Electric Motor Driven

Submersible Pump

Models

S2E1-3.5 230/3, S2E1-3.5 460/3
S2E1-3.5 575/3

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

Optional Equipment

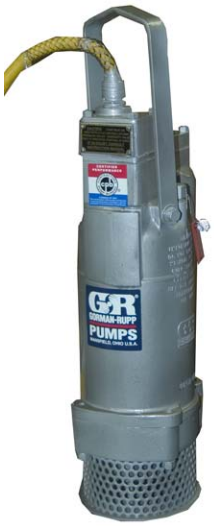
Liquid Level Control: *(See Sec. 130, Page 150.)*
a. Float Activated Level Switch.

Staging Adapter Kit.

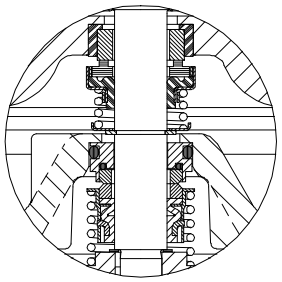
MOTOR/CABLE SPECIFICATIONS

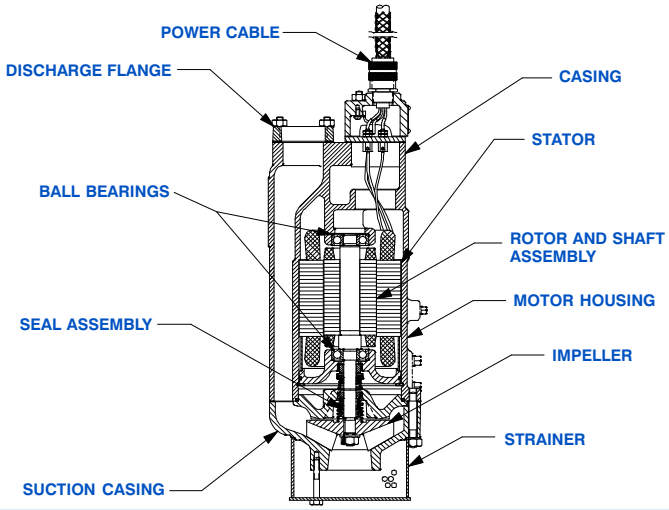
Motor: Oil Filled Enclosure. 3.5 H.P.; 3450 R.P.M.; 60 Hz. Three Phase, 230/460/575Volt, 9.0/4.5/3.6 Full Load AMPS, 3.2 kW (Max.)
Power Cable: (230V/460V) 4 Wire; Type SO/SOW/SOOW/SEOW/SEOOW; 10 AWG; 3 Power Conductors, Plus 1 Ground.
(575V) 4 Wire; Type SO/SOW/SOOW/SEOW/SEOOW; 14 AWG; 3 Power Conductors, 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.*



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 18-8 Cage and Spring.

Lower: Type 2 Mechanical. Tungsten Carbide Rotating and Stationary Faces. Buna-N Elastomers. Stainless Steel 316 Cage, Spring and Stationary Seat.

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

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Specification Data

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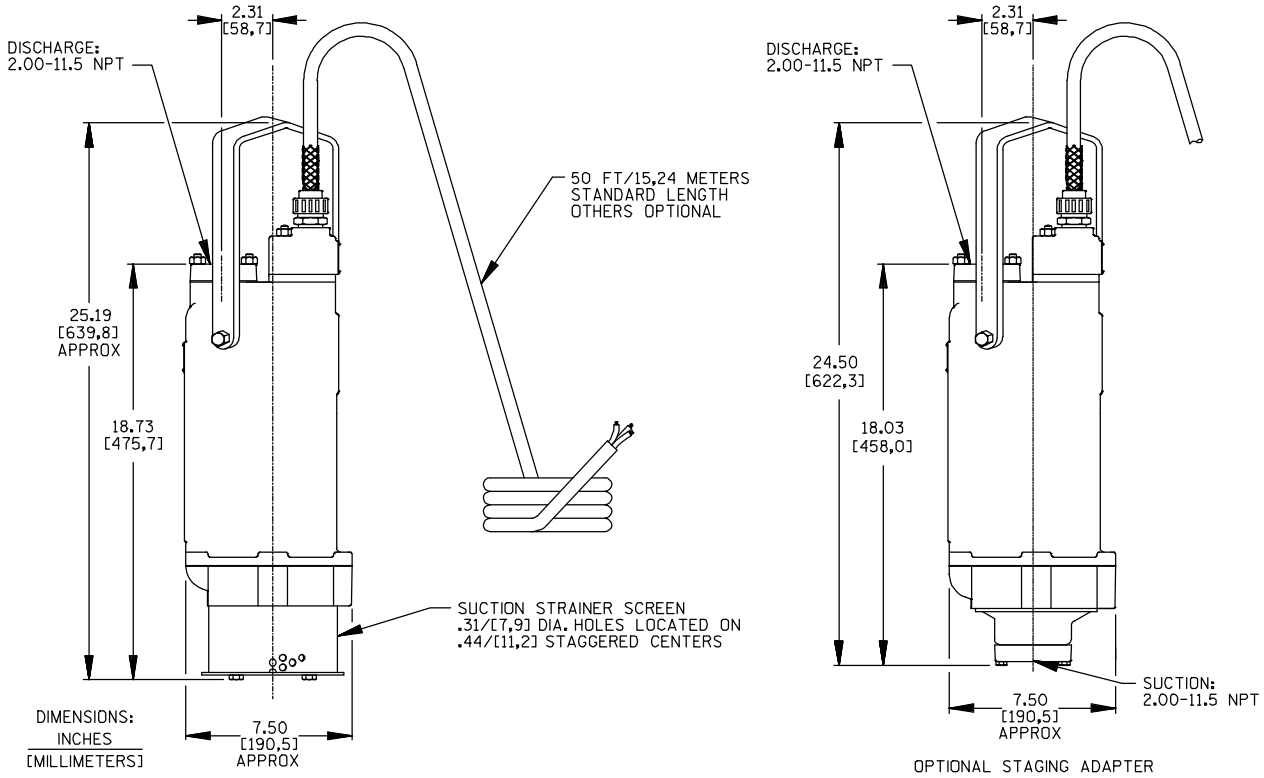
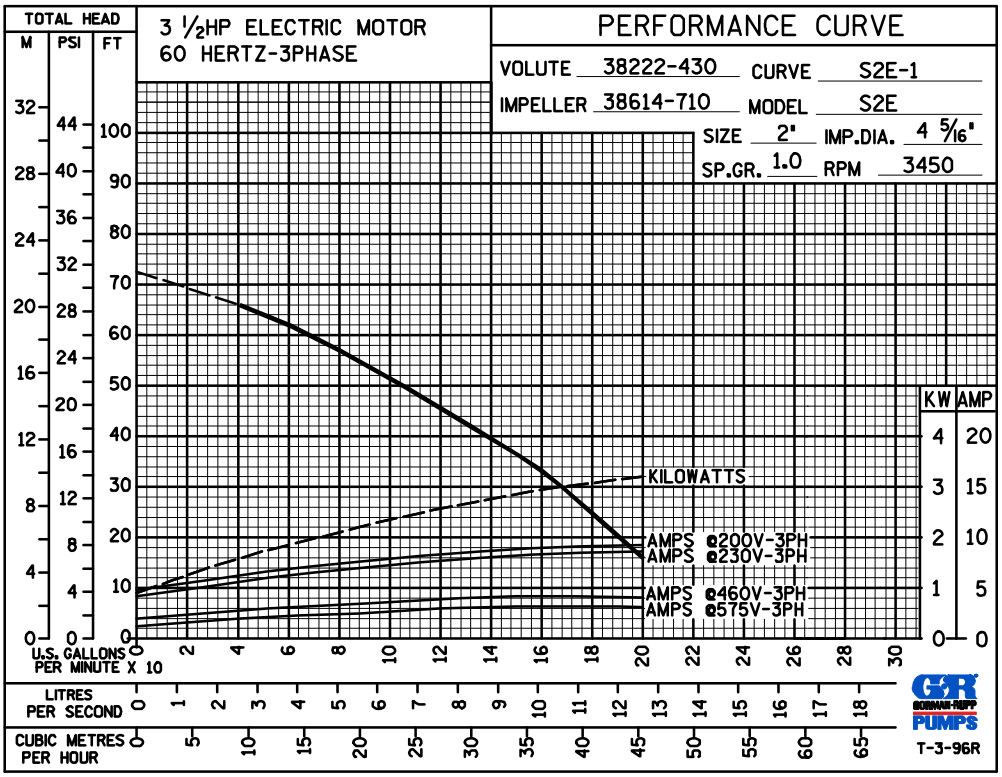
APPROXIMATE
DIMENSIONS and WEIGHTS

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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Specifications Subject to Change Without Notice

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