



# ITT

B1SC

Residential Water Systems

## Goulds Pumps

1SC Submersible  
Water Pump



### 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.

 **GOULDS PUMPS**

 Listed, 3 phase only

Goulds Pumps is a brand of ITT Corporation.

[www.goulds.com](http://www.goulds.com)

*Engineered for life*

### 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:

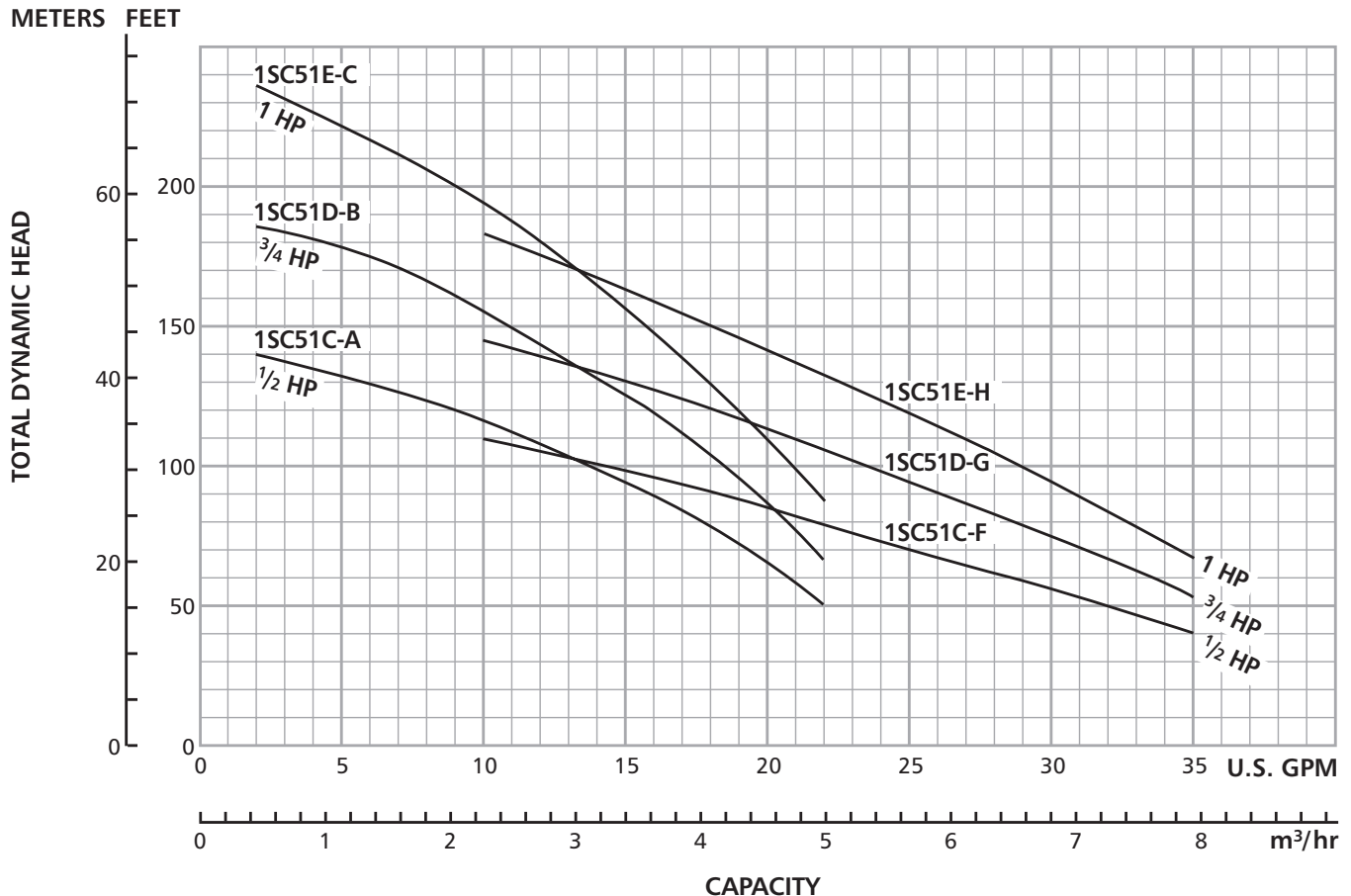
- 1 1/4" NPT discharge and open suction.
- Maximum suspended solids 1/8".
- Capacities: to 35 U.S. GPM (7.9 m<sup>3</sup>/h).
- Total heads: to 240 feet TDH (70 m).
- Temperature:
  - 104°F (40°C) continuous
  - 140°F (60°C) intermittent.

- 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, 60 Hz
- Non-overloading
- Class F insulation
- cCSA<sub>us</sub> 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

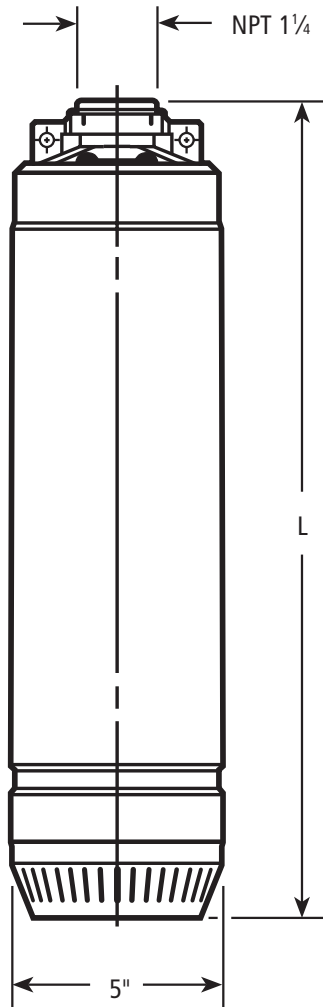
**NOTE:** See accessory section for separate control panels.



### MECHANICAL DATA

Series	Number of Stages	HP	Volts	Phase	Maximum Amps	RPM	Weight (lbs.)
1SC51C0AA	3	½	115	1	10.6	3450	31
1SC51C1AA			230		3		
1SC51C3AA							
1SC51C0FA		½	115	1	10.7		
1SC51C1FA			230		3		
1SC51C3FA							
1SC51D1BA	4	¾	230	1	5.4		33
1SC51D3BA				3	3.5		
1SC51D1GA				1	5.3		
1SC51D3GA				3	3.5		
1SC51E1CA	5	1	230	1	6.4		38
1SC51E3CA				3	4.1		
1SC51E1HA				1	6.8		
1SC51E3HA				3	4.3		

### DIMENSIONS



Series	HP	Phase	"L" Dimensions in inches	Discharge Size
1SC	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



ITT

2881 East Bayard Street, Seneca Falls, NY 13148

Phone: (315) 568-7123 • Fax: (315) 568-7973

[www.goulds.com](http://www.goulds.com)

Goulds Pumps is a registered trademark of ITT Corporation.  
 ITT, the Engineered Blocks Symbol and Engineered for Life are registered trademarks of ITT Manufacturing Enterprises, Inc.

Noryl is a registered trademark of GE Plastic.

Copyright © 2010 ITT Corporation B1SC December, 2010 Printed in U.S.A.  
 SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



*Engineered for life*