

## Electric Motor Driven

## Submersible Pump

## Model S6B1-E95

## Size 6"



## PUMP SPECIFICATIONS

**Diffuser:** Ductile Iron 80-60-03;

Maximum Operating Pressure 133 psi (917 kPa).\*

**Impeller:** Ductile Iron 80-60-03.

**Suction Head:** Ductile Iron 80-60-03.

**Motor Housing:** Aluminum Alloy 356-T6.

**Intermediate Bracket:** Aluminum Alloy 356-T6.

**Strainer Plate:** Aluminum Alloy 356-T6.

**Motor Shaft:** Stainless Steel 17-4PH.

**Bearings:** Upper, Open Single Row Ball Bearing.

Lower, Two Seals, Double Row Ball Bearing.

**Discharge Flange:** Gray Iron 30.

**Gaskets:** Cork with Nitrile Binder (NC710) and Vegetable Fiber.

**O-Rings:** Neoprene.

**Wetted Hardware:** Standard Plated Steel and Stainless Steel.

**Strainer:** Urethane Coated Steel; 59% Open Area,  
1.0" (25.4 mm) Square Openings.

**Hoisting Bail:** Urethane Coated Steel.

## Standard Equipment

**NEMA Type 3R Rainproof Control Box. (See Section 130, Page 95.)** Provides On-Off, Circuit Breaker and Motor Overload Protection.

## Optional Equipment

**Liquid Level Control (See Sec. 130, Page 150.)**

- Turtle Type Pressure Activated Level Switch.
- Float Activated Level Switch.

## Staging Adapter Kit.

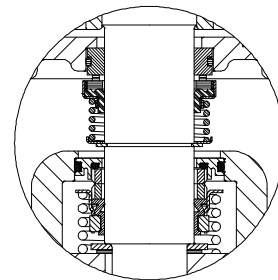
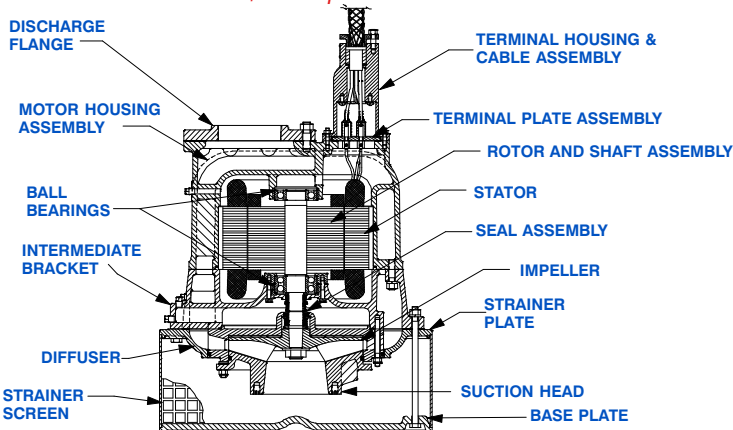
## MOTOR/CABLE SPECIFICATIONS

**Motor:** Oil Filled Enclosure; 95 H.P.; 1750 R.P.M.; Inverter Duty Rated (VFD Capable). Three Phase: 460/575 Volt, 60 Hz, 116/93 Full Load AMPS, 72.0 kW (Max.)

**Power Cable:** (460V) 6 Wire, Type GGC, 2/0 AWG; 3 Power Conductors, 2 Ground Conductors and 1 Ground Check.  
(575v) 6 Wire, Type GGC, 1 AWG, 3 Power Conductors, 2 Ground Conductors and 1 Ground Check. Nominal Length 50 Feet (15 m) Standard. (Specify Alternate Length at Time of Order.)

**Recommended Generator Size:** 200 kW Across-the-Line Start.  
100 kW for Reduced Voltage Starting.

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



## SEAL DETAIL

Tandem, Oil Lubricated.

**Upper Seal:** Type 2, Mechanical. Carbon Rotating Face. Ceramic Stationary Face. Buna-N Elastomers. Stainless Steel 18-8 Cage and Spring.

**Lower Seal:** Type 2, Mechanical. Tungsten Titanium 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, 122°F (50°C).\*



GORMAN-RUPP PUMPS

www.grpumps.com

Specifications Subject to Change Without Notice

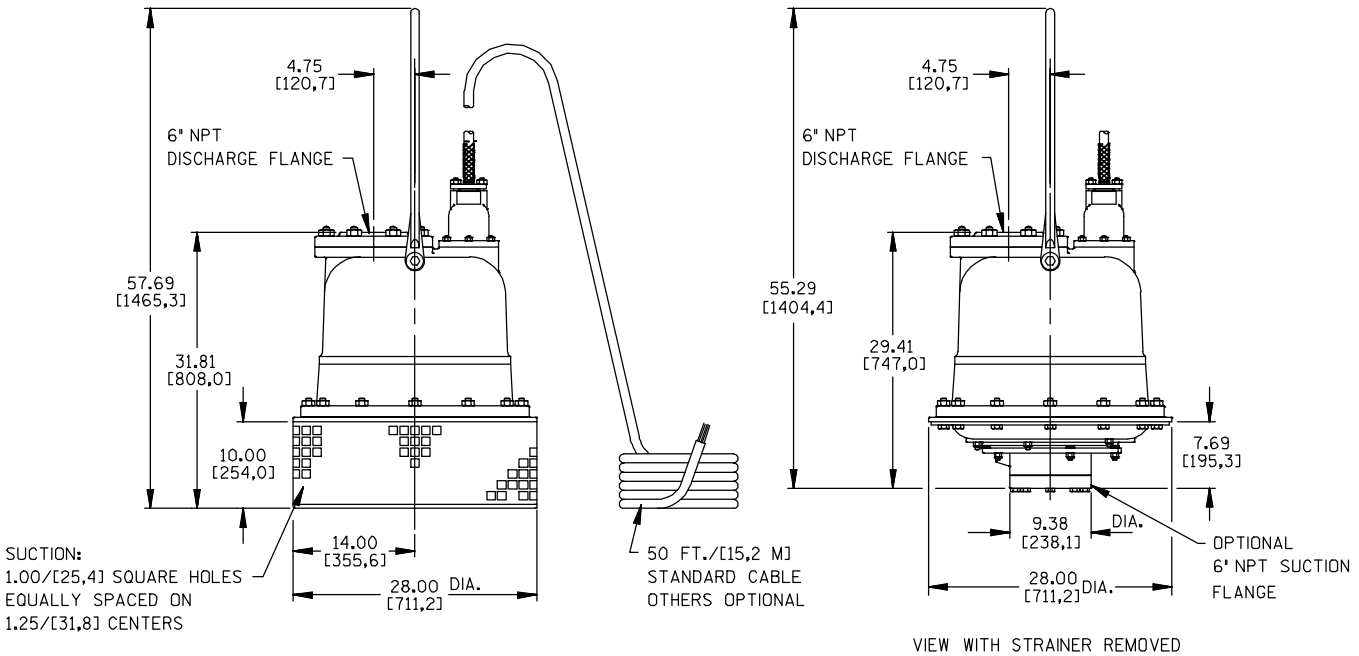
Printed in U.S.A.

**Specification Data**

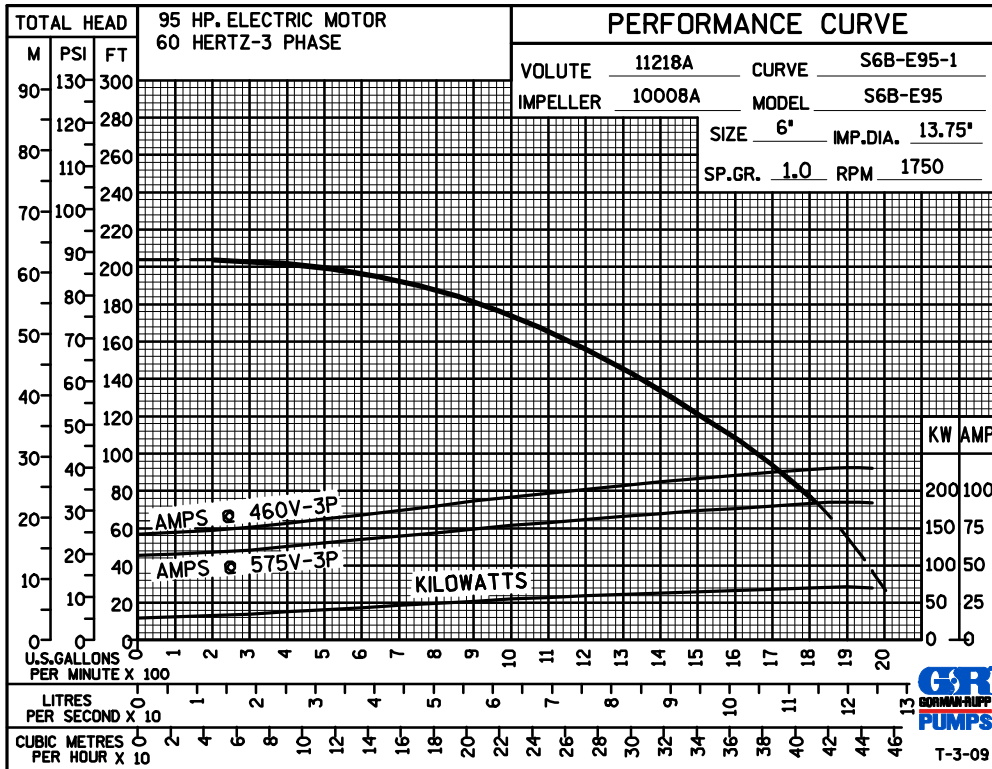
**SECTION 130, PAGE 1425**

APPROXIMATE  
DIMENSIONS and WEIGHTS

**NET WEIGHT: 1100 LBS. (499 KG.)**  
**SHIPPING WEIGHT: 1210 LBS. (549 KG.)**  
**EXPORT CRATE: 31.5 CU. FT. (0,89 CU. M.)**



DIMENSIONS:  
INCHES  
[MILLIMETERS]



**GORMAN-RUPP PUMPS**

www.grpumps.com

Specifications Subject to Change Without Notice

Printed in U.S.A.