



FEATURES

Casing: AISI 304 SS. Corrosion resistant, non-toxic, non-leaching.

Impeller: FDA compliant, glass filled Noryl®. Corrosion and abrasion resistant.

Mechanical Seal: Silicon/carbide sealing faces; all metal components of AISI type 300 stainless steel running in protected oil chamber.

Elastomers: BUNA-N.

Motor Shell and Lifting Handle: Constructed of AISI type 304 series stainless steel.

Shaft: AISI type 304 stainless steel high strength keyed pump shaft with impeller locking cap screw.

Discharge: 1¼" NPT vertical discharge connection.

Suction Strainer: Detachable for easy clean out.



Listed, 3 phase only

1SF/1SH

SUBMERSIBLE WATER PUMP



Bell & Gossett

a xylem brand

APPLICATIONS

Submersible water pumps designed for pumping out of reservoirs and storage tanks:

- Homes and farms
- Mobile home parks and motels
- Schools and hospitals
- Municipal applications
- Industrial applications
- Commercial applications

SPECIFICATIONS

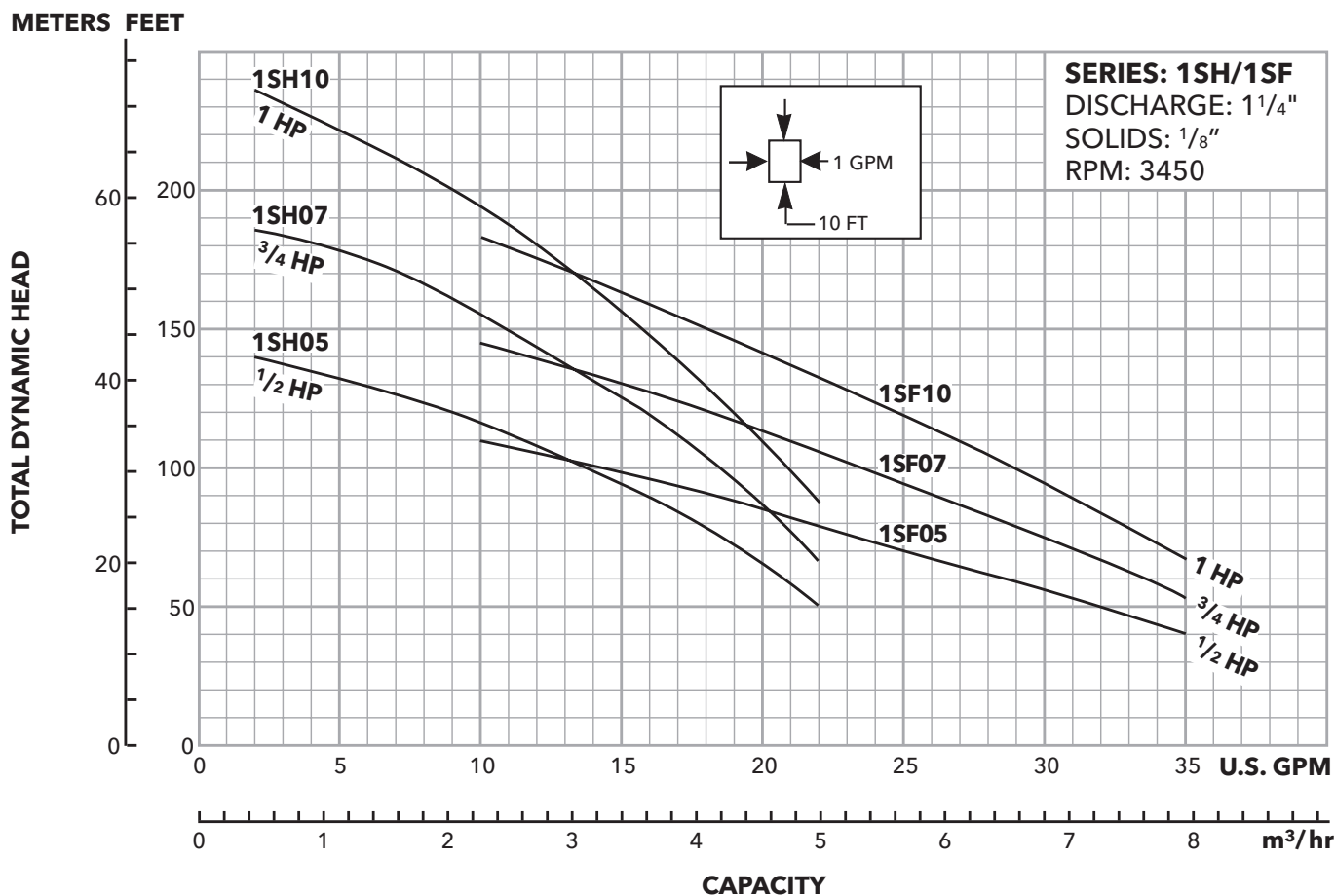
Pump

- 1¼" NPT discharge and open suction.
- Maximum suspended solids 1/8".
- Capacities: to 35 U.S. GPM (7.9 m³/h).
- Total heads: to 240 feet TDH (70 m).
- Temperature:
 - 104°F (40°C) continuous
 - 140°F (60°C) intermittent.
- Maximum submergence: to 65 feet (20 m).
- Continuous duty rated, non-overloading motor.

Motor:

- Single phase: 3450 RPM, 115 and 230 V, 60 Hz
- Three phase: 3450 RPM, 230 V and 460 V, 60 Hz
- Non-overloading
- Class F insulation
- cCSA_{us} listed, three phase only
- Thermal overload protection: built-in with automatic reset on single phase.
- Three phase models require external overloads in panel.
- Power cord: All 30' long.
 - Single phase - 16/3, with 115 V or 230 V plug
 - Three phase - 16/4 STO, bare leads

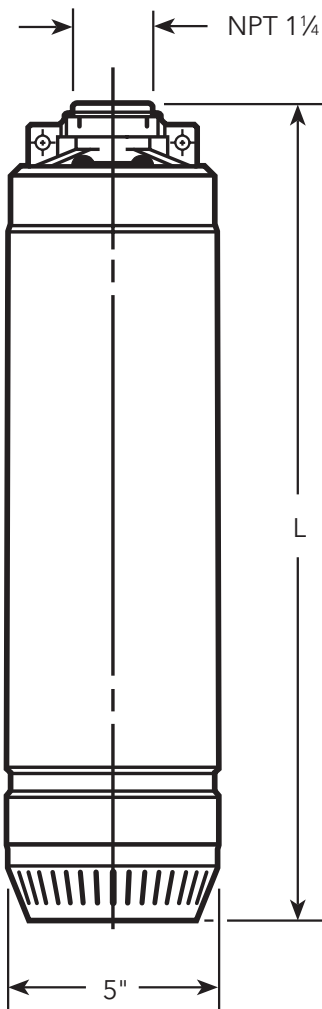
NOTE: See accessory section for separate control panels.



MECHANICAL DATA

Series	Number of Stages	HP	Volts	Phase	Maximum Amps	RPM	Weight (lbs.)	
1SH0511	3	½	115	1	10.6	3450	31	
1SH0512			230		4.5			
1SH0532				3	3.0			
1SF0511			115	1	10.7			
1SF0512					3			4.5
1SF0532			3	3.0				
1SH0712	4	¾	230	1	5.4		33	
1SH0732				3	3.5			
1SF0712				1	5.3			
1SF0732				3	3.5			
1SH1012	5	1		460	1		6.4	38
1SH1032					3		4.1	
1SF1012					1	6.8		
1SF1032					3	4.3		
1SF1034			3		2.2			

DIMENSIONS



Series	HP	Phase	"L" Dimensions in inches	Discharge Size
1SF/1SH	½	1,3	19⅞	1¼
	¾	1,3	20⅞	
	1	1,3	21¾	

Component	Material
Outer Casing and Upper Support	Stainless Steel (AISI 304)
Motor Casing	Stainless Steel (AISI 304)
Suction Strainer	Stainless Steel (AISI 304)
Motor Shaft	Stainless Steel (AISI 304)
Impeller	Noryl
Diffuser	Stainless Steel (AISI 304)
Upper Cover	Technopolymer
Mechanical Seal Housing	Technopolymer
Lower Bearing Support	Aluminum Die Cast
Lower Bearing	Urethane Resin
Elastomers	Buna-N
Lower Mechanical Seal	Silicon Carbide/Silicon Carbide
Upper Lip Seal	Nitrile Rubber



TYPICAL SPECIFICATIONS

The contractor shall furnish and install quantity _____, Model 1SF _____ High Head, or 1SH _____ High Flow submersible water pump(s) as illustrated on the plans and in accordance with the following specifications.

Single-phase models are available in: ½ HP/115 or 230V; ¾ and 1 HP/ 230V only. All single phase units are supplied with 30' power cords with bare leads. They feature built-in capacitors and automatic reset, on-winding overload protection.

Three phase units from ½ to 1 HP are available in 230V, they require Class 10 overload protection in a starter which is ordered separately. A 30' power cord with bare leads is supplied.

The air-filled, Class F insulated motors can be operated continuously without damage. Upper and lower sleeve bearings are Urethane. Maximum pump submergence is 65'.

Pumps shall be designed to pass 1/8" suspended solids and are designed to pump out of reservoirs and storage tanks for homes, farms or schools; in municipal, residential or industrial applications.

Materials of Construction: pump(s) shall be constructed of 304 stainless steel with Noryl Impellers. Water intrusion shall be prevented by an outer silicon carbide/silicon carbide/BUNA/SS mechanical seal and an upper Nitrile rubber lip seal.

SUCTION INLET CONNECTOR

- Created for the Rain Water Harvest Market
- Hose Inlet

Sold Separately as an accessory.

Part No. A9RW5



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