



# Electric Motor Driven Submersible Pump Model S6D1-E30



Size 6"

**PUMP SPECIFICATIONS**

- Diffuser:** G-R Hard Iron;  
Maximum Operating Pressure 95 psi (655 kPa).\*
- Impeller:** G-R Hard Iron.
- Suction Head:** Gray Iron 30.
- Seal Plate:** G-R Hard Iron.
- Motor Housing:** Aluminum Alloy 356-T6.
- Wear Ring:** Copper Alloy 83600.
- Motor Shaft:** Stainless Steel 17-4PH.
- Bearings:** Upper - Two Synthetic Seals, Single Row Ball Bearing.  
Lower - Two Shields, Double Row Ball Bearing.
- Discharge Flange:** Gray Iron 30.
- Gaskets:** Cork with Nitrile Binder (NC710).
- O-Rings:** Buna-N.
- Wetted Hardware:** Standard Plated Steel and Stainless Steel.
- Strainer:** Urethane Coated Steel; 48% Open Area,  
0.50" (12,7 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.

**Staging Adapter.**

**Optional Equipment**

**Liquid Level Control:** *(See Sec. 130, Page 150.)*

- a. Turtle Type Pressure Activated Level Switch.
- b. Float Activated Level Switch.

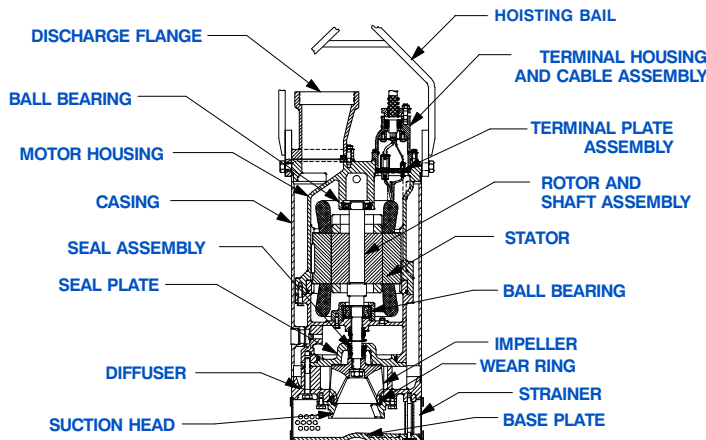
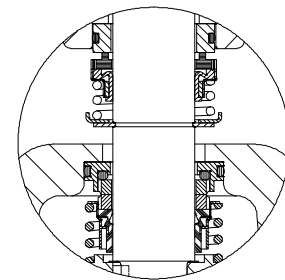
**MOTOR/CABLE SPECIFICATIONS**

**Motor:** Air Filled Enclosure with Thermal Overload Protection; 30.0 H.P.; 3450 R.P.M.; Three Phase: 460/575 Volt, 60 Hz, 38.5/30.8 Full Load AMPS, 27.8 kW (Max.)

**Power Cable:** 9 Wire: Type SPC; (3) 8 AWG. Power Conductors, (1) 6 AWG. Ground Conductor, (4) 14 AWG. Control Conductors and (1) 8 AWG. Ground Check. Nominal Length 50 Feet (15 m). Standard. *(Specify Alternate Length at Time of Order.)*

**Recommended Generator Size:** 60 kW Across-the-Line Start.  
40 kW for Reduced Voltage Starting.

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



**SEAL DETAIL**

Tandem, Oil Lubricated.

**Upper Seal:** Type 21, Mechanical. Carbon Rotating Face. Ni-Resist Stationary Face. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 18-8 Cage and Spring.

**Lower Seal:** Type 2, Mechanical. Silicon Carbide Rotating Face and Tungsten Titanium Carbide Stationary Face. Stainless Steel 316 Stationary Seat. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 18-8 Cage and Spring.

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



GORMAN-RUPP PUMPS

www.grpumps.com

Specifications Subject to Change Without Notice

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