



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 ^{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

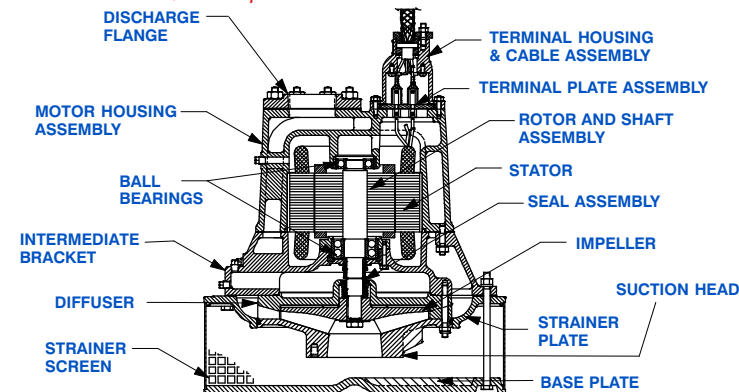
Motor: Oil Filled Enclosure; 50 H.P.; 1750 R.P.M.;

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.)

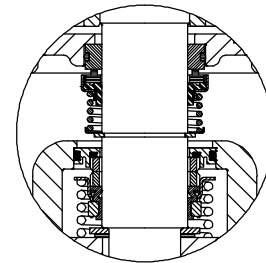
Recommended Generator Size: 60 kW Across the Line Start, 40 kW
for Reduced Voltage Starting.

* Consult Factory for Applications Exceeding Maximum
Pressure and/or Temperature Indicated.



WARNING!

Do not use in explosive atmosphere or for pump-
ing 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 Station-
ary 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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