

PRODUCT DATA SHEET

April, 2003

6" JC6F60 GORMAN-RUPP ELECTRIC SUBMERSIBLE PUMP

GENERAL INFORMATION

Electric motor driven solids handling pump. The pump rests on a stand to elevate the volute which allows flow into the impeller.

PERFORMANCE DATA

➤ Operating Speed:	- 1750 RPM
➤ Shutoff Head :	- 112' (48 psi) ⁽¹⁾
➤ Minimum Flow:	- 250 GPM
➤ Maximum Flow:	- 2400 GPM
➤ Max. Submergence:	- 65 feet
➤ Max. Liquid Temp.:	- 104° F
➤ Maximum Solids Size:	- 4.33" Diameter

PUMP SPECIFICATIONS

➤ Impeller:	- 8.98"/11.97" diameter
➤ Mechanical Seals:	- Oil lubricated tandem: <u>Upper</u> – hardened stainless steel rotating face, carbon stationary face, Viton elastomers <u>Lower</u> – silicon carbide rotating face, silicon carbide stationary face, Viton elastomers
➤ Suction Strainer:	- None – rests on a stand

PHYSICAL SPECIFICATIONS

➤ Discharge Size:	- 6" barbed hose connector
➤ Total Weight:	- 970 lbs. (pump only) 996 lbs. (w/std. cable)
➤ Height:	- 53" (bottom of stand to top of bail) 25-1/4" (bottom of stand to top of discharge connector)
➤ Width:	- 22" (O.D. – pump only) 38" (plan view footprint from discharge connector to O.D. of stand)



MATERIAL SPECIFICATIONS

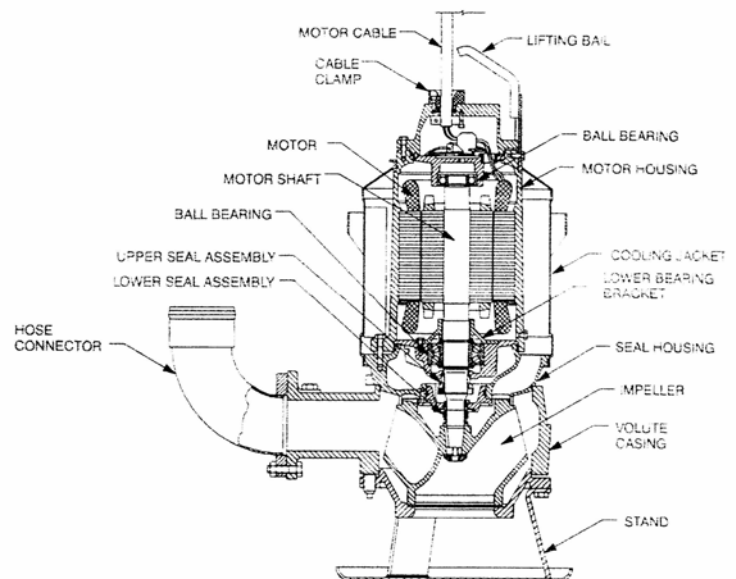
➤ Volute Casing:	- Gray Iron No. 30
➤ Motor Housing:	- Gray Iron No. 30
➤ Impeller:	- Ductile Iron No. 80-55-06
➤ Seal Housing:	- Gray Iron No. 30
➤ Motor Cooling Jacket:	- Ductile Iron
➤ Motor Shaft:	- Stainless Steel No. 329
➤ O-rings:	- Buna-N

ELECTRICAL SPECIFICATIONS

➤ Electric Motor:	- 43 H.P., 1750 RPM, air filled enclosure. 460 volt 3-phase, 60 Hz, 53.3 full load AMPS, NEMA Code F, 1.10 Service Factor
➤ Power Cable:	- Neoprene jacketed; (2) 8 AWG., 5 conductor power/control cables, 28 feet std length (1 conductor each cable used for moisture and thermal protection)
➤ Standard Features:	- Moisture sensor switch, thermal protection switches, star-delta or across-the-line motor wiring connection

Notes:

⁽¹⁾ Based on 1.0 specific gravity



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