

# cast iron submersible sewage pumps





The SC7/SCC7 Series Pumps are rugged, cast iron, submersible pumps with non-clog vortex impellers and solids handling capability to 2". Available with 1/2 or 3/4 HP, 115 Volt or 230 Volt single-phase or 208-230 Volts three-phase motor complete with 20' power cord. The SC7 Series have a 2" NPT vertical discharge. The SCC7 Series have 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.

# SC7/SCC7 SERIES

#### SPECIFICATIONS

Volute Casing – Cast iron Impeller – Cast iron Upper and Lower Motor Housing – Cast iron Mechanical Seal – Type 6A or equal, Buna-N elastomers, silicon carbide seal faces, stainless steel metal parts

**Bearings** – Ball type, oil lubricated **Lower Motor Housing O-Ring** – Buna-N

**Exterior Hardware and Nameplate** – Stainless steel Motor\* - 1/2 and 3/4 HP, 1725 RPM, 115 Volt or 230 Volt single-phase or 230 Volt three-phase, 60 Hz. Oil-filled. Permanent split capacitor. Built-in thermal overload protection with automatic reset. Stainless steel motor shaft and impeller lock nut. **Power Cord** – *Single Phase:* 20' oil and water resistant 16-3 SJTW-A/ SJTW with UL Listed integrally grounded three-prong plug. Three Phase: 20' oil and water resistant 16-4 STW-A/STW Maximum Liquid Temperature Limits – 130°F (55°C) **Oil-Filled Capacitor** – Greatly enhances the continuous duty motor rating.

#### FEATURES

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

**Bearings and Mechanical Seal** – Permanently lubricated for long life. **Impeller** – Non-clog vortex style with integral rim to reduce casing and impeller wear.

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

**Stainless Steel Hardware** – Allows for easy disassembly after extended service.

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

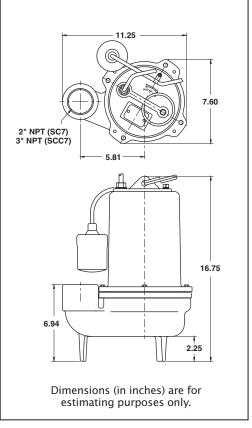
In order to provide the best products possible, specifications are subject to change.



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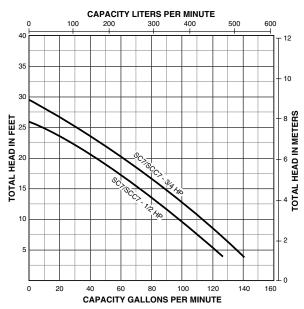
ORDERIN	NG I	NFO	RMATI	ON					
Catalog*		Max. Load		Phase/	Cord	Mechanical Switch	Dis	Switch Setting	
Number	HP	Amps	Volts	Cycles	Length	Туре	charge	On	Off
SC7 SERIES									
SC750120M	1/2	11.2	115	1/60	20'	Manual	2" NPT	_	—
SC750120T	1/2	11.2	115	1/60	20'	Tethered	2" NPT	20"	11"
SC750220M	1/2	5.5	230	1/60	20'	Manual	2" NPT	—	_
SC750220T	1/2	5.5	230	1/60	20'	Tethered	2" NPT	20"	11"
SC750320M	1/2	4.0	208-230	3/60	20'	Manual	2" NPT	—	_
SC750420M	1/2	2.0	460	3/60	20'	Manual	2" NPT	_	—
SC775120M	3/4	12.0	115	1/60	20'	Manual	2" NPT	—	—
SC775120T	3/4	12.0	115	1/60	20'	Tethered	2" NPT	20"	11"
SC775220M	3/4	6.7	230	1/60	20'	Manual	2" NPT	-	_
SC775220T	3/4	6.7	230	1/60	20'	Tethered	2" NPT	20"	11"
SC775320M	3/4	4.8	208-230	3/60	20'	Manual	2" NPT	—	_
SC775420M	3/4	2.4	460	3/60	20'	Manual	2" NPT	_	_
SCC7 SERIES									
SCC750120M	1/2	11.2	115	1/60	20'	Manual	3" NPT	—	_
SCC750120T	1/2	11.2	115	1/60	20'	Tethered	3" NPT	20"	11"
SCC750220M	1/2	5.5	230	1/60	20'	Manual	3" NPT	_	_
SCC750220T	1/2	5.5	230	1/60	20'	Tethered	3" NPT	20"	11"
SCC750320M	1/2	4.0	208-230	3/60	20'	Manual	3" NPT	_	_
SCC750420M	1/2	2.0	460	3/60	20'	Manual	3" NPT	_	_
SCC775120M	3/4	12.0	115	1/60	20'	Manual	3" NPT	—	_
SCC775120T	3/4	12.0	115	1/60	20'	Tethered	3" NPT	20"	11"
SCC775220M	3/4	6.7	230	1/60	20'	Manual	3" NPT	—	_
SCC775220T	3/4	6.7	230	1/60	20'	Tethered	3" NPT	20"	11"
SCC775320M	3/4	4.8	208-230	3/60	20'	Manual	3" NPT	_	_
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## **OUTLINE DIMENSIONS**

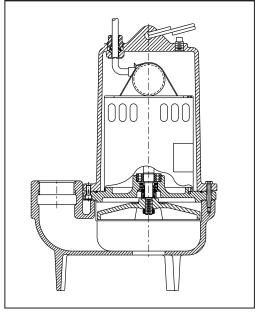


\*All SC7/SCC7 Series Pumps have 2" solids handling capabilities.

#### PUMP PERFORMANCE



### SECTIONAL VIEW





Customer Service: (888) 782-7483 = Fax Orders: (800) 426-9446 = www.pumps.com = Pentair Water = Delavan, WI 53115 USA = S3983SES (9/07)