

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

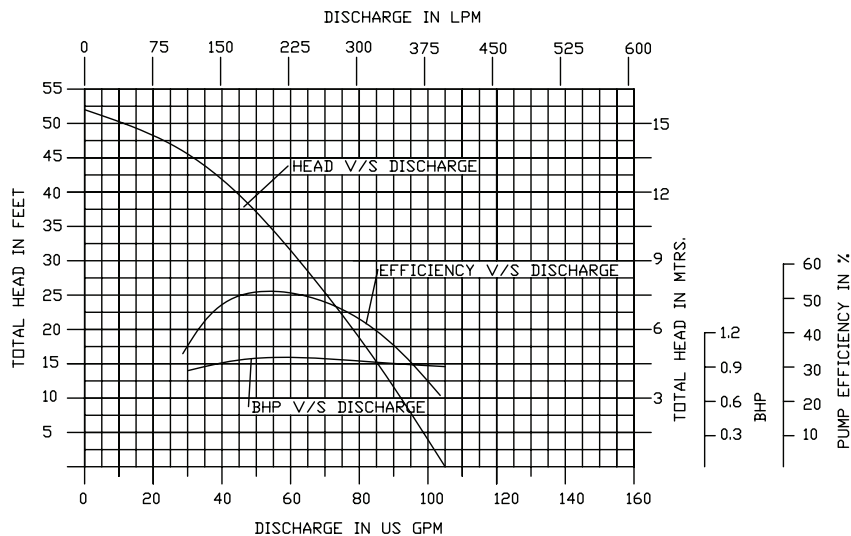
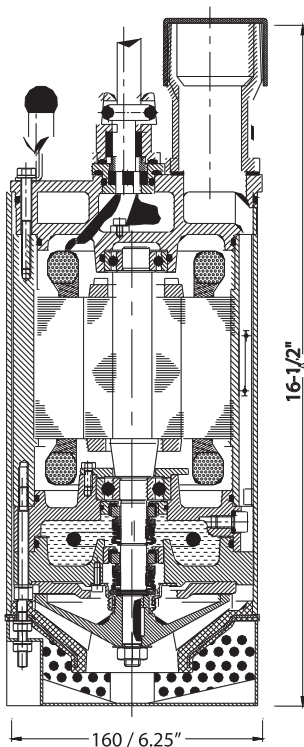
OPTIONS

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 m³/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 optiona |
| Strainer | 304 Stainless Steel with 0.25" (6 mm) round holes |



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