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Electric Motor Driven Submersible Pump Model S8A1-E95

Size 8"

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

Maximum Operating Pressure 103 psi (710 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.

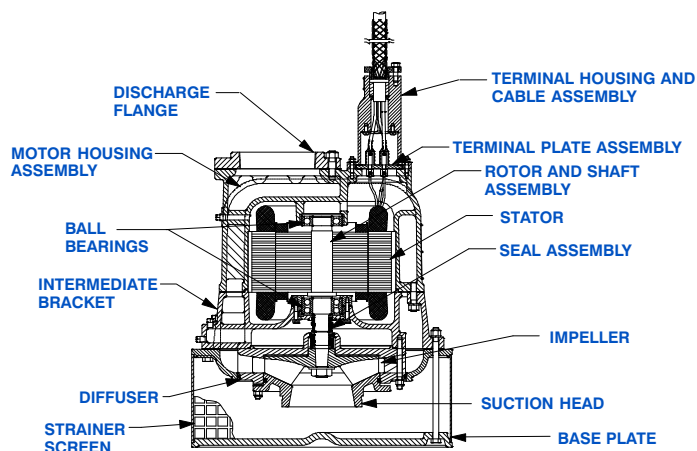
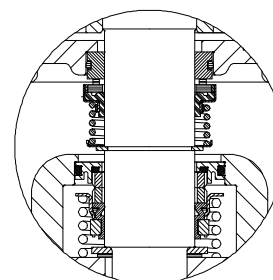
b. Float Activated Level Switch.

Staging Adapter Kit.**MOTOR/CABLE SPECIFICATIONS****Motor:** Oil Filled Enclosure; 95 H.P.; 1750 R.P.M.; Three Phase:

460/575 Volt, 60 Hz, 128/102 Full Load AMPS, 81.0 kW (Max.)

Power Cable: 6 Wire, Type GGC, 2 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.**WARNING!**Do not use in explosive atmosphere or for pump-
ing volatile flammable liquids.**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).*

THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

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Specifications Subject to Change Without Notice

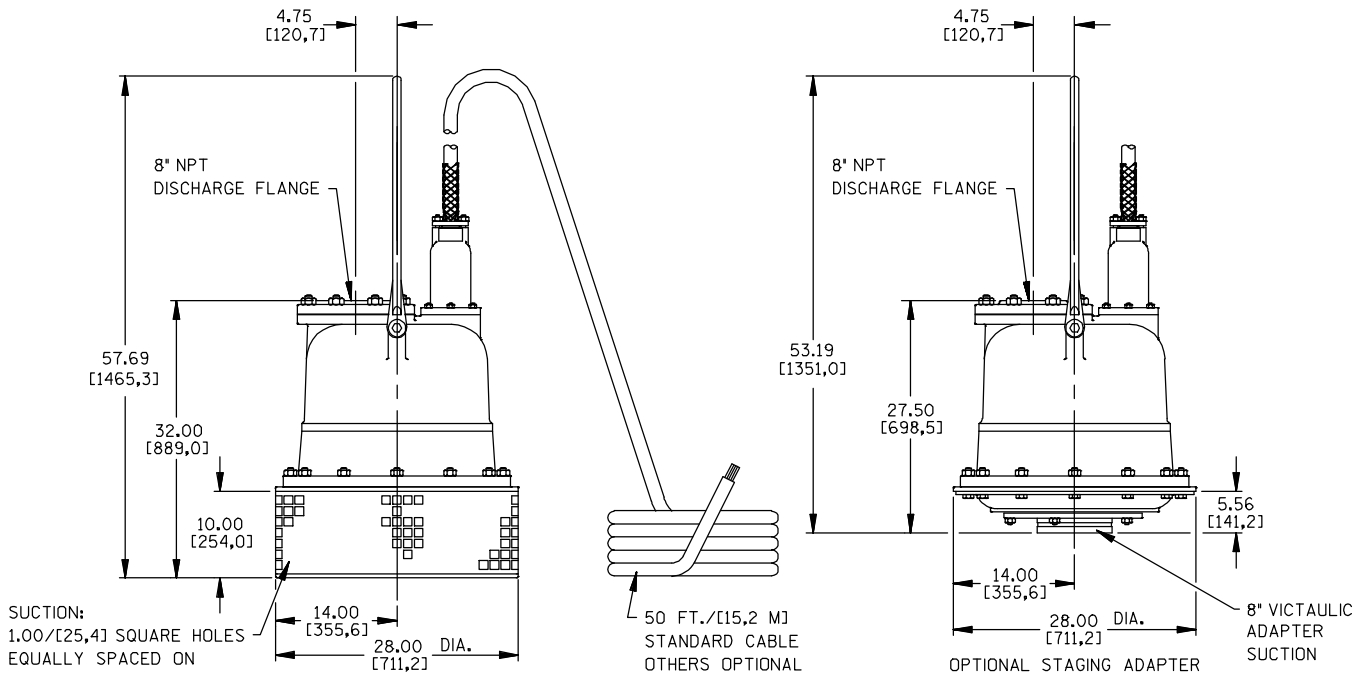
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Specification Data

SECTION 130, PAGE 1510C

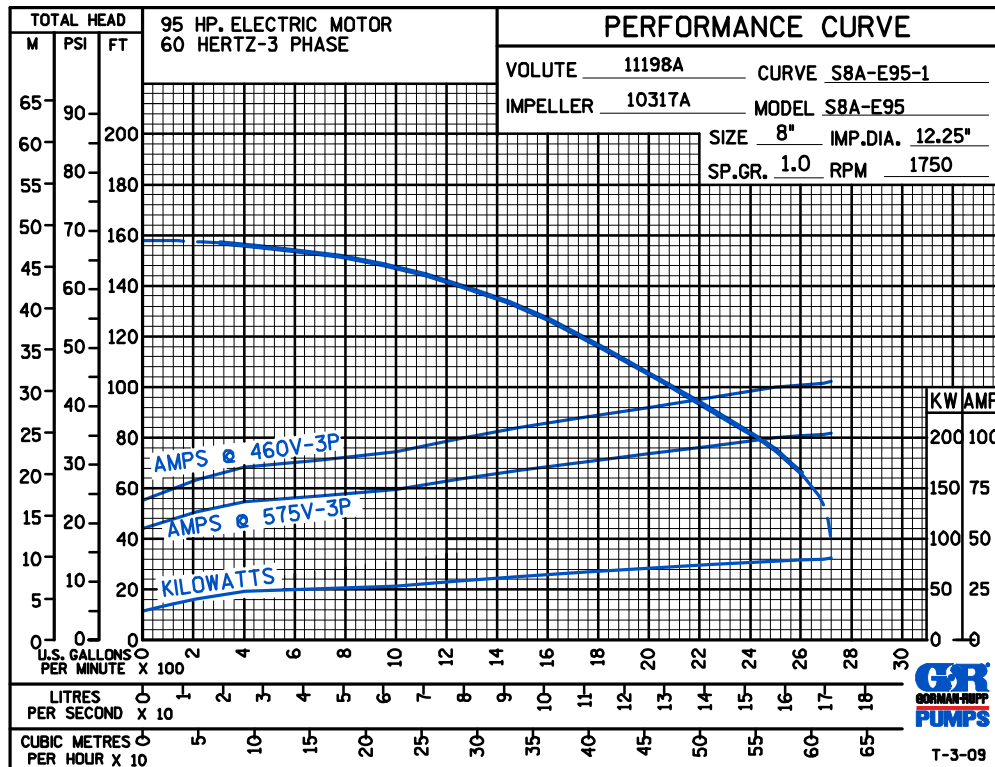
APPROXIMATE
DIMENSIONS and WEIGHTS

NET WEIGHT: 1100 LBS. (499 KG.)
SHIPPING WEIGHT: 1225 LBS. (556 KG.)
EXPORT CRATE: 37.2 CU. FT. (1,05 CU. M.)



DIMENSIONS:
INCHES
[MILLIMETERS]

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