

ACU

Submersible Pump

Model S4A1-E25

Size 4"



PUMP SPECIFICATIONS

- Diffuser:** Ductile Iron 80-60-03;
Maximum Operating Pressure 83 psi (572 kPa).*
- Semi-Open Type, Six Vane Impeller:** Ductile Iron 80-60-03.
- Suction Head:** Ductile Iron 120-90-02.
- Motor Housing:** Aluminum Alloy 356-T6.
- Intermediate Bracket:** Aluminum Alloy 356-T6.
- Strainer Plate:** Aluminum Alloy 356-T6.
- Motor Shaft:** Stainless Steel 17-4 PH.
- Bearings:** Upper and Lower, Open Single Row Ball.
- Discharge Flange:** Gray Iron 30.
- Gaskets:** Cork w/Nitrile Binder (NC710) and Vegetable Fiber.
- O-Ring:** Synthetic Rubber (DuPont Neoprene® or Equivalent).
- Wetted Hardware:** Standard Plated Steel and Stainless Steel.
- Strainer:** Urethane Coated Steel; 48% Open Area, 0.62" (15,7 mm) Square Openings.
- Hoisting Bail.** Urethane Coated Steel.
- Standard Equipment:** NEMA Type 3R Rainproof Control Box. Provides On-Off, Circuit Breaker and Motor Overload Protection. (See Section 130, Page 95.)
- Optional Equipment:** Staging Adapter Kit. Turtle Type Pressure Activated Level Switch. Float Activated Level Switch. (See Sec. 130, Page 150.)

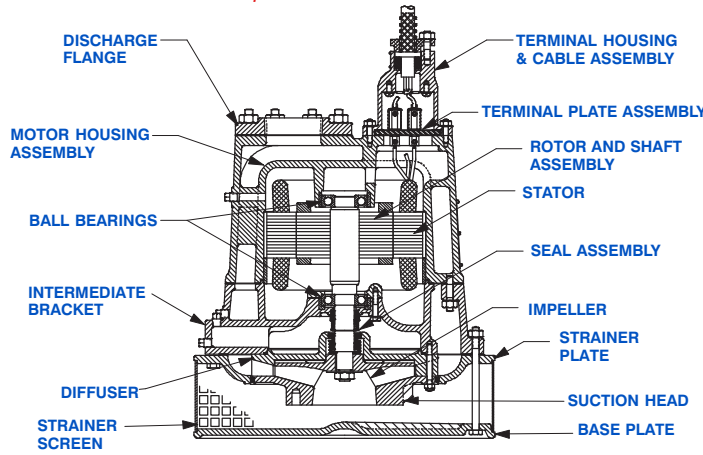
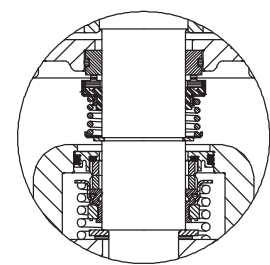


WARNING!

Do not use in explosive atmosphere or for pumping volatile flammable liquids.

MOTOR/CABLE SPECIFICATIONS

- Motor:** Oil Filled Enclosure; 25 H.P.; 1750 R.P.M.;
Three Phase: 460/575 Volt, 60 Hz, 32/26 Full Load Amps, 21 kW (Max.)
 - Power Cable:** 6 Wire; Type GGC; 6 AWG. 3 Power Conductors, plus 2 Ground Conductors and 1 Ground Check. Nominal Length 50 Feet (15 m) Standard. (Specify Alternate Length at Time of Order.)
 - Recommended Generator Size:** 40 kW Across the Line Start, 25 kW for Reduced Voltage Starting.
- * Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.



SEAL SPECIFICATIONS

- 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).*



John M. Ellsworth Co., Inc.

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Milwaukee, WI 53224

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800-563-8848 **FAK**

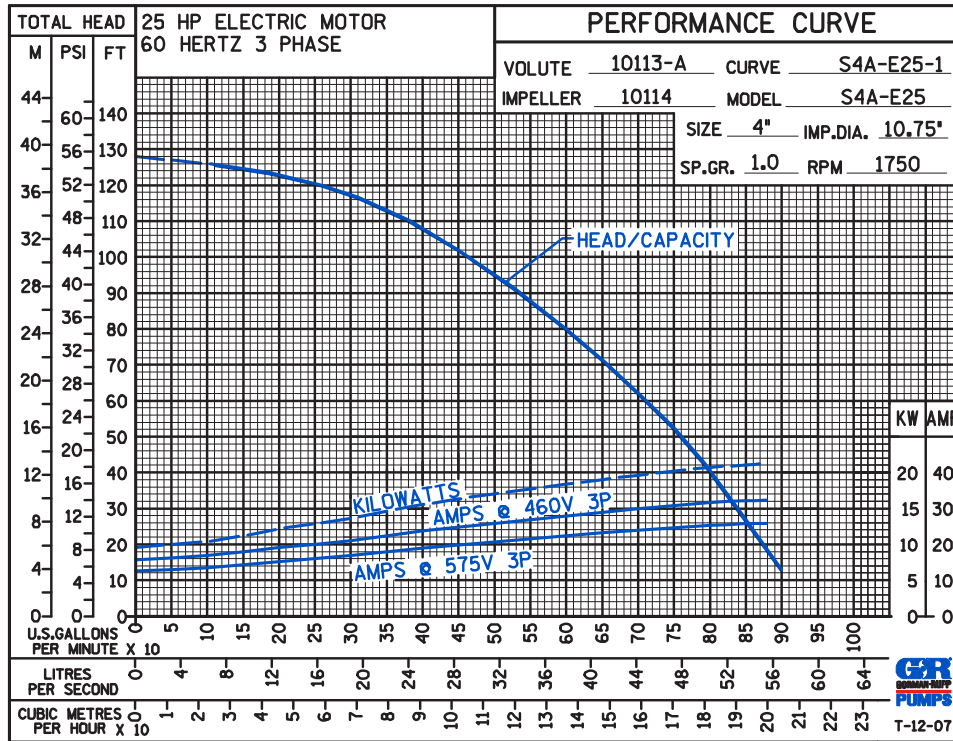
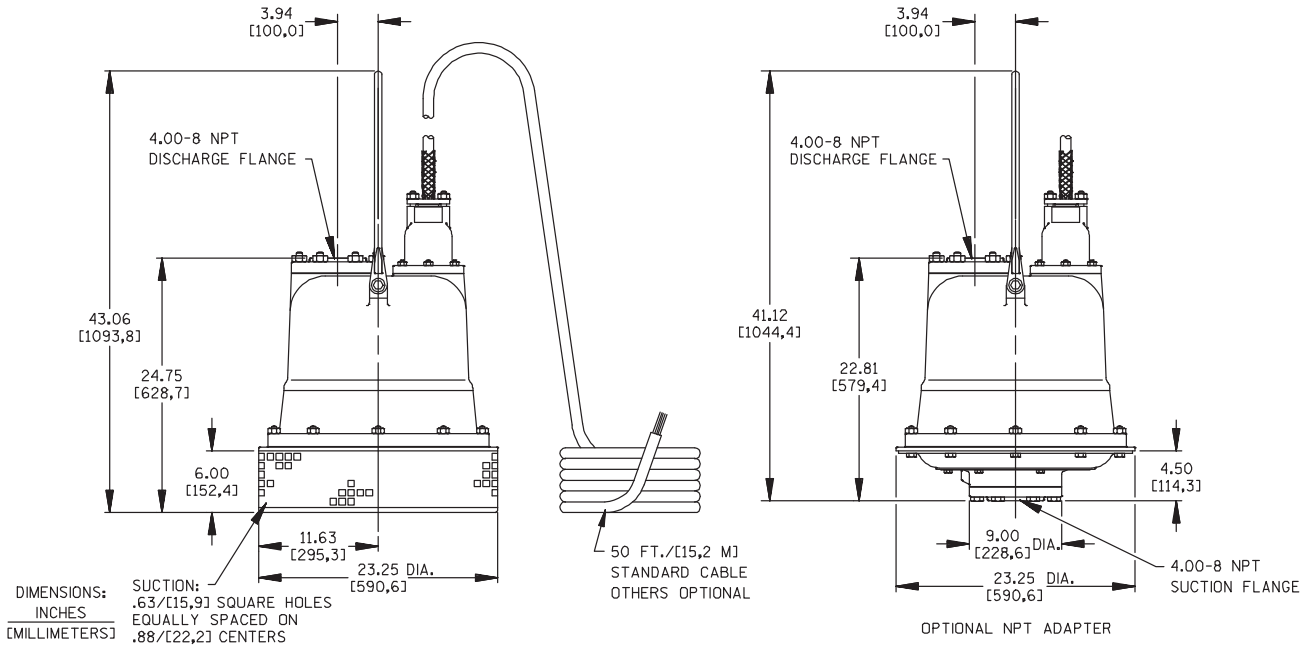
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Specification Data

SECTION 130, PAGE 1105

APPROXIMATE
DIMENSIONS and WEIGHTS

NET WEIGHT: 602 LBS. (273.1 KG.)
SHIPPING WEIGHT: 642 LBS. (291,2 KG.)
EXPORT CRATE: 31.0 CU. FT. (0,88 CU. M.)



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