



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 ^WNitrile 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.](#))

- Turtle Type Pressure Activated Level Switch.
- 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;

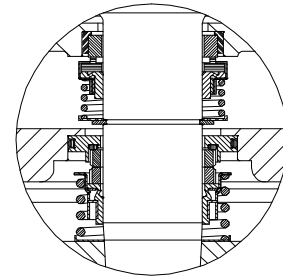
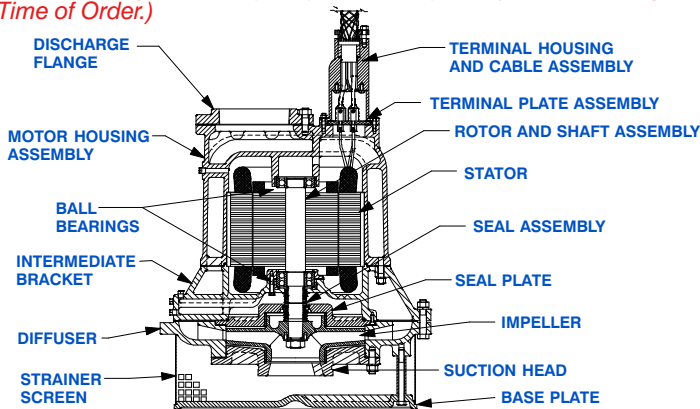
(460V) 2/0 AWG 3 Power Conductors, 2 Ground Conductors and 1 Ground Check.**

(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

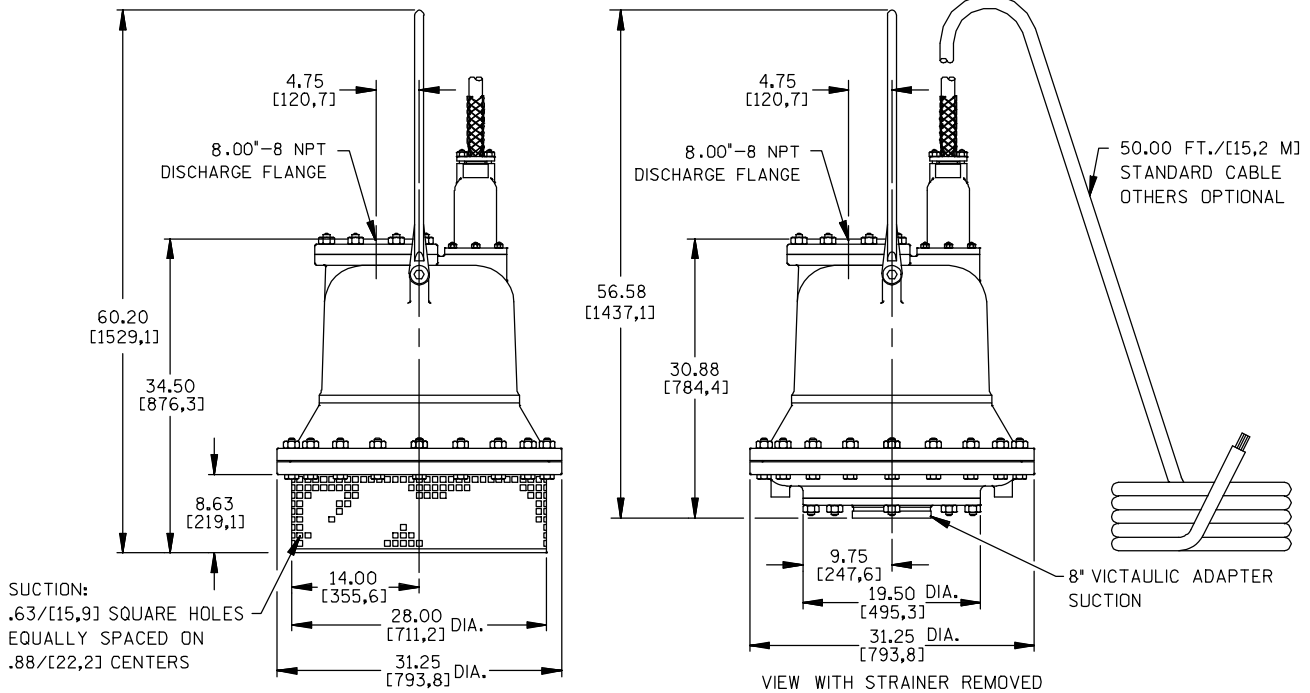
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Specification Data

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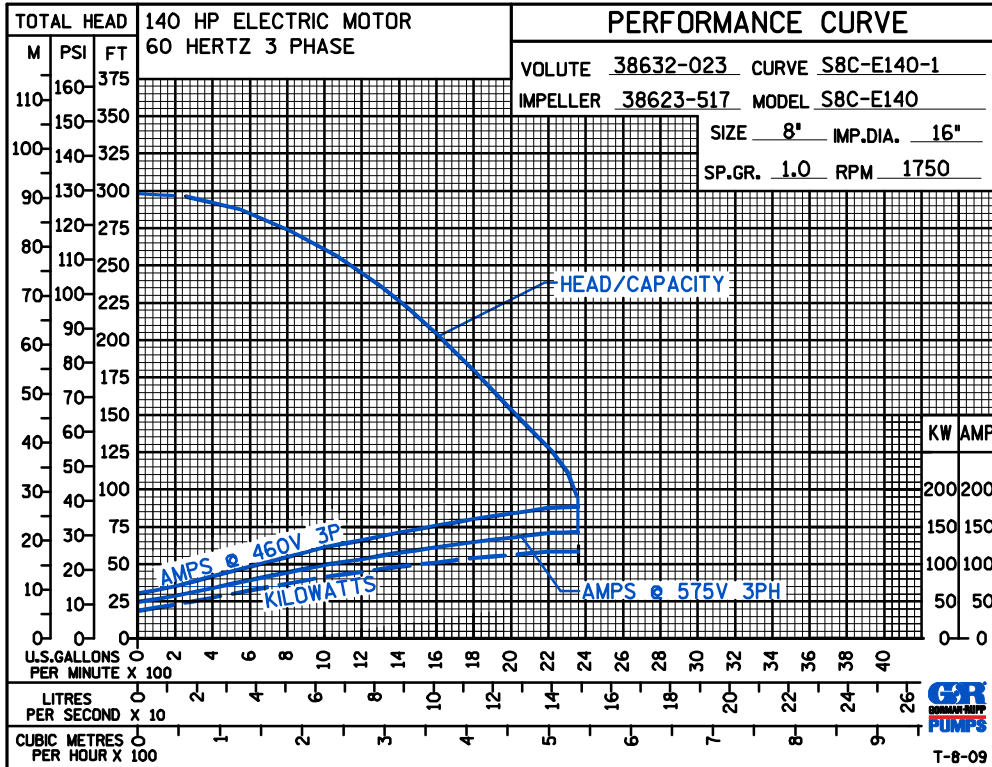
APPROXIMATE
DIMENSIONS and WEIGHTS

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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