



# Submersible Pump

## Model S4B1-E50

### Size 4"



#### PUMP SPECIFICATIONS

**Diffuser:** Ductile Iron 80-60-03;

Maximum Operating Pressure 132 psi (910 kPa). \*

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

**Suction Head:** Ductile Iron 80-60-03.

**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, Open Single Row Ball.  
Lower, Sealed Double Row Ball.

**Discharge Flange:** Gray Iron 30.

**Gaskets:** Cork <sup>w/</sup>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

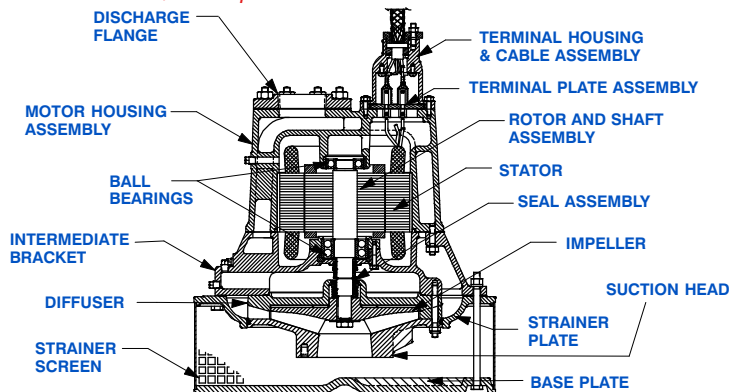
**Motor:** Oil Filled Enclosure; 50 H.P.; 1750 R.P.M.;

Three Phase: 460/575 Volt, 60 Hz, 71/57 Full Load Amps, 46 kW (Max.)

**Power Cable:** (460V) 6 Wire; Type GGC; 4 AWG. 3 Power Conductors, plus 2 Ground Conductors and 1 Ground Check. (575V) 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.)

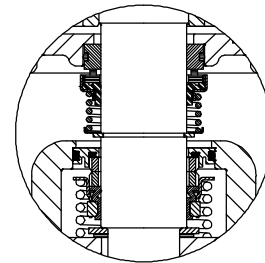
**Recommended Generator Size:** 60 kW Across the Line Start, 40 kW for Reduced Voltage Starting.

\* 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. 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). \*



## GORMAN-RUPP PUMPS

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Specifications Subject to Change Without Notice

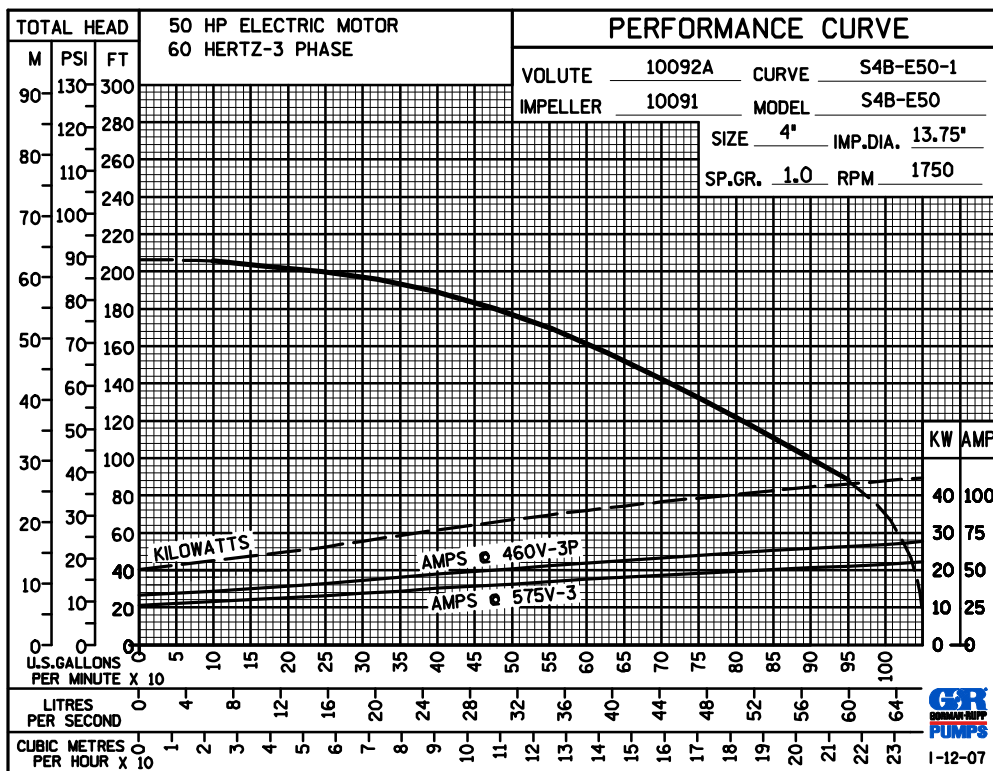
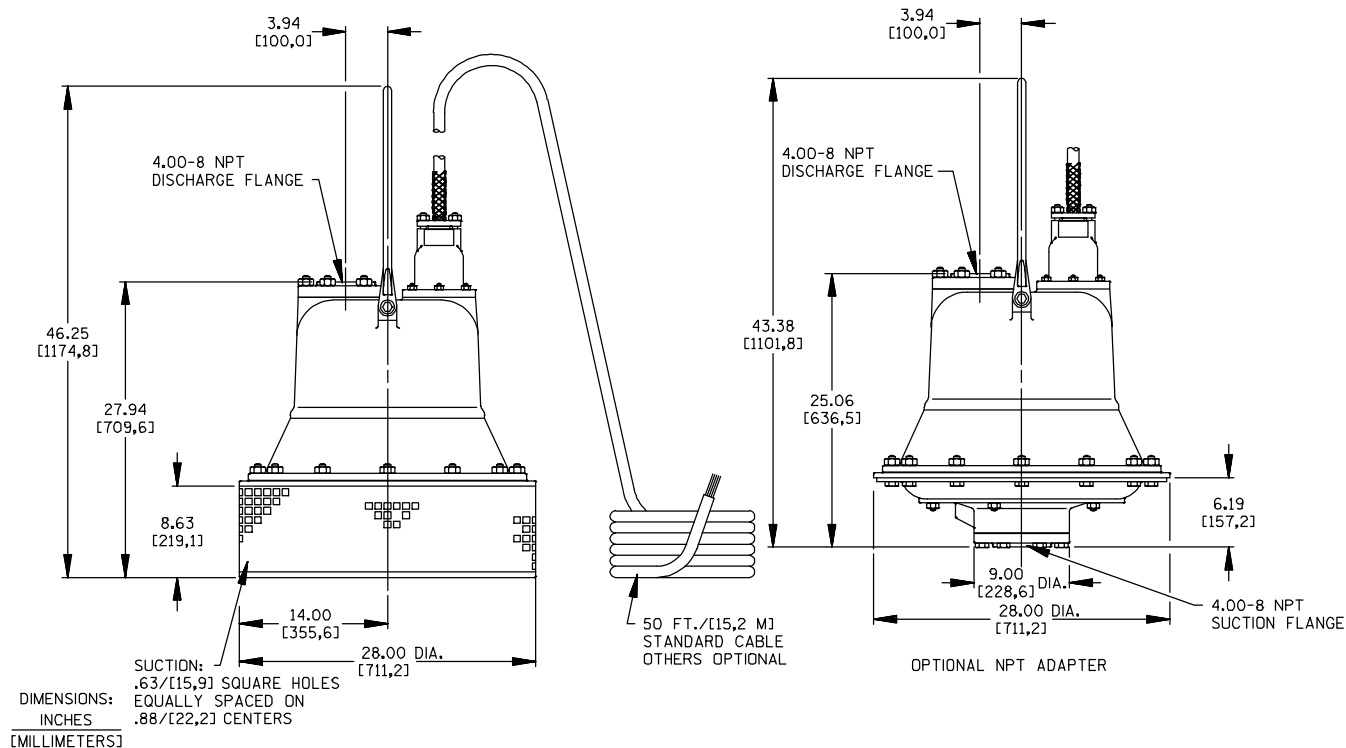
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# Specification Data

SECTION 130, PAGE 1165

APPROXIMATE  
DIMENSIONS and WEIGHTS

**NET WEIGHT:** 860 LBS. (390,1 KG.)  
**SHIPPING WEIGHT:** 900 LBS. (408,2 KG.)  
**EXPORT CRATE:** 58.0 CU. FT. (1,64 CU. M.)



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