



# cast iron submersible sewage pumps

**Silicon Carbide Seals**



*The SC9/SCC9 Series Pump is a rugged, cast iron, submersible pump with a non-clog, two-vane, semi-open impeller and solids handling capability to 2". Unit available with 3/4 thru 2 HP single- and three-phase motors complete with 20' power cord. The SC9 Series has a 2" NPT vertical discharge. The SCC9 Series features a 3" NPT vertical discharge. A full selection of accessories for automatic operation is available, and includes float switches, simplex controllers, duplex controllers, basins, alarms and check valves.*

## APPLICATIONS\*

- Sewage, Effluent and Wastewater Removal and Transfer
- Sump Drainage
- Dewatering
- Flood Control

\*Oil-filled pumps are not appropriate for use in applications with fish.

## SC9/SCC9 SERIES

### SPECIFICATIONS

**Impeller/Volute Casing** – Cast iron  
**Upper and Lower Motor Housing** – Cast iron

**Shaft Seal** – *Primary:* Mechanical type 21 or equal, Buna-N elastomers, silicon carbide seal faces, stainless steel metal parts; *Secondary:* self-lubricating energized nitrile lip seal

**Bearings** – Ball type, oil lubricated

**Exterior Hardware and Nameplate** – Stainless steel

**Motor\*** – 3/4, 1, 1-1/2 and 2 HP, 1725 RPM, 230 Volt single-phase or 208-230/460 Volt three-phase, 60 Hz. Oil-filled. Built-in thermal overload protection with automatic reset and permanent split capacitor on single-phase only. Stainless steel motor shaft and impeller lock nut.

**Power Cord** – *Single Phase:* 20' UL/CSA Listed. 3-wire 16-3 SJTW-A/SJTW water resistant cord with integrally grounded three-prong plug.

*Three Phase:* 20' UL/CSA Listed.

4-wire 16-4 STW-A/STW water-resistant cord.

**Maximum Liquid Temperature Limits** – 130°F (55°C)

**Oil-Filled Capacitor** – Greatly enhances the continuous duty motor rating

### FEATURES

**Impeller** – Non-clog two vane semi-open style.

**Dual Shaft Seals** – Primary mechanical seal with a secondary self-lubricating lip seal.

**Solids Handling** – 2" spherical capability.

**Bearings and Mechanical Seal** – Permanently lubricated for long life.

**Overload Protection** – Built-in thermal overload with automatic reset on single phase.

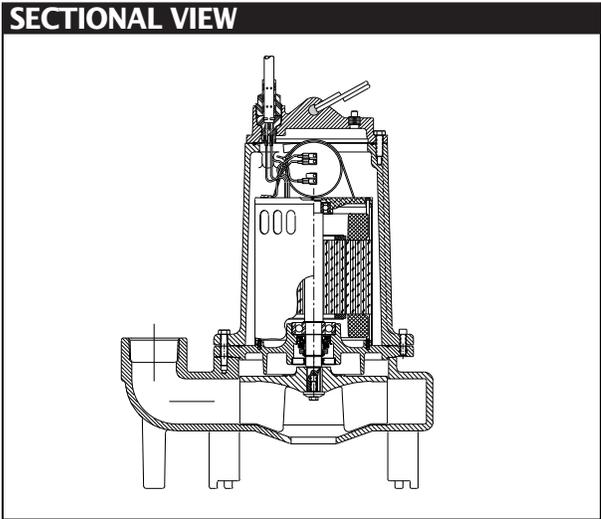
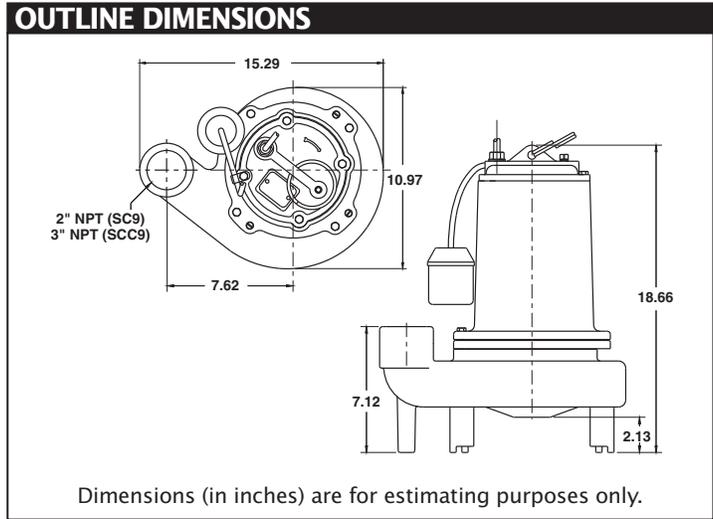
**Cord Design** – In-field replaceable 50' cord available.

**Serviceability** – Heavy-duty lift out ring, field serviceable.

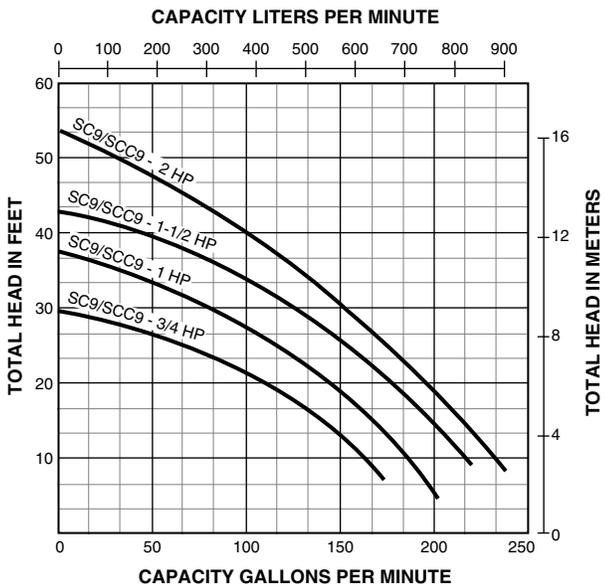
**Controls** – Standard controls are available for automatic operation.

In order to provide the best products possible, specifications are subject to change.

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### PUMP PERFORMANCE



### ORDERING INFORMATION

Catalog Number	HP	Max. Load Amps	Volts	Phase/Cycles	Cord Length	Mechanical Switch Type	Dis-charge
<b>SC9 SERIES</b>							
SC975220M	3/4	7.5	230	1/60	20'	Manual	2" NPT
SC975220T	3/4	7.5	230	1/60	20'	Tethered	2" NPT
SC975320M	3/4	8.0	208-230	3/60	20'	Manual	2" NPT
SC975420M	3/4	4.0	460	3/60	20'	Manual	2" NPT
SC9100220M	1	8.5	230	1/60	20'	Manual	2" NPT
SC9100220T	1	8.5	230	1/60	20'	Tethered	2" NPT
SC9100320M	1	8.5	208-230	3/60	20'	Manual	2" NPT
SC9100420M	1	4.1	460	3/60	20'	Manual	2" NPT
SC9150220M	1-1/2	12.0	230	1/60	20'	Manual	2" NPT
SC9150320M	1-1/2	9.0	208-230	3/60	20'	Manual	2" NPT
SC9150420M	1-1/2	4.7	460	3/60	20'	Manual	2" NPT
SC9200220M	2	13.0	230	1/60	20'	Manual	2" NPT
SC9200320M	2	10.0	208-230	3/60	20'	Manual	2" NPT
SC9200420M	2	5.3	460	3/60	20'	Manual	2" NPT
<b>SCC9 SERIES</b>							
SCC975220M	3/4	7.5	230	1/60	20'	Manual	3" NPT
SCC975220T	3/4	7.5	230	1/60	20'	Tethered	3" NPT
SCC975320M	3/4	8.0	208-230	3/60	20'	Manual	3" NPT
SCC975420M	3/4	4.0	460	3/60	20'	Manual	3" NPT
SCC9100220M	1	8.5	230	1/60	20'	Manual	3" NPT
SCC9100220T	1	8.5	230	1/60	20'	Tethered	3" NPT
SCC9100320M	1	8.5	208-230	3/60	20'	Manual	3" NPT
SCC9100420M	1	4.1	460	3/60	20'	Manual	3" NPT
SCC9150220M	1-1/2	12.0	230	1/60	20'	Manual	3" NPT
SCC9150320M	1-1/2	9.0	208-230	3/60	20'	Manual	3" NPT
SCC9150420M	1-1/2	4.7	460	3/60	20'	Manual	3" NPT
SCC9200220M	2	13.0	230	1/60	20'	Manual	3" NPT
SCC9200320M	2	10.0	208-230	3/60	20'	Manual	3" NPT
SCC9200420M	2	5.3	460	3/60	20'	Manual	3" NPT

**NOTE:** All SC9/SCC9 Series Pumps have 2" solids handling capability.