



Submersible Pump

Model S4A1-E25

Size 4"

PUMP SPECIFICATIONS

Diffuser: Ductile Iron 80-60-03;

Maximum Operating Pressure 83 psi (572 kPa).*

Semi-Open Type, Six Vane Impeller: Ductile Iron 80-60-03.

Suction Head: Ductile Iron 120-90-02.

Motor Housing: Aluminum Alloy 356-T6.

Intermediate Bracket: Aluminum Alloy 356-T6.

Strainer Plate: Aluminum Alloy 356-T6.

Motor Shaft: Stainless Steel 17-4 PH.

Bearings: Upper and Lower, Open Single Row Ball.

Discharge Flange: Gray Iron 30.

Gaskets: Cork ^{w/Nitrile Binder (NC710)} and Vegetable Fiber.

O-Ring: Synthetic Rubber (DuPont Neoprene® or Equivalent).

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.)

Optional Equipment: Staging Adapter Kit. Turtle Type Pressure Activated Level Switch. Float Activated Level Switch. (See Sec. 130, Page 150.)

MOTOR/CABLE SPECIFICATIONS

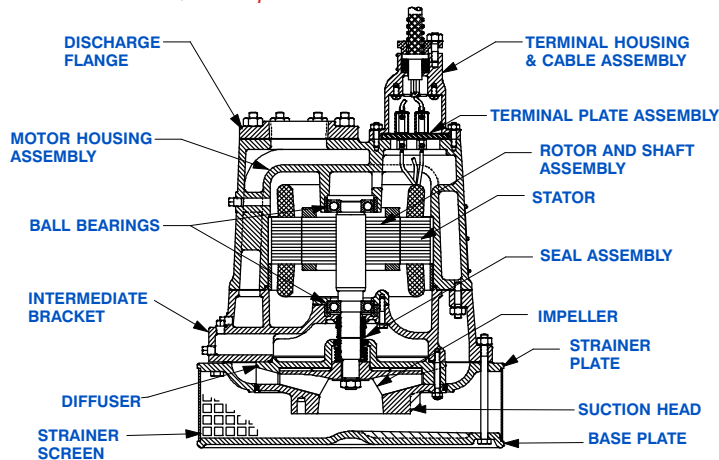
Motor: Oil Filled Enclosure; 25 H.P.; 1750 R.P.M.;

Three Phase: 460/575 Volt, 60 Hz, 32/26 Full Load Amps, 21 kW (Max.)

Power Cable: 6 Wire; Type GGC; 6 AWG. 3 Power Conductors, plus 2 Ground Conductors and 1 Ground Check. Nominal Length 50 Feet (15 m) Standard. (Specify Alternate Length at Time of Order.)

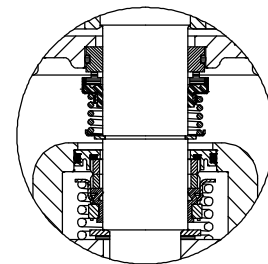
Recommended Generator Size: 40 kW Across the Line Start, 25 kW for Reduced Voltage Starting.

* 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 2, Mechanical. Carbon Rotating Face. Ceramic 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).*



GORMAN-RUPP PUMPS

www.grpumps.com

Specifications Subject to Change Without Notice

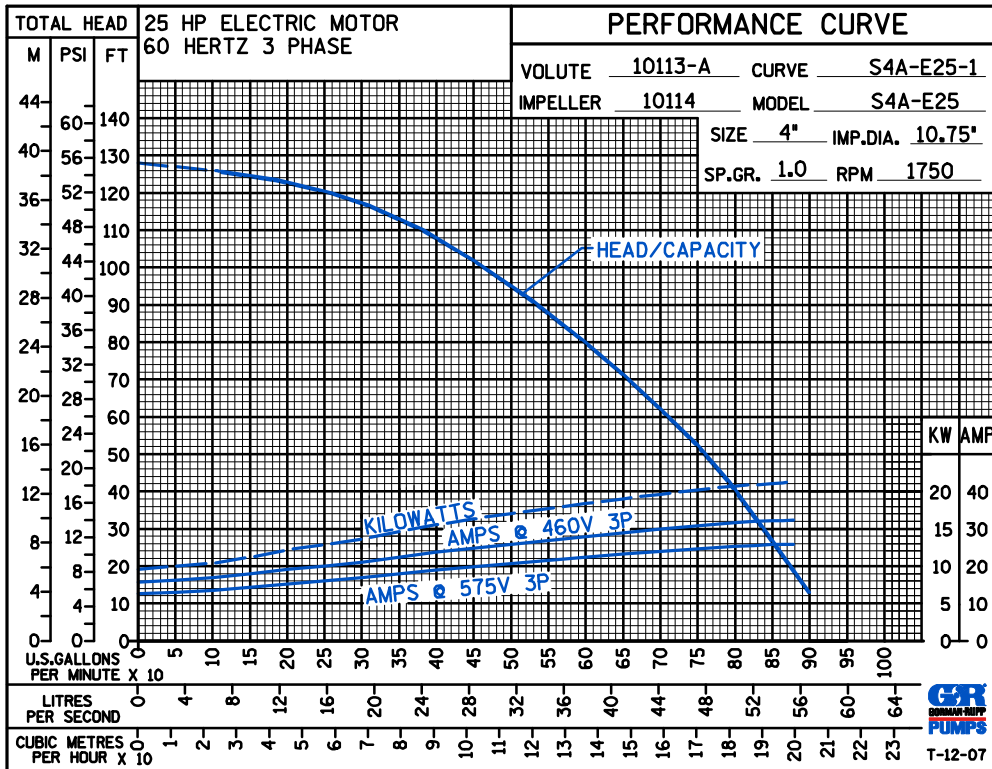
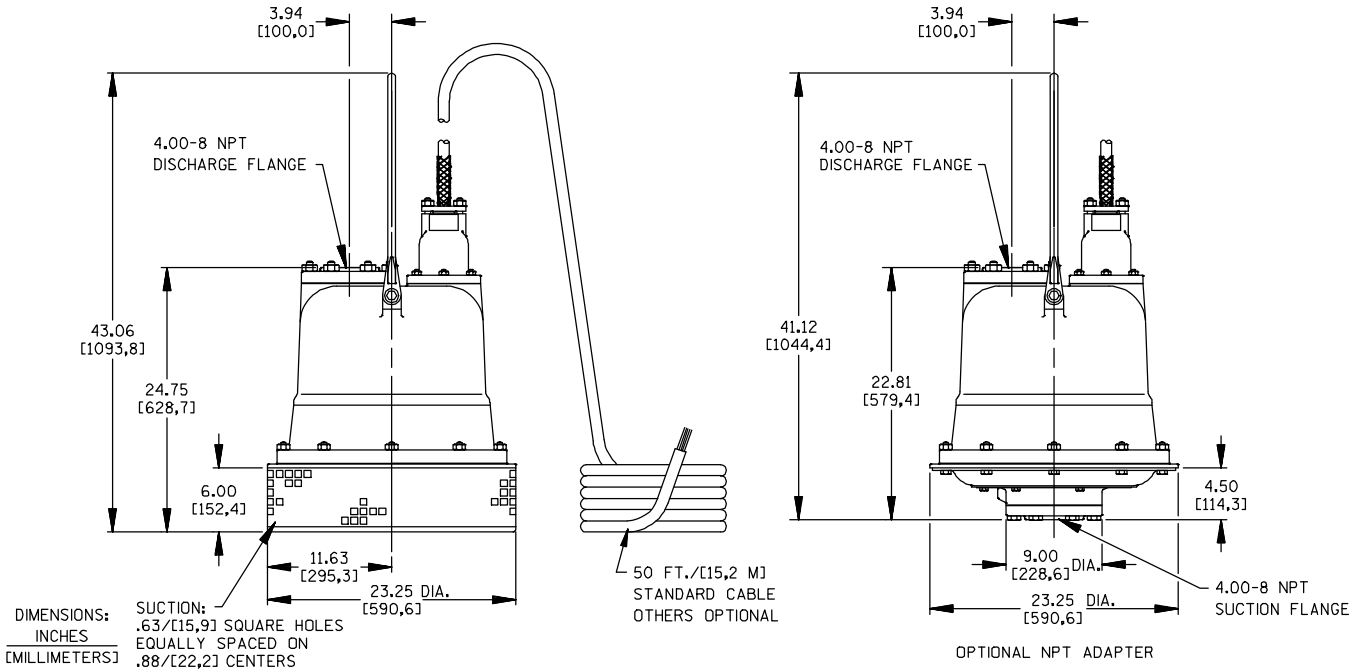
Printed in U.S.A.

Specification Data

APPROXIMATE
DIMENSIONS and WEIGHTS

NET WEIGHT: 602 LBS. (273.1 KG.)
SHIPPING WEIGHT: 642 LBS. (291,2 KG.)
EXPORT CRATE: 31.0 CU. FT. (0,88 CU. M.)

SECTION 130, PAGE 1105



GORMAN-RUPP PUMPS

www.grpumps.com

Specifications Subject to Change Without Notice

Printed in U.S.A.