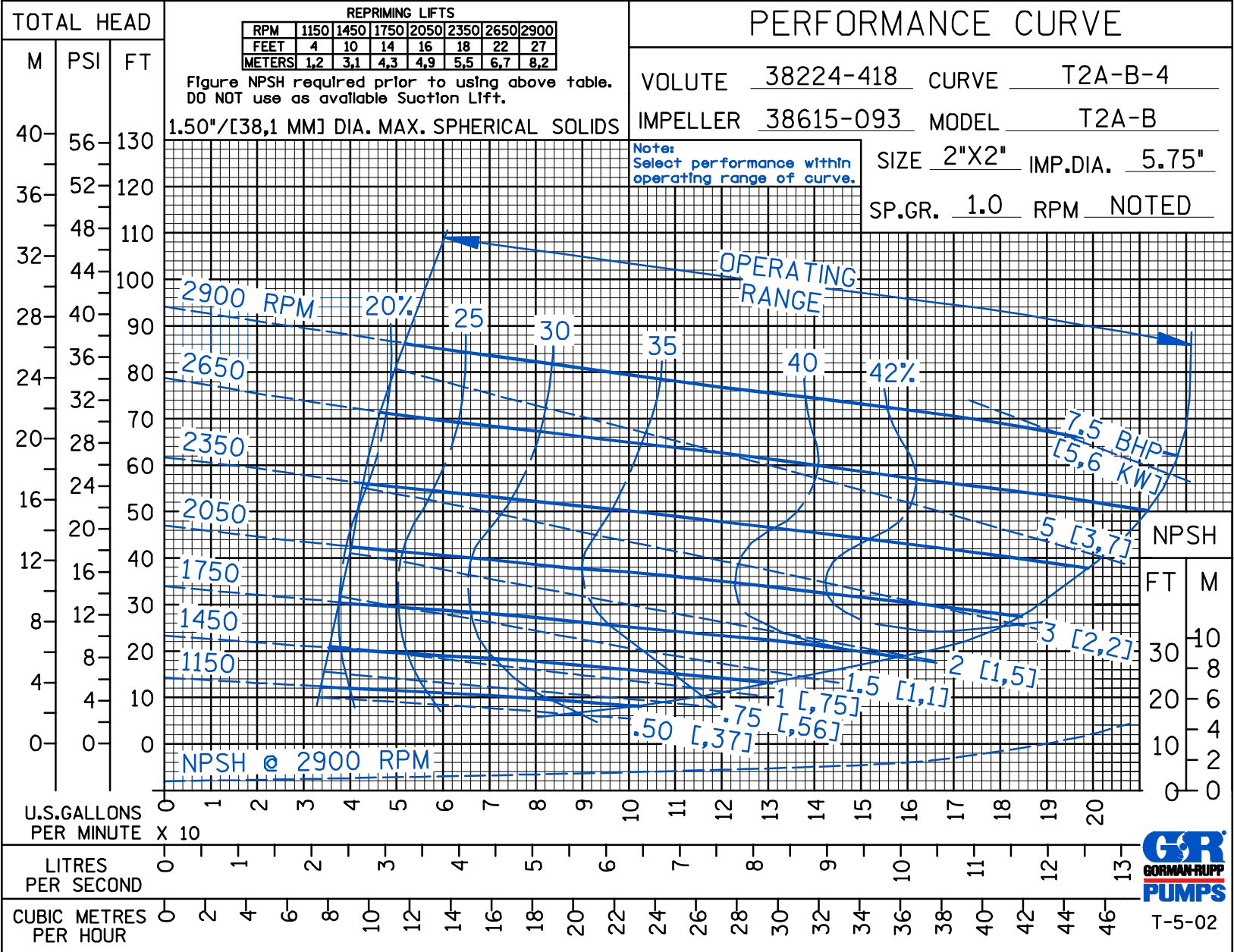


THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO
 GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA
 www.grpumps.com

© Copyright by the Gorman-Rupp Company 2010

Specifications Subject to Change Without Notice

Printed in U.S.A.



CDS

Curve Data

Sec. 55

PAGE 988.4
 MARCH 2010



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

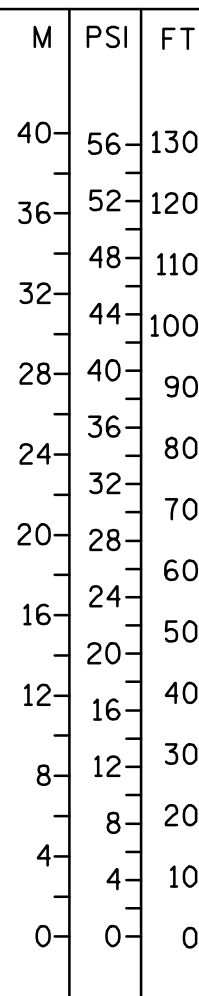
www.grpumps.com

Specifications Subject to Change Without Notice

Printed in U.S.A.

© Copyright by the Gorman-Rupp Company 2010

TOTAL HEAD



REPRIMING LIFTS							
RPM	1150	1450	1750	2050	2350	2650	2900
FEET	4	8	12	12	15	20	26
METERS	1,2	2,4	3,7	3,7	4,6	6,1	7,9

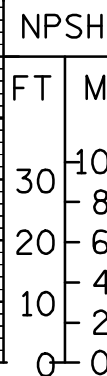
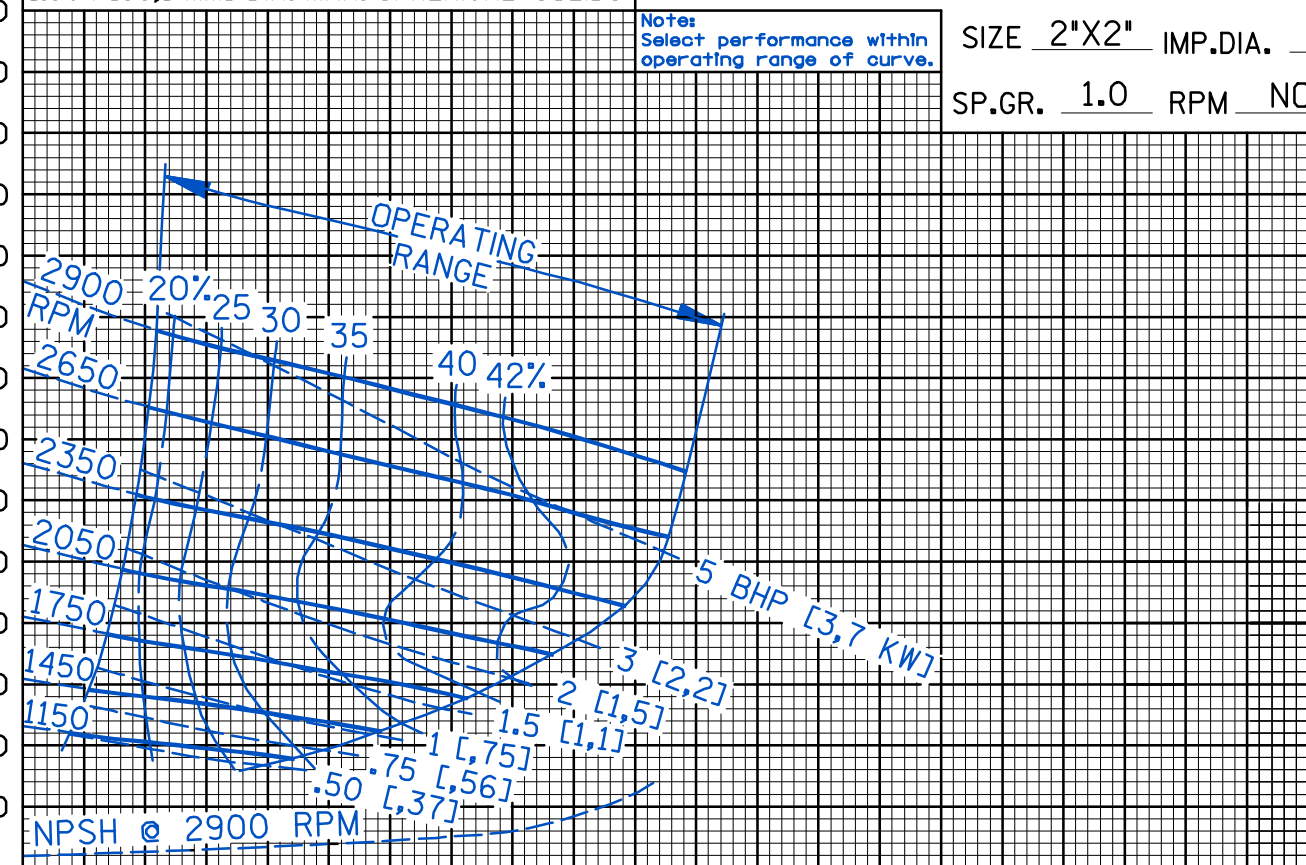
Figure NPSH required prior to using above table.
DO NOT use as available Suction Lift.

1.50"/[38,1 MM] DIA. MAX. SPHERICAL SOLIDS

PERFORMANCE CURVE

VOLUTE 38224-418 CURVE T2A-B-5
 IMPELLER 38615-093 MODEL T2A-B
 SIZE 2"X2" IMP.DIA. 5.50"
 SP.GR. 1.0 RPM NOTED

Note: Select performance within operating range of curve.



T-5-02

CDS

Curve Data

Sec. 55

PAGE 988.5
MARCH 2010

CDS

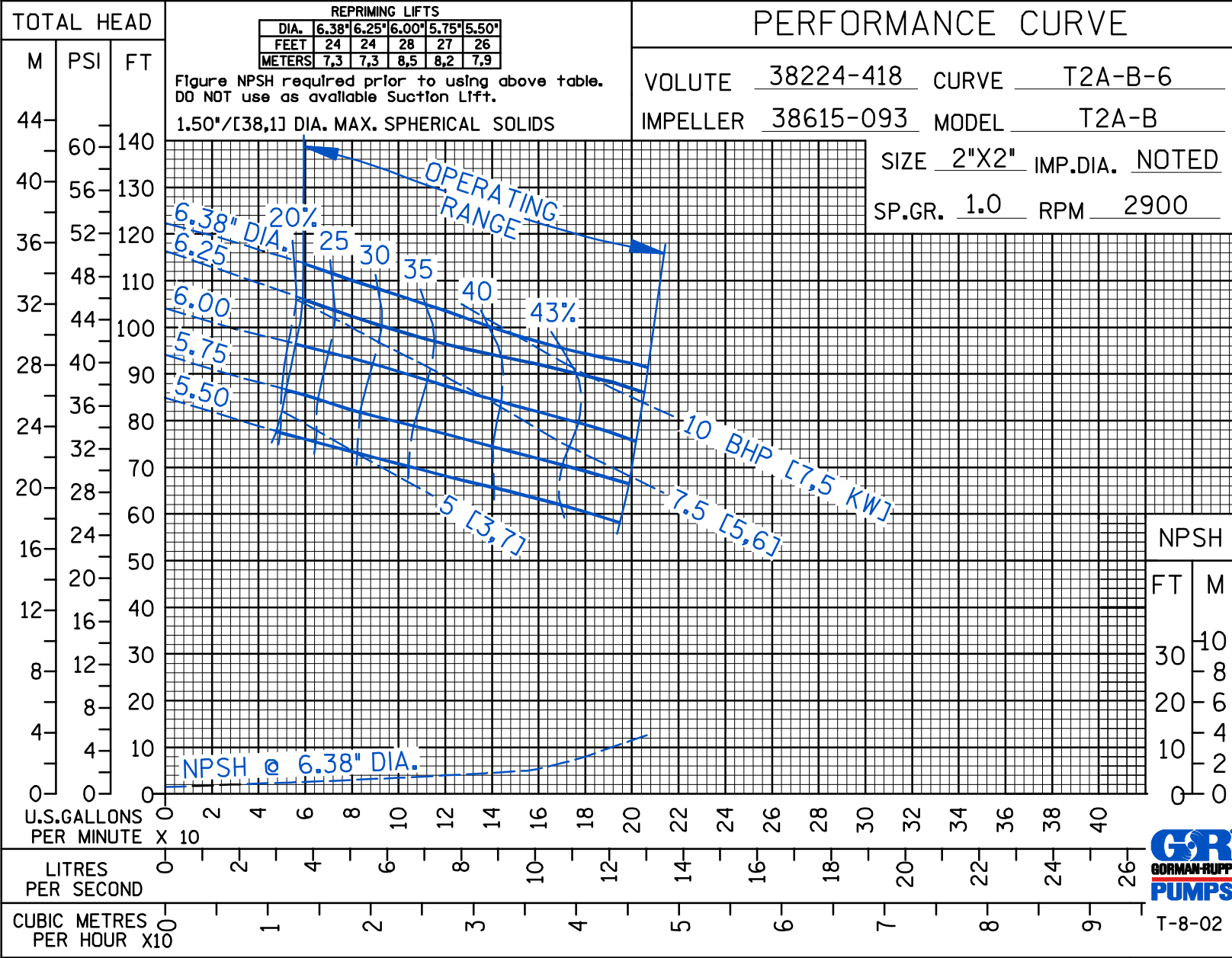
PERFORMANCE CURVE

VOLUTE 38224-418 CURVE T2A-B-6
 IMPELLER 38615-093 MODEL T2A-B
 SIZE 2"X2" IMP.DIA. NOTED
 SP.GR. 1.0 RPM 2900

REPRIMING LIFTS					
DIA.	6.38"	6.25"	6.00"	5.75"	5.50"
FEET	24	24	28	27	26
METERS	7,3	7,3	8,5	8,2	7,9

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

1.50"/[38,1] DIA. MAX. SPHERICAL SOLIDS



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO
 GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA
 www.grpumps.com

Specifications Subject to Change Without Notice

Printed in U.S.A.



T-8-02



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

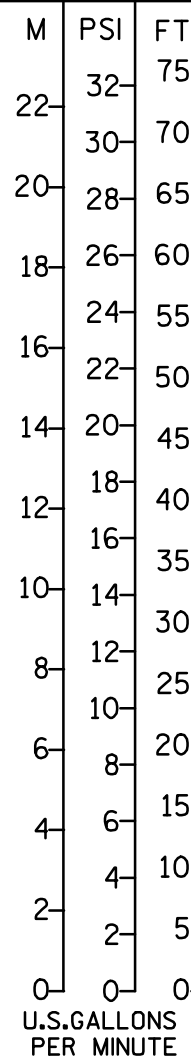
www.grpumps.com

Specifications Subject to Change Without Notice

Printed in U.S.A.

© Copyright by the Gorman-Rupp Company 2010

TOTAL HEAD



REPRIMING LIFTS					
DIA.	6.38"	6.25"	6.00"	5.75"	5.50"
FEET	19	16	11	10	8
METERS	5,8	4,9	3,4	3,1	2,4

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

1.50"/[38,1] DIA. MAX. SPHERICAL SOLIDS

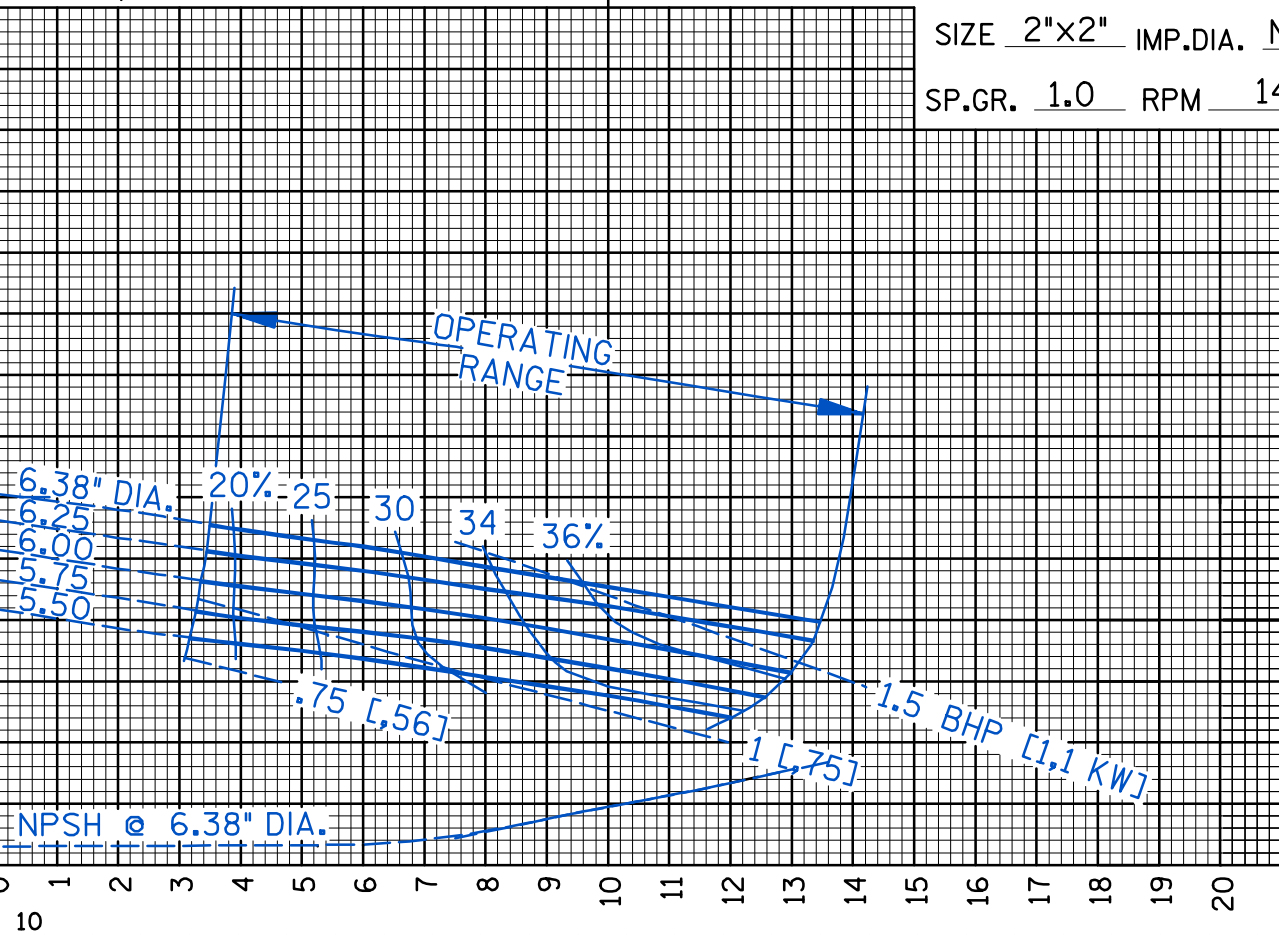
PERFORMANCE CURVE

VOLUTE 38224-418 CURVE T2A-B-7

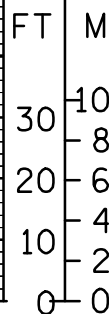
IMPELLER 38615-093 MODEL T2A-B

SIZE 2"x2" IMP.DIA. NOTED

SP.GR. 1.0 RPM 1450



NPSH



T-8-02

CDS

Curve Data

Sec. 55

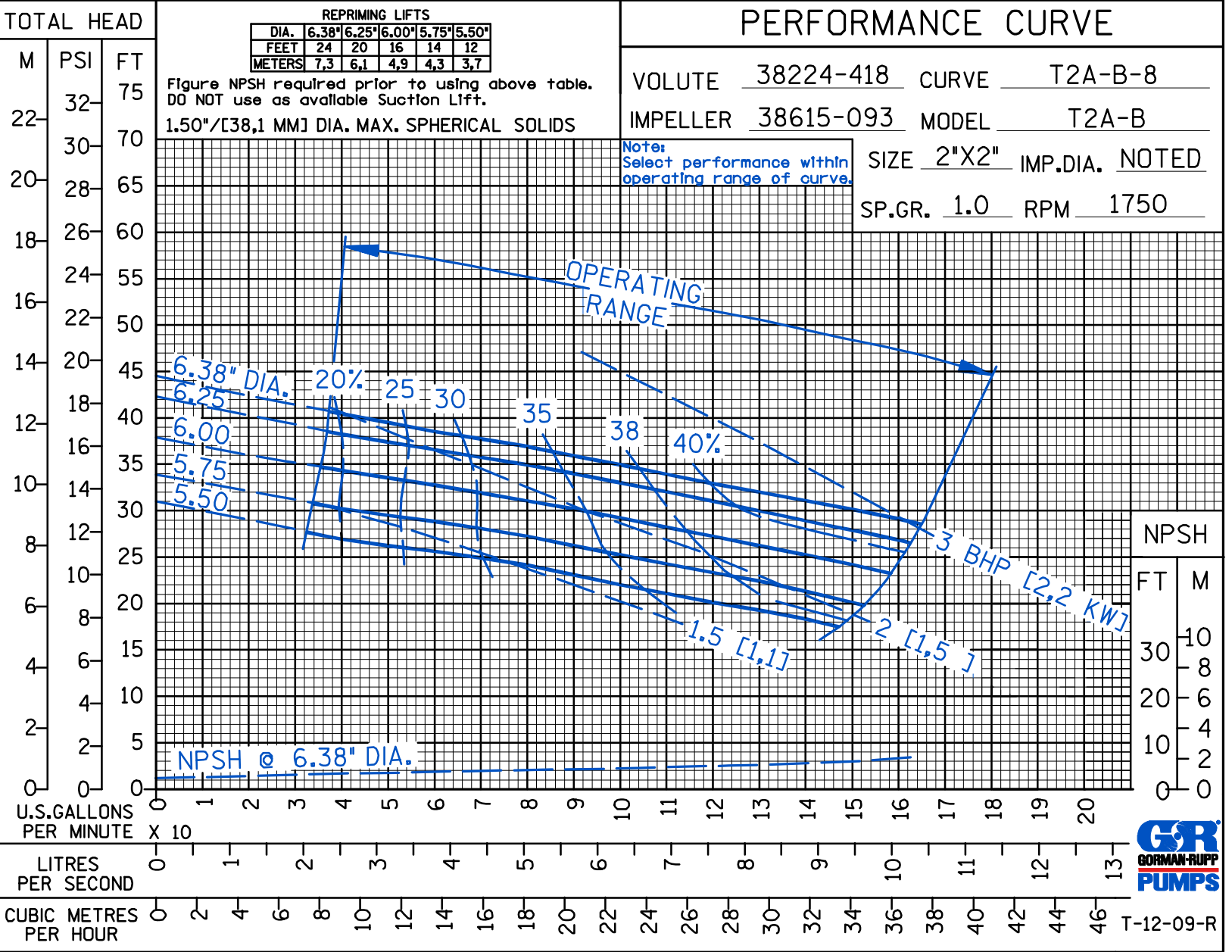
PAGE 988.7
MARCH 2010



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO
 GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA
 www.grpumps.com

© Copyright by the Gorman-Rupp Company 2010

Printed in U.S.A.



CDS

Curve Data

Sec. 55

PAGE 988.8
 MARCH 2010

CDS

PERFORMANCE CURVE

VOLUTE 38224-418 CURVE T2A-B-9

IMPELLER 38615-093 MODEL T2A-B

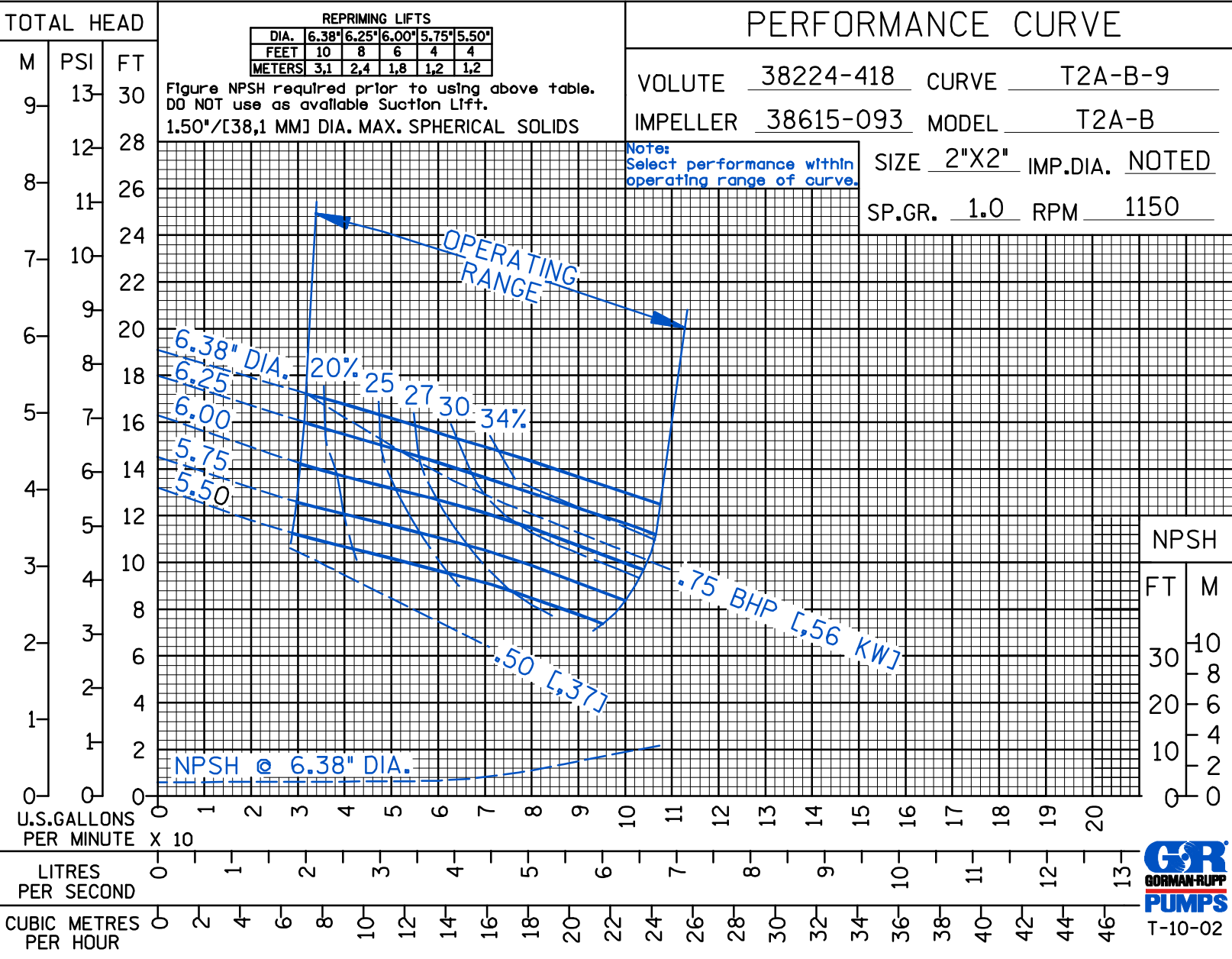
SIZE 2"X2" IMP.DIA. NOTED

SP.GR. 1.0 RPM 1150

Note:
Select performance within
operating range of curve.

REPRIMING LIFTS					
DIA.	6.38"	6.25"	6.00"	5.75"	5.50"
FEET	10	8	6	4	4
METERS	3,1	2,4	1,8	1,2	1,2

Figure NPSH required prior to using above table.
DO NOT use as available Suction Lift.
1.50"/[38,1 MM] DIA. MAX. SPHERICAL SOLIDS



NPSH
FT M
30 10
20 8
10 6
0 4
0 2
0 0



T-10-02



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

www.grpumps.com

Specifications Subject to Change Without Notice

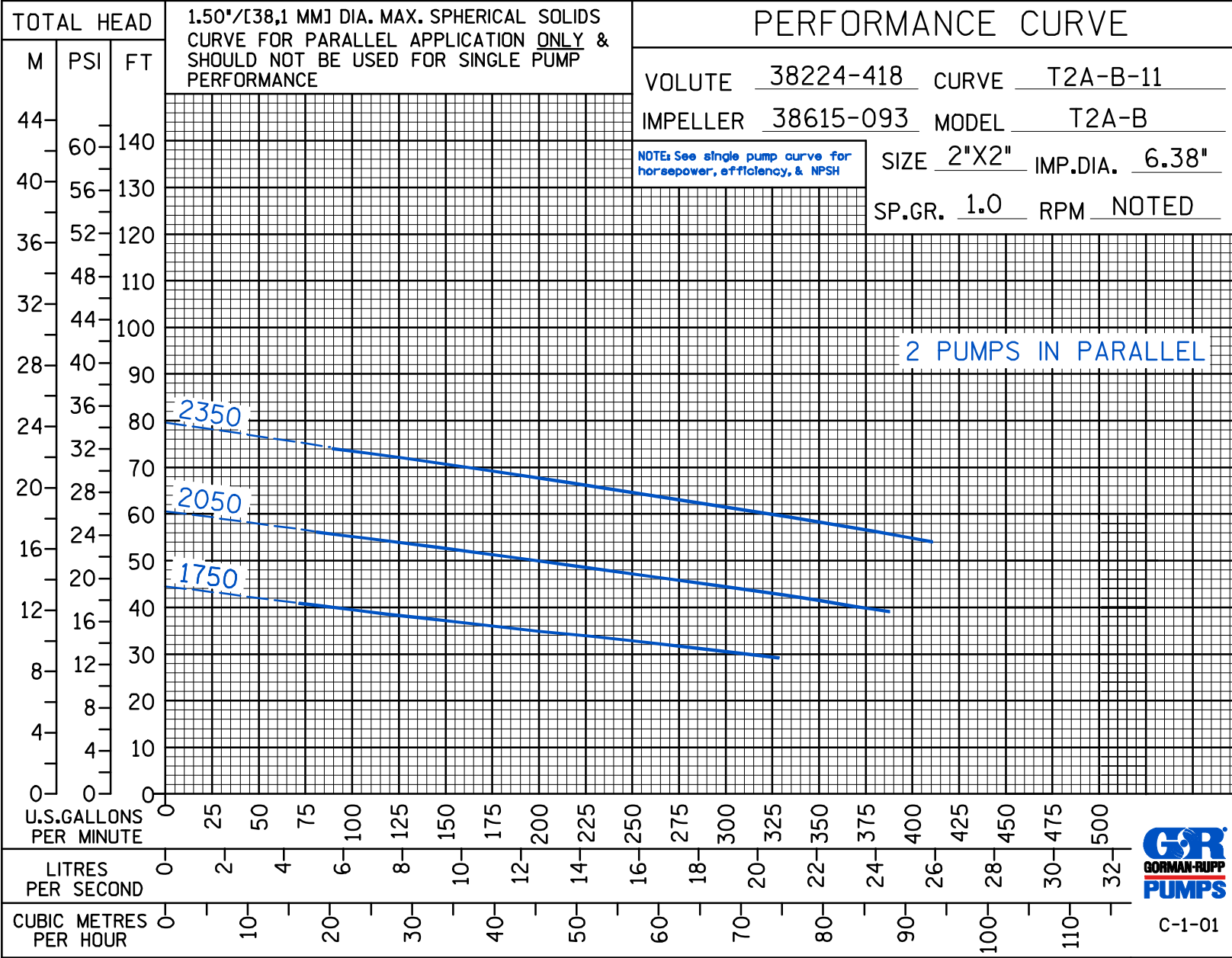
Printed in U.S.A.

PERFORMANCE CURVE

VOLUTE 38224-418 CURVE T2A-B-11
 IMPELLER 38615-093 MODEL T2A-B
 SIZE 2"X2" IMP.DIA. 6.38"
 SP.GR. 1.0 RPM NOTED

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

2 PUMPS IN PARALLEL



1.50"/[38,1 MM] DIA. MAX. SPHERICAL SOLIDS CURVE FOR PARALLEL APPLICATION ONLY & SHOULD NOT BE USED FOR SINGLE PUMP PERFORMANCE



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO
 GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

www.grpumps.com
 Specifications Subject to Change Without Notice



C-1-01

PERFORMANCE CURVE

VOLUTE 38224-418 CURVE T2A-B-12

IMPELLER 38615-093 MODEL T2A-B

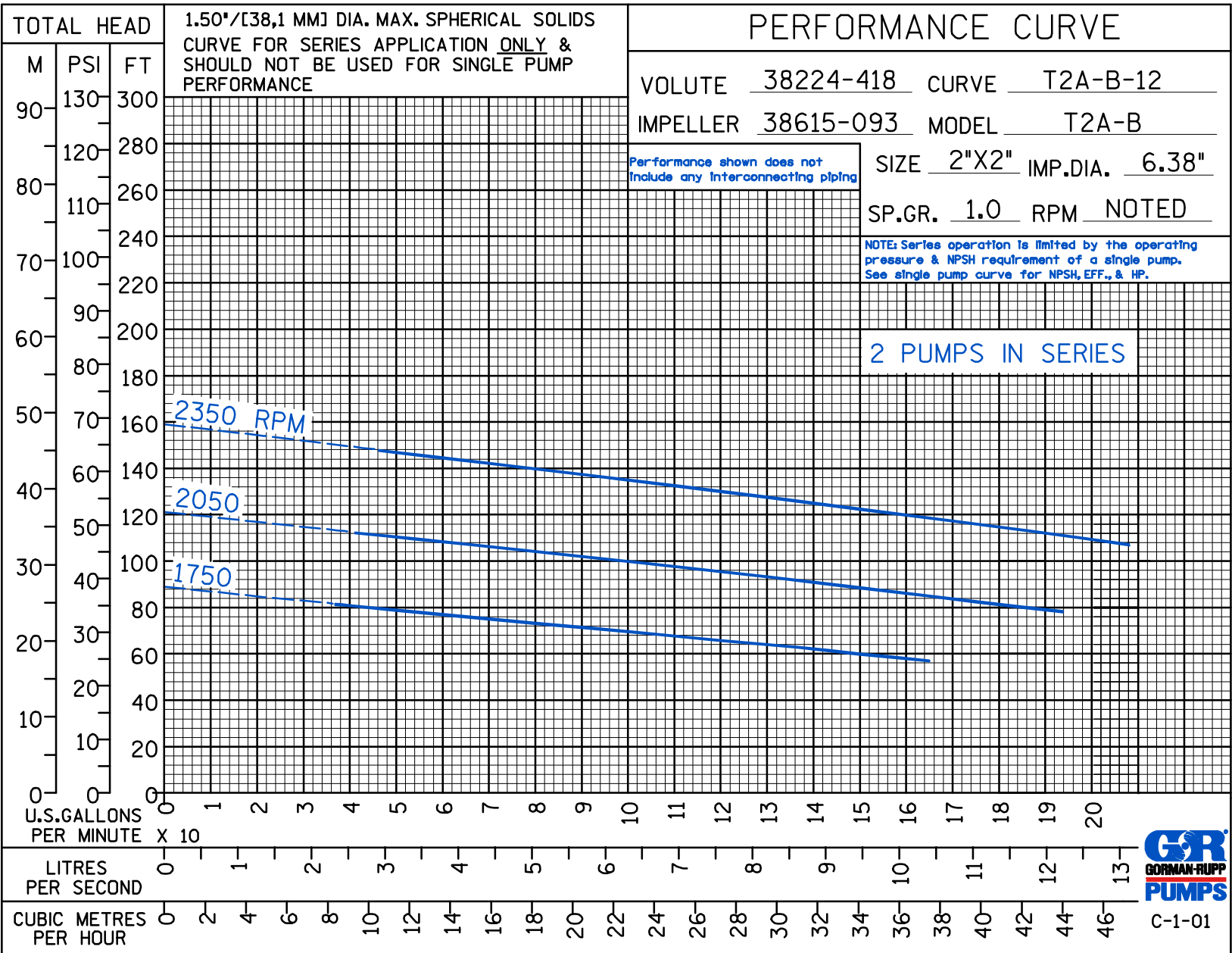
SIZE 2"X2" IMP.DIA. 6.38"

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.

2 PUMPS IN SERIES



1.50"/[38,1 MM] DIA. MAX. SPHERICAL SOLIDS
CURVE FOR SERIES APPLICATION ONLY &
SHOULD NOT BE USED FOR SINGLE PUMP
PERFORMANCE



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

www.grpumps.com

Specifications Subject to Change Without Notice

Printed in U.S.A.



C-1-01