

4GSUBST10 HIGH VOLUME TRASH

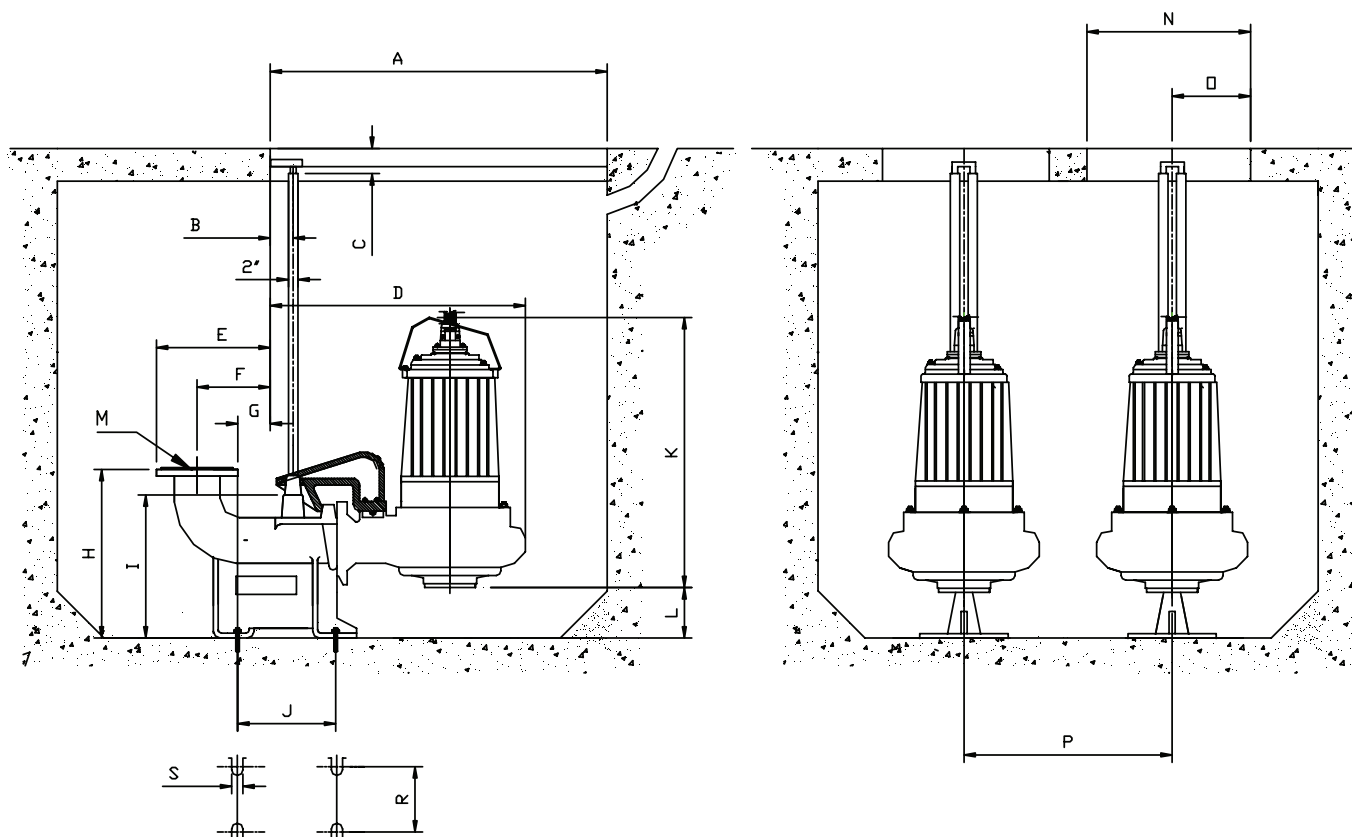


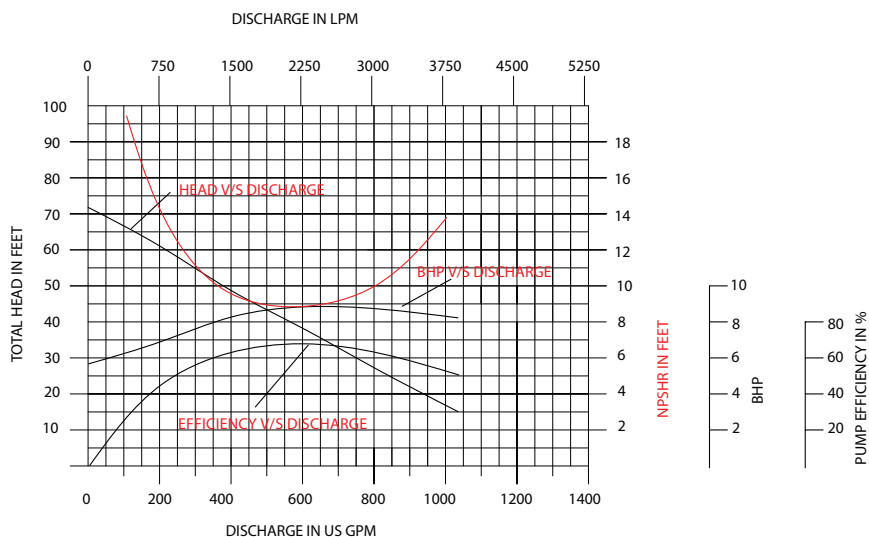
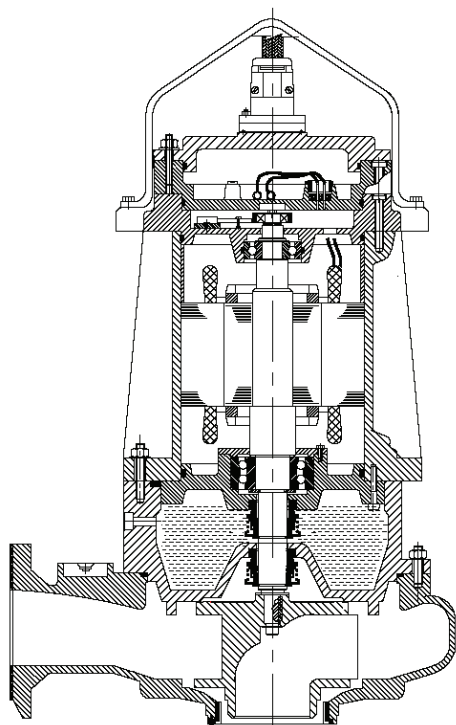
Global Pump® portable electric submersible pumps are ideal for stationary wet pit (P type) and mobile wet pit (S type) installation.

The Model 4GSUBST10 pump with 4" (100 mm) NPT and a 10 hp (7.5 kW) motor is ideal for medium volume, medium head applications.

STATIONARY (SEMI PERMANENT) WET PIT INSTALLATION

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	R	S
780	85	70	713	274	165	69	400	258	250	740	90	100	570	262	670	200	23





SPECIFICATIONS

Size	4" (100 mm)
Power	10 hp (7.5 kW)
Max Flow	1040 gpm (236 m³/h)
Max Head	72' (22 m)
Motor	4-pole induction continuous rated motor with squirrel cage rotor. Bi-metallic switches (thermal) embedded in stator winding to protect against overheating. Stator insulation class 'H' (180°C)
Speed (motor)	1,750 RPM @ 60 Hz, 1,450 RPM @ 50Hz
Power Rating (motor)	10 hp @ 60 Hz, 7.5 kW @ 50 Hz Full Load
Current FLA (motor)	14 Amps @ 460v, 16 Amps @ 400v
Solids Handling	3" (75 mm)
Max. temperature of the pump liquid (motor)	104°F/40°C
Max. start/stop per hour (motor)	15
Power Supply	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	6 - 11
Submergence	Submergence below liquid surface max. 33' (10 m)
Weight (approx. w/o cable)	P Type - 495 lbs. (225 Kg) S Type - 413 lbs. (188 Kg)

PUMP MATERIAL

Outer Casing	Cast Iron ASTM A48 Class 30 (FG220)
Impeller	Cast Iron ASTM A48 Class 30 (FG220)
O-rings	Nitrile rubber
Hardware	304 Stainless steel
Shaft	431 Stainless steel
Mechanical Seals	Tandem tungsten carbide/tungsten carbide upper and lower
Impeller	Nitride-hardened 410SS to 56HRC (Standard)
Ball Bearings	Rotor shaft carried in two ball bearings. Double row contact lower bearing capable of carrying high thrust and radial loads. Oversized deep groove single row upper 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
Surface Treatment	Primer with epoxy surface treatment coated with black chloric paint



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