



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.)

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

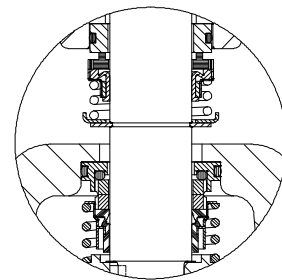
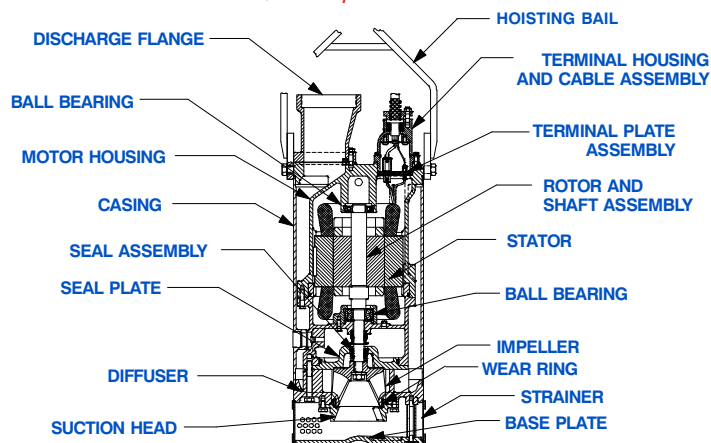
MOTOR/CABLE SPECIFICATIONS

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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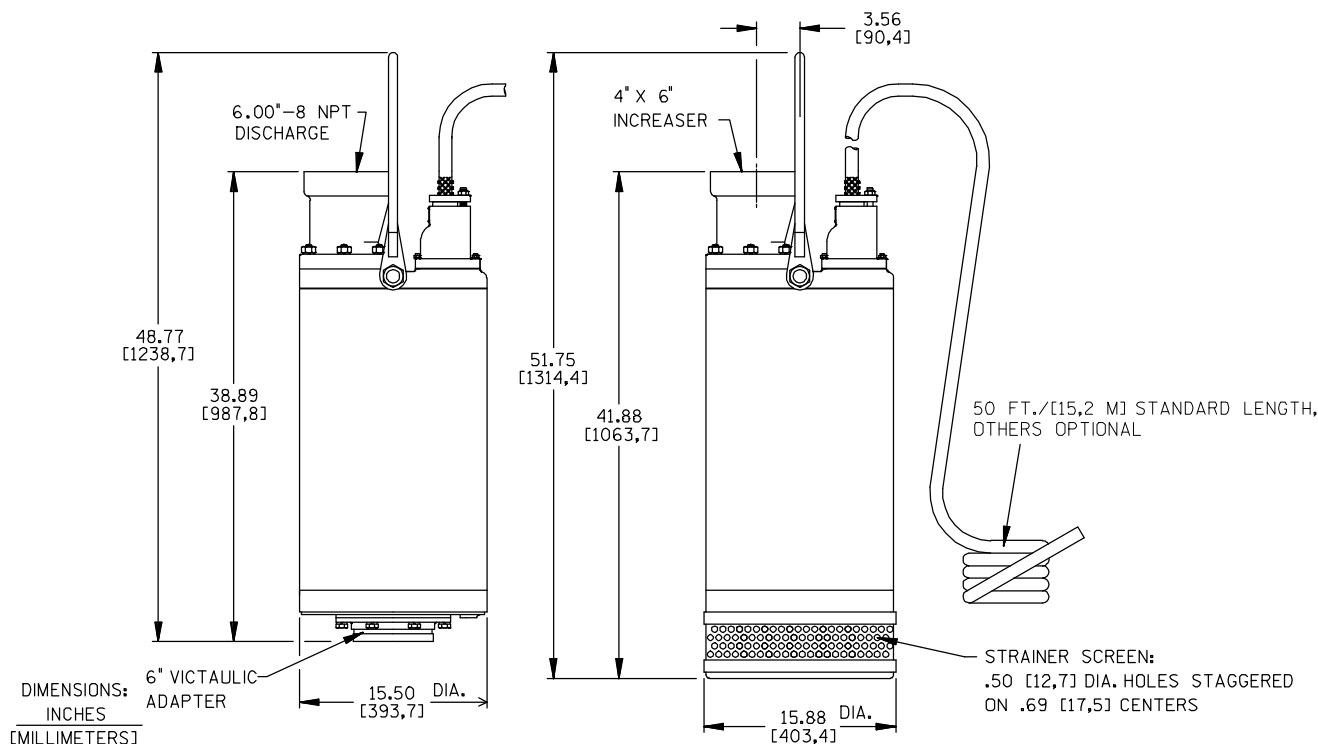
Specification Data

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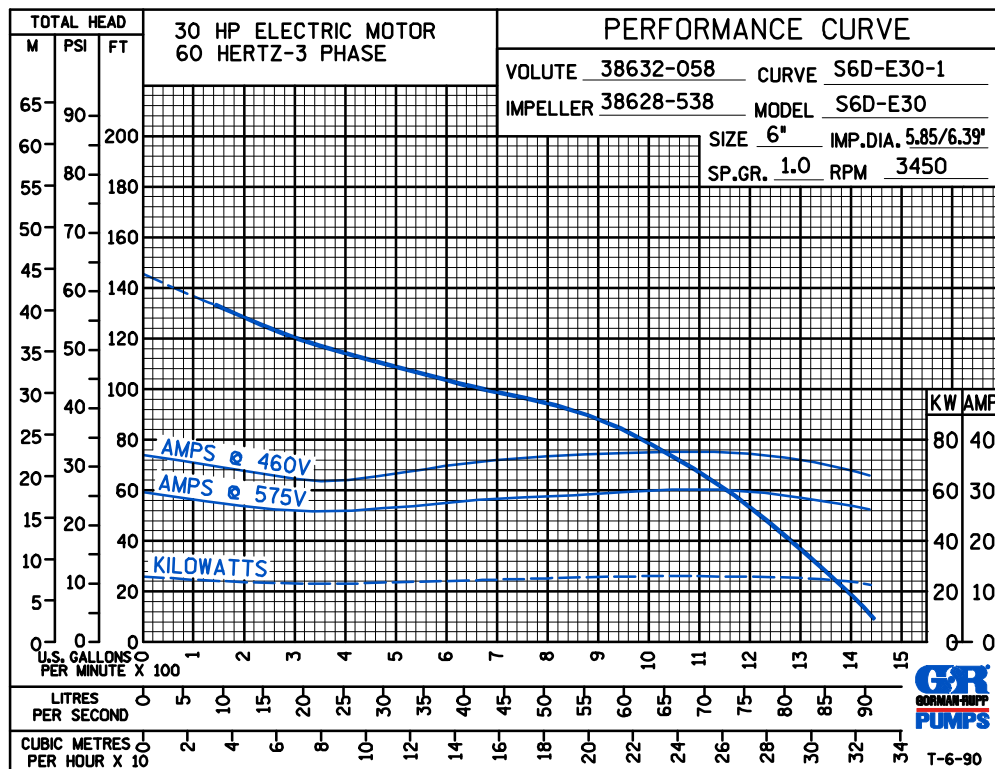
APPROXIMATE
DIMENSIONS and WEIGHTS

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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