



Submersible Pump

Model S4F1-E20

Size 4"

PUMP SPECIFICATIONS

Diffuser: G-R Hard Iron;

Maximum Operating Pressure 111 psi (765 kPa).*

Impeller: G-R Hard Iron.

Seal Plate: G-R Hard Iron.

Intermediate: Aluminum Alloy 356-T6.

Casing: Aluminum Alloy 6061-T6 with Chromicoat.

Motor Housing: Aluminum Alloy 356-T6.

Motor Shaft: Stainless Steel 416.

Shaft Sleeve: Stainless Steel 304.

Bearings: Upper, Two Synthetic Seals, Single Row Ball Bearing.
Lower, Two Shields, Double Row Ball Bearing.

Discharge Flange: Aluminum Alloy 356-T6.

Gaskets: Cork with Nitrile Binder (NC710).

O-Rings: Buna-N.

Wetted Hardware: Standard Plated Steel and Stainless Steel.

Strainer: Urethane Coated Steel; 50.6% Open Area,
0.375" (9.5 mm) Diameter Openings.

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.)

a. Turtle Type Pressure Activated Level Switch.

b. Float Activated Level Switch.

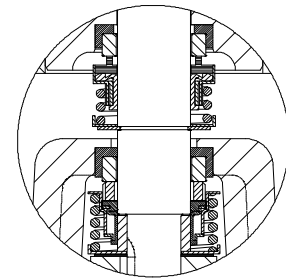
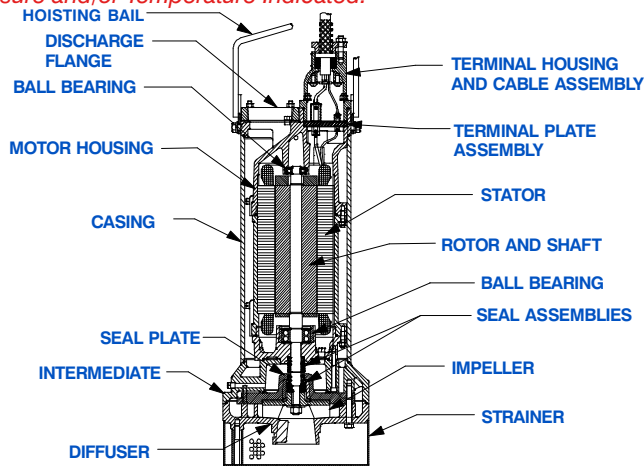
MOTOR/CABLE SPECIFICATIONS

Motor: Air Filled Enclosure with Thermal Overload Protection; 20 H.P.;
3450 R.P.M. Three Phase: 460/575 Volt, 60 Hz, 26/20.8 Full Load
AMPS, 19 kW (Max.)

Power Cable: 9 Wire; Type SPC; (3) 8 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: 60 kW. Across the Line Start.
40 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. Tungsten Titanium Car-
bide Rotating Face and Silicon Carbide Stationary Face.
Fluorocarbon Elastomers (DuPont Viton® or
Equivalent). Stainless Steel 303/304 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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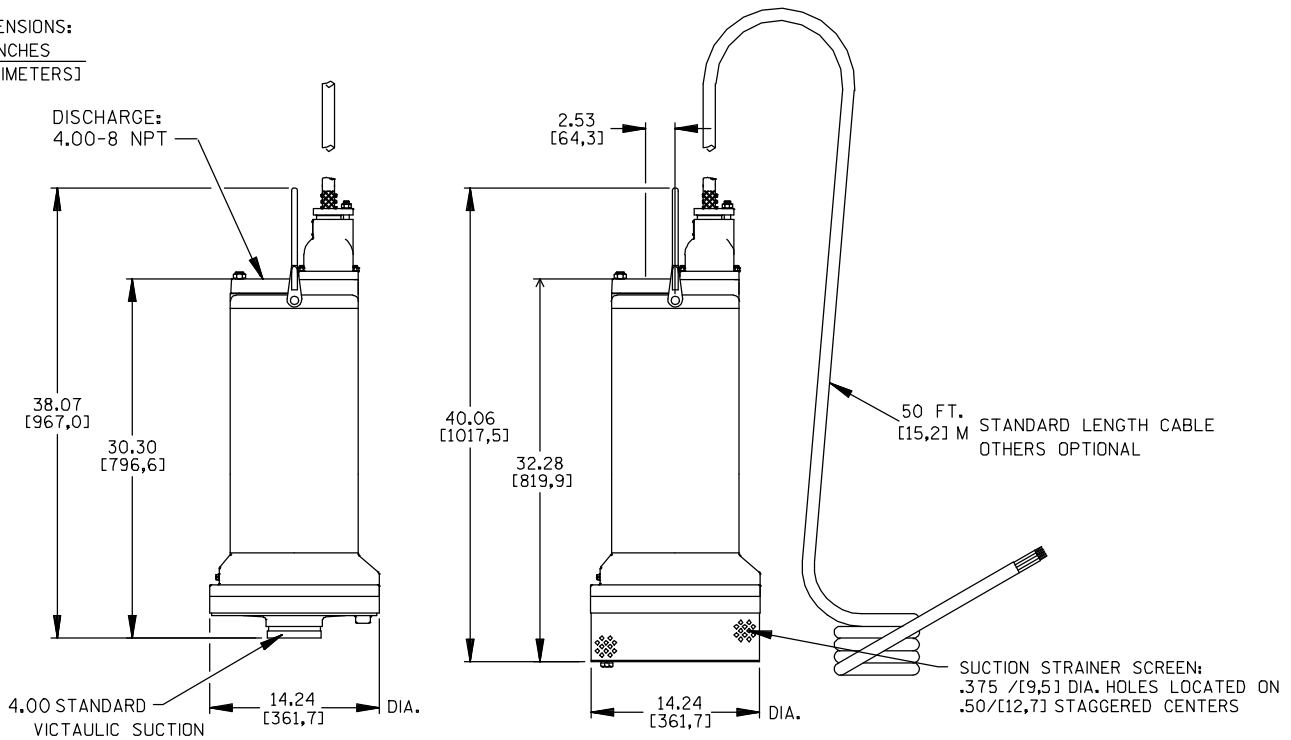
Specification Data

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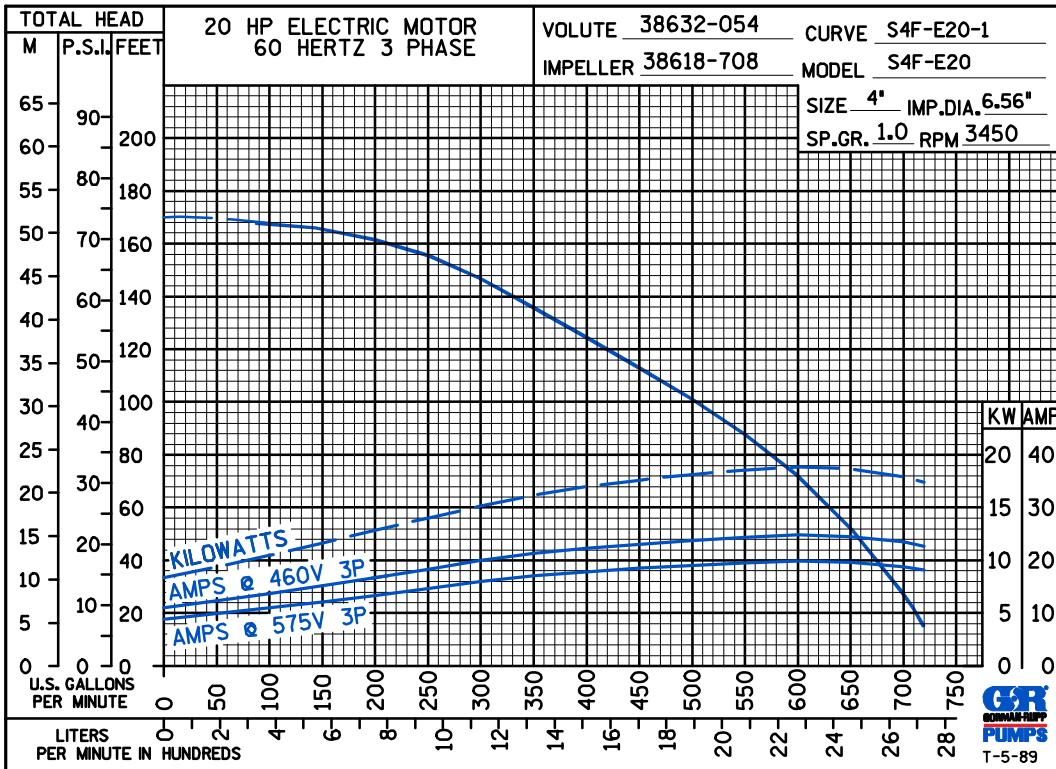
APPROXIMATE
DIMENSIONS and WEIGHTS

NET WEIGHT: 424 LBS. (192,3 KG.)
SHIPPING WEIGHT: 494 LBS. (224,1 KG.)
EXPORT CRATE: 10 CU. FT. (0,28 CU. M.)

DIMENSIONS:
INCHES
[MILLIMETERS]



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