

2GSUBST5 HIGH VOLUME TRASH



Global Pump® portable electric submersible pumps are ideal for corrosive and abrasive applications.

The Model 2GSUBST5 pump with 2" (50 mm) NPT and a 1.3 hp (1 kW) motor is ideal for high volume, low head applications.

FEATURES

Stainless steel strainer, shaft, impeller, outlet and hardware for maximum corrosion resistance

Mechanical seals in wholly enclosed pressure compensated oil chamber

Nitride hardened 410 stainless steel impeller for abrasive applications

Tandem tungsten carbide/tungsten carbide and tungsten carbide/tungsten carbide mechanical seals

Field adjustable nitrile rubber-lined diffuser/wearplate optimizes efficiency throughout the life of the pump

Equipped with sacrificial zinc anodes for maximum life in a saline fluid environment

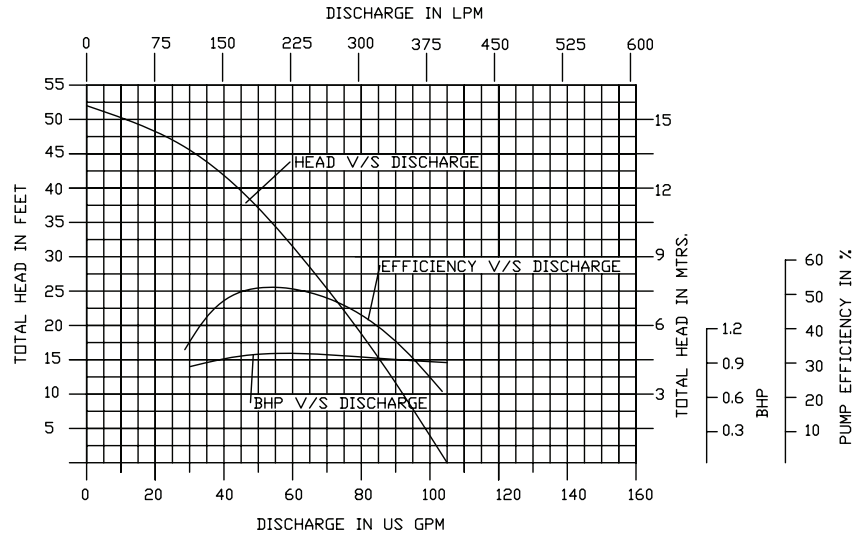
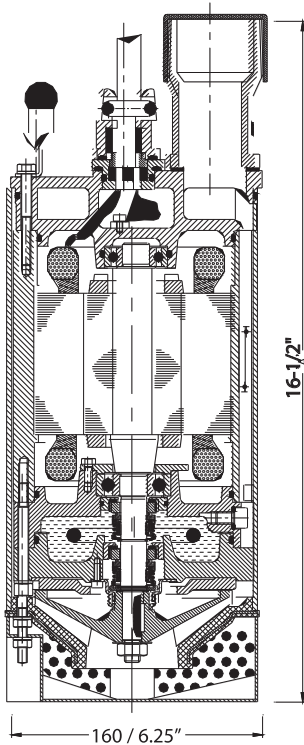
OPTIONS

Choice of impeller materials including 316 stainless steel for sea water and corrosive applications

Available in complete 316 stainless steel construction with silicon carbide/silicon carbide mechanical seals and viton elastomers

Automatic ON/OFF/ON thermal overloads embedded in stator winding (requires 6 core or control cable and external controls)

Polyurethane diffusers and wearplates available



SPECIFICATIONS

Size	2" (50 mm)
Power	1.3 hp (1 kW)
Max Flow	105 gpm (24 m ³ /h)
Max Head	52' (16 m)
Motor	2-pole induction continuous rated motor with squirrel cage rotor. Stator insulation class 'H' (180°C)
Speed (motor)	3,400 RPM @ 60 Hz, 2,800RPM @ 50Hz
Power Rating (motor)	1.3 hp @ 60 Hz, 1 kW @ 50 Hz Full Load
Current FLA (motor)	2 Amps @ 460v, 2.3 Amps @ 400v Three Phase; 19 Amps @ 115v, 10 Amps @ 220v Single Phase
Max. temperature of the pump liquid (motor)	104°F/40°C
Max. start/stop per hour (motor)	15
Power Supply	1 and 3 phase, 50/60 Hz, AC Supply. Available in any voltage frequency combination (208/220/230/380/415/460/575/1,000V)
Power Cable	50' (15 m) length standard
pH Range	5 - 8
Submergence	Submergence below liquid surface min. 5" (127 mm) max. 50' (15 m)
Weight (approx. w/o cable)	35 lbs. (16 Kg)

PUMP MATERIAL

Outer Casing	Epoxy-coated aluminum
Stator Casing	Epoxy-coated extruded aluminum
Diffuser/Wearplate	Nitrile rubber-lined (polyurethane optional)
Shaft	431 Stainless steel
Shaft Seal	Tandem tungsten carbide/tungsten carbide and tungsten carbide/tungsten carbide mechanical seals wholly enclosed in an oil chamber
Hardware	304 Stainless Steel
Impeller	Nitride-hardened 410SS to 56HRC (Standard)
Ball Bearings	Two single row deep groove ball bearing. Bearings enclosed with high temperature grease-containing special anti-corrosion additive
Power Cable	Waterproof/oil proof, rubber-insulated, neoprene-sheathed copper conductor flexible cable. Type SOOW in North America, EPR in the Middle East and HO7RN in the EU. 6 Core or Control cable with thermal overloads optional
Strainer	304 Stainless Steel with 0.25" (6 mm) round holes

GLOBAL PUMP

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