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Self Priming Centrifugal Pumps

Ultra V Series® Basic Pump w/UltraMate® Second Stage



Model VS3B60-B Size 4" x 3"

VARIOUS PATENTS APPLY



PUMP SPECIFICATIONS

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

Casings: Gray Iron 30.

Maximum Operating Pressure 176 psi (1213 kPa).*

Semi-Open Type, Two Vane Impellers: Ductile Iron 65-45-12. Handles 3" (76,2 mm) Diameter Spherical Solids.

Impeller Shafts: Stainless Steel 17-4 PH.

Self-Cleaning Replaceable Wear Plates: Carbon Steel ASTM A36.

Shimless Adjustable Cover Plates: Gray Iron 30.

Removable Inspection Cover Plate: Gray Iron 30; 12 lbs. (5,4 kg.).

Suction Flange: Gray Iron 30. Bearing Housings: Gray Iron 30. Seal Plates: Gray Iron 30. Shaft Sleeves: Alloy Steel 4130.

Radial Bearings: Open Single Row Ball.
Thrust Bearings: Open Double Row Ball.

Bearing and Seal Cavity Lubrication: SAE 30 Non-Detergent Oil. Gaskets: Buna-N, Compressed Synthetic Fibers, Vegetable Fiber,

PTFE, Cork, and Rubber.

O-Rings: Buna-N.

Transition Chamber: Ductile Iron 65-45-12. Hardware: Standard Plated Steel.

Brass Pressure Relief Valves.

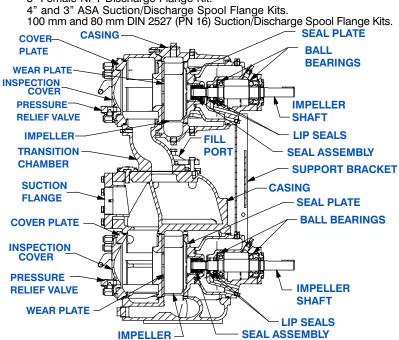
Bearing and Seal Cavity Oil Level Sight Gauges.

Optional Equipment: Automatic Air Release Valve. High Pump Temperature Shutdown Kit. Stainless Steel/G-R Hard Iron Impellers, Wear Plates and Seal Plates. 120/240 Volt Casing Heater.

Optional Gray Iron 30 Flange Kits Available as Follows

(See Price Sheets):

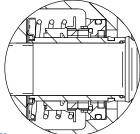
3" Female NPT Discharge Flange Kit.



UltraMate® Second Stage

> **Ultra V Basic** Pump





SEAL DETAIL

Cartridge Type, Mechanical, Oil-Lubricated, Double Floating, Self-Aligning. Silicon Carbide Rotating and Stationary Faces. Stainless Steel 316 Stationary Seat. Fluorocarbon Elastomers (DuPont Viton or Equivalent). Stainless Steel 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F

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



GORMAN-RUPP PUMPS

www.grpumps.com

Specifications Subject to Change Without Notice

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Specification Data

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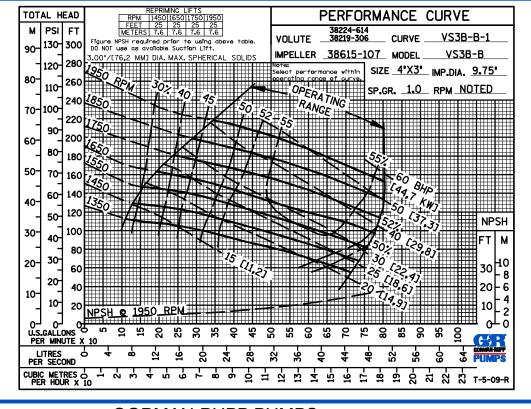
APPROXIMATE DIMENSIONS and WEIGHTS

NET WEIGHT: 1120 LBS. (508 KG.)*
SHIPPING WEIGHT: 1195 LBS. (542 KG.)*
EXPORT CRATE: 42.9 CU. FT. (1,2 CU. M.)
*WEIGHTS DO NOT INCLUDE OPTIONAL FLANGE KITS.

___ 15.82 [401.9] TO DIN FLANGE *18.00/[457.2] RECOMMENDED FOR REMOVAL OF BACK COVER PLATE [401.1] TO ASA FLANGE 10.50/[266.7] REQUIRED FOR REMOVAL OF BACK COVER PLATE ALTERNATE DISCHARGE POSITIONS 10.97 [278.7] TO NPT FLANGE -STANDARD DISCHARGE: 4 HOLES .75 DIA.(1905) EQUALLY SPACED ON ,A 6.00 DIA.B.C. 30.71 [780.0] TO NPT/ASA SUCTION OPTIONAL 3.00-8 NPT DISCHARGE FLANGE 11.13 [282.6] 4.88 [124.0] .39/[9.6] X .19/[4.8] X 4.00/[101.6] LG USEABLE KEYWAY OPTIONAL 3.00 NOMINAL ASA OR 80 MM DIN 2527 (PN16) DISCHARGE SPOOL 53.23 [1352.1] TO DIN 1.50 [38.1] DIA FLANGE FLANGES 48.38 [1229.0] TO NPT FLANGE OPTIONAL—4.00 NOMINAL ASA OR
100 MM DIN 2527 (PN 16)
SUCTION SPOOL FLANGE 28.04 4.88 [124.0] 45.33 [1151.3] .39/[9.6] X.19/[4.8] X 4.00/[101.6] LG USEABLE KEYWAY 53.20 [1351.3] TO ASA FLANGE STANDARD SUCTION: 4.00-8 NPT 19.88 [504.8] 9.38 [238.1] 18.961 1.00 DIMENSIONS: .69/[17.5] DIA 4 PLACES <u>INCHES</u> [MILLIMETERS] 35.41 [899.3] TO DIN FLANGE

OPTIONAL SUCTION & DISCHARGE FLANGES SHOWN IN PHANTOM

TOTAL COMBINED H.P. SHOWN





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Curve Data

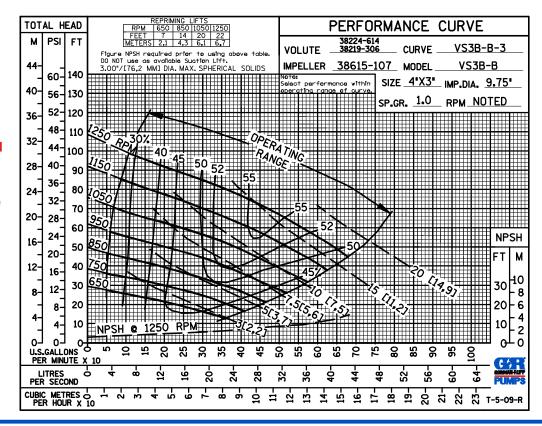
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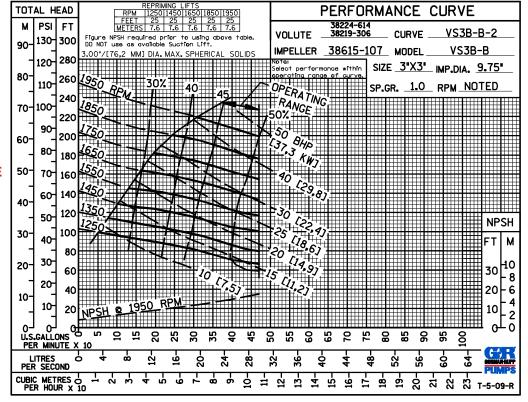
TOTAL COMBINED H.P. SHOWN

Performance Based on Water



TOTAL COMBINED H.P. SHOWN

PERFORMANCE FOR REDUCED SUCTION BASED ON WATER





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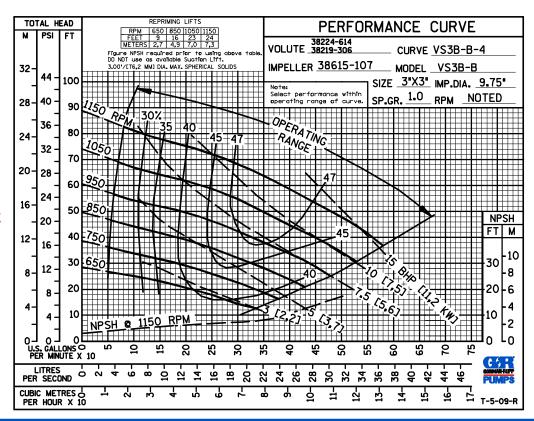
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TOTAL COMBINED H.P. SHOWN

PERFORMANCE FOR REDUCED SUCTION BASED ON WATER





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