



PRODUCT DATA SHEET

April, 2003

**4" S4C1 GORMAN-RUPP
ELECTRIC SUBMERSIBLE PUMP**

GENERAL INFORMATION

A Slimline model that is lightweight and ideal for narrow openings. Electric motor is protected by an oil-filled tandem seal.

PERFORMANCE DATA

➤ Operating Speed:	- 3450 RPM
➤ Shutoff Head :	- 112' (48 psi) ⁽¹⁾
➤ Minimum Flow:	- 50 GPM
➤ Maximum Flow:	- 575 GPM
➤ Max. Suction Pressure:	- 73 psi
➤ Max. Liquid Temp.:	- 122° F
➤ Maximum Solids Size:	- 0.38" Diameter

PUMP SPECIFICATIONS

➤ Impeller:	- 5.625" diameter
➤ Mechanical Seals:	- Oil lubricated tandem: <u>Upper</u> – Type 21, carbon rotating face, Ni-resist stationary face, Buna-N elastomers <u>Lower</u> – Type 2, tungsten titanium carbide rotating face, silicon carbide stationary face, Viton elastomers
➤ Suction Strainer:	- 50.6% open area, Urethane coated steel, 0.38" holes

PHYSICAL SPECIFICATIONS

➤ Discharge Size:	- 4" NPT
➤ Total Weight:	- 254 lbs.
➤ Height:	- 30" (bottom of strainer to top of bail) 22" (bottom of strainer to top of discharge flange)
➤ Diameter:	- 11" (O.D.)

MATERIAL SPECIFICATIONS

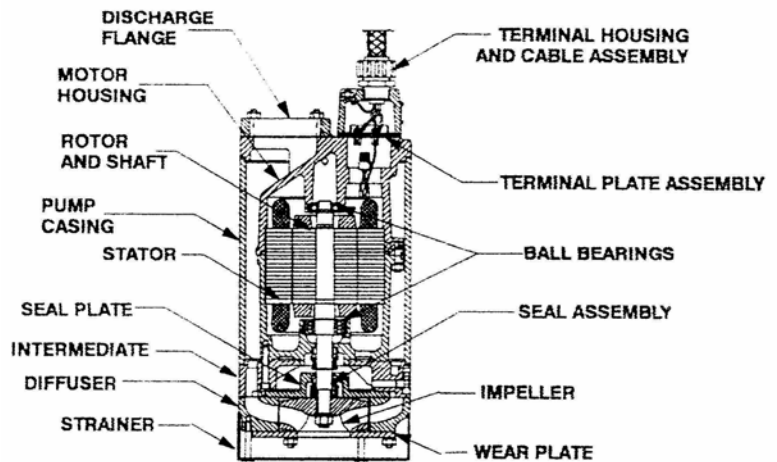
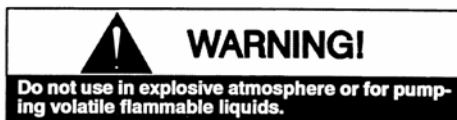
➤ Diffuser:	- Hard Iron
➤ Motor Housing:	- Aluminum Alloy No. 356-T6
➤ Pump Casing:	- Aluminum Alloy No. 6061-T6
➤ Impeller:	- Hard Iron
➤ Wearplate:	- 1045 carbon steel
➤ Shaft Sleeve:	- 304 stainless steel
➤ Intermediate:	- Aluminum Alloy No. 356-T6
➤ Rotor Shaft:	- 416 stainless steel
➤ O-rings:	- Buna-N
➤ Discharge Flange:	- Aluminum Alloy No. 356-T6

ELECTRICAL SPECIFICATIONS

➤ Electric Motor:	- 10 H.P., 3450 RPM, oil filled enclosure. 460 volt 3-phase, 60 Hz, 17.0 full load AMPS
➤ Power Cable:	- 6 wire; Type GGC; 8 AWG. 3 conductor, Plus 2 ground and 1 ground check. Nominal length 50 feet.
➤ Control Box:	- NEMA Type 3R rainproof, on/off, circuit breaker and motor overload protection
➤ Generator Size⁽²⁾:	- 15 kw recommended

Notes:

- ⁽¹⁾ Based on 1.0 specific gravity
- ⁽²⁾ If other power sources not available



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