



Submersible Pump

Electric Motor Driven

Models S8B1 460V 3P and S8B1 575V 3P

Size 8"



PUMP SPECIFICATIONS

- Diffuser:** Ductile Iron No. 80-60-03; Maximum Operating Pressure 165 psi (1138 Pa).*
- Impeller:** Ductile Iron No. 80-60-03.
- Suction Head:** Ductile Iron No. 80-60-03.
- Motor Housing:** Aluminum Alloy No. 356-T6.
- Intermediate Bracket:** Aluminum Alloy No. 356-T6.
- Seal Plate:** Gray Iron No. 30.
- Motor Shaft:** Stainless Steel Type 17-4 PH.
- Bearings:** Upper, Open, Single Row Ball Bearing.
Lower, Two Seals, Double Row Ball Bearing.
- Discharge Flange:** Gray Iron No. 30.
- Gaskets:** Cork with Nitrile Binder (NC710) and Vegetable Fiber.
- O-Ring:** Buna-N.
- Wetted Hardware:** Standard Plated Steel and Stainless Steel.
- Strainer:** Urethane Coated Steel; 48% 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 95.)

Staging Adapter.

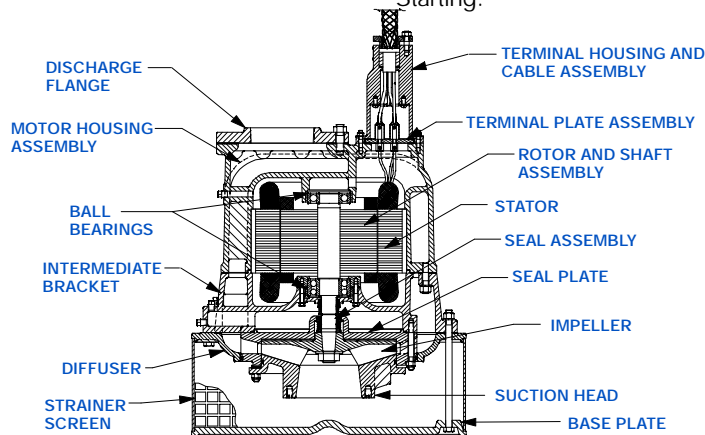
Optional Equipment

Liquid Level Control

- a. Turtle Type Pressure Activated Level Switch. (See Sec. 130, Page 150.)
- b. Float Activated Level Switch. (See Sec. 130, Page 150.)

MOTOR/CABLE SPECIFICATIONS

- Motor:** Oil Filled Enclosure; 100 H.P.; 1750 R.P.M.;
Three Phase: 460/575 Volt, 60 Hz,
125/100 Full Load Amps, 88 kW (Max.)
- Power Cable:** 6 Wire, Type GGC, 1 AWG; 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:** 150 kW Across-the-Line Start.
100 kW for Reduced Voltage Starting.



WARNING!

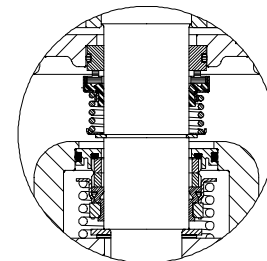
Do not use in explosive atmosphere or for pumping volatile flammable liquids.

SEAL SPECIFICATIONS

- Tandem, Oil Lubricated.
- Upper Seal:** Type 2, Mechanical. Carbon Rotating Face. Ceramic Stationary Face. Buna-N Elastomers. Stainless Steel Type 18-8 Cage and Spring.
- Lower Seal:** Type 2, Mechanical. Tungsten Titanium Carbide Rotating and Stationary Faces. Stainless Steel Type 316, Stationary Seat. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel Type 18-8 Cage and Spring.

Maximum Temperature of Liquid Pumped, 122°F (50°C).*

SEAL DETAIL



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



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Specifications Subject to Change Without Notice

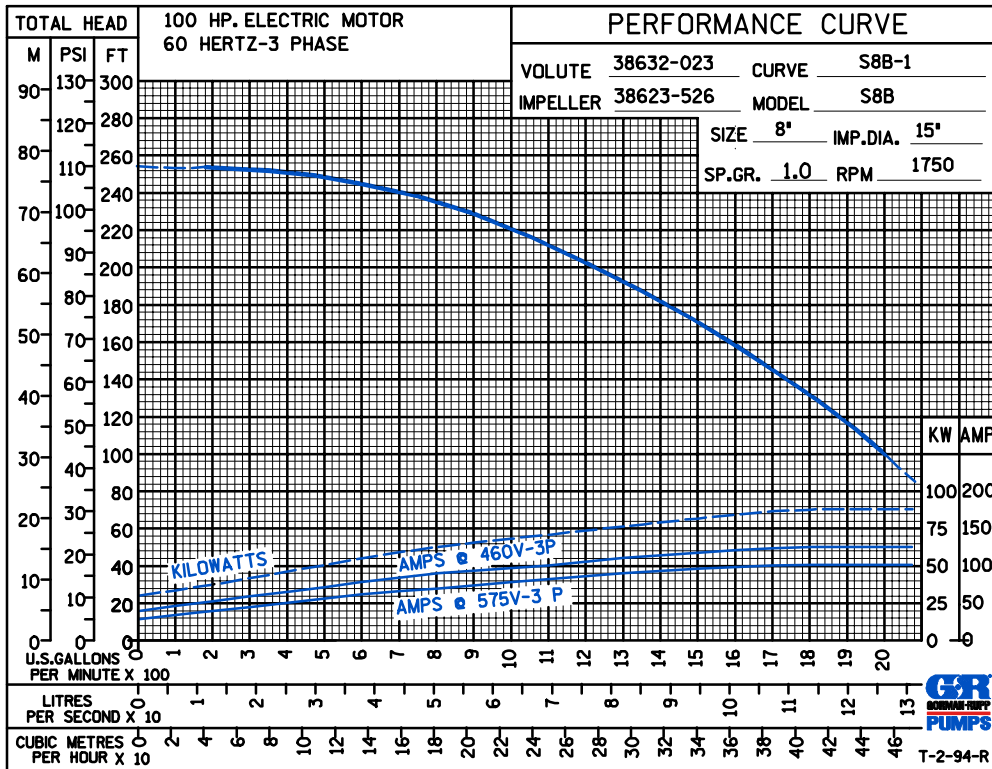
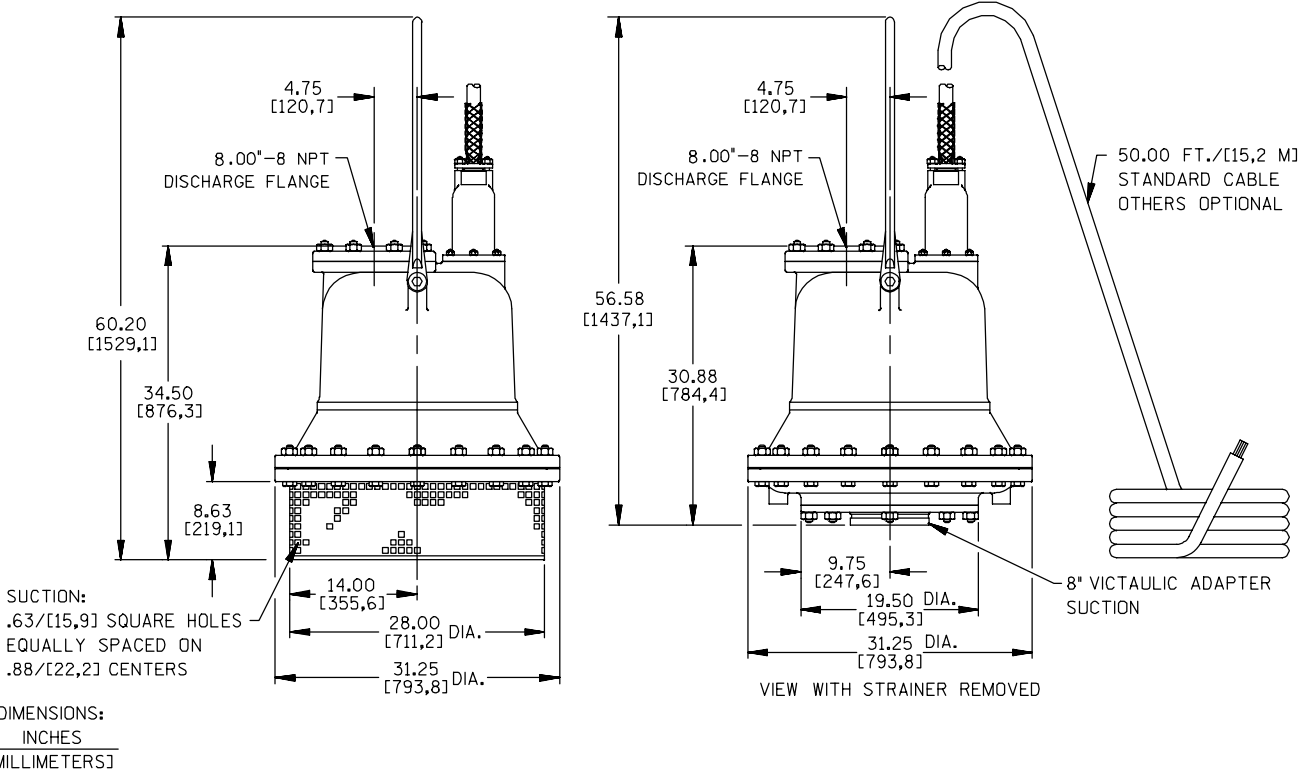
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Specification Data

SECTION 130, PAGE 1540

APPROXIMATE
DIMENSIONS and WEIGHTS

NET WEIGHT: 1450 LBS. (657,7 KG.)
SHIPPING WEIGHT: 1495 LBS. (678,1 KG.)
EXPORT CRATE: 38 CU. FT. (1,08 CU. M.)



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