

ULTRA SERISS



BASIC SELF-PRIMING CENTRIFUGAL PUMP

Model: V6A60-B

Pump Specifications

Size	8" x 6" (203 mm x 154 mm) **
Impeller Type	Semi-Open, Two Vane
Solids-Handling Capability	3" (76,2 mm) Spherical Diameter
Seal Type	Cartridge Type, Mechanical, Oil-Lubricated, Double Floating, Self-Aligning
Radial Bearing	Open Double Row Ball
Thrust Bearing	Open Double Row Ball
Bearing and Seal Cavity Lubrication	SAE 30 Non-Detergent Oil
Maximum Operating Pressure	129 psi (889 kPa)*
Max Temp of Liquid Pumped	160°F (71°C).*
Oil Level Sight Gauges	Bearing and Seal

Pump Materials

Gray Iron 30
Ductile Iron 65-45-12
Alloy Steel 4150
Alloy Steel 4130
Silicon Carbide Silicon Carbide Fluorocarbon FKM, (Viton® or Equivalent)
Carbon Steel ASTM A36
Gray Iron 30
Gray Iron 30 – 20 lbs. (9,1 kg.)
Neoprene with Nylon and Steel Reinforcing
Gray Iron 30
Gray Iron 30
Gray Iron 30
Buna-N, Compressed Synthetic Fibers, Vegetable Fiber, PTFE, Cork and Rubber
Buna-N
Standard Plated Steel
Brass

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

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

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ULTRA V FEATURES AND BENEFITS

Easy To Service And Maintain - Pump is mounted above liquid being pumped with only the suction line down in liquid.

Dual Bearing Protection - An atmospheric barrier along with two lip seals provide additional protection of the pump bearings. This unique design also allows for quick and easy external monitoring of the bearing cavity.

Inspection Cover – Patented, lightweight inspection cover for easy access to the impeller without removing the entire backcover plate or piping.

5 Year Ultra V Series Warranty

Up To 3" Diameter Spherical Solids Handling (2.50" dia solids on V3A and V3C models).

Removable Rotating Assembly – The entire rotating assembly can be removed without disturbing the pump volute or piping allowing the rotating assembly to be easily repaired or quickly replaced with a new ready to drop in assembly.

Upgradeable - The patented UltraMate® can be paired with the Ultra V Series pump when system requirements exceed the Ultra V's exceptional performance range. By adding the UltraMate unit directly to the Ultra V through an innovative transition chamber, maximum pressure is increased up to three times the pressure of traditional solids-handling, self-priming, single stage pumps.

Externally removeable suction check valve - A positive sealing, externally removable suction check valve is standard on Ultra V Series® models. This eliminates the need to disconnect any piping for inspection or replacement. The check valve has a blowout center that limits excessive volute pressure, protecting the pump.

^{***}Optional Gray Iron 30 Flanges Available as Follows (See Price Sheets):

8" and 6" Female NPT Discharge Flange Kit

8" and 6" ASA Suction/Discharge Spool Flange Kits

200 mm and 150 mm DIN 2527 (PN 16) Suction/Discharge Spool Flange Kits.

40.16

[1020.1]

TO ASA

FLANGE

40.03

[1016.8]

TO DIN

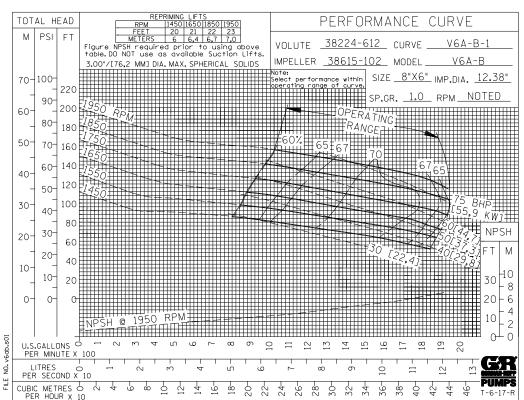
FLANGE

APPROXIMATE DIMENSIONS AND WEIGHTS

NET WEIGHT	1180 LBS. (535 KG.)*
SHIPPING WEIGHT	1300 LBS. (590 KG.)*
EXPORT CRATE	25 CU. FT. (0,71 CU. M.)
*WEIGHTS DO NOT INCLUDE OPTONAL FLANGE KITS.	

39.36 [999.7] * 24.00/[609,6] RECOMMENDED FOR REMOVAL OF BACK COVER PLATE TO NPT FLANGE 37.56 14.00/[355,6] REQUIRED FOR REMOVAL OF BACK COVER PLATE TO STANDARD ASA SUCTION 11.93 [303,0] OPTIONAL 6.00 NOMINAL STANDARD ASA FLANGE OR 150 MM DIN 2527 (PN16) DISCHARGE DISCHARGE: 8 HOLES 3/4 -10 UNC -2B EQUALLY SPACED ON A SPOOL FLANGÉ 9.50 / [241,3] DIA B.C. OPTIONAL 8.00 NOMINAL ASA 34.72 OR 200 MM DIN 2527 (PN16) [881.9] 5.33 [135,4] SUCTION SPOOL FLANGE TO NPT FLANGE 36.72 .50/[12.7] X .25/[6.4] [932.8] APPROX. X 4.38/[111.3] LG USEABLE KEYWAY [841.4] OPTIONAL 26.12 8.00 -8 NPT [663.6] SUCTION FLANGE 2.00 12.25 1.06 [50,8] [311,2] [26.9] DIA 5.33 10.50 .68/[17,3] DIA 4 HOLES [135,4] [266,7] 15.50 15.47 21.00 [393.7] [392,8] [533,4] 1.00 APPROX 23.00 DIMENSIONS: [25,4] [5842] INCHES [MILLIMETERS] 43 43 43 61

OPTIONAL SUCTION & DISCHARGE FLANGES SHOWN IN PHANTOM



60 HERTZ **PERFORMANCE BASED ON** WATER

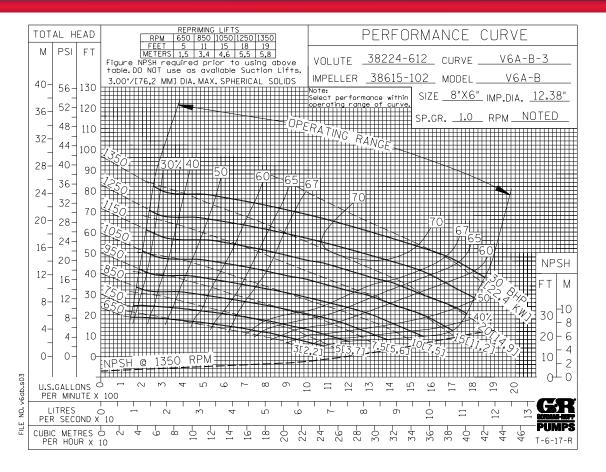


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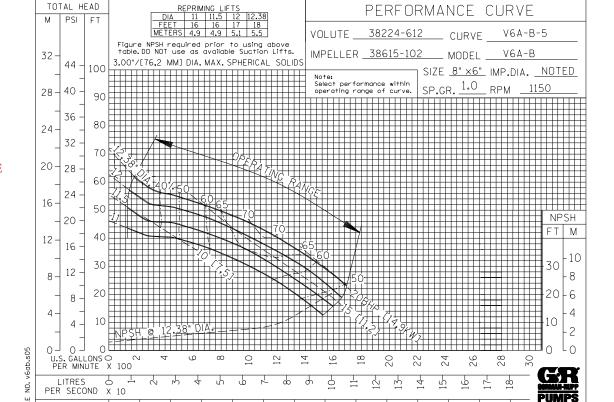
TO ASA FLANGE

[1103.0] TO DIN

FLANGE



60 HERTZ **PERFORMANCE** BASED ON **WATER**



PERFORMANCE CURVE

99

T-8-14

60 HERTZ **PERFORMANCE BASED ON** WATER

> **TRIMMED IMPELLER**

CUBIC METRES

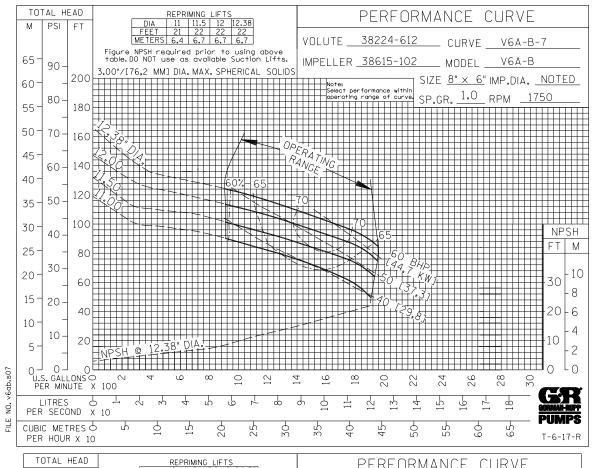
TOTAL HEAD

PSI



TRIMMED

IMPELLER

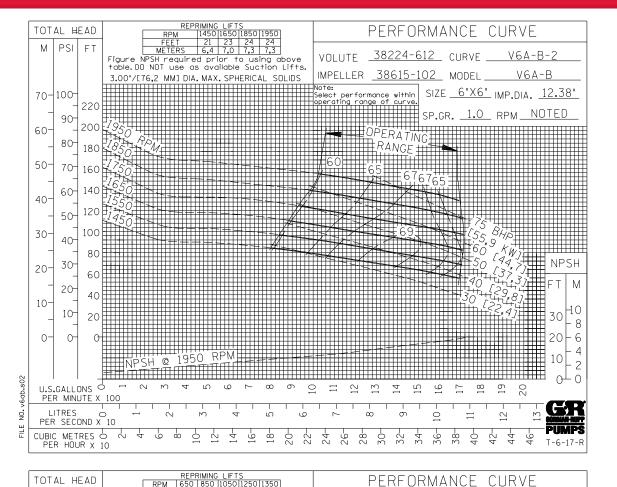


PERFORMANCE CURVE 38224-612 VOLUTE _ CURVE Figure NPSH required prior to using above table. DO NOT use as available Suction Lifts. IMPELLER <u>38615-102</u> _ MODEL 80 3.00"/[76,2 MM] DIA. MAX. SPHERICAL SOLIDS 110-NOTED SIZE <u>8"×6"</u> IMP.DIA. SP.GR. 1.0 70 100 225 OPERATING RANCEST 90 200 60-80 50 70 150 60-40-125 50 100 30-40-10 30 30 8 20 20 6 20-10-10 10-2 U.S. GALLONS O C PER MINUTE X 100 9 ∞ 7 10 16 18 26 28 30 LITRES 8 PER SECOND X 10 CUBIC METRES 9 ΓP 29 69 35 PER HOUR X 10 T-6-17-R

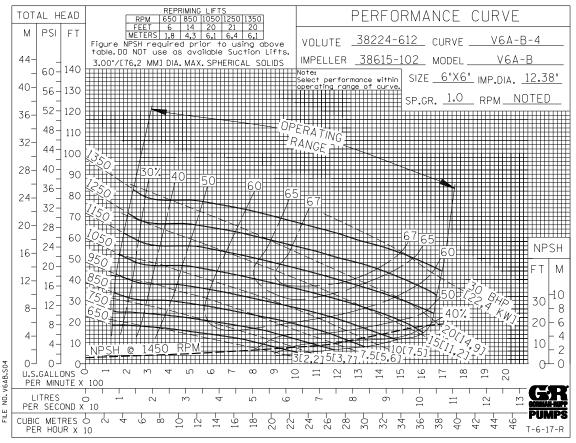
60 HERTZ PERFORMANCE BASED ON WATER

TRIMMED IMPELLER

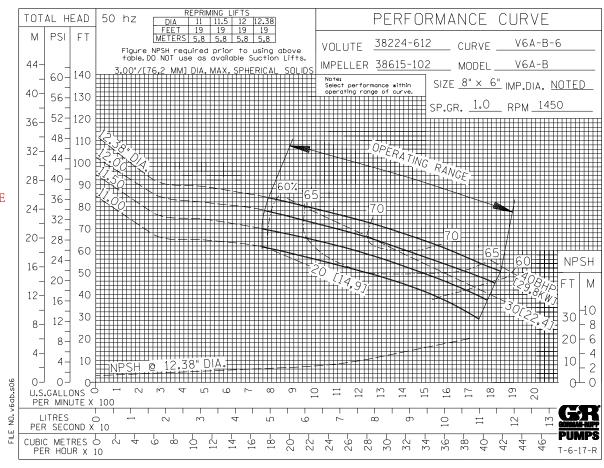




PERFORMANCE FOR REDUCED SUCTION BASED ON WATER



PERFORMANCE FOR REDUCED SUCTION BASED ON WATER



50 HERTZ PERFORMANCE BASED ON WATER

