



Submersible Pump

Electric Motor Driven

Models S4A1 460V 3P and S4A1 575V 3P

Size 4"

CERTIFIED
PERFORMANCE



The Manufacturer of this pump certifies that it was manufactured in accordance with the standards of the Contractors Pump Bureau.

PUMP SPECIFICATIONS

- Diffuser:** Ductile Iron No. 80-60-03; Maximum Operating Pressure 83 psi (5,9 kg/cm²)*
- 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.
- Strainer Plate:** Aluminum Alloy No. 356-T6.
- Motor Shaft:** Stainless Steel Type 17-4 PH.
- Bearings:** Upper and Lower, Open Single 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

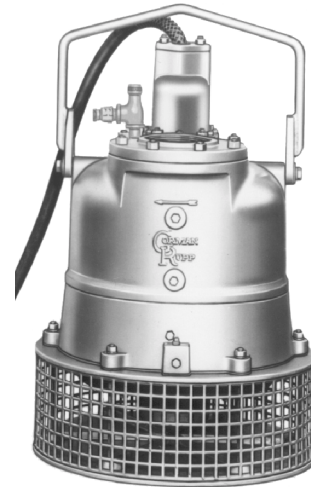
NEMA Type 3R Rainproof Control Box. Provides On-Off, Circuit Breaker and Motor Overload Protection. (See Section 130, Page 95.)

Optional Equipment

Liquid Level Control

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

Staging Adapter Kit. Part No. 48272-004.



WARNING!

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

MOTOR/CABLE SPECIFICATIONS

- Motor:** Oil Filled Enclosure; 25 H.P.; 1750 R.P.M.;
Three Phase: 460/575 Volt, 60 Hz,
30/24 Full Load Amps, 20 kW (Max.)
- Power Cable:** 6 Wire; Type GGC; 6 AWG. 3 Power Conductors,
and 3 Ground Conductors.
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.

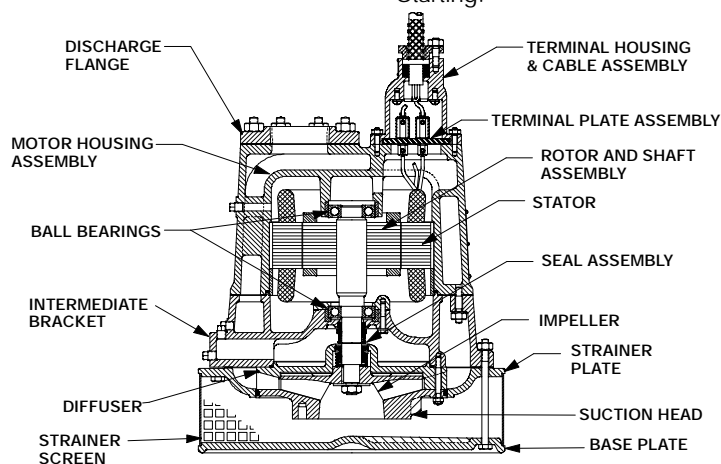
SEAL SPECIFICATIONS

Tandem, Oil Lubricated.

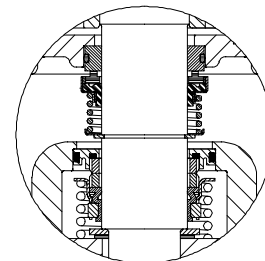
Upper Seal: Type 2, Mechanical. Carbon Rotating Face. Ceramic Stationary Face. Buna-N Elastomers. Stainless Steel Type 18-8 Cage and Spring.

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.



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

Specifications Subject to Change Without Notice

Printed in U.S.A.

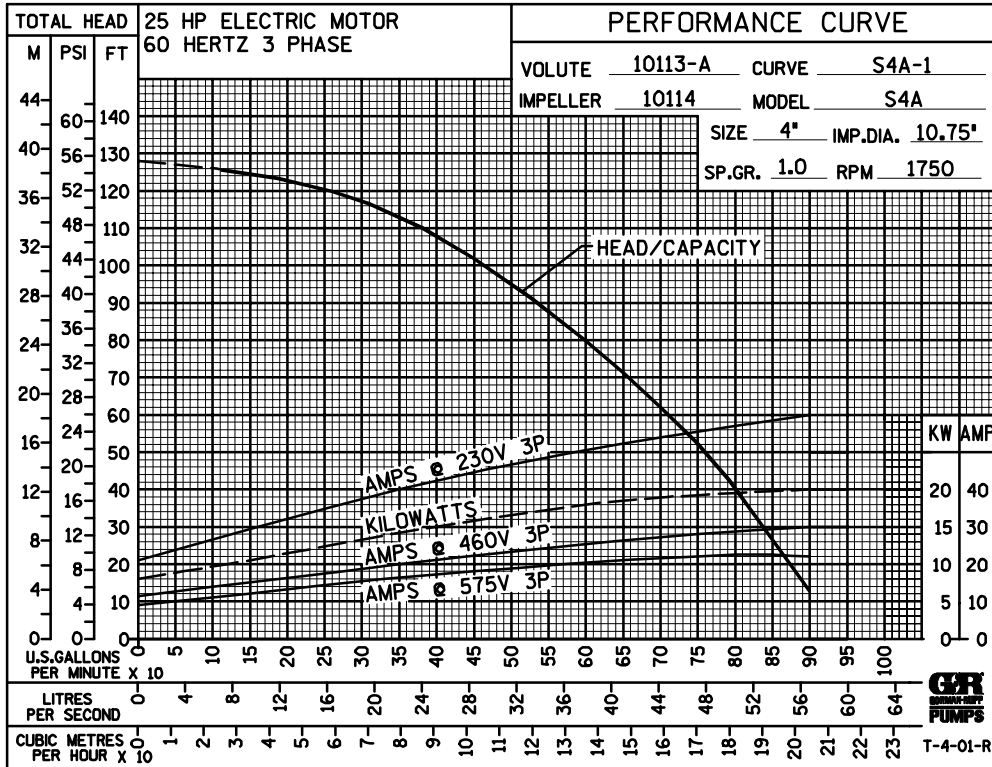
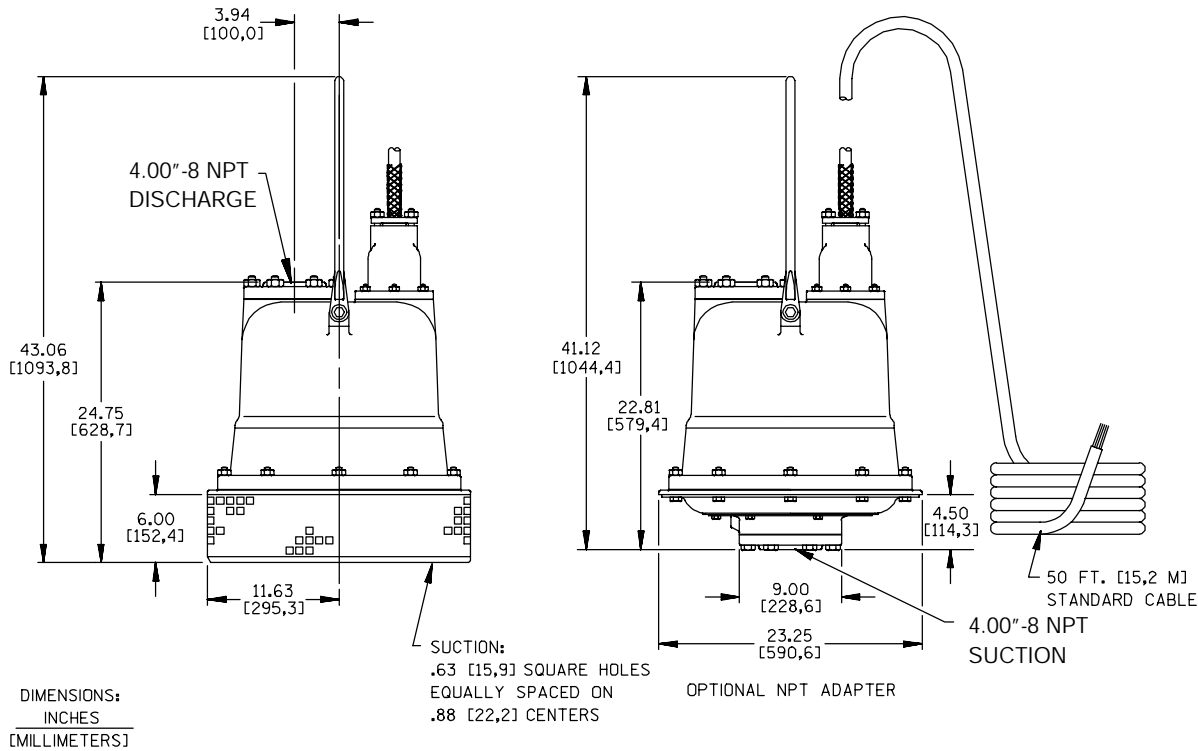
Specification Data

APPROXIMATE
DIMENSIONS and WEIGHTS

NET WEIGHT:
SHIPPING WEIGHT:
EXPORT CRATE:

602 LBS. (273.1 KG.)
642 LBS. (291,2 KG.)
31.0 CU. FT. (0,88 CU. M.)

SECTION 130, PAGE 1100



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

Specifications Subject to Change Without Notice

Printed in U.S.A.