

F

Submersible Pump

Electric Motor Driven



Models S2F1-KW1.1 1/50/220
and S2F1-KW1.1 3/50/380

Size 2"

PUMP SPECIFICATIONS

- Suction Casing:** Ductile Iron No. A536; Maximum Operating Pressure 25 psi (172 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:

- a. Turtle Type Pressure Activated Level Switch. (See Sec. 130, Page 150)
- b. Float Activated Level Switch. (See Sec. 130, Page 150.)

Staging Adapter Kit: Part No. 48272-002.

MOTOR/CABLE SPECIFICATIONS

- Motor:** Oil Filled Enclosure. 1.1 kW; 2900 R.P.M.; 50 Hz.
- Single Phase:** 220 Volt, 6 Full Load AMPS, 1.1 kW (Max.).
- Three Phase:** 380 Volt, 1.8 Full Load AMPS, 1.1 kW (Max.).
- Power Cable:** CPE/CSPE Jacket. 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.



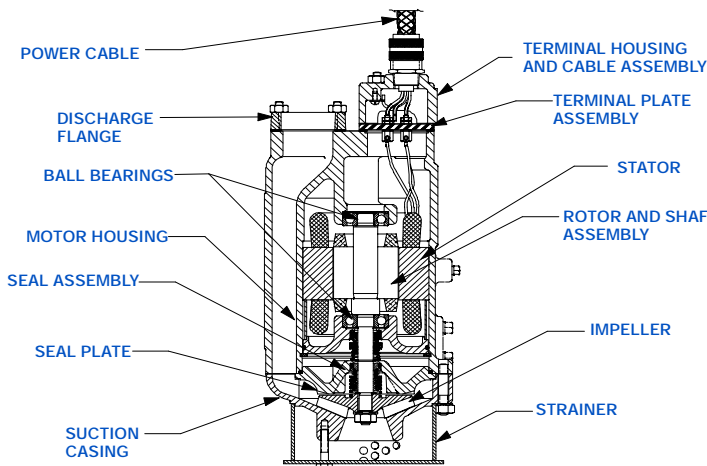
WARNING!

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

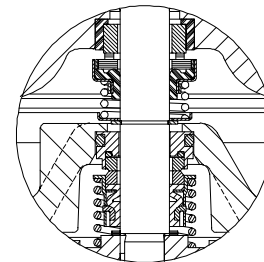
SEAL SPECIFICATIONS

- 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.



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

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Specifications Subject to Change Without Notice

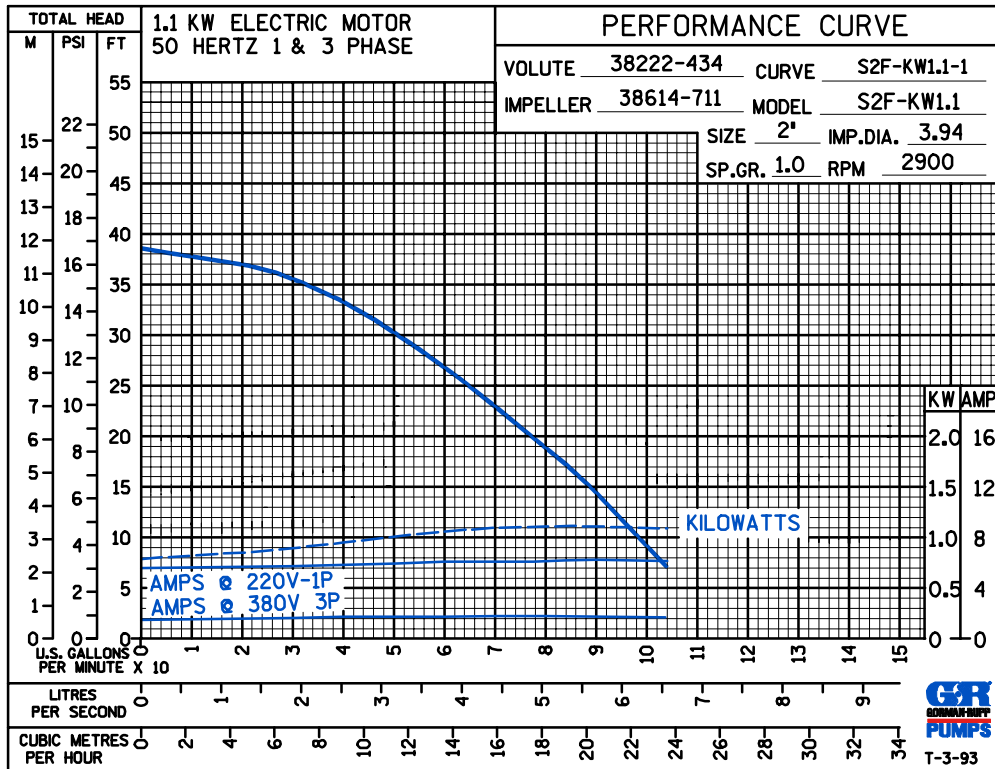
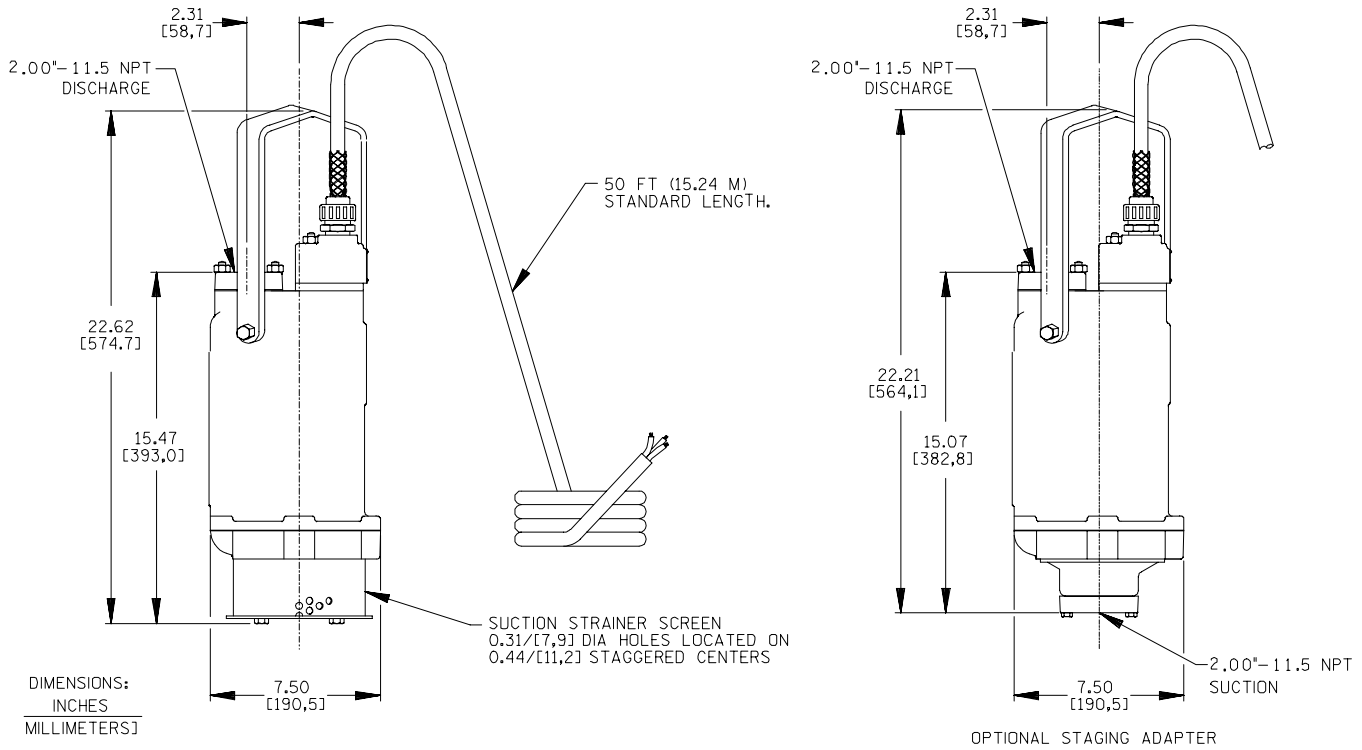
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Specification Data

SECTION 130, PAGE 360

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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