



# Electric Motor Driven Submersible Pump

## Models S2E1-E3.5 and S2E1

### Size 2"

**PUMP SPECIFICATIONS****Suction Casing:** Gray Iron 30;

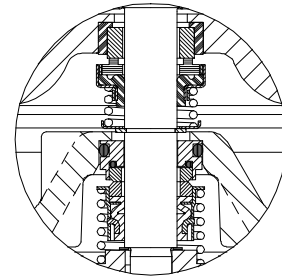
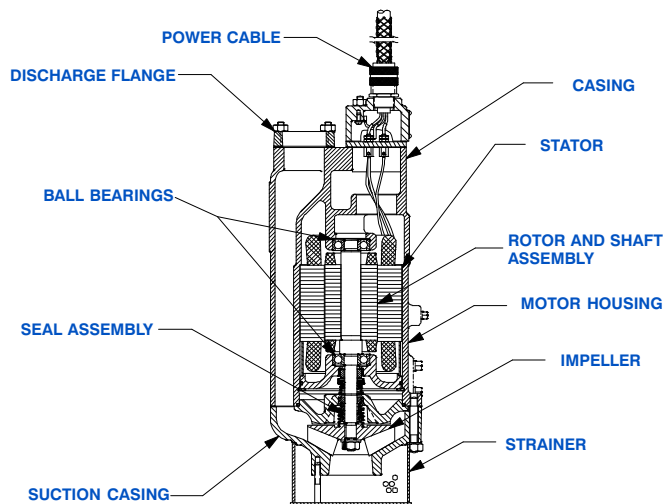
Maximum Operating Pressure 47 psi (324 kPa).\*

**Impeller:** Manganese Bronze Alloy C86500.**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.**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. 3.5 H.P.; 3450 R.P.M.; 60 Hz. Three Phase,  
200/230/460/575 Volt, 10.4/9.0/4.5/3.6 Full Load AMPS, 3.2 kW (Max.)**Power Cable:** (200V/230V/460V) 4 Wire; Type SO/SOW/SOOW/SEOW/  
SEOOW; 10 AWG; 3 Power Conductors, Plus 1 Ground.(575V) 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:** 6 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

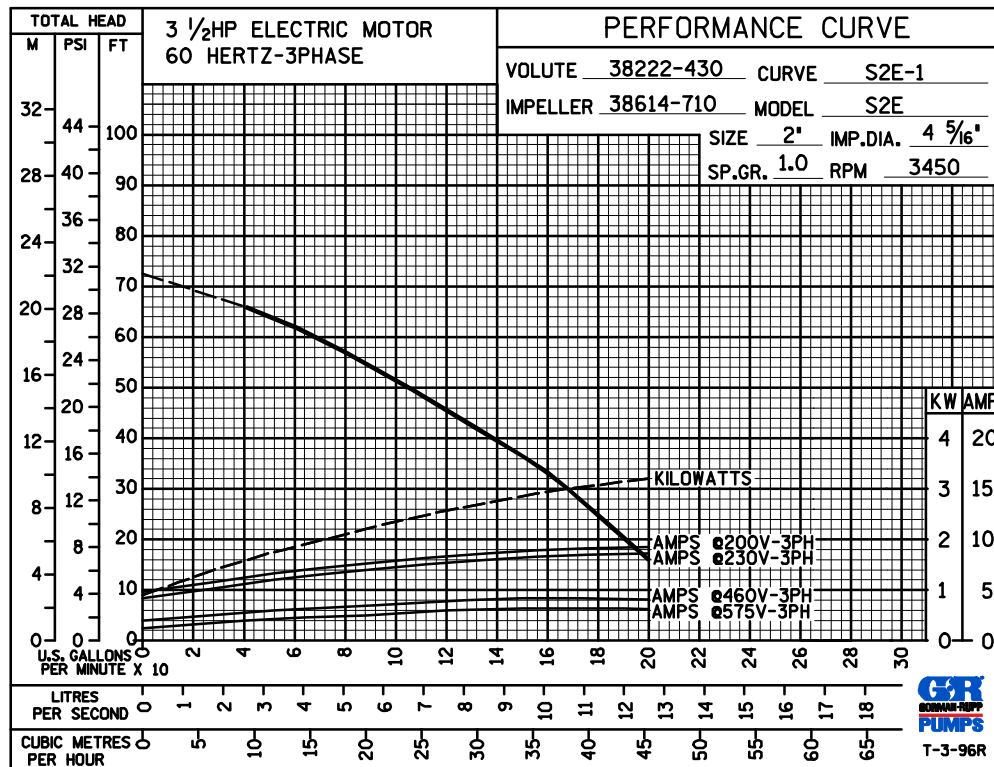
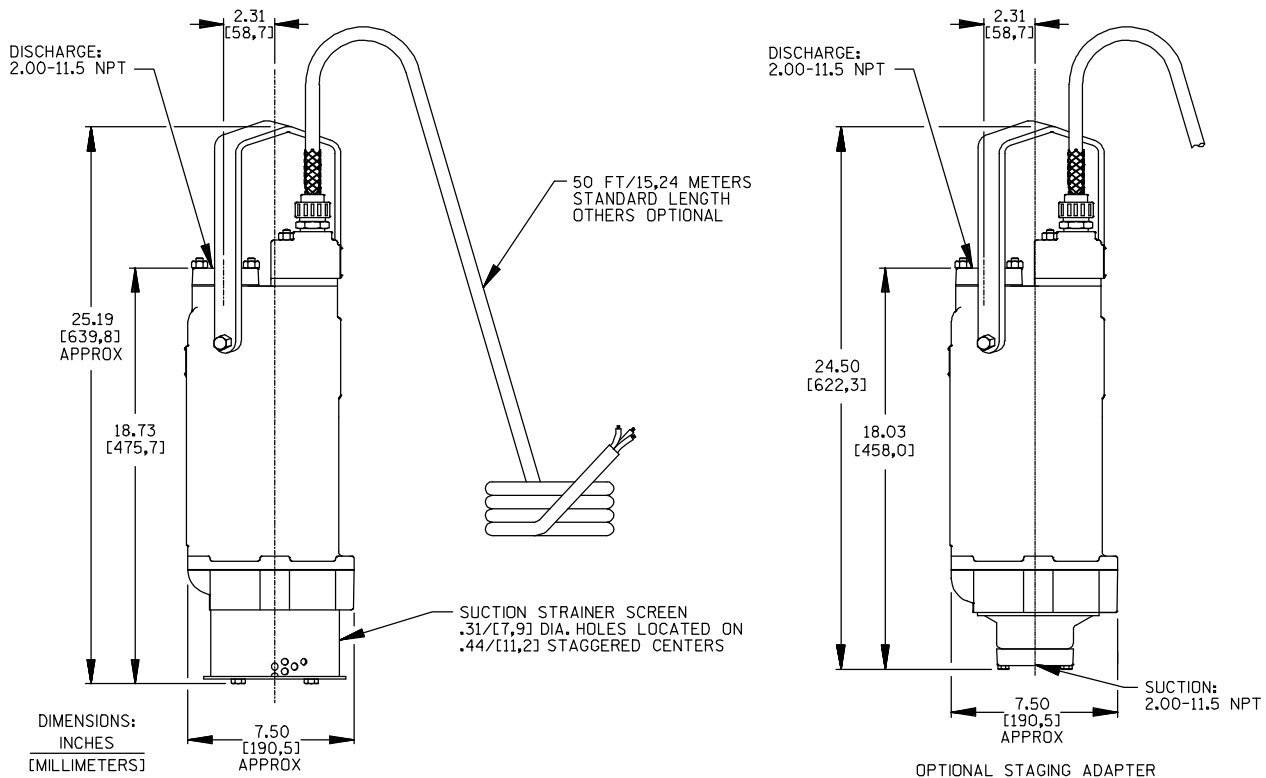
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# Specification Data

SECTION 130, PAGE 480

APPROXIMATE  
DIMENSIONS and WEIGHTS

NET WEIGHT: 86 LBS. (39,0 KG.)  
SHIPPING WEIGHT: 106 LBS. (48,1 KG.)  
EXPORT CRATE: 5.0 CU. FT. (0,14 CU. M.)



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