**Electric Motor Driven 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™ 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.

**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).*

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

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**THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO**

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

www.grpumps.com

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### 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.)

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**PERFORMANCE CURVE**

**TOTAL HEAD**

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**25 HP ELECTRIC MOTOR**

**GALVINIZED SHROUDS**

**PERFORMANCE CURVE**

**VOLUTE** 10113-A

**IMPELLER** 10114

**MODEL** S4A-E25-1

**HEAD/CAPACITY**

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