



# Electric Motor Driven Submersible Pump

## Model S8C1 460V 3P and S8C1 575V 3P Size 8"



**PUMP SPECIFICATIONS**

- Diffuser:** Ductile Iron 80-60-03;  
Maximum Operating Pressure 195 psi (1345 kPa).\*
- Impeller:** Ductile Iron 80-55-06.
- Suction Head:** Gray Iron 30.
- Motor Housing:** Aluminum Alloy 356-T6.
- Intermediate Bracket:** Aluminum Alloy 356-T6.
- Seal Plate:** Gray Iron 30.
- 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 w/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.)
- Optional Equipment:** Turtle Type Pressure Activated Level Switch. Float  
Activated Level Switch. (See Sec. 130, Page 150.)



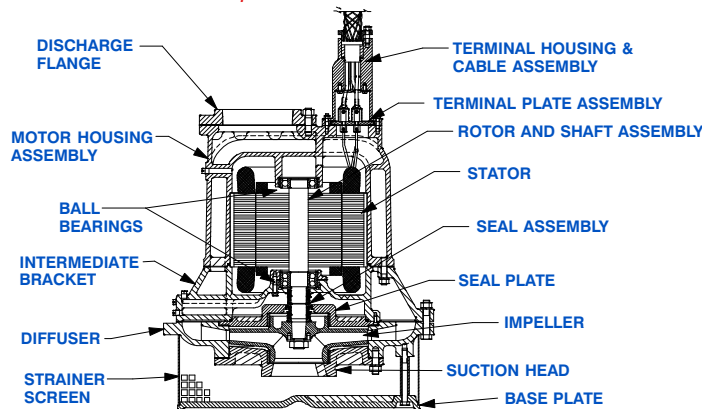
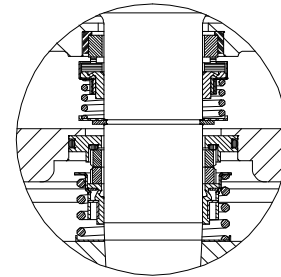
**MOTOR/CABLE SPECIFICATIONS**

- Motor:** Oil Filled Enclosure; 140 H.P.; 1750 R.P.M.; Inverter Duty Rated (VFDCapable) Three Phase: 460/575 Volt, 60 Hz, 176/141 Full Load Amps, 117 kW (Max.)
- Power Cable:** 6 Wire; Type GGC; 2/0 AWG (460V); 1 AWG (575V); 3 Power Conductors, 2 Ground Conductors and 1 Ground Check. Nominal Length 50 Feet (15 m) Standard. (Specify Alternate Length at Time of Order.)
- 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.

WARNING!

Do not use in explosive atmosphere or for pumping volatile flammable liquids.



**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

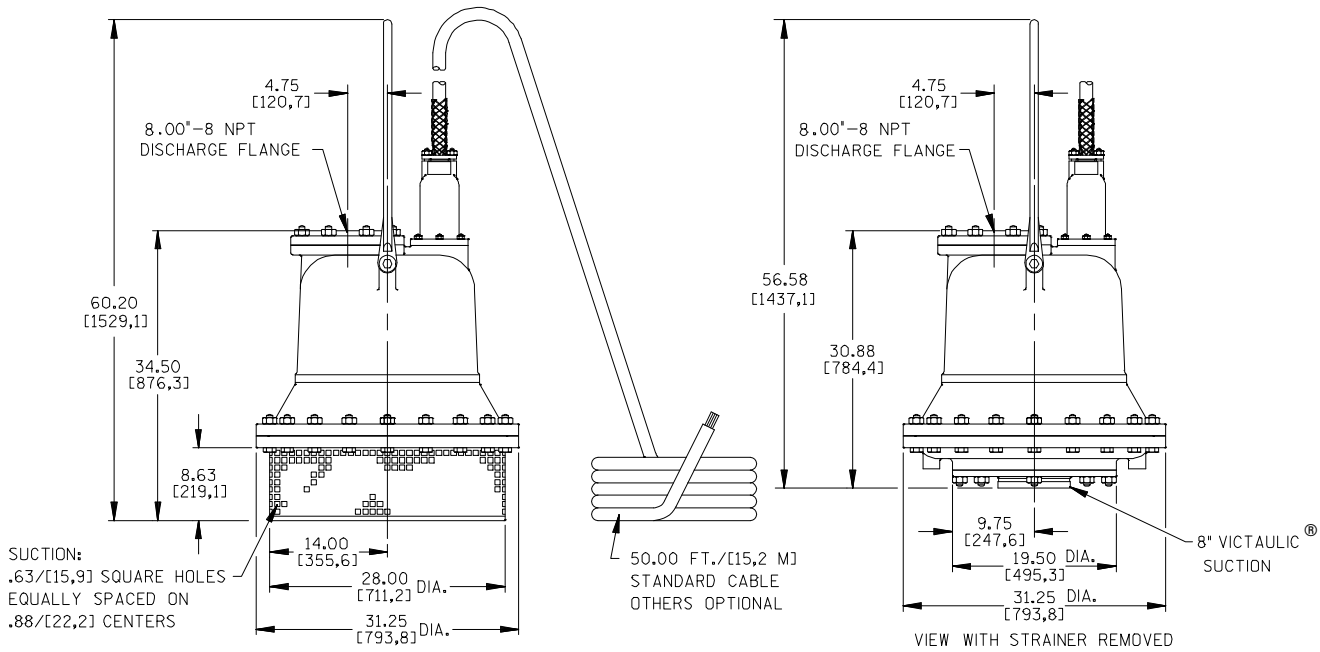
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**Specification Data**

APPROXIMATE  
DIMENSIONS and WEIGHTS

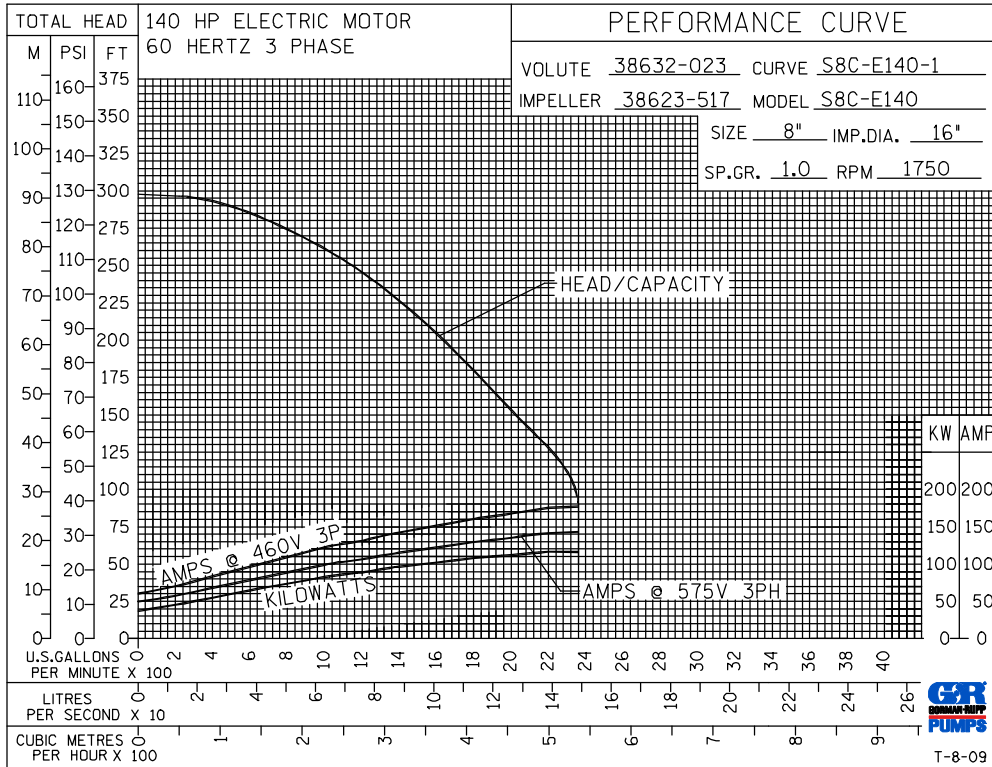
**NET WEIGHT: 1610 LBS. (730,3 KG.)**  
**SHIPPING WEIGHT: 1664 LBS. (754,8 KG.)**  
**EXPORT CRATE: 38 CU. FT. (1,08 CU. M.)**

**SECTION 130, PAGE 1560**



DIMENSIONS:  
INCHES  
[MILLIMETERS]

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