

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.)

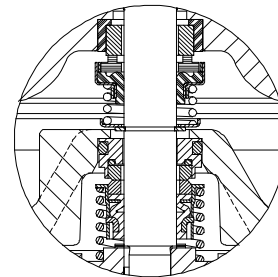
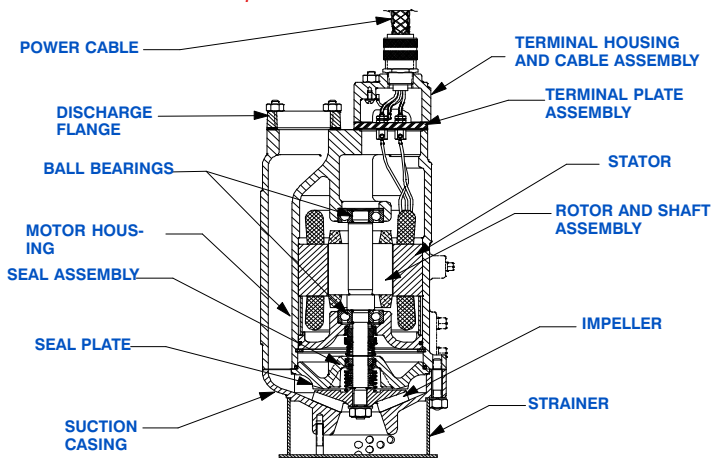
a. Turtle Type Pressure Activated Level Switch.

b. 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

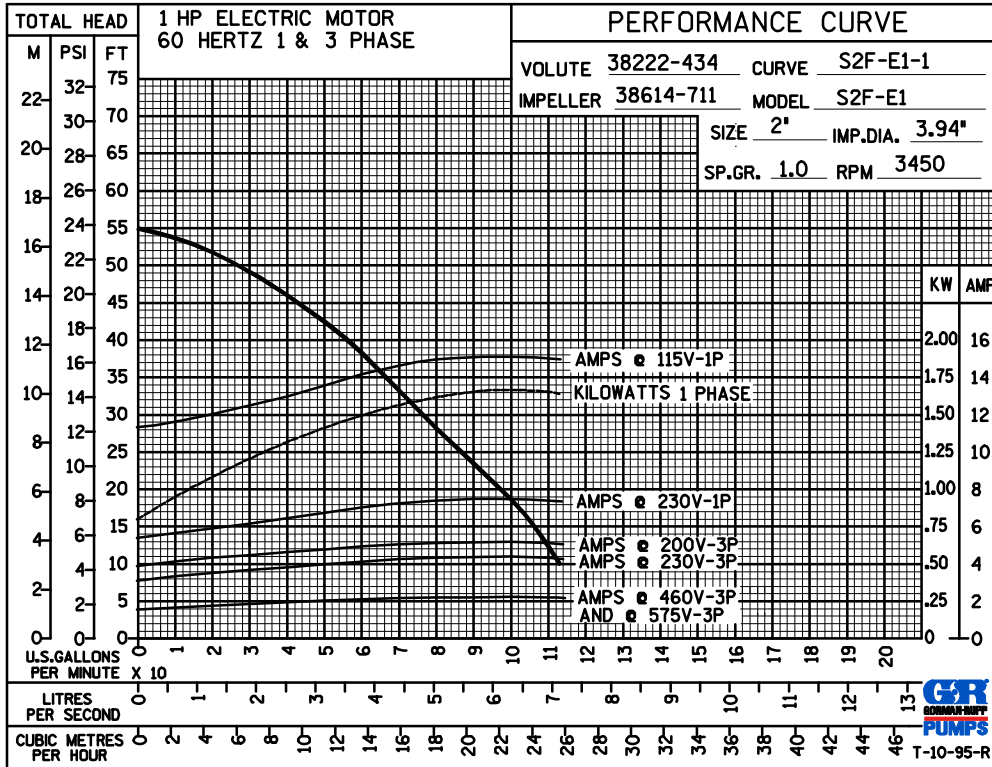
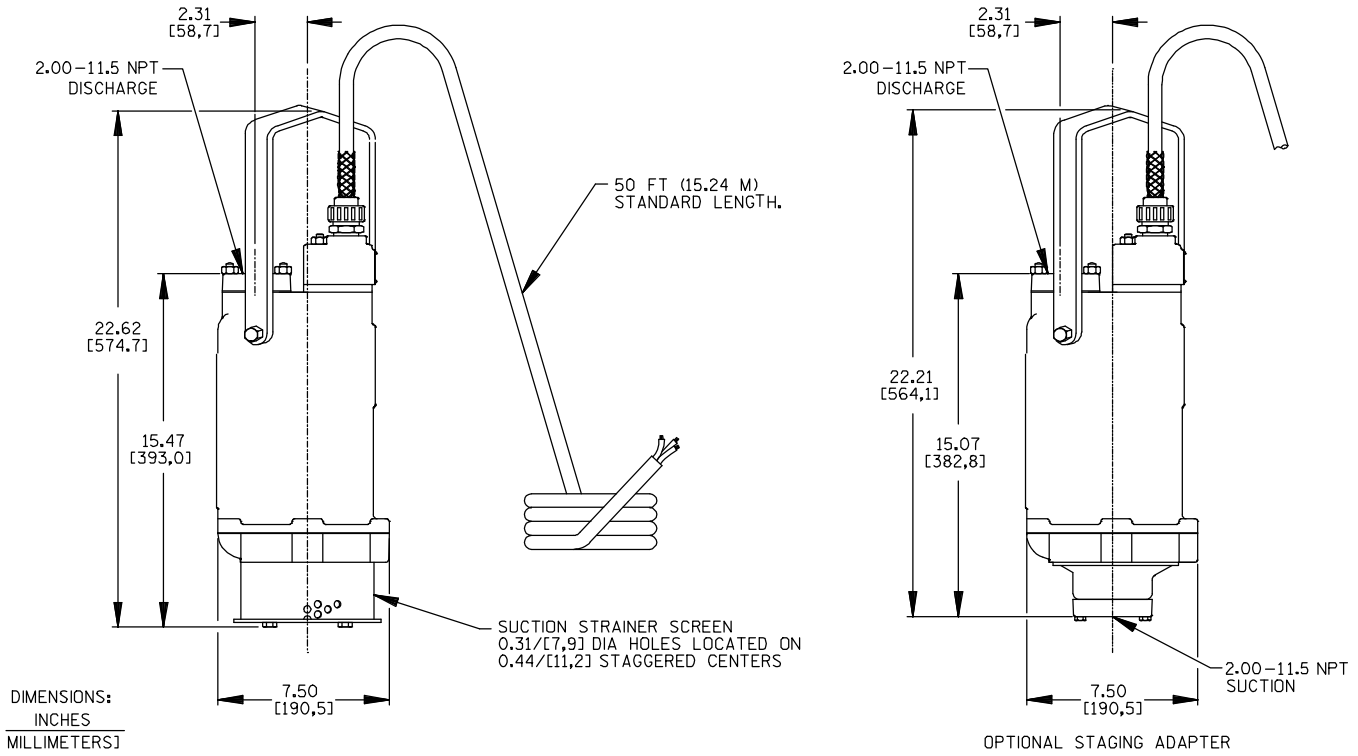
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Specification Data

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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