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Standard Centrifugal Pump



Model VGH3E31-B

Size 5" x 3"

PUMP SPECIFICATIONS

Size: 5" x 3" (127 mm x 76 mm) Raised Face Flanges.

Casing: Ductile Iron.

Maximum Operating Pressure 170 psi (1172 kPa).*

Enclosed Type, Six Vane Impeller: Gray Iron 40.

Handles 27/64" (11 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.

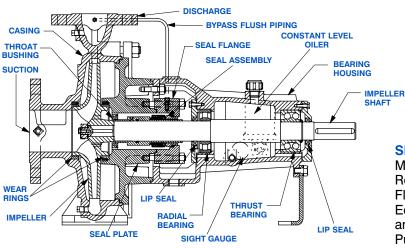
Hardware: Standard Plated Steel. **Bearing Housing Level Oiler.**

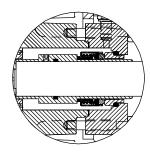
Optional Equipment: Strainer. NPT Suction and Discharge

Flanges. 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).*



GORMAN-RUPP PUMPS

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Specifications Subject to Change Without Notice

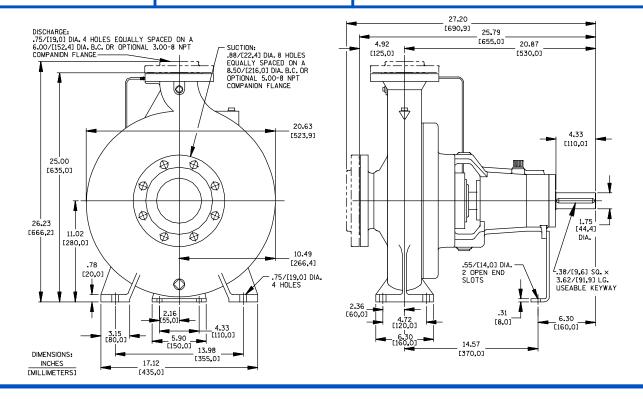
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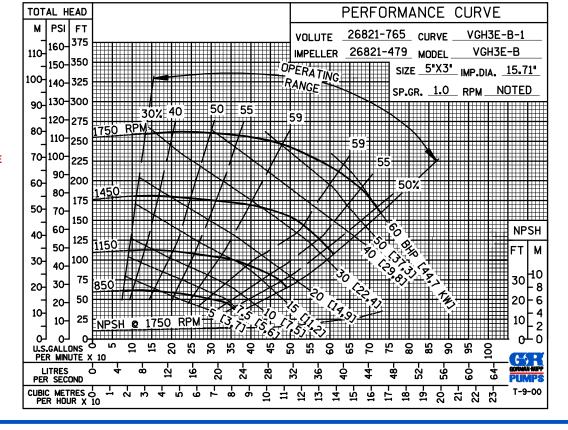
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APPROXIMATE DIMENSIONS and WEIGHTS

NET WEIGHT: 311 LBS. (141 KG.) SHIPPING WEIGHT: 323 LBS. (147 KG.) EXPORT CRATE SIZE: 13.2 CU. FT. (0,4 CU. M.)



PERFORMANCE BASED ON WATER





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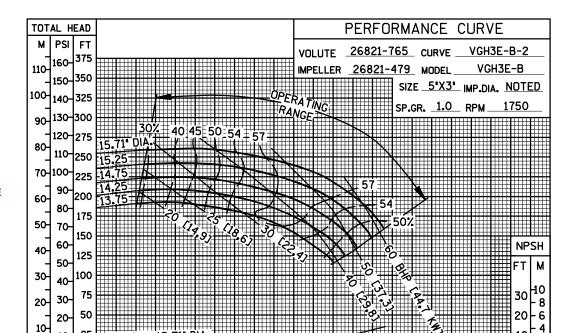
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PERFORMANCE BASED ON WATER

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U.S.GALLONS OPER MINUTE X 10

LITRES

PER SECOND

CUBIC METRES O
PER HOUR X 10

NPSH @ 15.71" DIA.

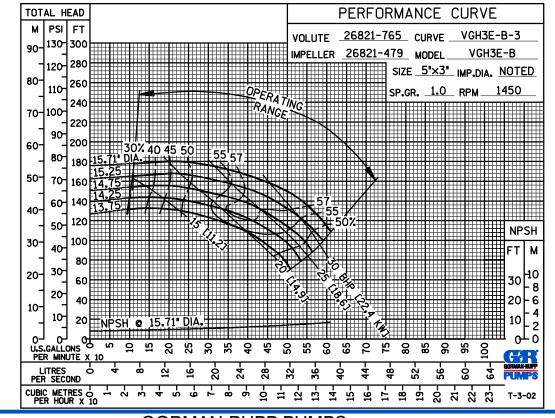
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PERFORMANCE

BASED ON WATER

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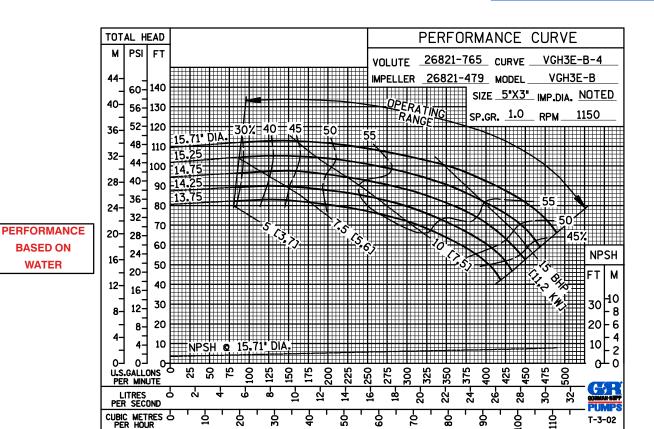
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PERFORMANCE CURVE

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JANUARY 2016



М PSI FT VOLUTE 26821-765 CURVE _ VGH3E-B-5 75 32-22-IMPELLER 26821-479 MODEL VGH3E-B 70 30-SIZE 5'X3' IMP.DIA. NOTED 20-65 28-SP.GR. 1.0 RPM 26-60 18-24-55 16-22-50 20-14 45 18-40 12-16-35 10-14 30 12-**NPSH** 10-FT 20 8-ั๊ด 10 15 30 6-- 8 10 20 - 6 4-5 2-10 2 Ы ΘL 25 50 75 00 500 U.S.GALLONS 425 PER MINUTE

PERFORMANCE BASED ON PETROLEUM

TOTAL HEAD

LITRES PER SECOND

CUBIC METRES 6

10-

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WATER



GORMAN-RUPP PUMPS

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