



# Submersible Pump

## Model S4J1-E60

### Size 4"



#### PUMP SPECIFICATIONS

**Diffuser:** Aluminum Alloy 356-T6 w/Urethane Bonded Lining.

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

**Adjustable Suction Head:** Aluminum Alloy 356-T6 w/Urethane Bonded Lining. Maximum Operating Pressure 252 psi (1738 kPa).\*

**Seal Plate:** Aluminum Alloy 356-T6 w/Urethane Bonded Lining.

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

**Motor Shaft:** Stainless Steel 17-4 PH.

**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.

**Base Plate:** Aluminum Alloy 356-T6.

**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.

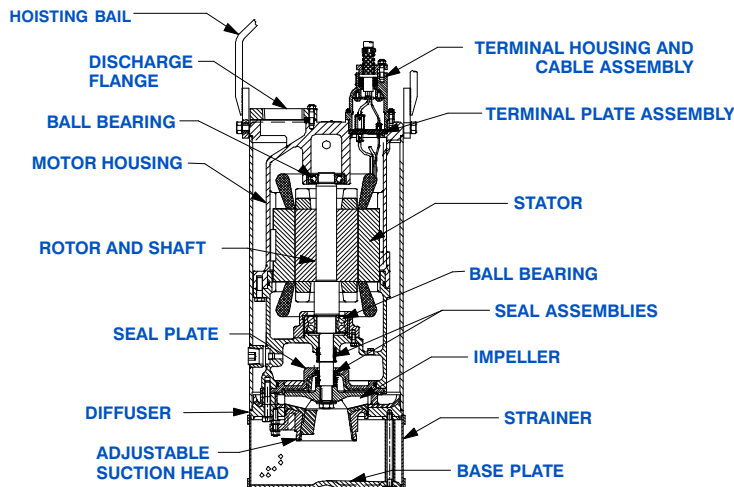
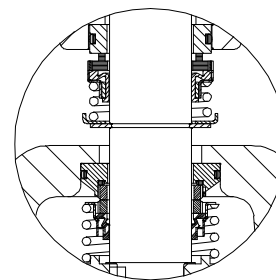
#### MOTOR/CABLE SPECIFICATIONS

**Motor:** Air Filled Enclosure with Thermal Overload Protection; 60 H.P.; 3450 R.P.M. Three Phase, 460/575 Volt, 60 Hz, 66.0/52.8 Full Load AMPS, 48 kW (Max.).

**Power Cable:** 9 Wire; Type SPC; (3) 6 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:** 150 kW Across the Line Start.  
75 kW for Reduced Voltage Starting.

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



#### SEAL SPECIFICATIONS

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

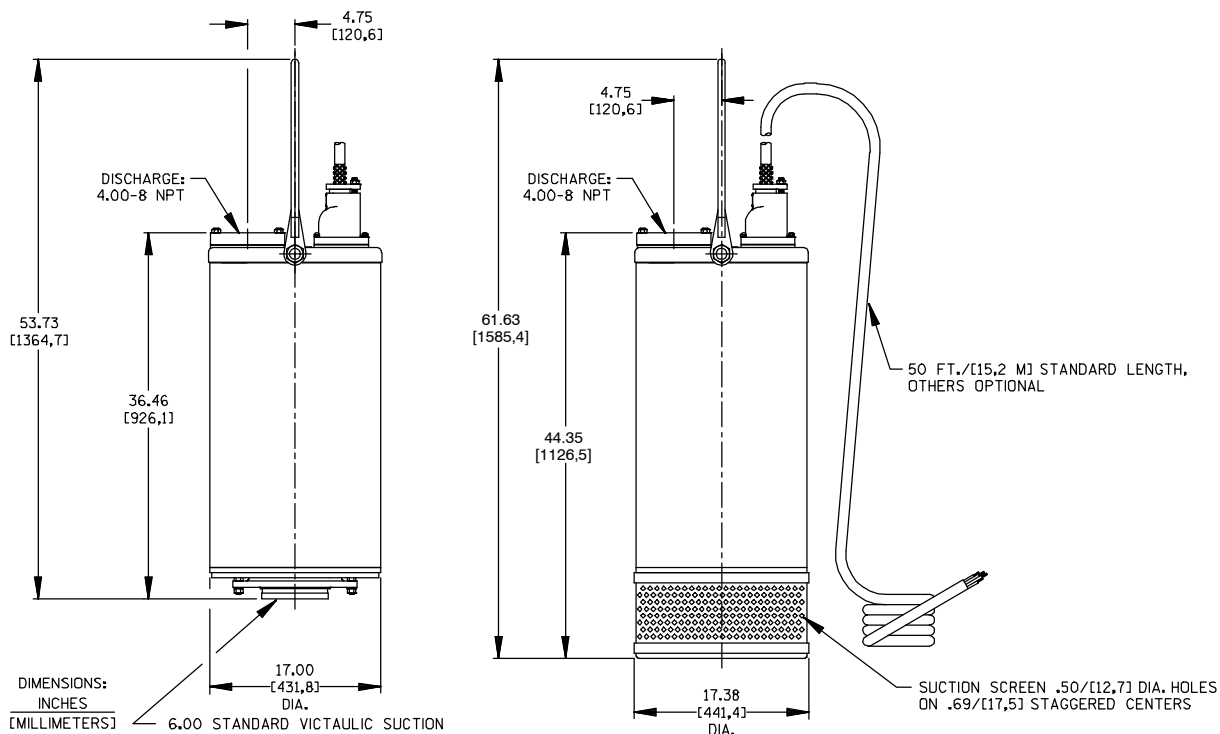
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## Specification Data

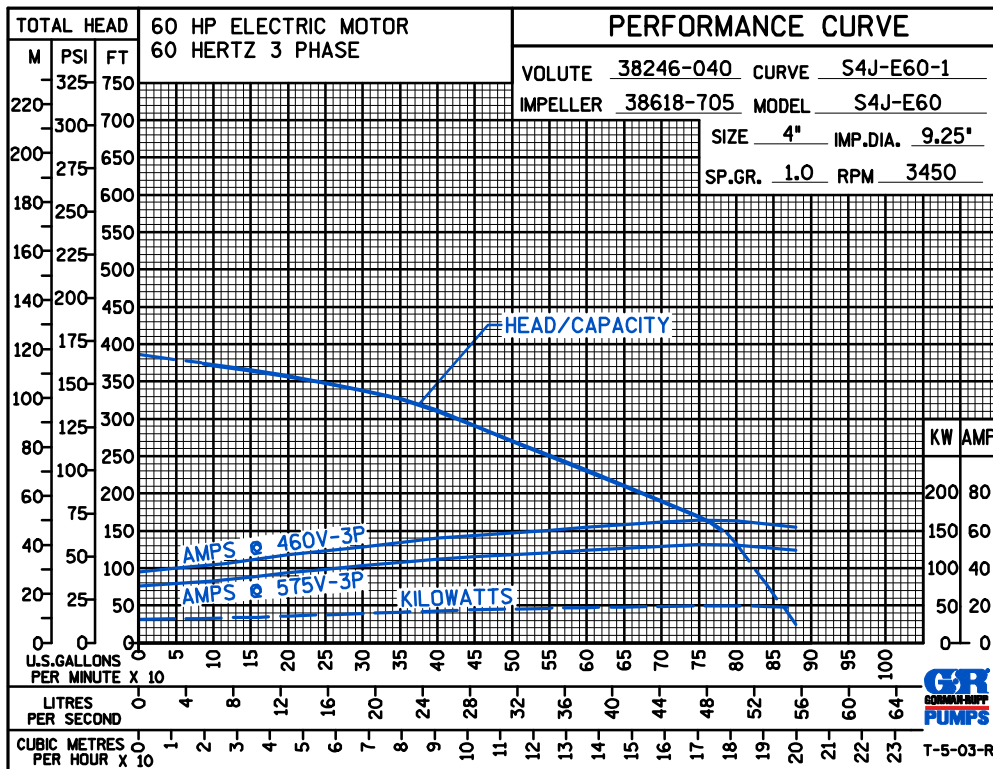
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APPROXIMATE  
DIMENSIONS and WEIGHTS

**PUMP & CABLE NET WEIGHT:** 800 LBS. (362,9 KG.)  
**GROSS SHIPPING WEIGHT:** 901 LBS. (408,7 KG.)  
**EXPORT CRATE:** 24.0 CU. FT. (0,68 CU. M.)



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