



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.)

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

Staging Adapter Kit.

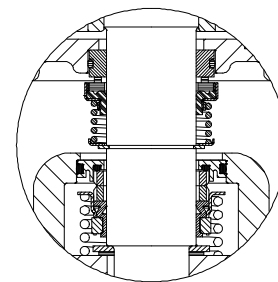
MOTOR/CABLE SPECIFICATIONS

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.

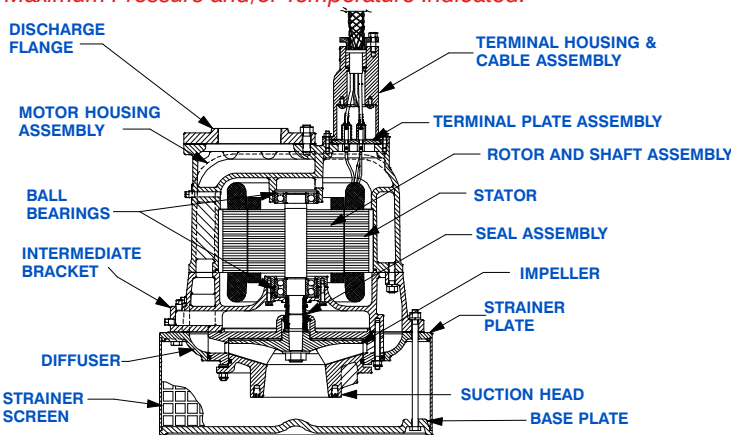
* Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.



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).*



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Specifications Subject to Change Without Notice

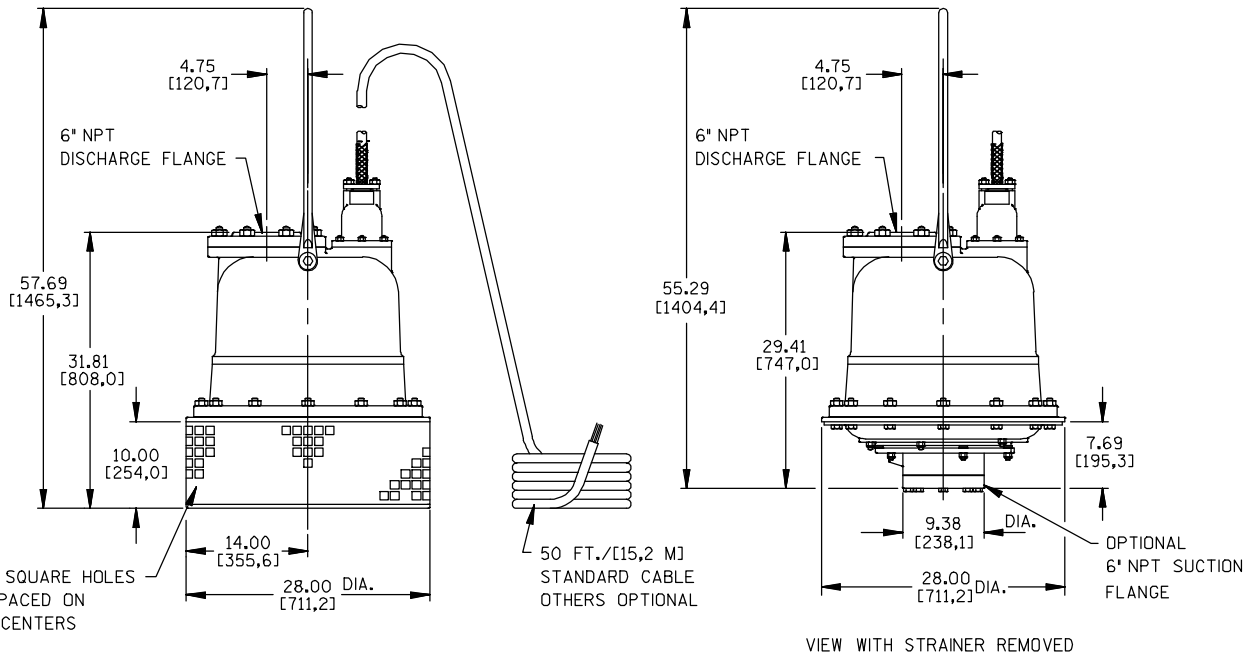
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Specification Data

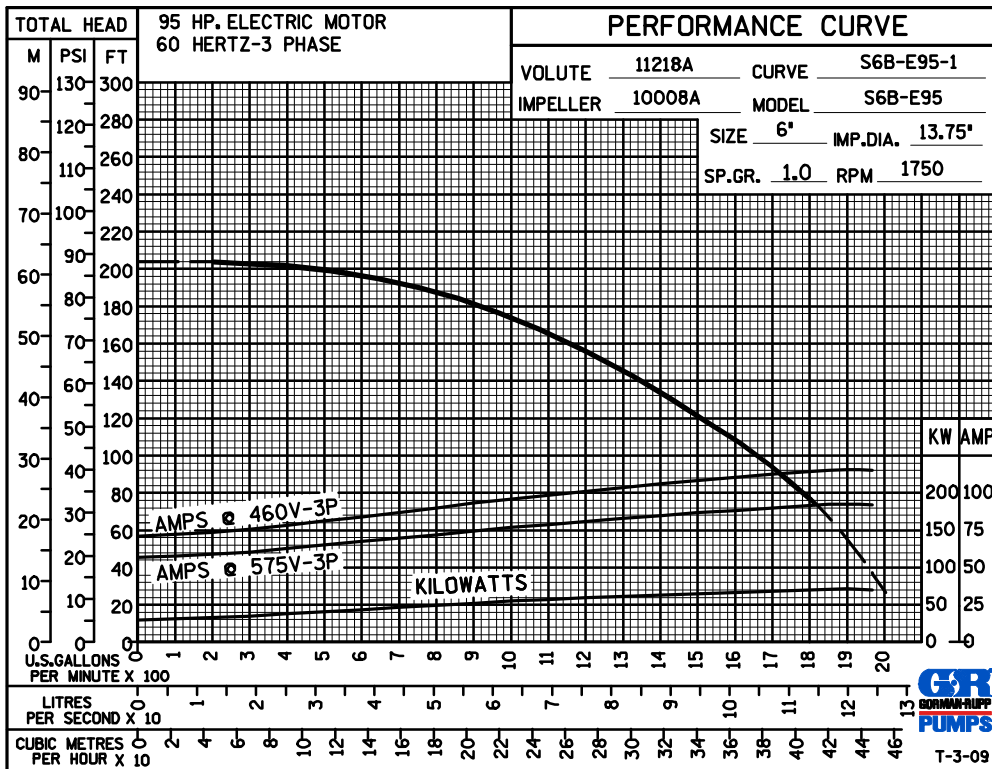
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APPROXIMATE
DIMENSIONS and WEIGHTS

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]



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