

PRODUCT DATA SHEET

April, 2003

6" S6C1 GORMAN-RUPP ELECTRIC SUBMERSIBLE PUMP

GENERAL INFORMATION

Electric motor is protected by an oil-filled tandem seal.

PERFORMANCE DATA

➤ Operating Speed:	- 1750 RPM
➤ Shutoff Head :	- 98' (42 psi) ⁽¹⁾
➤ Minimum Flow:	- 200 GPM
➤ Maximum Flow:	- 1900 GPM
➤ Max. Suction Pressure:	- 64 psi
➤ Max. Liquid Temp.:	- 122° F
➤ Maximum Solids Size:	- 0.62" Diameter

PUMP SPECIFICATIONS

➤ Impeller:	- 9.75" diameter
➤ Mechanical Seals:	- Oil lubricated tandem: <u>Upper</u> – Type 2, carbon rotating face, ceramic stationary face, Buna-N elastomers <u>Lower</u> – Type 2, tungsten titanium carbide rotating and stationary faces, Viton elastomers
➤ Suction Strainer:	- 49% open area, sq. openings

PHYSICAL SPECIFICATIONS

➤ Discharge Size:	- 6" NPT
➤ Total Weight:	- 595 lbs.
➤ Height:	- 47" (bottom of strainer to top of bail) 29" (bottom of strainer to top of discharge flange)
➤ Diameter:	- 23-1/4" (O.D.)

MATERIAL SPECIFICATIONS

➤ Pump Diffuser/Head:	- Ductile Iron 80-60-03
➤ Impeller:	- Ductile Iron 80-60-03
➤ Motor Shaft:	- 17-4 PH stainless steel
➤ Motor Housing:	- Aluminum Alloy No. 356-T6
➤ Strainer:	- Urethane coated steel
➤ Mechanical Seal Faces:	- Lower: tungsten titanium carbide (both faces)
➤ Intermediate Bracket:	- Aluminum Alloy No. 356-T6
➤ O-rings:	- Neoprene
➤ Discharge Flange:	- Gray Iron No. 30

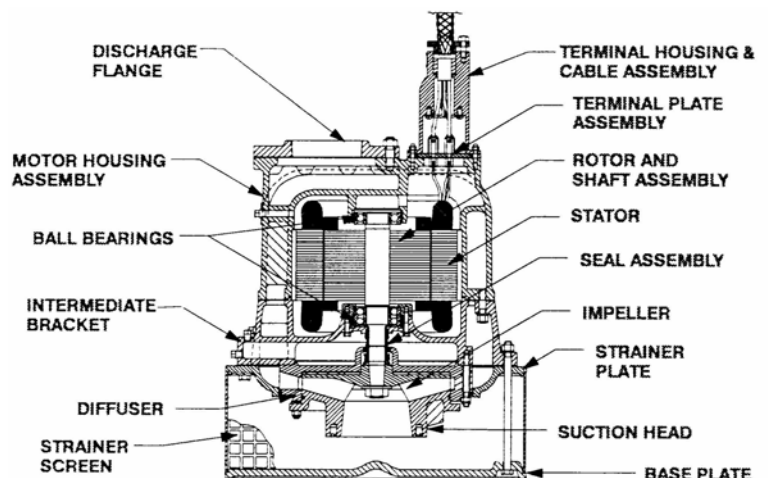
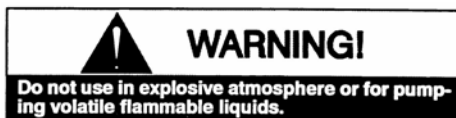
ELECTRICAL SPECIFICATIONS

➤ Electric Motor:	- 35 H.P., 1750 RPM, oil filled enclosure. 460 volt 3-phase, 60 Hz, 40 full load AMPS
➤ Power Cable:	- 6 wire, Type GGC, 6 AWG, 3 power conductors and 3 ground conductors. Nominal length 50' std.
➤ Control Box:	- NEMA Type 3R rainproof, on/off, circuit breaker and motor overload protection
➤ Generator Size⁽²⁾:	- 60 kw across-the-line, or... 40 kw reduced volt. starting

Notes:

⁽¹⁾ Based on 1.0 specific gravity

⁽²⁾ If other power sources not available



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