



Self Priming Centrifugal Pump

Model 14A59-B

Size 4" x 4"

PUMP SPECIFICATIONS

Size: 4" x 4" (102 mm x 102 mm) NPT - Female.

Casing: Stainless Steel Alloy 20.

Maximum Operating Pressure 81 psi (558 kPa).*

Semi-Open Type, Two Vane Impeller: Stainless Steel Alloy 20.

Handles 1 13/16" (46 mm) Diameter Spherical Solids.

Impeller Shaft: Stainless Steel Alloy 20.

Shaft Sleeve: Stainless Steel Alloy 20.

Replaceable Wear Plate: Stainless Steel Alloy 20.

Removable Cover Plate: Stainless Steel Alloy 20; 25 lbs. (11 kg).

Pedestal: Gray Iron 30.

Seal Plate: Stainless Steel Alloy 20.

Flap Valve: Fluorocarbon Elastomers (DuPont Viton® or Equivalent) and Stainless Steel Alloy 20.

Radial Bearing: Open Single Row Ball.

Thrust Bearing: Open Double Row Ball.

Bearing Lubrication: SAE 30 Non-Detergent Oil.

Flanges: Stainless Steel Alloy 20.

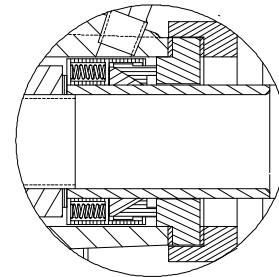
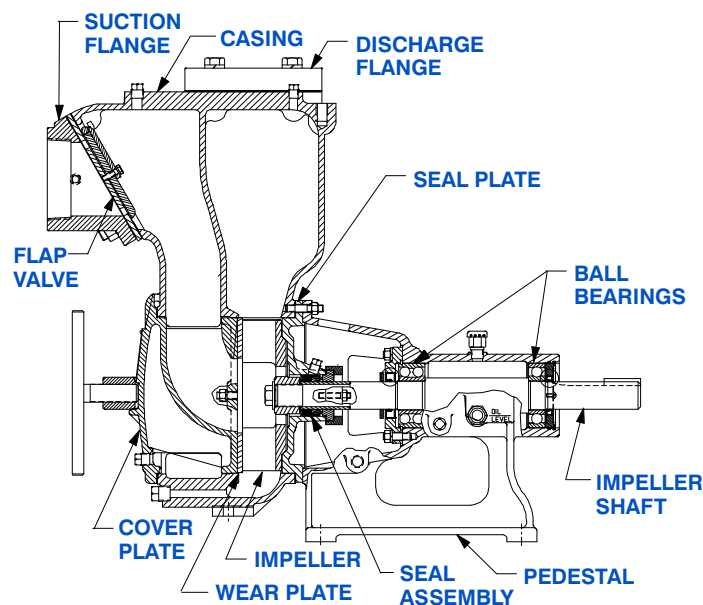
Gaskets: PTFE and Fluorocarbon (DuPont Teflon® and Viton® or Equivalents).

Internal Wetted Hardware: Stainless Steel Alloy 20.

External Hardware: Stainless Steel No. 316.

Optional Equipment: Consult Factory.

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



SEAL DETAIL

Type 9, Mechanical, Self-Lubricated. Silicon Carbide Rotating and Stationary Faces. PTFE Elastomers (DuPont Teflon® or Equivalent). Stainless Steel Alloy 20 Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).*



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Specifications Subject to Change Without Notice

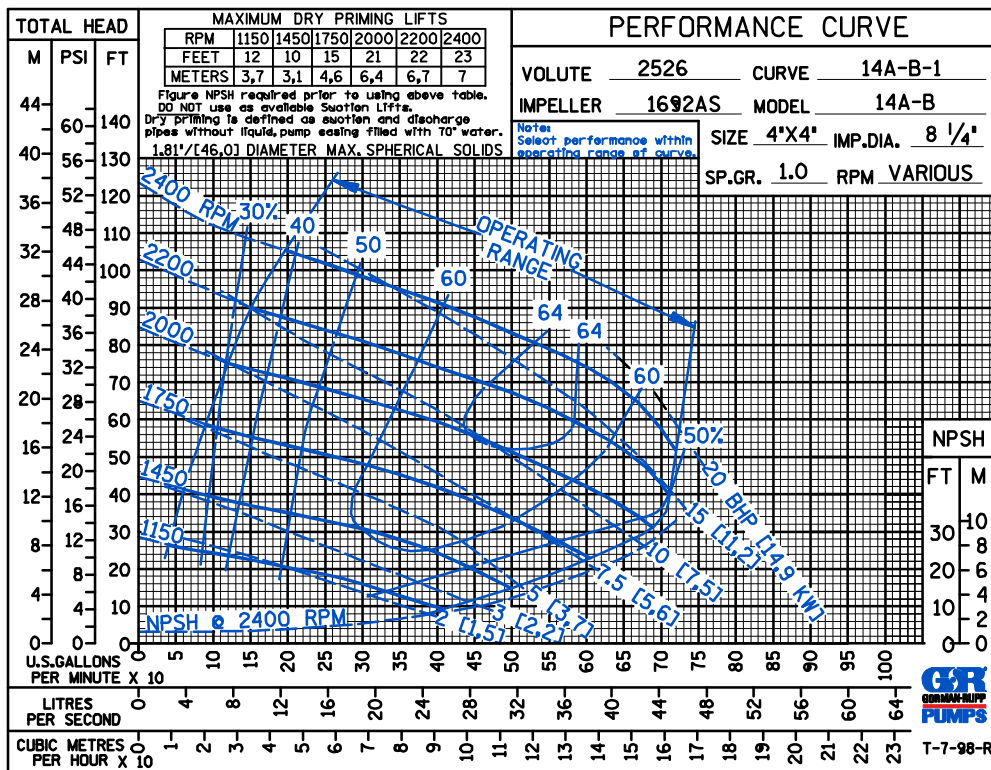
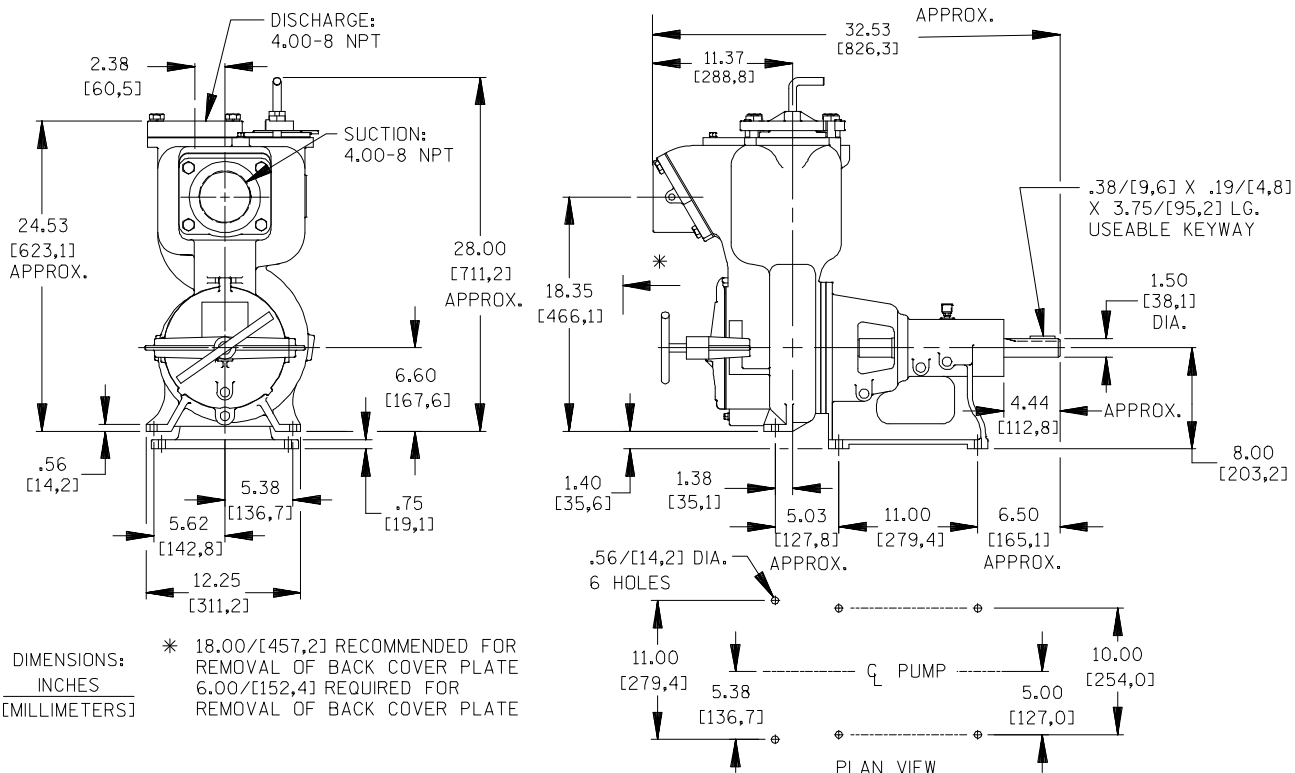
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Specification Data

SECTION 55, PAGE 606

APPROXIMATE
DIMENSIONS and WEIGHTS

NET WEIGHT: 321 LBS. (145,6 KG.)
SHIPPING WEIGHT: 336 LBS. (152,4 KG.)
EXPORT CRATE SIZE: 18 CU. FT. (0,51 CU. M.)



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PERFORMANCE CURVE

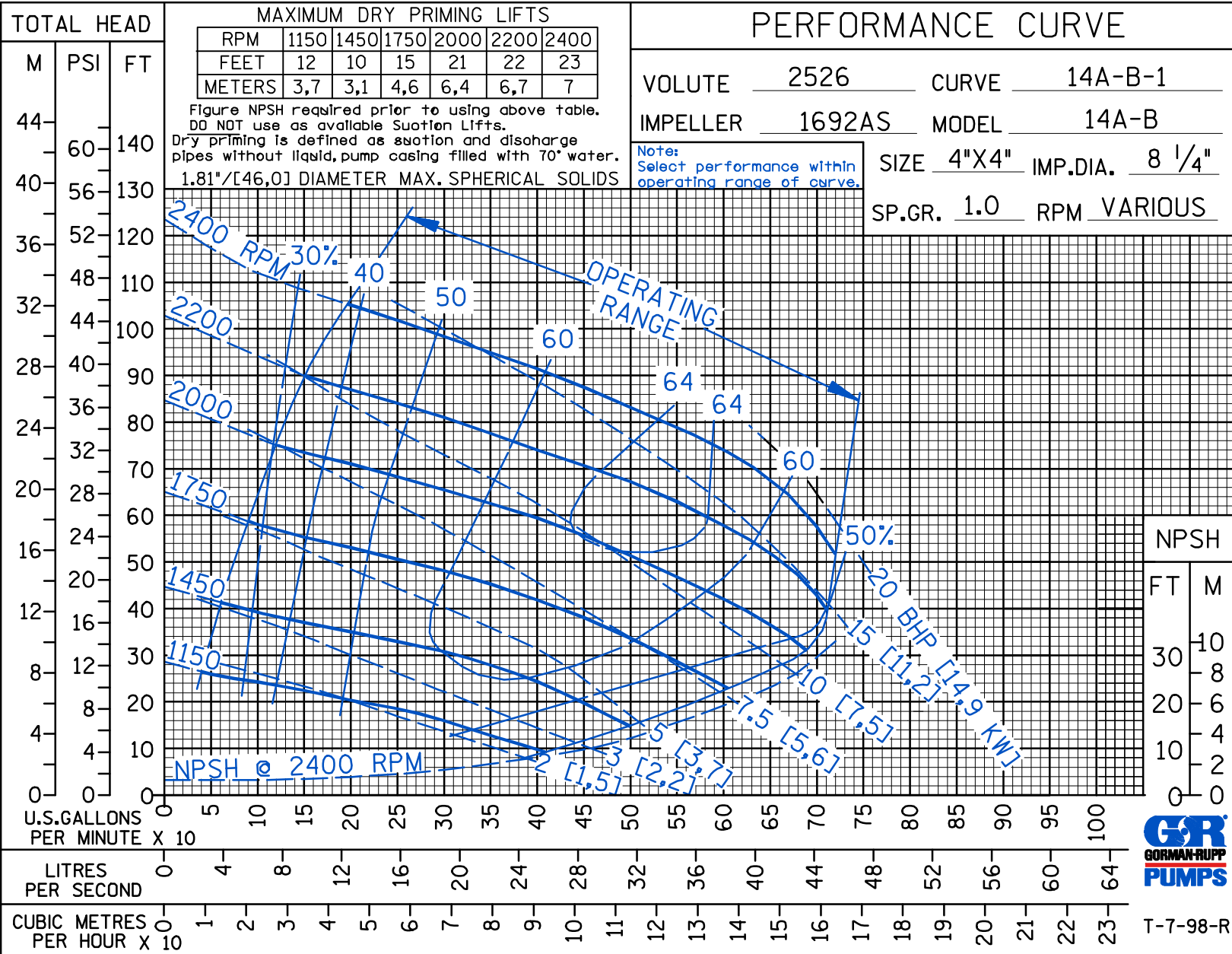
VOLUTE 2526 CURVE 14A-B-1
 IMPELLER 1692AS MODEL 14A-B
 SIZE 4"X4" IMP.DIA. 8 1/4"
 SP.GR. 1.0 RPM VARIOUS

Note:
 Select performance within
 operating range of curve.

MAXIMUM DRY PRIMING LIFTS

RPM	1150	1450	1750	2000	2200	2400
FEET	12	10	15	21	22	23
METERS	3,7	3,1	4,6	6,4	6,7	7

Figure NPSH required prior to using above table.
 DO NOT use as available Suction Lifts.
 Dry priming is defined as suction and discharge
 pipes without liquid, pump casing filled with 70° water.
 1.81"/[46,0] DIAMETER MAX. SPHERICAL SOLIDS



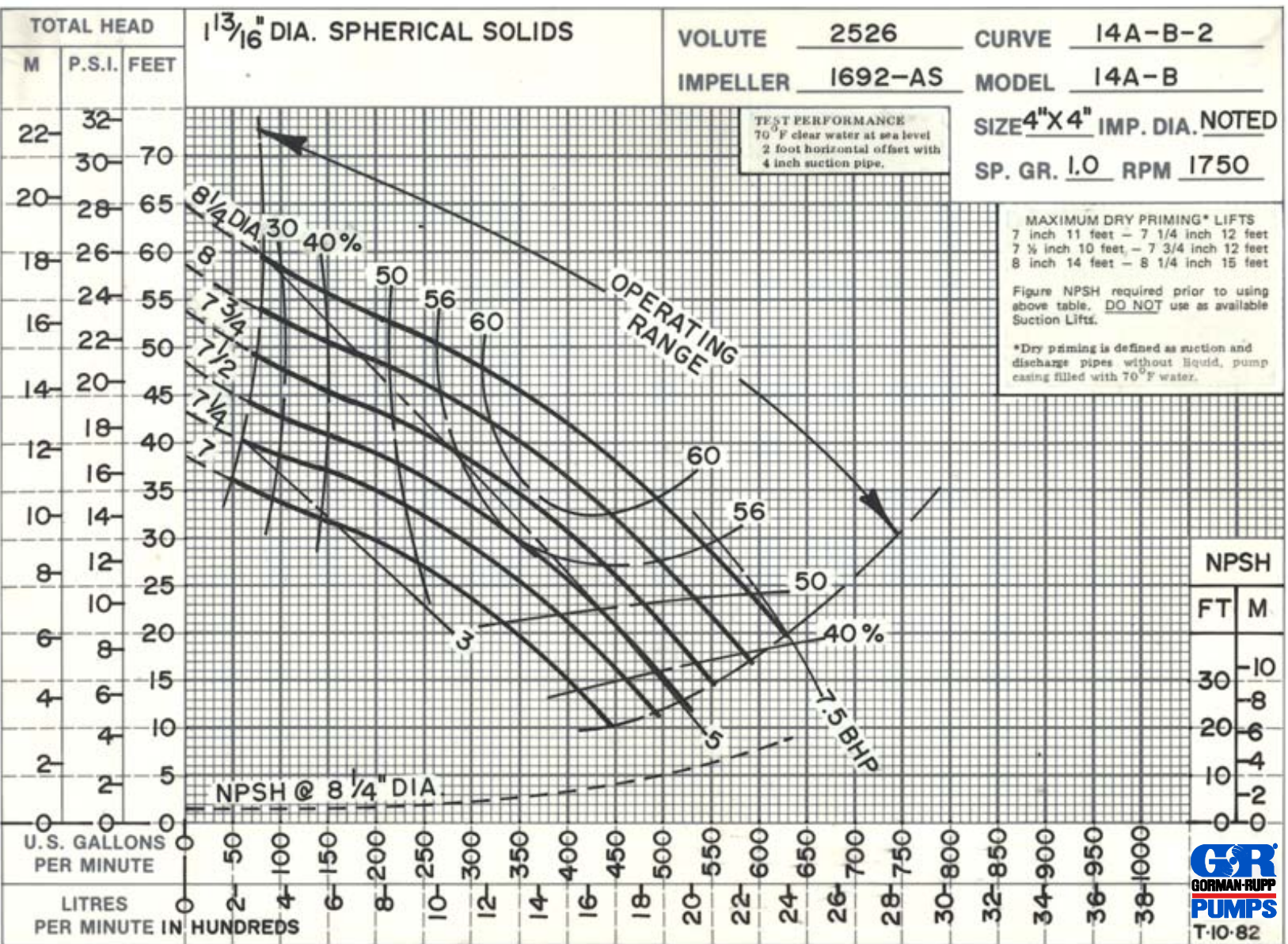
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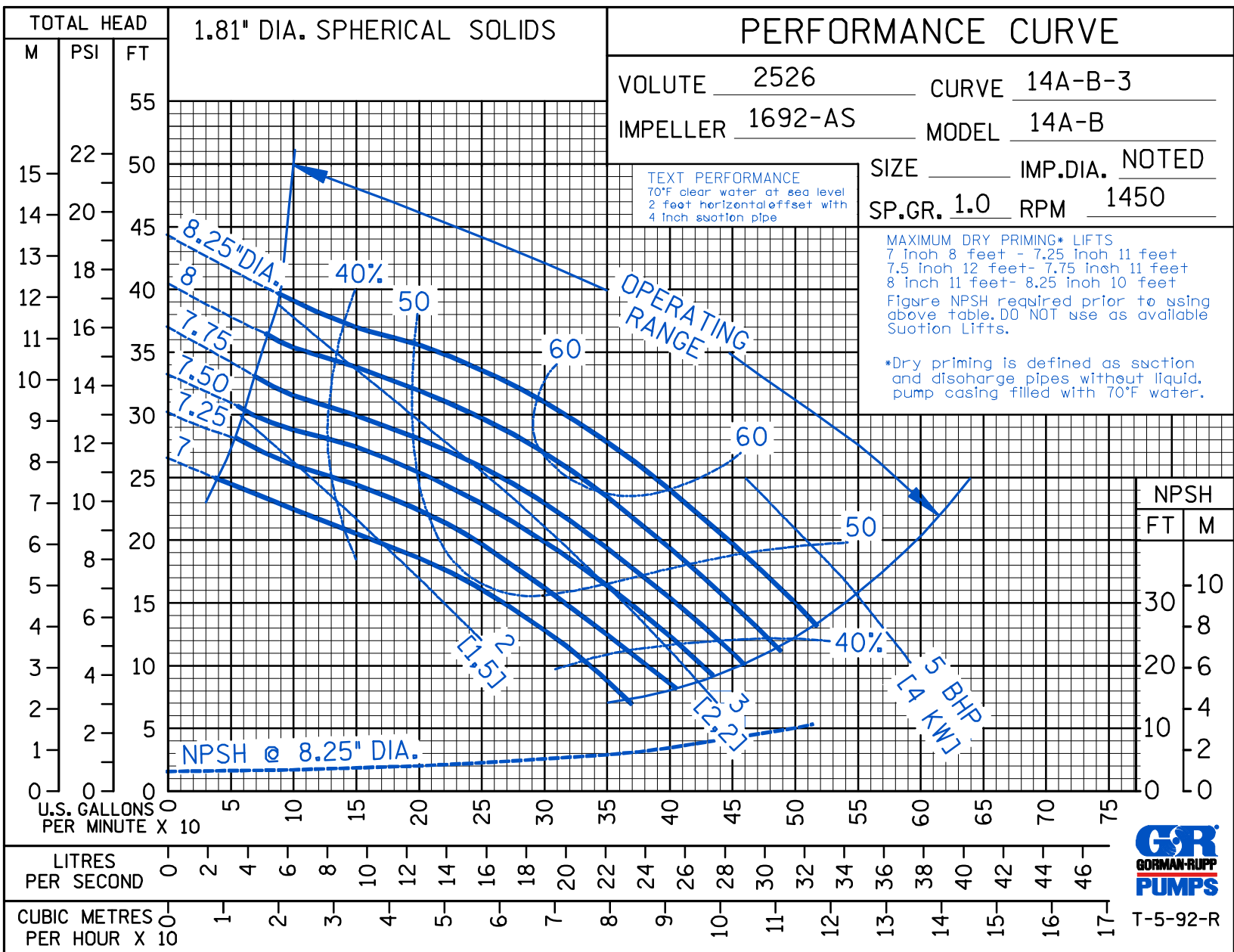
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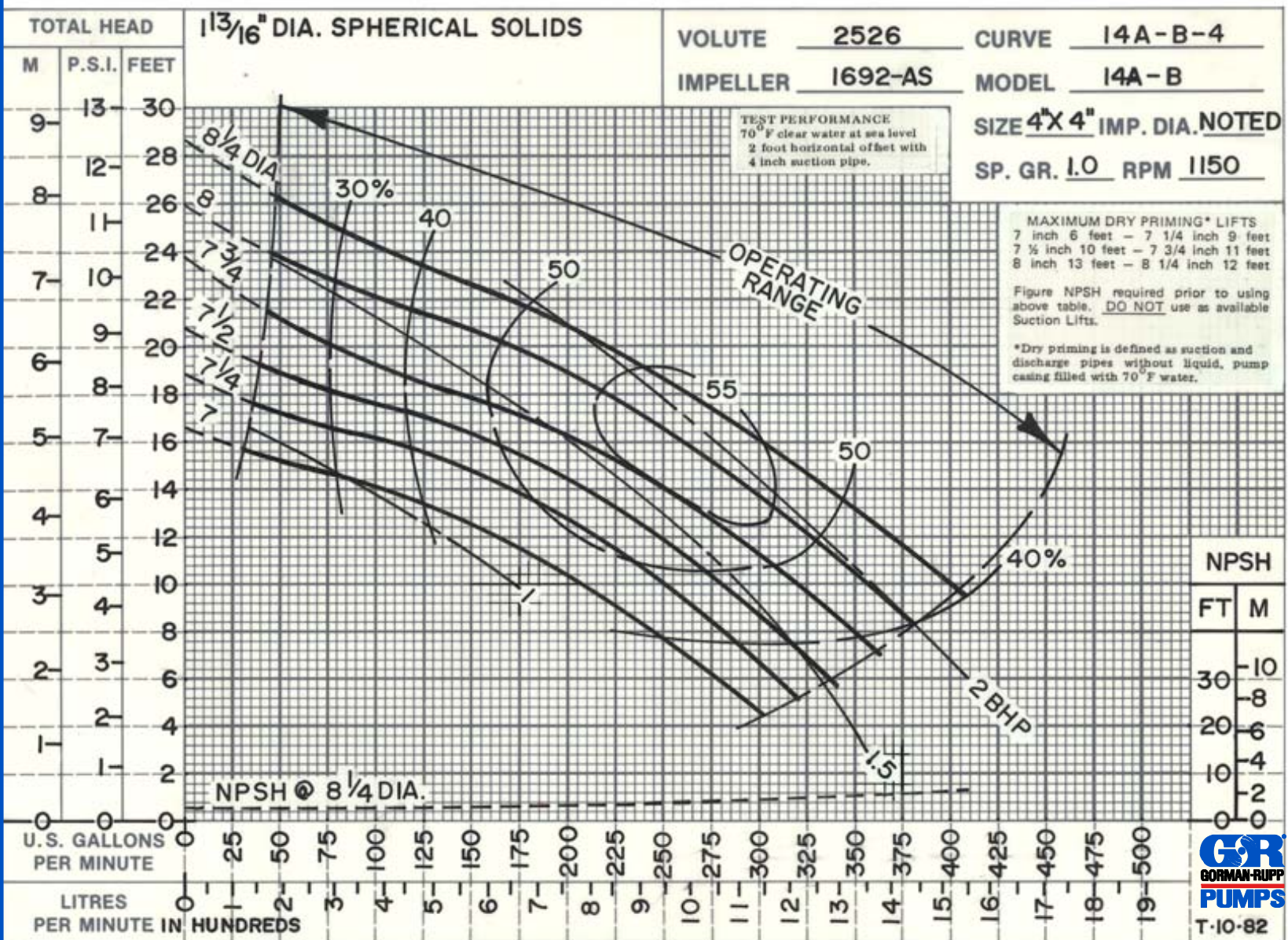
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