



# Submersible Pump

## Model S4D1-E10

### Size 4"



#### PUMP SPECIFICATIONS

**Diffuser:** G-R Hard Iron;

Maximum Operating Pressure 108 psi (747 kPa).\*

**Impeller:** G-R Hard Iron.

**Wear Plate:** Carbon Steel ASTM A36.

**Seal Plate:** G-R Hard Iron.

**Intermediate:** Aluminum Alloy 356-T6.

**Casing:** Aluminum Alloy 6061-T6 with Chromicoat.

**Motor Housing:** Aluminum Alloy 356-T6.

**Motor Shaft:** Stainless Steel Type 416.

**Shaft Sleeve:** Stainless Steel Type 304.

**Bearings:** Upper - Open Single Row Ball Bearing.  
Lower - Two Synthetic Seals, Double 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; 50.6% Open Area,  
0.375" (9.5 mm) Diameter Openings.

**Hoisting Bail:** Urethane Coated Steel.

#### Standard Equipment

**NEMA Type 3R Rainproof Control Box.** *(See Section 130, Page 90.)*

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; 10.0 H.P.; 3450 R.P.M.; Three Phase:  
200/230/460/575 Volt, 60 Hz, 39/34/17/13.6 Full Load AMPS, 12.2 kW (Max.)

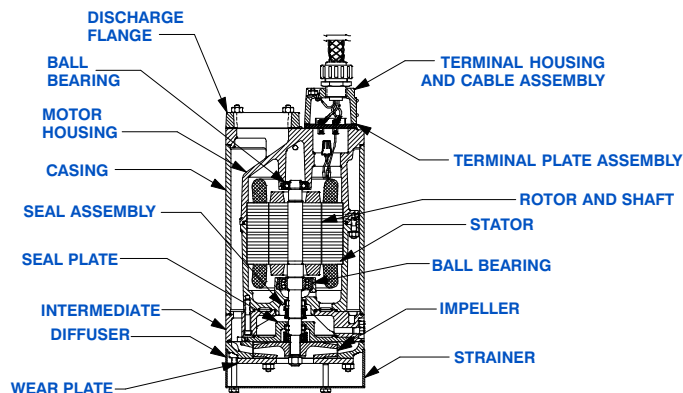
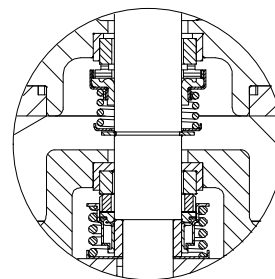
#### Power Cable:

**200/230/460 Volt:** 6 Wire; Type GGC; 8 AWG. 3 Power Conductors,  
2 Ground Conductor and 1 Ground Check.

**575 Volt:** 4 Wire; Type SO/SOW/SOOW; 10 AWG; 3 Power Conductors,  
Plus 1 Ground. Nominal Length 50 Feet (15 m). Standard.  
*(Specify Alternate Length at Time of Order.)*

**Recommended Generator Size:** 15 kW Across the Line Start.

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



#### SEAL DETAIL

Tandem, Oil Lubricated.

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

**Lower Seal:** Type 2, Mechanical. Tungsten Titanium Carbide Rotating Face and Silicon Carbide Stationary Face. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 303/304 Cage and Spring.  
Maximum Temperature of Liquid Pumped, 122°F (50°C).\*



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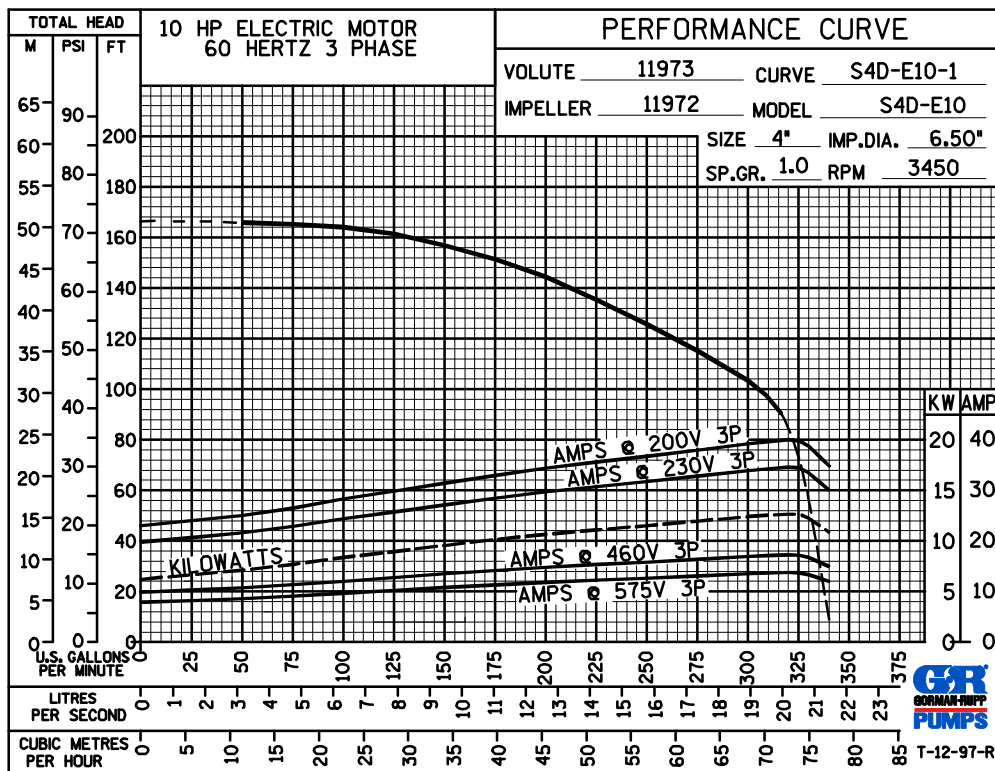
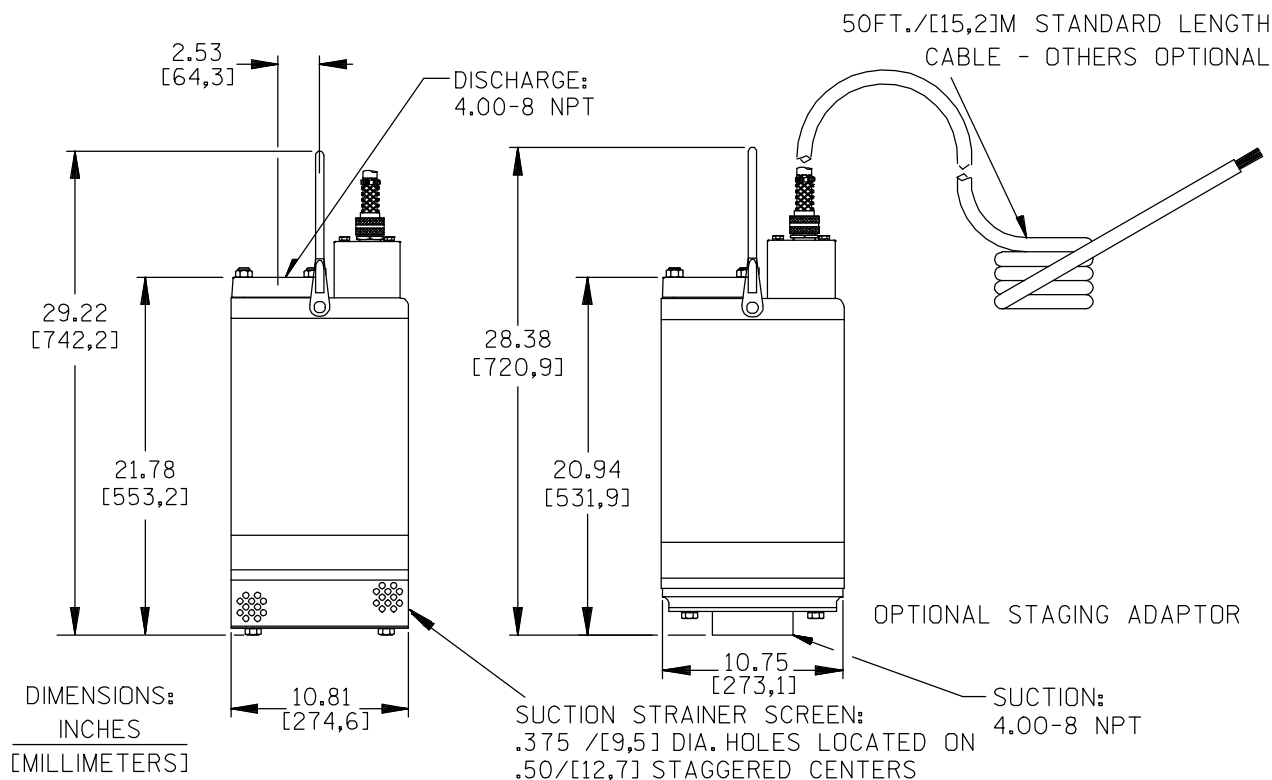
## Specification Data

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APPROXIMATE  
DIMENSIONS and WEIGHTS

NET WEIGHT:  
SHIPPING WEIGHT:  
EXPORT CRATE:

242 LBS. (110 KG.)  
257 LBS. (117 KG.)  
11.3 CU. FT. (0,32 CU. M.)



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