ACE

Basic Pedestal



Standard Centrifugal Pump Model VG3B3-B

Size 4" x 3"

PUMP SPECIFICATIONS

Size: 4" x 3" (102 mm x 76 mm) Flanged.

Casing: Gray Iron 40.

Maximum Operating Pressure 179 psi (1234 kPa).* Enclosed Type, Six Vane Impeller: Gray Iron 40. Handles 13/16" (20,6 mm) Diameter Spherical Solids.

Impeller Shaft: Steel 1045.

Shaft Sleeve: Stainless Steel 420.

Seal Plate: Gray Iron 40.

Bearing Housing: Gray Iron 40. **Radial Bearing:** Open Single Row Ball.

Thrust Bearing: Open Double Row Ball.

Bearing Lubrication: SAE 30 Non-Detergent Oil.

Gaskets: Nitrile Rubber.

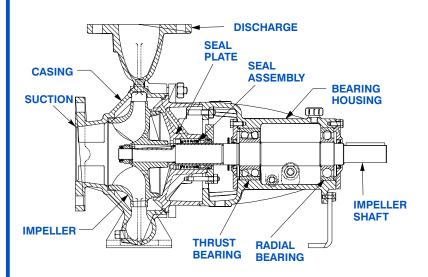
O-Ring: Fluorocarbon (DuPont Viton® or Equivalent).

Hardware: Standard Plated Steel.

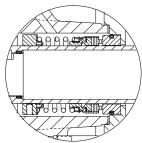
Oil Level Sight Gauge.

Optional Equipment: NPT Suction and Discharge Flanges. Strainer. Stainless Steel Impeller. Mechanical Seal with Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Hand Primer.

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







SEAL DETAIL

Type 1, Mechanical, Self-Lubricated. Carbon Rotating Face. Ceramic Stationary Seat. Buna-N Elastomers. Stainless Steel Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).*



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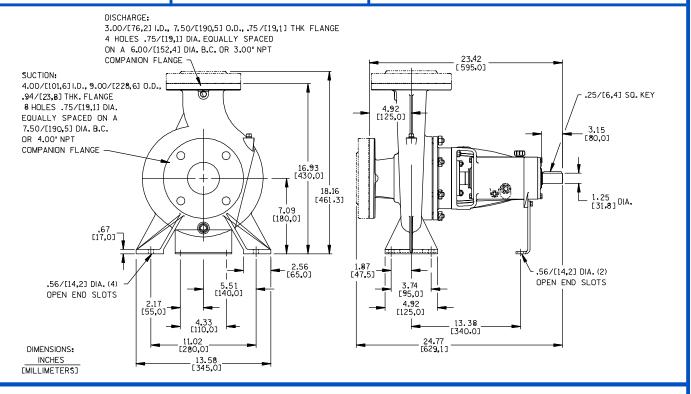
Specifications Subject to Change Without Notice

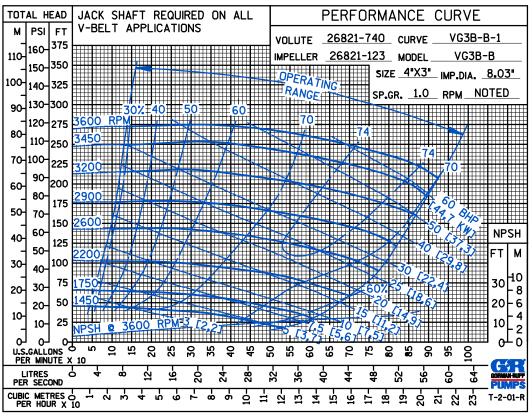
Specification Data

APPROXIMATE DIMENSIONS and WEIGHTS

NET WEIGHT: 140 LBS. (63,5 KG.) SHIPPING WEIGHT: 150 LBS. (68,0 KG.) EXPORT CRATE SIZE: 11.9 CU. FT. (0,34 CU. M.)

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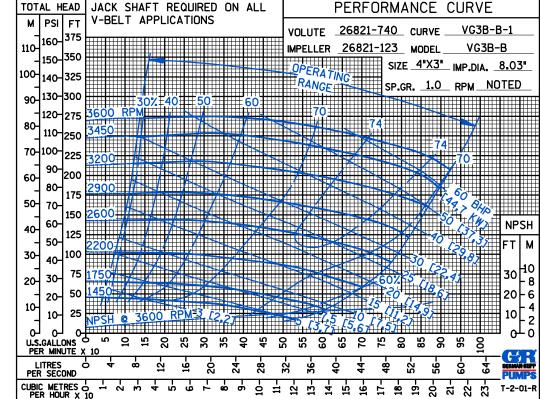
Specifications Subject to Change Without Notice

Curve Data

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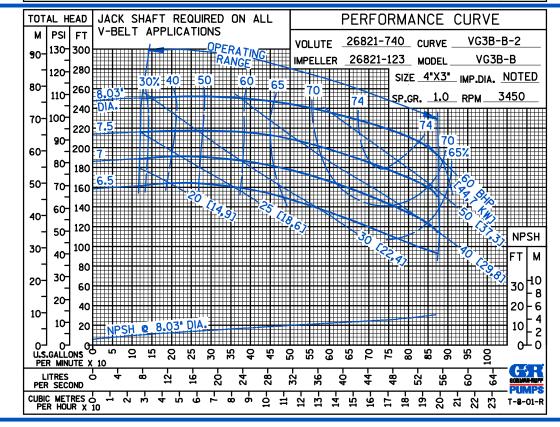


PERFORMANCE BASED ON WATER

PERFORMANCE

BASED ON

WATER





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PERFORMANCE CURVE

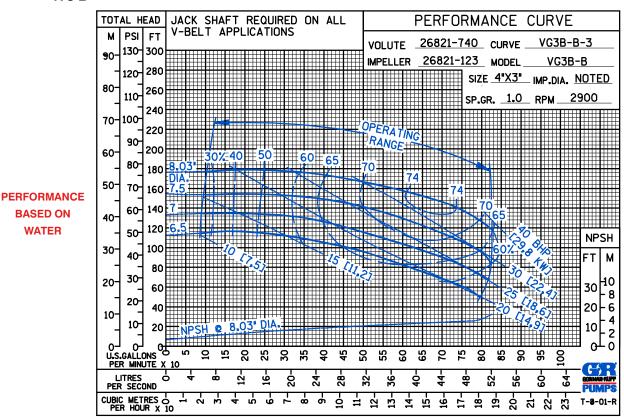
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ACE

BASED ON

WATER



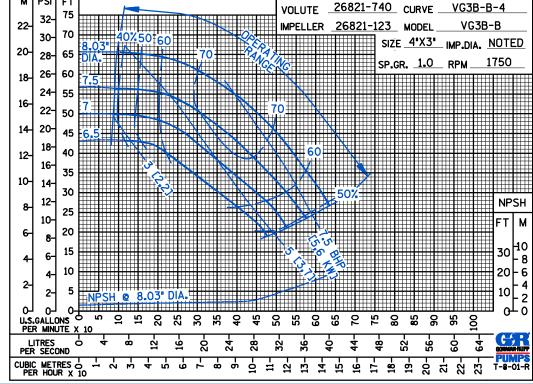
55 16-22-50 20-14 45 18-40 12-16-35 10-14-30

TOTAL HEAD

PSI FT

JACK SHAFT REQUIRED ON ALL V-BELT APPLICATIONS

PERFORMANCE BASED ON WATER





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PAGE 492.3 Curve Data Sec. 70 **NOVEMBER 2007** ACE TOTAL HEAD JACK SHAFT REQUIRED ON ALL V-BELT APPLICATIONS PERFORMANCE CURVE PSI FT VOLUTE 26821-740 CURVE VG3B-B-5 55 IMPELLER 26821-123 MODEL 50 SIZE 4'X3" IMP.DIA. NOTED 15 SP.GR. 1.0 RPM 1450 20 14 45 13 18 40 12 16 11 35 10 14 30 9 12 8 **PERFORMANCE** 10 **BASED ON** FT M 20 6 **WATER** 8 5 30 15 6 8 3 10 20 4 -10 2-NPSH @ 8.03" DIA. 2 44 CUBIC METRES O - T-8-01-R TOTAL HEAD JACK SHAFT REQUIRED ON ALL PERFORMANCE CURVE V-BELT APPLICATIONS PSI FT VOLUTE 26821-740 CURVE __ VG3B-B-6 75 32-VG3B-B 22 IMPELLER 26821-123 MODEL 70 30-SIZE 4"X3" IMP.DIA. NOTED 20-65 28-SP.GR. 1.0 RPM_ 26 60 18-24 16 22-50 20 14 45 18-40 12-**PERFORMANCE** 16-35 **BASED ON** 10-14 30 **WATER** 12-NPSH 25 10-20 8-10 15 30 6-- 8 NPSH © 8.03° DIA. 10 20 - 6 4-10 2-NPSH @ 0.73 U.S.GALLONS OPER MINUTE X 10 LITRES PER SECOND



CUBIC METRES O

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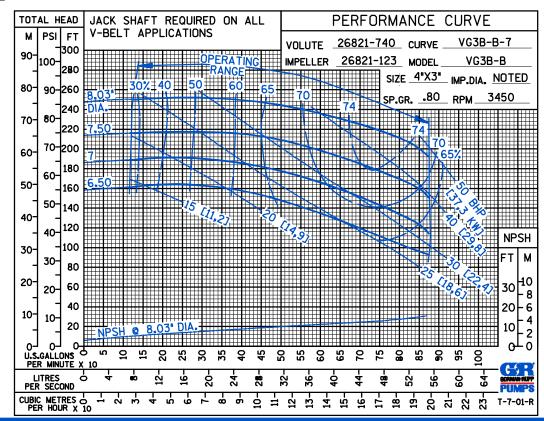
PETROLEUM

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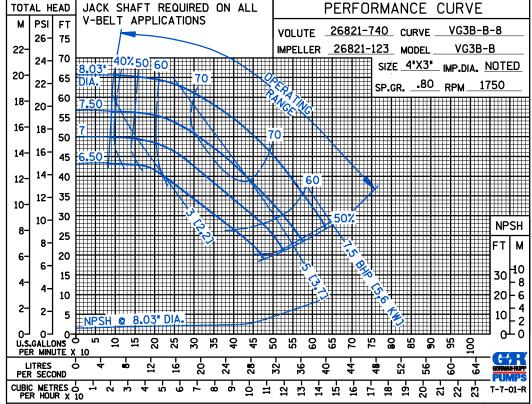
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