



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.

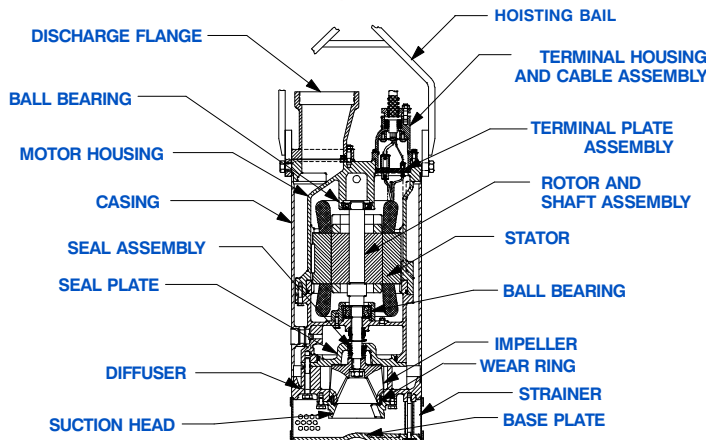
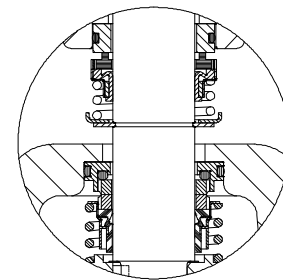
MOTOR/CABLE SPECIFICATIONS

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).*



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Specifications Subject to Change Without Notice

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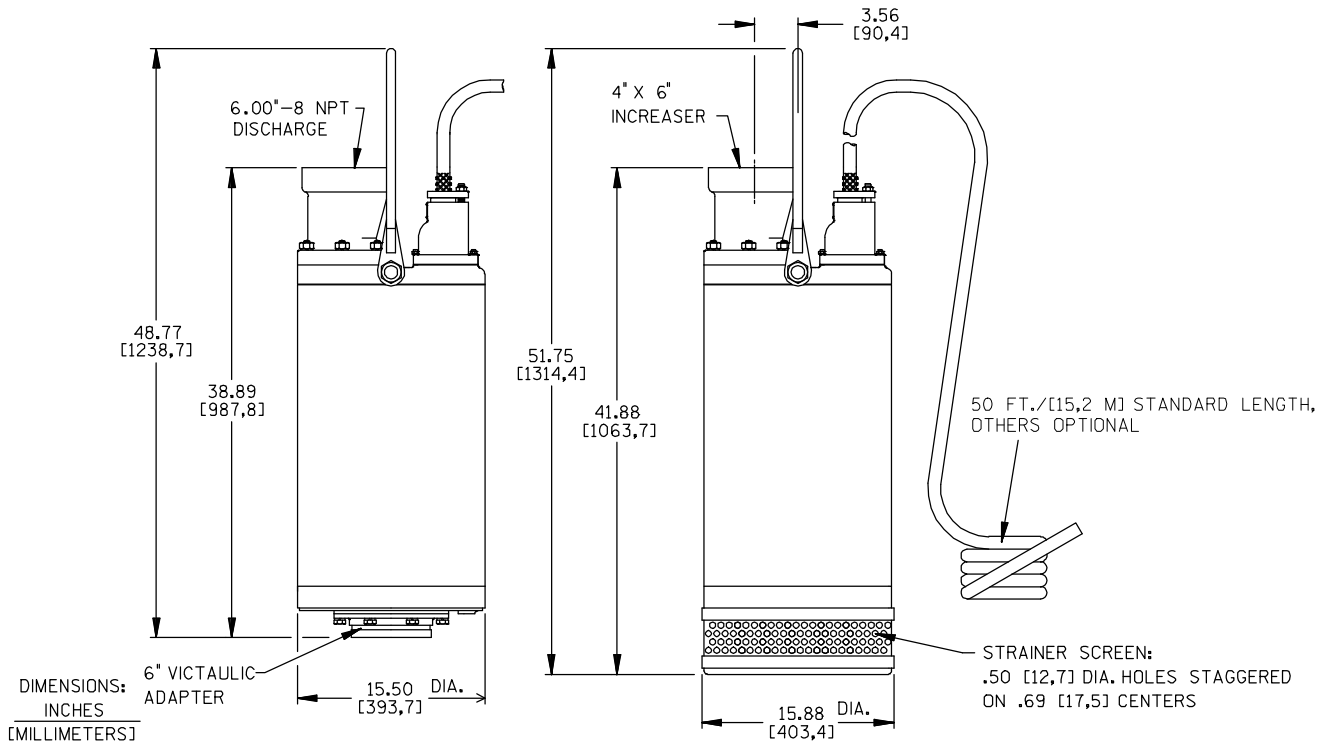
Specification Data

SECTION 130, PAGE 1300C

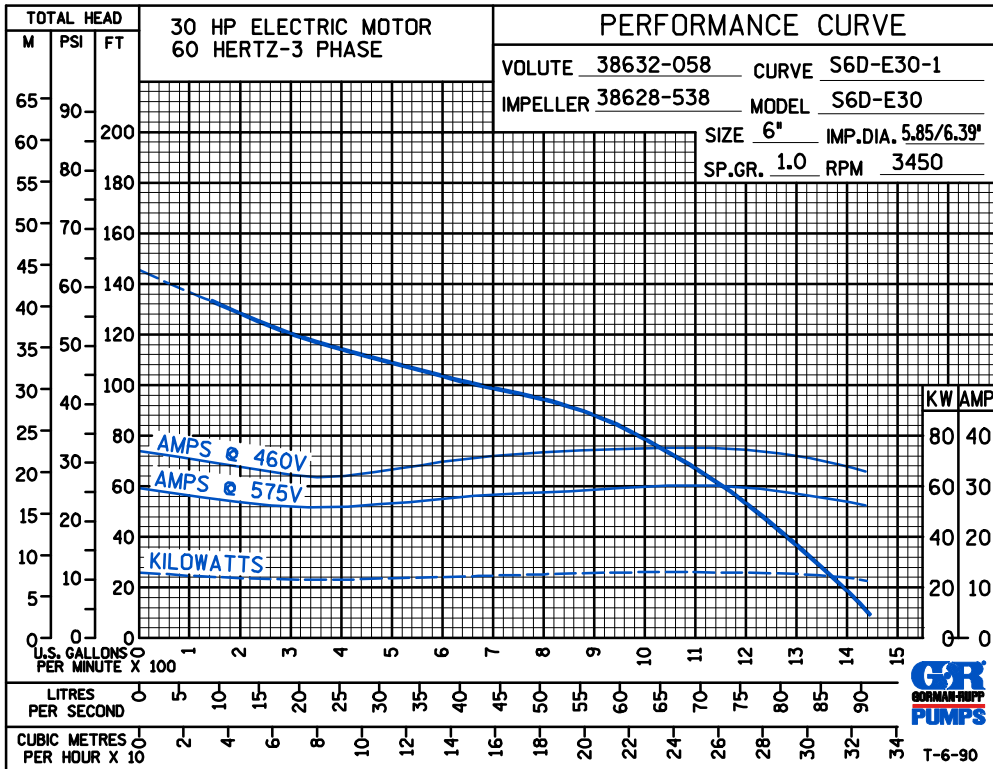
APPROXIMATE DIMENSIONS and WEIGHTS

NET WEIGHT:
SHIPPING WEIGHT:
EXPORT CRATE:

570 LBS. (259 KG.)
615 LBS. (279 KG.)
10.2 CU. FT. (0,29 CU. M.)



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