PAGE 151 MAY 2011

**Basic Pedestal** 

ABCE



# **Standard Centrifugal Pump**

# Model VGH1 1/2C31-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 Operating Pressure 182 psi (1255 kPa).\*

Enclosed Type, Six Vane Impeller: Gray Iron 40.

Handles 17/64" (7 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 Single Row Ball.

Thrust Bearing: Open Double Row Ball.

Bearing Lubrication: SAE 30 Non-Detergent Oil.

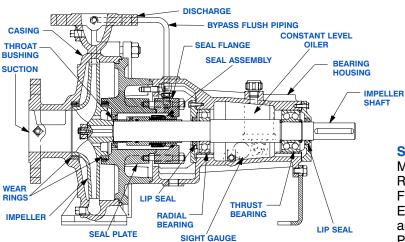
Gaskets: Nitrile Rubber.

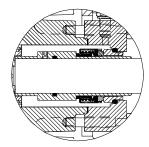
**Hardware:** Standard Plated Steel. **Bearing Housing Level Oiler.** 

Optional Equipment: Strainer. NPT Suction and Discharge Flanges. 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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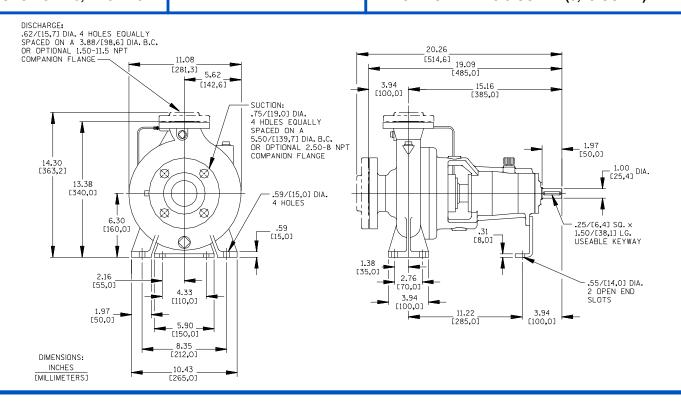
Specifications Subject to Change Without Notice

#### **Specification Data**

APPROXIMATE
DIMENSIONS and WEIGHTS

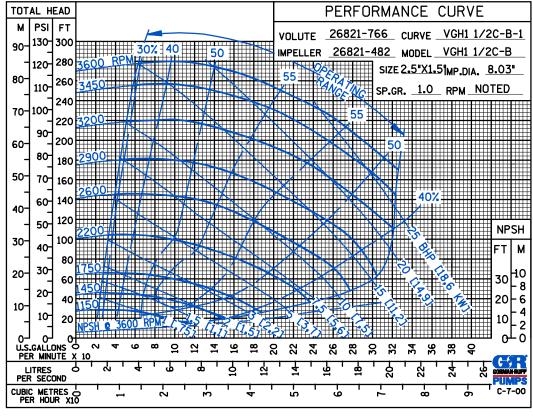
NET WEIGHT: 103 LBS. (47 KG.)
SHIPPING WEIGHT: 113 LBS. (51 KG.)
EXPORT CRATE: 5.6 CU. FT. (0,16 CU. M.)

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WATER





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**Curve Data** 

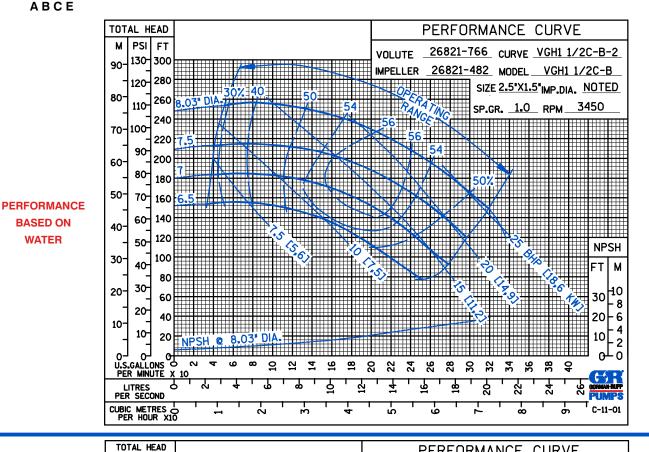
Sec. 70

**PAGE 151.1 MAY 2011** 

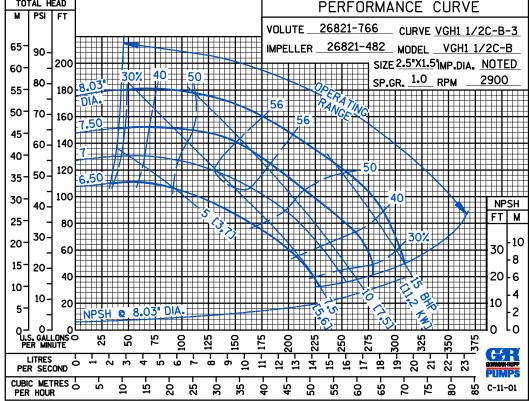
ABCE

**BASED ON** 

**WATER** 



**PERFORMANCE BASED ON WATER** 





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**Curve Data** 

Sec. 70

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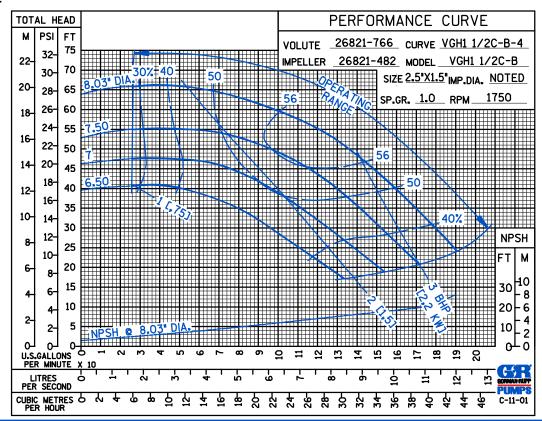
**MAY 2011** 

ABCE

**PERFORMANCE** 

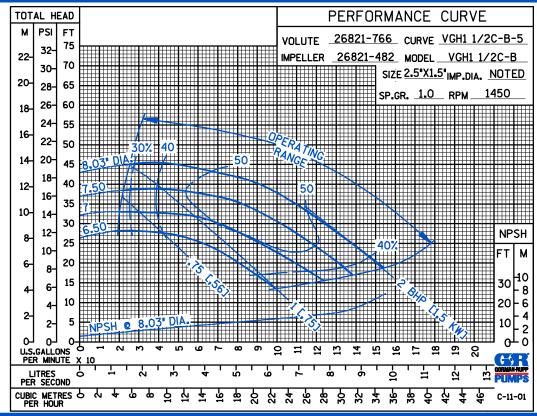
**BASED ON** 

**WATER** 



PERFORMANCE BASED ON

**WATER** 





THE GORMAN-RUPP COMPANY ● MANSFIELD, OHIO

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

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**PAGE 151.3** Sec. 70 **Curve Data MAY 2011** ABCE PERFORMANCE CURVE TOTAL HEAD PSI FT VOLUTE 26821-766 CURVE VGH1 1/2C-B-6 300 IMPELLER 26821-482 MODEL VGH1 1/2C-B 100-280 SIZE 2.5"X1.5"IMP.DIA. NOTED 80-90-260 SP.GR. <u>.80</u> RPM 3450 80-70-220 70-200 **PERFORMANCE** 60-**BASED ON** 60-**PETROLEUM** 50-160 50-140 40 120 40-100 30-FT М 30-80 20-60 30 20-40 20 - 6 10-10-20 10 ٠2 0-U.S.GALLONS PER MINUTE X GH 심 LITRES PER SECOND CUBIC METRES C PER HOUR X10 C-11-01 TOTAL HEAD PERFORMANCE CURVE PSI FT VOLUTE 26821-766 CURVE VGH1 1/2C-B-7 26-75 22 IMPELLER 26821-482 MODEL VGH1 1/2C-B 70 24-SIZE 2.5"X1.5" IMP.DIA. NOTED 20 65 22 SP.GR. \_.80 RPM \_\_1750 60 18-20 55 16-18 50 **PERFORMANCE** 14-16-45 **BASED ON** 14-40 **PETROLEUM** 12-35 12-10-30 10-**NPSH** 8-25 8-20 6-15 30 - 8 4-10 20-6 2-5 10 LLS.GALLONS PER MINUTE X 10 LITRES PER SECOND PUMPS consic wetkers 0 7 4 6 6 7 7 4 6 5 7 7 8 8 8 9 7 4 4 6 C-11-01 THE GORMAN-RUPP COMPANY ● MANSFIELD. OHIO GORMAN-RUPP OF CANADA LIMITED ● ST. THOMAS, ONTARIO, CANADA **PUMPS** Specifications Subject to Change Without Notice Printed in U.S.A.