

ACU

Submersible Pump

Electric Motor Driven



Models S2F1-E1 115/1, S2F1-E1 230/1,
S2F1-E1 200/3, S2F1-E1 230/3,
S2F1-E1 460/3 and S2F1-E1 575/3

Size 2"



PUMP SPECIFICATIONS

Suction Casing: Ductile Iron No. A536; Maximum Operating Pressure 36 psi (248 kPa).^{*}
Impeller: Ductile Iron No. A536.
Seal Plate: Gray Iron No. 30.
Intermediate: Aluminum Alloy No. 356-T6.
Motor Housing: Aluminum Alloy No. 356-T6.
Rotor Shaft: Stainless Steel Type 17-4 PH.
Bearings: Upper and Lower, Open Single Row Ball Bearing.
Discharge Flange: Aluminum Alloy No. 356-T6.
Gaskets: Cork with Nitrile Binder (NC710).
O-Rings: Buna-N.
Wetted Hardware: Standard Plated Steel and Stainless Steel.
Strainer: Urethane Coated Steel; 47% Open Area, 0.31" (7.9 mm) Diameter 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, Pages 80 and 85.)

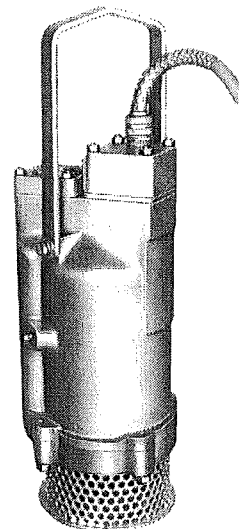
Optional Equipment

- Liquid Level Control:
- Turtle Type Pressure Activated Level Switch. (See Sec. 130, Page 150.)
 - Float Activated Level Switch. (See Sec. 130, Page 150.)

Staging Adapter Kit: Part No. 48272-002.

MOTOR/CABLE SPECIFICATIONS

Motor: Oil Filled Enclosure. 1.0 H.P.; 3450 R.P.M.; 60 Hz.
Single Phase: 115/230 Volt, 15.0/7.5 Full Load AMPS, 1.6 kW (Max.).
Three Phase: 200/230/460/575 Volt, 5.0/4.3/2.2/1.8 Full Load AMPS, 1.4 kW (Max.).
Power Cable: CPE/CSPE Jacket (All).
(115V) Type SOW/SOOW; 10 AWG, 3 Conductor
(200V, 230V, 460V and 575V) Type SOW/SOOW; 14 AWG; 3 Conductor, Plus 1 Ground.
Nominal Length 50 Feet (15 m) Standard.
(Specify Alternate Length at Time of Order.)
Recommended Generator Size: 4 kW.



WARNING!

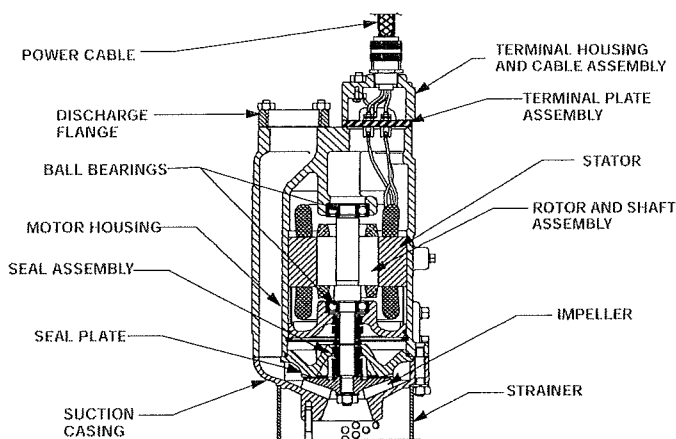
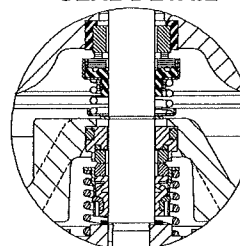
Do not use in explosive atmosphere or for pumping volatile flammable liquids.

SEAL SPECIFICATIONS

Tandem, Oil Lubricated.
Upper: Type 21 Mechanical. Carbon Rotating Face. Ceramic Stationary Face. Buna-N Elastomers. Stainless Steel Type 18-8 Cage and Spring.
Lower: Type 2 Mechanical. Tungsten Carbide Rotating and Stationary Faces. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel Type 316 Cage, Spring and Stationary Seat.

Maximum Temperature of Liquid Pumped 122°F (50°C).^{*}

SEAL DETAIL



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



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Specifications Subject to Change Without Notice

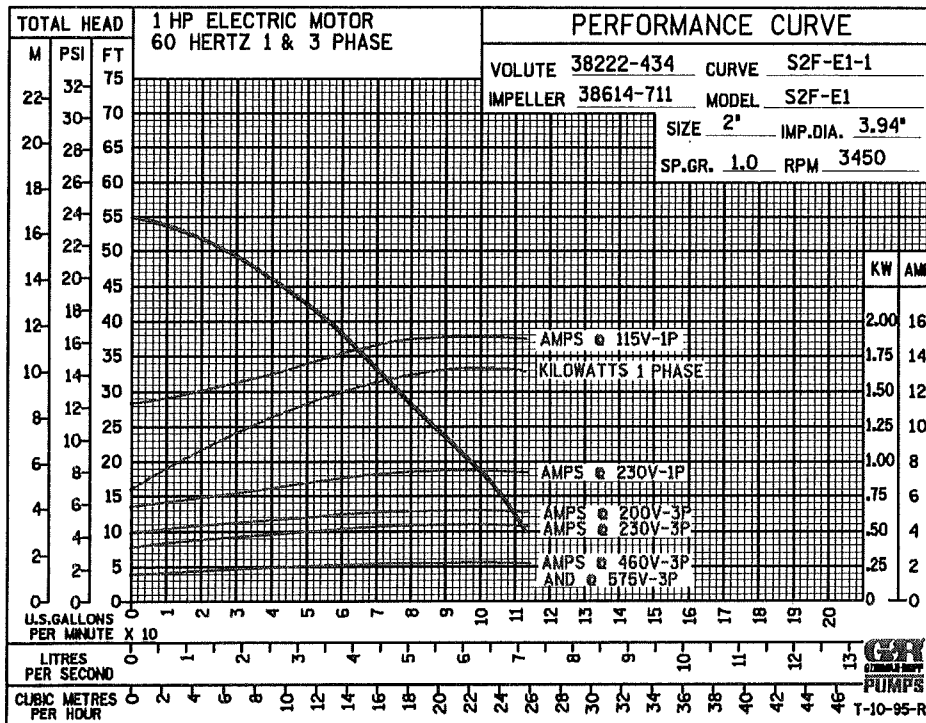
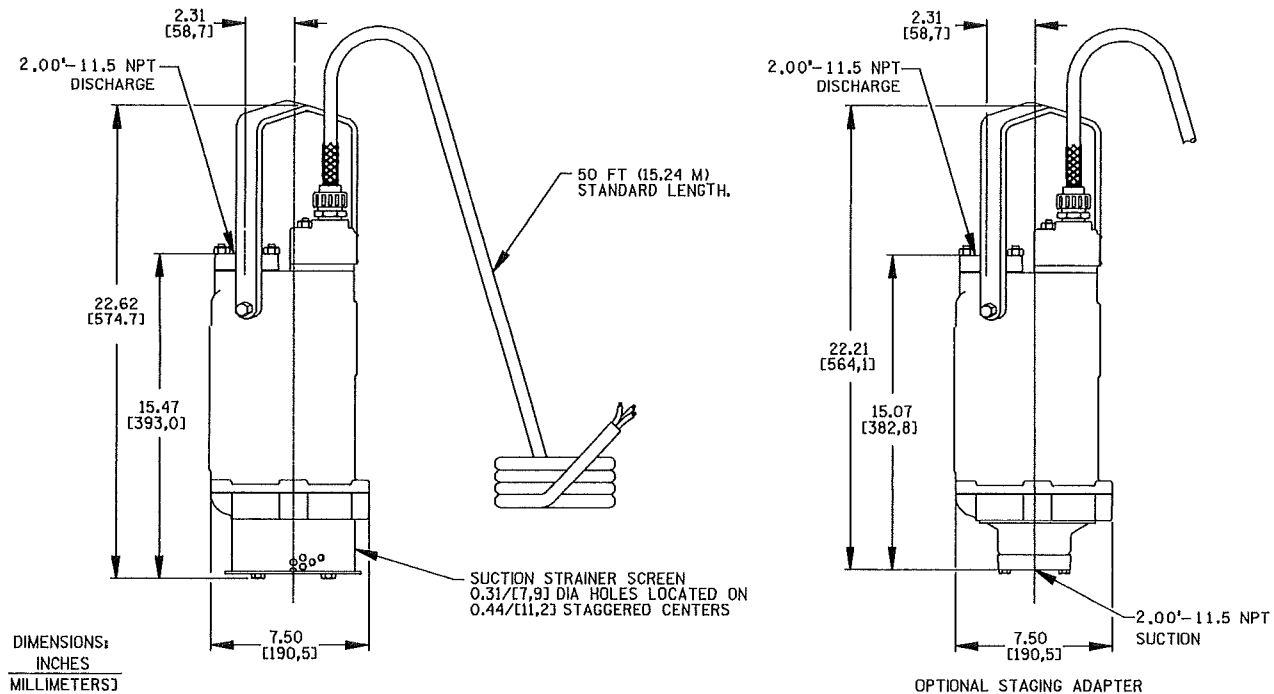
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Specification Data

SECTION 130, PAGE 340

APPROXIMATE
DIMENSIONS and WEIGHTS

NET WEIGHT: 70 LBS. (31,8 KG.)
SHIPPING WEIGHT: 80 LBS. (36,3 KG.)
EXPORT CRATE: 4.2 CU. FT. (0,12 CU. M.)



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