

ACU



Electric Motor Driven Submersible Pump Model S8A1-E95 Size 8"



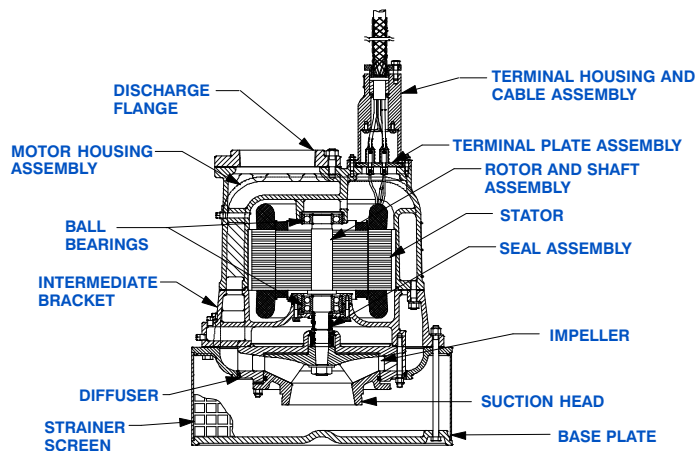
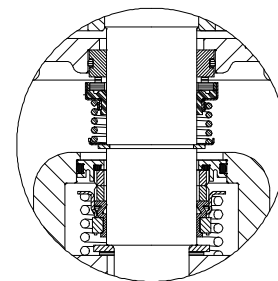
PUMP SPECIFICATIONS

- 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.



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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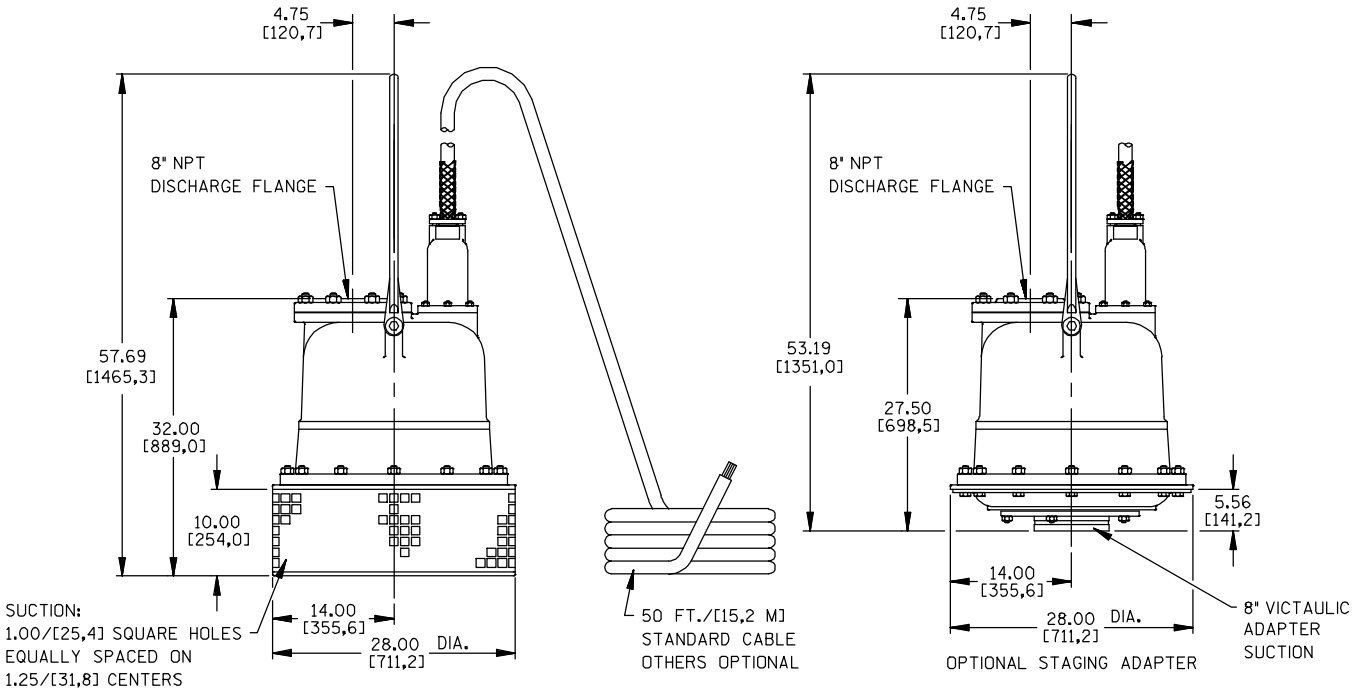
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Specification Data

SECTION 130, PAGE 1510

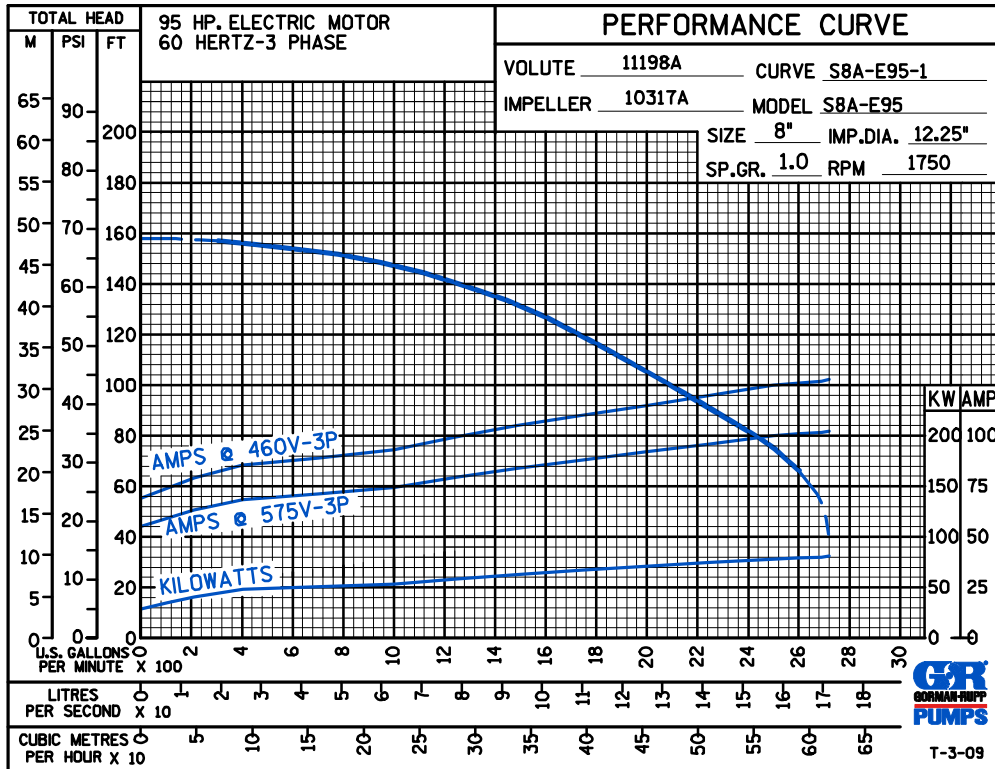
APPROXIMATE
DIMENSIONS and WEIGHTS

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



DIMENSIONS:
INCHES
[MILLIMETERS]

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