

# Standard Centrifugal Pump



## Model VGH1 1/2D31-B

### Size 2 1/2" x 1 1/2"

#### PUMP SPECIFICATIONS

**Size:** 2 1/2" x 1 1/2" (64 mm x 38 mm) Raised Face Flanges.

**Casing:** Ductile Iron.

Maximum Casing Pressure 306 psi (2110 kPa).\*

Maximum Operating Pressure 250 psi (1723 kPa) at Temperatures up to 100 F (37 C) Based on System Component Limitations.\*

**Enclosed Type, Six Vane Impeller:** Gray Iron 40.

Handles 1/4" (6,5 mm) Diameter Spherical Solids.

**Impeller Shaft:** Steel 1045.

**Two Replaceable Wear Rings:** Gray Iron 25.

**Seal Plate:** Ductile Iron.

**Bypass Flush Piping.**

**Bearing Housing:** Gray Iron 25.

**Radial Bearing:** Open Cylindrical Roller.

**Thrust Bearing:** Open Double Row Ball.

**Bearing Lubrication:** SAE 30 Non-Detergent Oil.

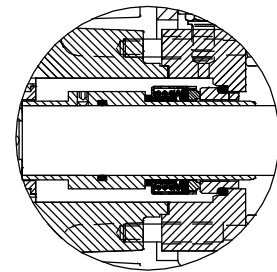
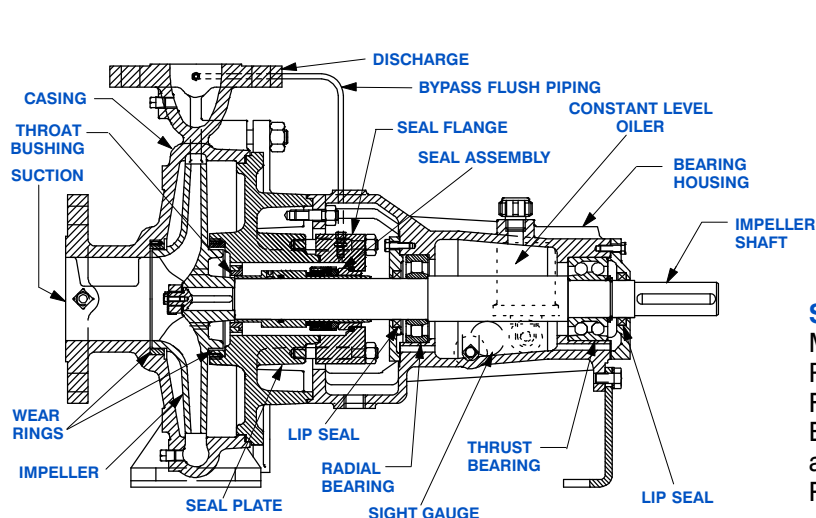
**Gaskets:** Nitrile Rubber.

**Hardware:** Standard Plated Steel.

**Bearing Housing Level Oiler.**

**Optional Equipment:** Strainer. NPT Suction and Discharge Flanges. Stainless Steel Impeller. Consult Factory for Optional Seals.

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



#### SEAL DETAIL

Mechanical, Self-Lubricated. Silicon Carbide Rotating and Stationary Faces. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 316 Shaft Sleeve and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).\*



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**Specification Data**

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APPROXIMATE  
DIMENSIONS and WEIGHTS

NET WEIGHT:

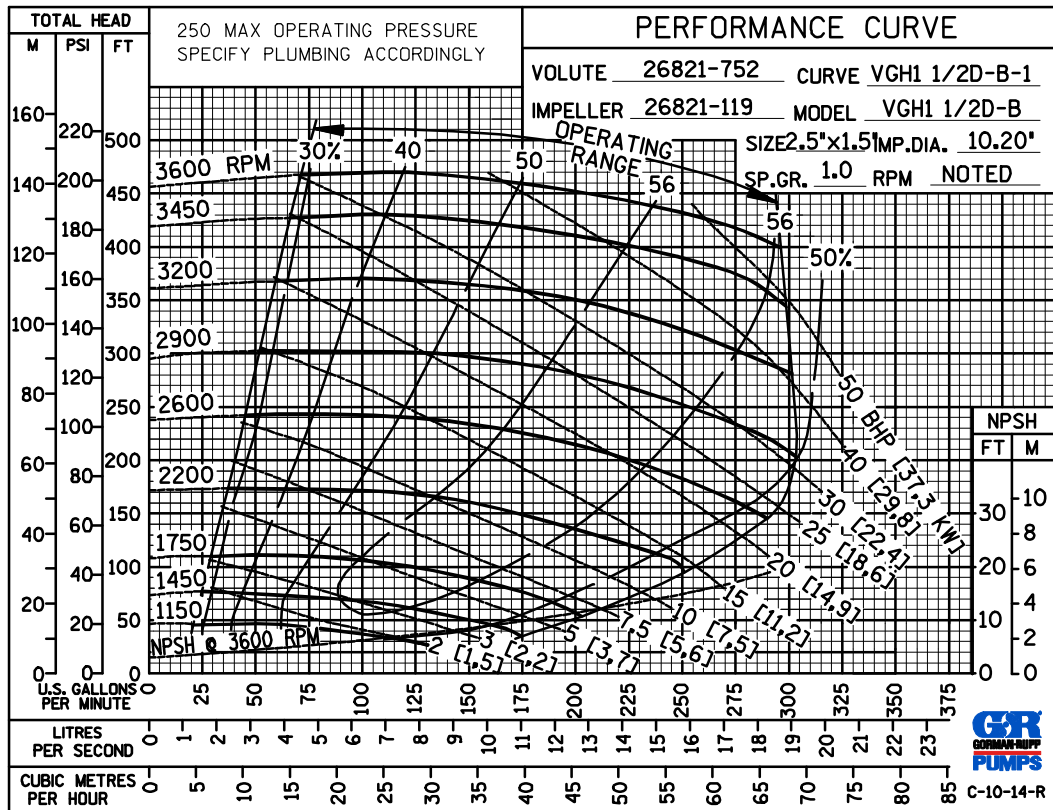
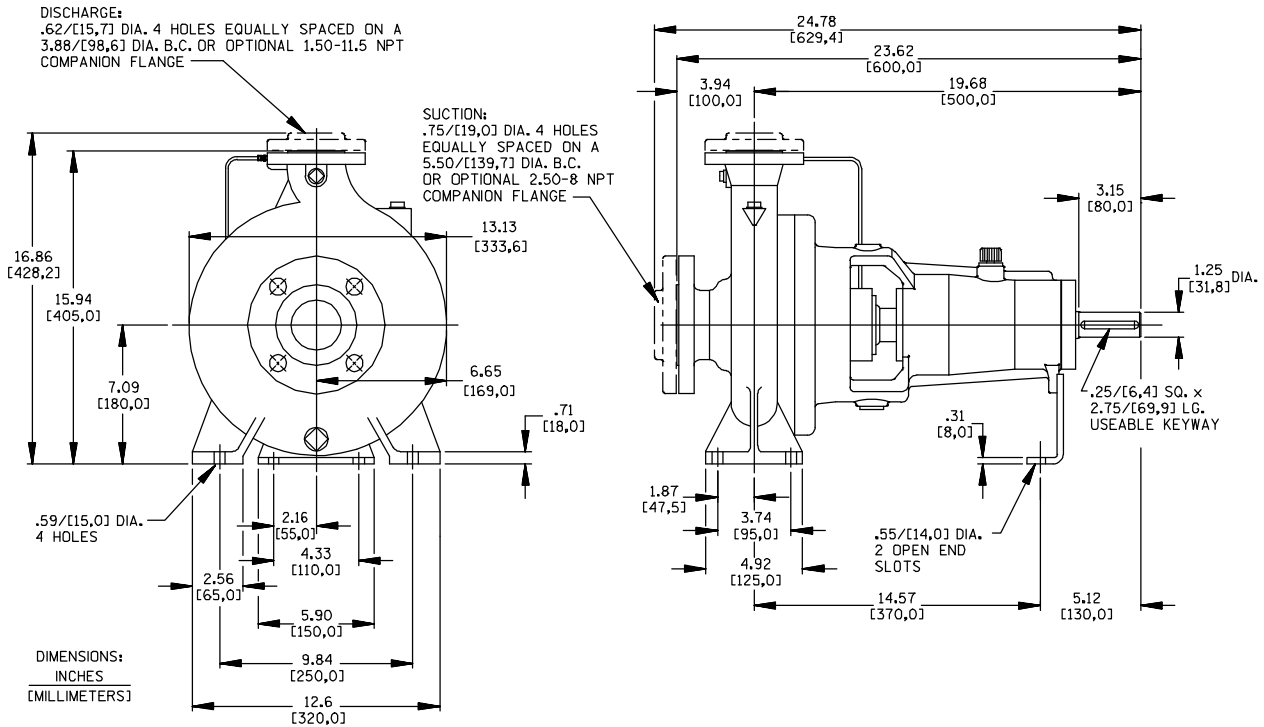
150 LBS. (68 KG.)

SHIPPING WEIGHT:

160 LBS. (73 KG.)

EXPORT CRATE SIZE:

8.5 CU. FT. (0,24 CU. M.)



60 HERTZ  
PERFORMANCE  
BASED ON  
WATER



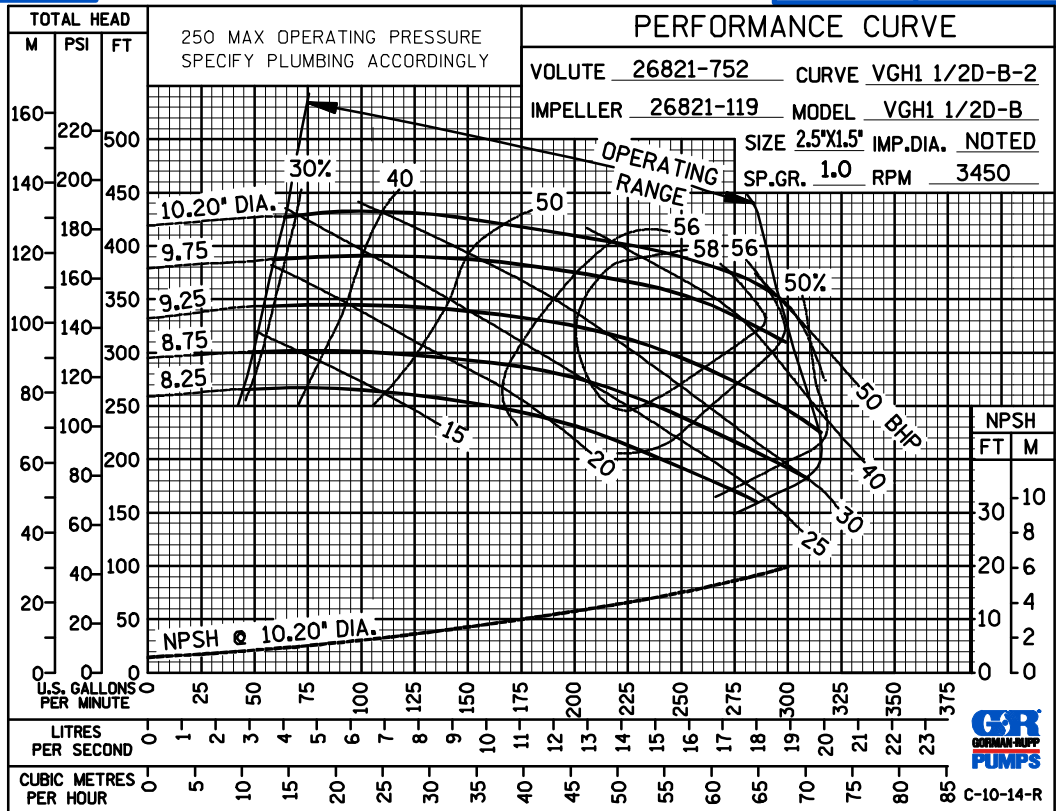
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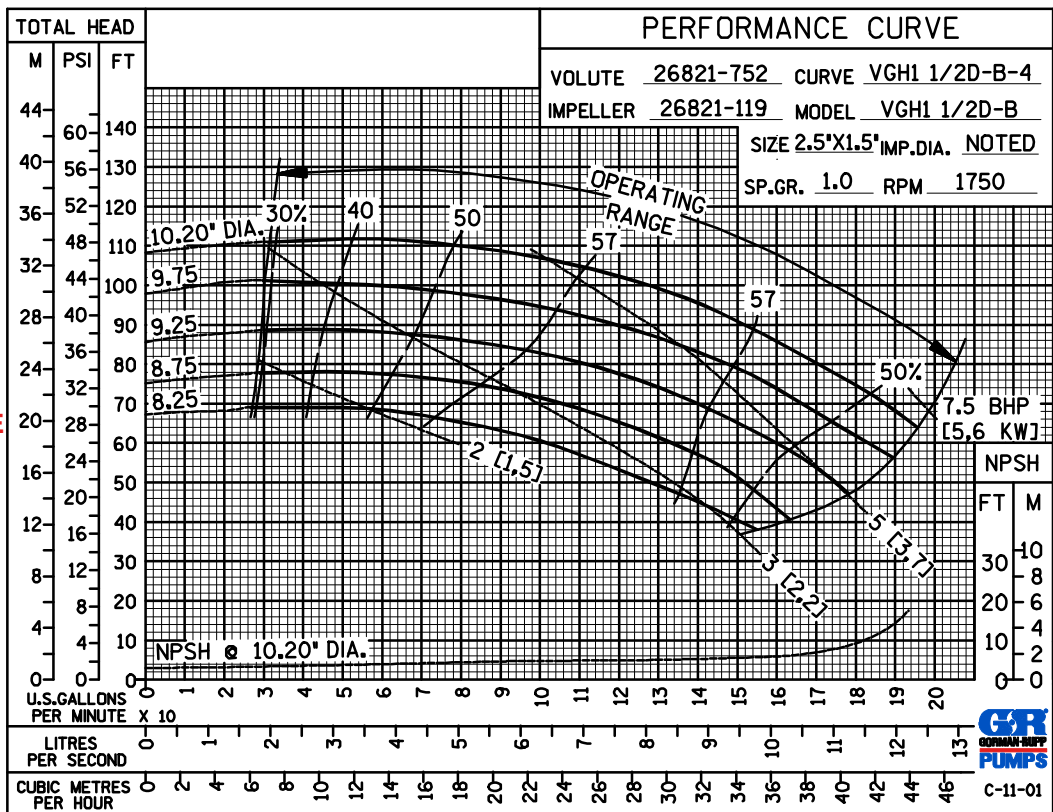
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60 HERTZ  
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WATER  
  
TRIMMED  
IMPELLER



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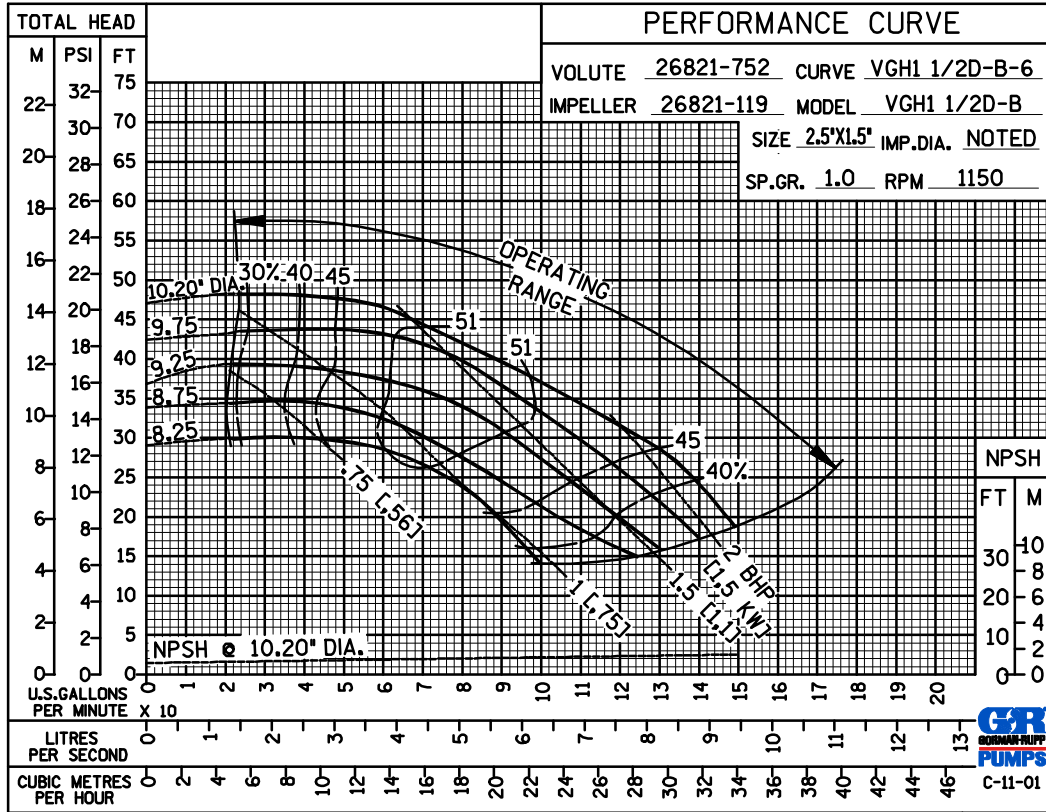
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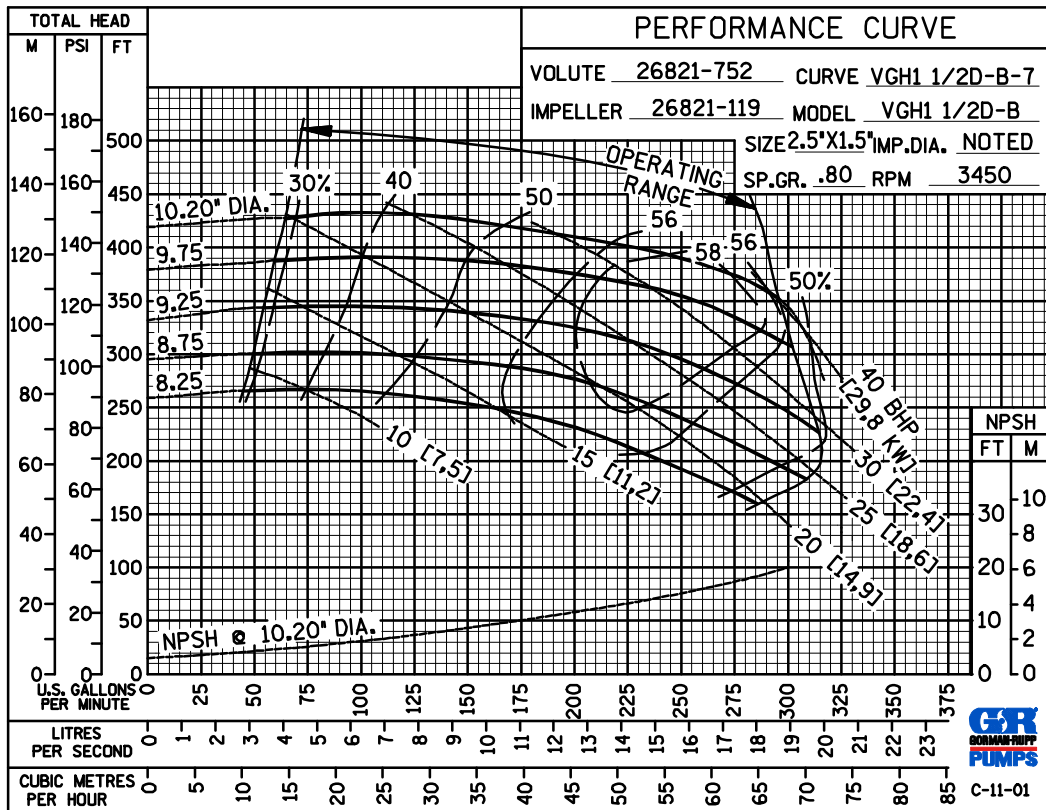
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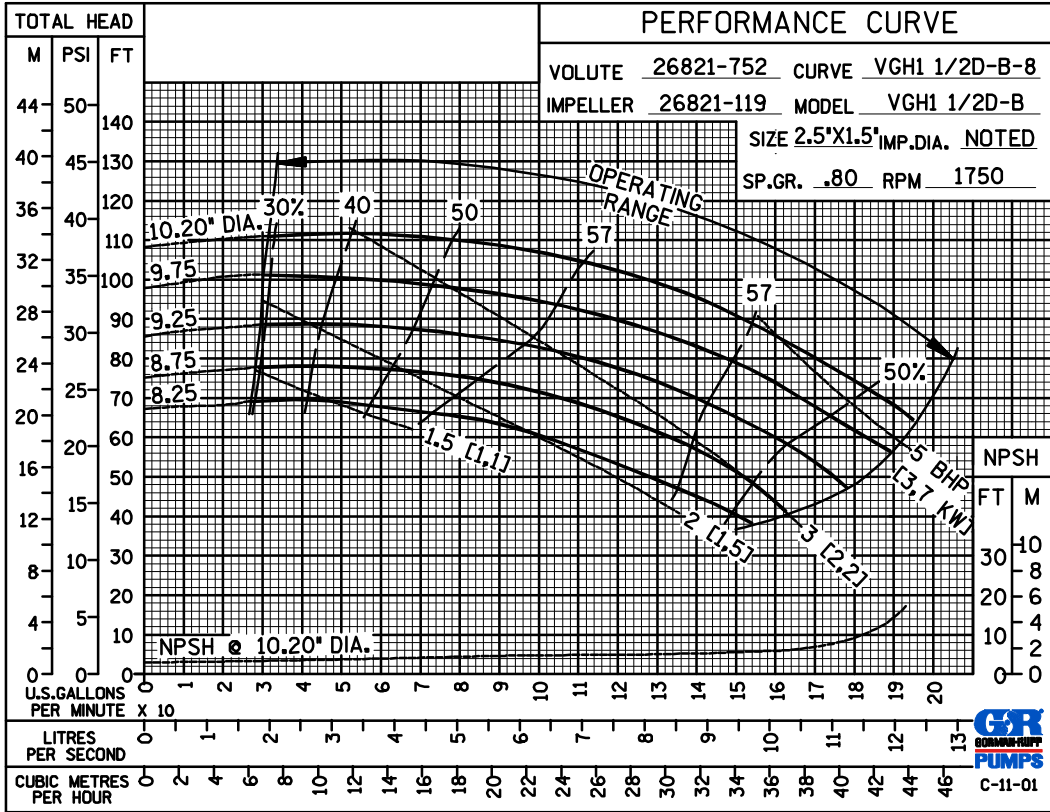
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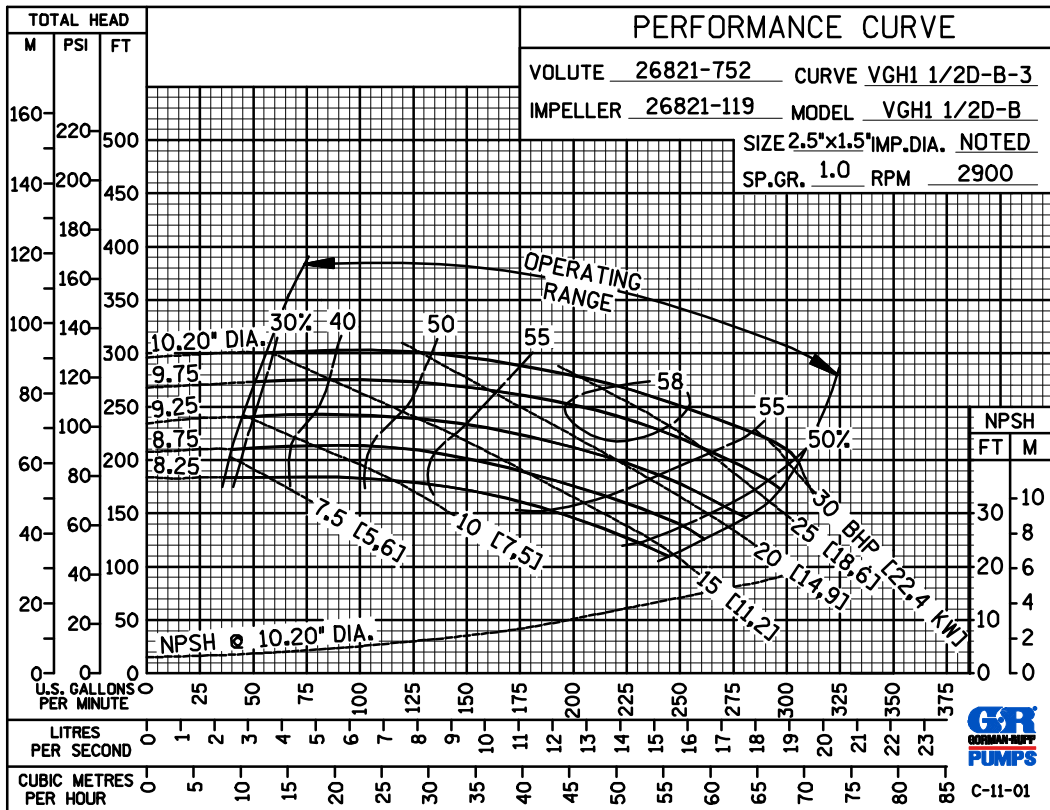
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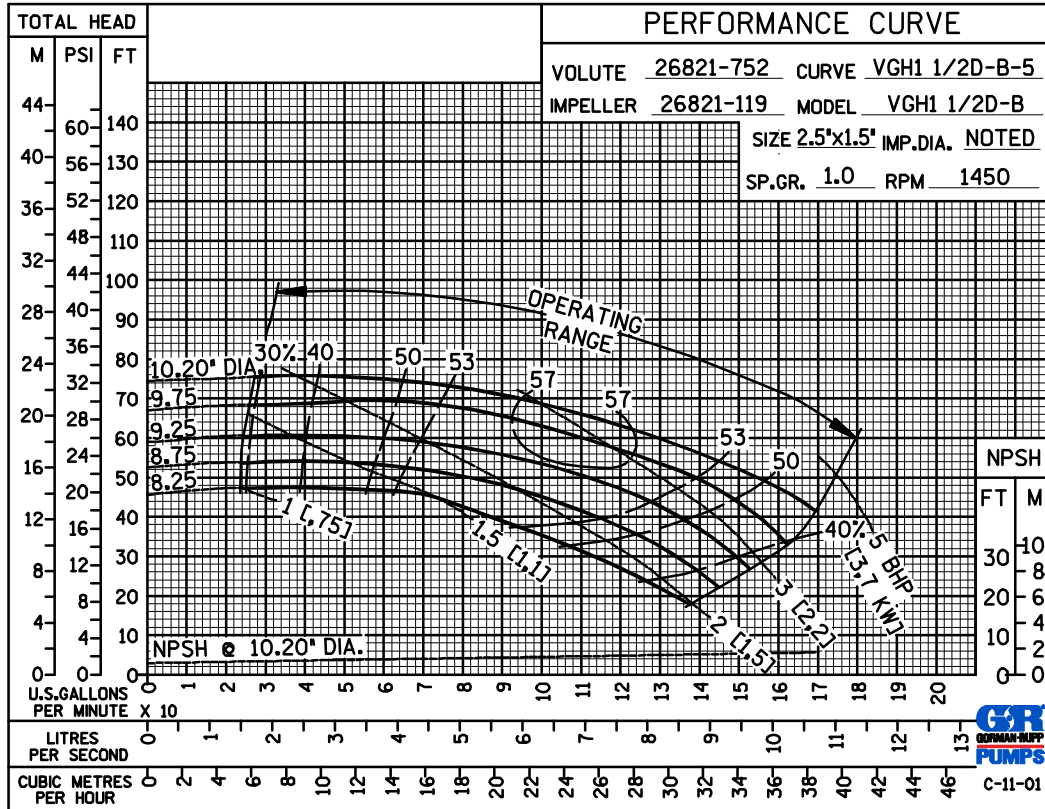
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