Basic Pump

Sec. 35

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Self Priming Centrifugal Pump

Model RS5A31-BAR and RS5A32-BAR

Size 6" x 5"

PUMP SPECIFICATIONS

Size: 6" x 5" (152 mm x 127 mm) Flanged. Casing: (RS5A31-BAR) Ductile Iron 65-45-12. (RS5A32-BAR) Cast Steel 70-36.

Maximum Operating Pressure 81 psi (558 kPa).*

Enclosed Type, Five Vane Impeller: Aluminum 356-T6. Handles 1/2" (12,7 mm) Diameter Spherical Solids.

Impeller Shaft: Steel 1045. Rotor: Copper Alloy C93400.

Bearing Housing: Ductile Iron 65-45-12.

Body Cover: (RS5A31-BAR) Ductile Iron 65-45-12. (RS5A32-BAR) Cast Steel 70-36.

Center/Spacer Plate: (RS5A31-BAR) Ductile Iron 65-45-12.

(RS5A32-BAR) Cast Steel 70-36.

Suction Spool Flange: Cast Steel 70-36. Radial Bearing: Open Double Row Ball Type. Thrust Bearing: Open Single Row Ball Type. Bearing Lubrication: SAE 30 Non-Detergent Oil.

Gaskets: Buna-N and PTFE.

Priming: Rotary Vane Type Priming Pump.

Air Release Valve: (RS5A31-BAR) Ductile Iron/Stainless Steel.

(RS5A32-BAR) Steel/Stainless Steel.

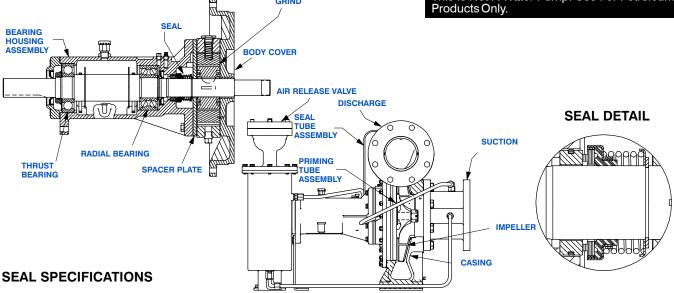
Optional Equipment: Standard 5" Discharge Check Valve (Required for Priming), Stainless Steel 416 Impeller Shaft, PTFE Seal with Fluorocarbon O-Ring, PTFE Seal with Buna-N O-Ring.

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



CAUTION

This Is Not A Water Pump. Use For Petroleum



Seal: Mechanical; Self-Lubricated. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Carbon Rotating Face; Ni-Resist Stationary Face; Maximum Temperature of Liquid Pumped is 160°F (71°C).



GORMAN-RUPP PUMPS

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Specifications Subject to Change Without Notice

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Specification Data

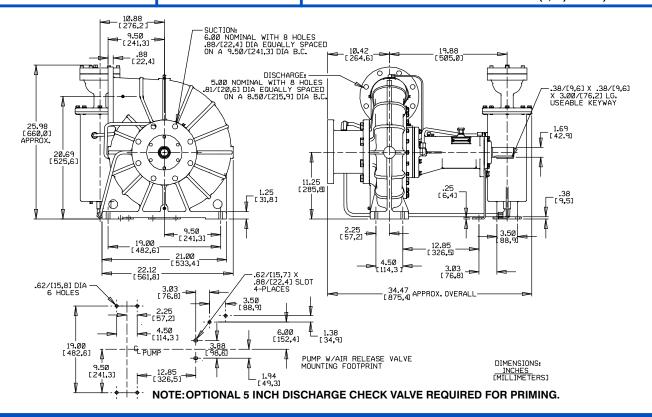
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OVERALL DIMENSIONS and APPROXIMATE WEIGHTS RS5A31-BAR

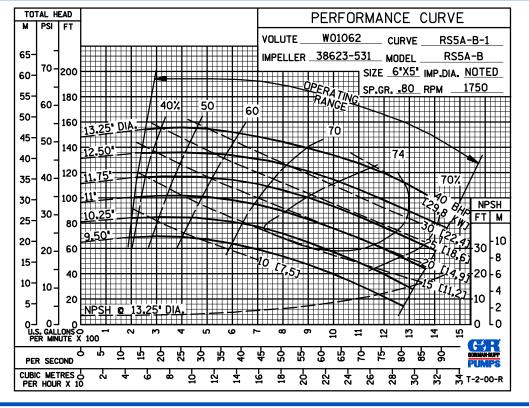
RS5A32-BAR

PUMP NET WEIGHT: EXPORT CRATE SIZE:

PUMP NET WEIGHT: 452 LBS. (205,0 KG.) 460 LBS. (208,7 KG.) SHIPPING NET WEIGHT: 502 LBS. (227,7 KG.) 515 LBS. (233,6 KG.) 22.3 CU. FT. (0,63) CU. M.)



PERFORMANCE BASED ON PETROLEUM TRIMMED IMPELLER





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Curve Data

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TOTAL HEAD PERFORMANCE CURVE M PSI FT VOLUTE_ W01062 __ CURVE __ RS5A-B-2 IMPELLER <u>38623-531</u> MODEL RS5A-B 32 | 36 100 SIZE 6"X5" IMP.DIA. NOTED SP.GR. .80 RPM _ 28- 32 90 28 80 24-70 24 20-60 20 16-50 NPSH 16 FT M 40 12-12 30 -30 8-8-20 -20 10 10 OJ OJ O IIIII U.S. GALLONS O PER MINUTE X 100 15 LITRES PER SECOND ᅙ 15 35 4 45 용 65 짇 75 CUBIC METRES O 취 12-4 9 18-20-22 24--92 28-8 ☆ T-5-11-R

50 HERTZ
PERFORMANCE
BASED ON
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TRIMMED
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