



Electric Motor Driven Submersible Pump

Models S2F1-E1

Size 2"



PUMP SPECIFICATIONS

Suction Casing: Ductile Iron ASTM A536;
Maximum Operating Pressure 36 psi (248 kPa).*

Impeller: Ductile Iron ASTM A536.

Seal Plate: Gray Iron 30.

Intermediate: Aluminum Alloy 356-T6.

Motor Housing: Aluminum Alloy 356-T6.

Motor Shaft: Stainless Steel 17-4 PH.

Bearings: Upper and Lower, Open Single Row Ball Bearing.

Discharge Flange: Aluminum Alloy 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. (See Section 130, Pages 80 and 85.)

Provides On-Off, Circuit Breaker and Motor Overload Protection.

Optional Equipment

Liquid Level Control: (See Sec. 130, Page 150.)

- Turtle Type Pressure Activated Level Switch.
- Float Activated Level Switch.

Staging Adapter Kit.

MOTOR/CABLE SPECIFICATIONS

Motor: Oil Filled Enclosure, 1.0 H.P.; 3450 R.P.M.; 60 Hz.

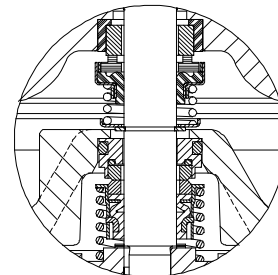
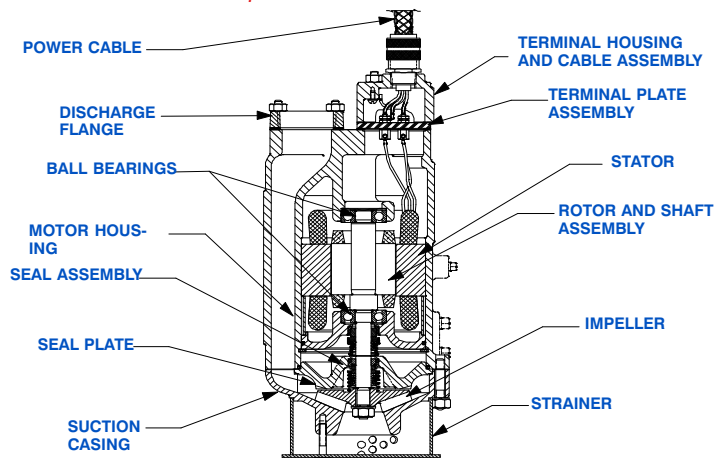
Single Phase: 115/230 Volt, 15.0/7.5 Full Load AMPS, 1.6 kW (Max.).

Three Phase: 200/230/460/575 Volt, 5.0/4.3/2.2/1.8 Full Load AMPS,
1.4 kW (Max.).

Power Cable: (115V/230V 1P) 4 Wire; Type SO/SOW/SOOW/SEOW/SEOOW;
10 AWG; 3 Power Conductors, Plus 1 Ground.
(200V/230V/460V/575V 3P) 4 Wire Type SO/SOW/SOOW/SEOW/SEOOW;
14 AWG; 3 Power Conductors, Plus 1 Ground.
Nominal Length 50 Feet (15 m) Standard.
(Specify Alternate Length at Time of Order.)

Recommended Generator Size: 4 kW Across the Line Start.

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



SEAL SPECIFICATIONS

Tandem, Oil Lubricated.

Upper: Type 21 Mechanical. Carbon Rotating Face. Ceramic Stationary Face. Buna-N Elastomers. Stainless Steel 18-8 Cage and Spring.

Lower: Type 2 Mechanical. Tungsten Carbide Rotating and Stationary Faces. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 316 Cage, Spring and Stationary Seat.

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



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Specifications Subject to Change Without Notice

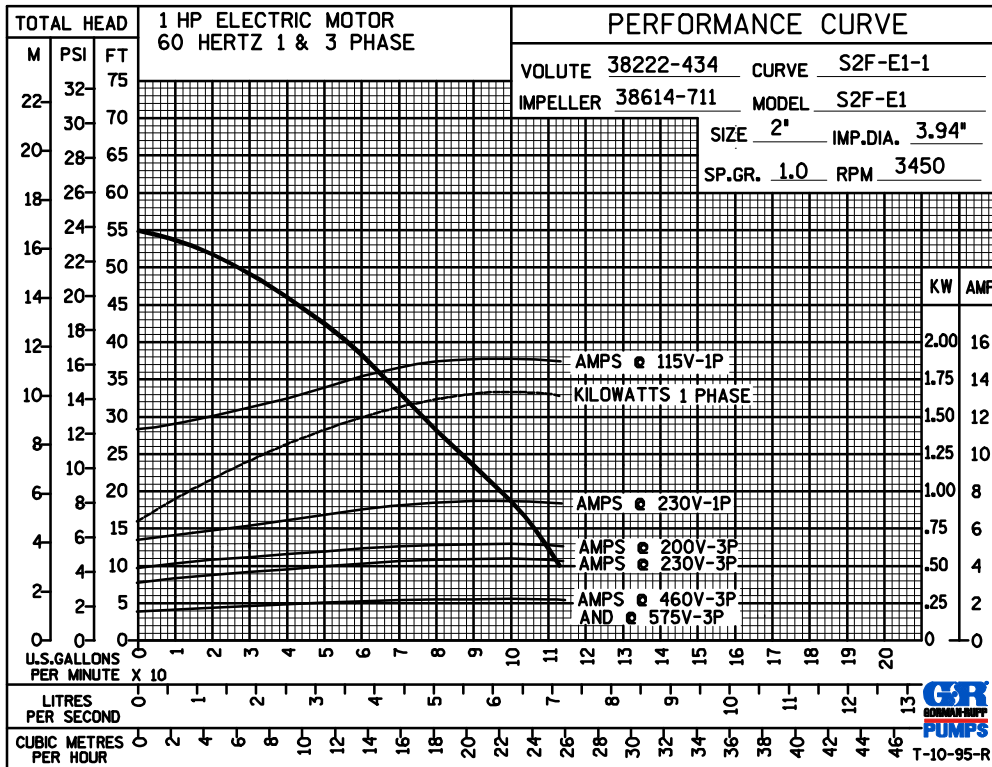
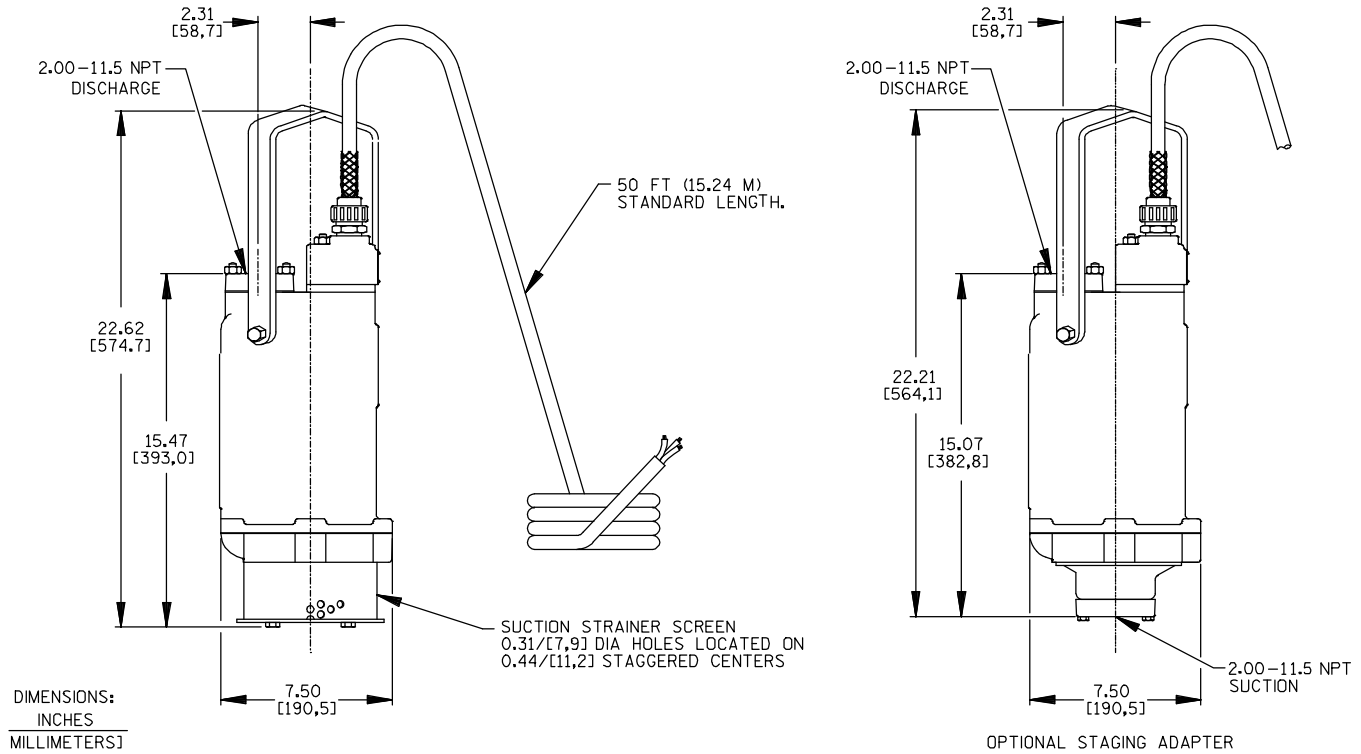
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Specification Data

SECTION 130, PAGE 340

APPROXIMATE
DIMENSIONS and WEIGHTS

NET WEIGHT: 62 LBS. (28,1 KG.)
SHIPPING WEIGHT: 86 LBS. (39,0 KG.)
EXPORT CRATE: 4.2 CU. FT. (0,12 CU. M.)



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