

## 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.

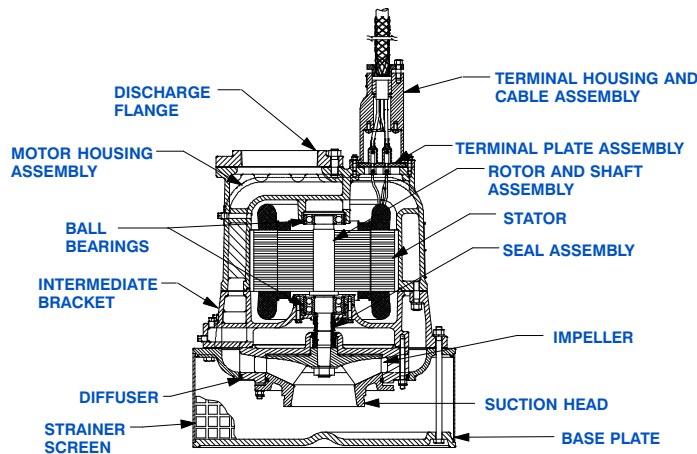
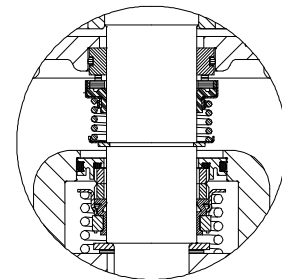
**Staging Adapter Kit.****MOTOR/CABLE SPECIFICATIONS****Motor:** Oil Filled Enclosure; 95 H.P.; 1750 R.P.M.; Inverter Duty Rated (VFD Capable) Three Phase: 460/575 Volt, 60 Hz, 128/102 Full Load AMPS, 81.0 kW (Max.)**Power Cable:** (460V) 6 Wire, Type GGC, 2/0 AWG; 3 Power Conductors, 2 Ground Conductors 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

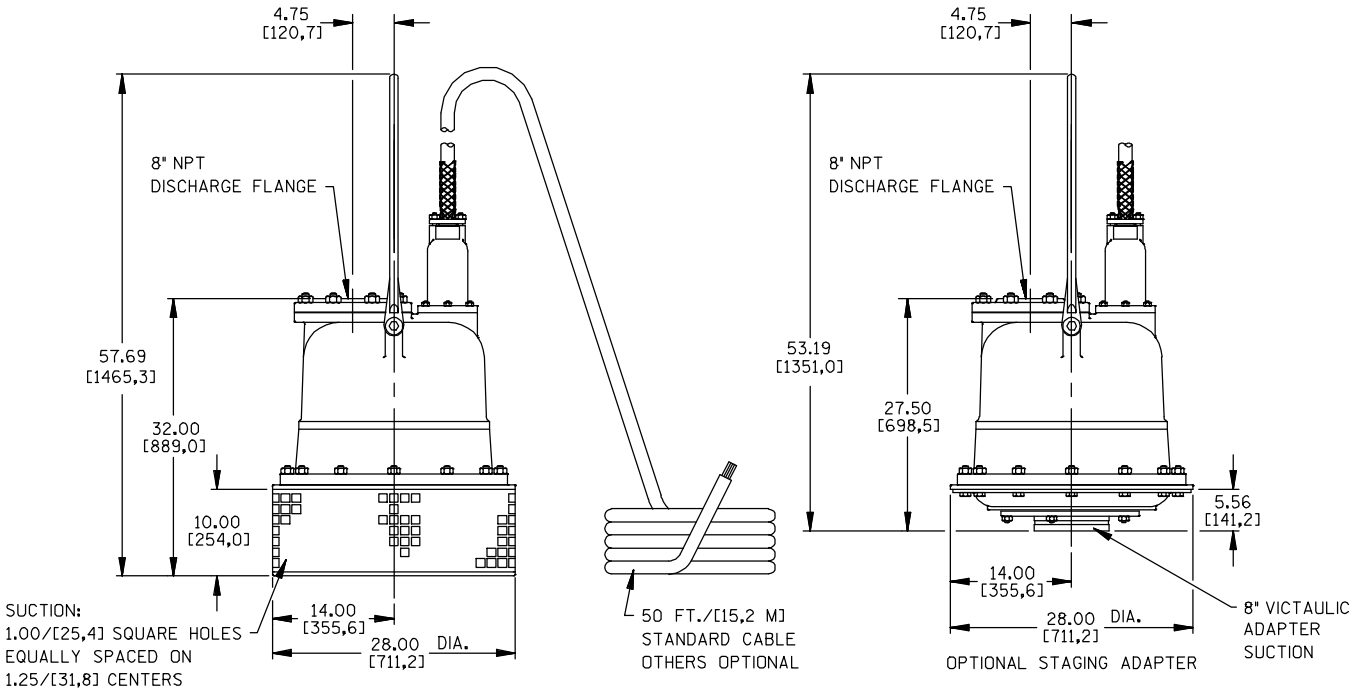
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**Specification Data**

**SECTION 130, PAGE 1510**

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.)**



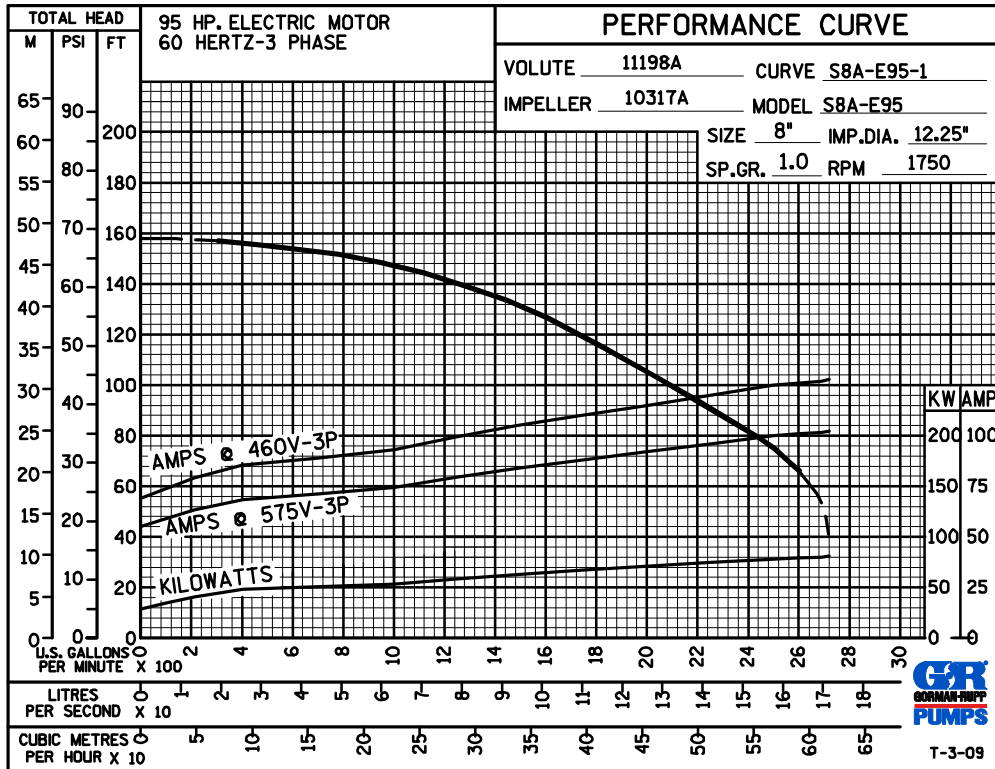
SUCTION:  
1.00/[25,4] SQUARE HOLES  
EQUALLY SPACED ON  
1.25/[31,8] CENTERS

50 FT./[15,2 M]  
STANDARD CABLE  
OTHERS OPTIONAL

OPTIONAL STAGING ADAPTER  
8" VICTAULIC  
ADAPTER  
SUCTION

DIMENSIONS:  
INCHES  
[MILLIMETERS]

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