



# Submersible Pump

## Model S8C18-E140

Size 8"



**PUMP SPECIFICATIONS**

- Diffuser:** Stainless Steel CD4MCu.  
Maximum Operating Pressure 195 psi (1345 kPa).\*
- Enclosed Type, Five Vane Impeller:** Stainless Steel CD4MCu.
- Suction Head:** Stainless Steel CD4MCu.
- Motor Housing:** Aluminum Alloy 356-T6.
- Intermediate Bracket:** Aluminum Alloy 356-T6.
- Seal Plate:** Stainless Steel CD4MCu.
- Motor Shaft:** Stainless Steel 17-4 PH.
- Bearings:** Upper, Open Single Row Ball.  
Lower, Sealed Double Row Ball.
- Discharge Flange:** Gray Iron 30.
- Gaskets:** Cork <sup>w</sup>Nitrile Binder (NC710) and Vegetable Fiber.
- O-Ring:** Buna-N
- Wetted Hardware:** Standard Plated Steel and Stainless Steel.
- Strainer:** Urethane Coated Steel; 49% Open Area, 0.62" (15,7 mm) Square Openings.

- Hoisting Bail.** Urethane Coated Steel.
- Standard Equipment**
- NEMA Type 3R Rainproof Control Box.** Provides On-Off, Circuit Breaker and Motor Overload Protection. ([See Section 130, Page 100.](#))
- Staging Adapter.**

**Optional Equipment**

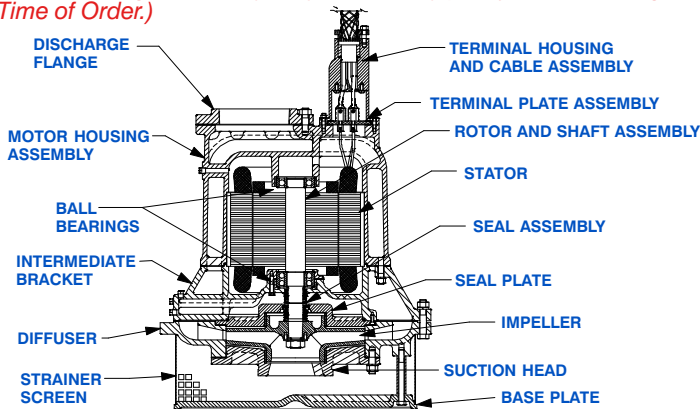
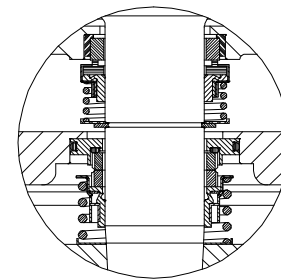
- Liquid Level Control:** ([See Sec. 130, Page 150.](#))
  - a. Turtle Type Pressure Activated Level Switch.
  - b. Float Activated Level Switch.

**MOTOR/CABLE SPECIFICATIONS**

- Motor:** Oil Filled Enclosure; 140 H.P.; 1750 R.P.M.; Inverter Duty Rated (VFD-Capable), Three Phase: 460/575 Volt, 60 Hz, 176/141 Full Load Amps, 117 kW (Max.)
- Power Cable:** 6 Wire; Type GGC;
  - (460V)** 2/0 AWG 3 Power Conductors, 2 Ground Conductors and 1 Ground Check.\*\*
  - (575V)** 1 AWG; 3 Power Conductors, 2 Ground Conductors and 1 Ground Check.\*\*

**Recommended Generator Size:** 200 kW Across the Line Start, 150 kW for Reduced Voltage Starting.

\* Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.  
\*\*Nominal Length 50 Feet (15 m) Standard. (Specify Alternate Lengths at Time of Order.)



**SEAL SPECIFICATIONS**

- Tandem, Oil Lubricated.
- Upper Seal:** Type 21, Mechanical. Carbon Rotating Face. Ni-Resist Stationary Face. Buna-N Elastomers. Stainless Steel 18-8 Cage and Spring.
- Lower Seal:** Type 2, Mechanical. Tungsten Titanium Carbide Rotating and Stationary Faces. 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

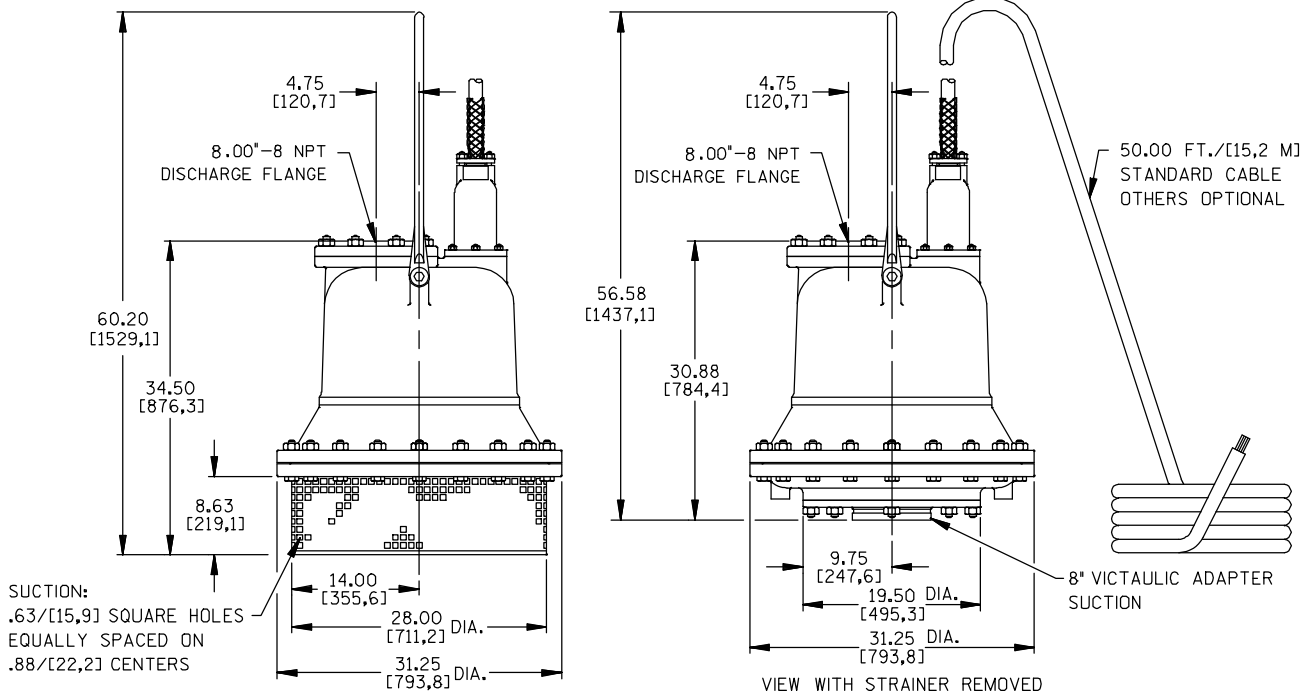
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**Specification Data**

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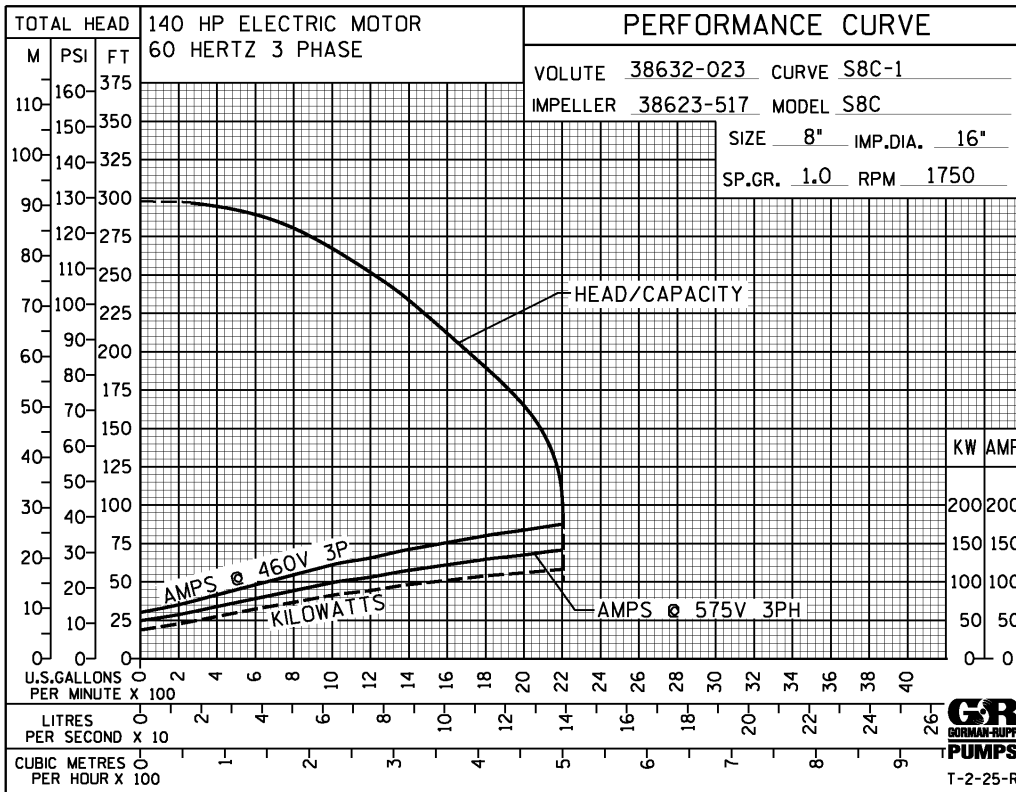
APPROXIMATE  
DIMENSIONS and WEIGHTS

**NET WEIGHT:** 1610 LBS. (730,3 KG.)  
**SHIPPING WEIGHT:** 1664 LBS. (754,8 KG.)  
**EXPORT CRATE:** 38 CU. FT. (1,08 CU. M.)



DIMENSIONS:  
INCHES  
[MILLIMETERS]

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