

**PRO SERIES  
PUMPS**



# Primary Sump Pumps - ST Series

**ST1033 1/3 HP 2770 GPH @ 10'**  
Pumps 6.075 gallons per watt hour (G/Wh)\*

**ST1050 1/2 HP 3630 GPH @ 10'**  
Pumps 6.302 gallons per watt hour (G/Wh)\*



- Cast iron / cast aluminum construction
- Energy efficient PSC motors
- Caged-dual float switch with standard controller
- Continuous duty rated



**Industrial Grade for the Residential Market**

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\* Simply stated G/Wh links efficiency and performance by illustrating how many gallons of water are pumped using one (1) watt of electricity. For example, the 1/3 HP PHCC Pro Series ST1033 has a G/Wh of 6.075, the 1/2 HP ST1050 has a G/Wh of 6.302 - pumping 6.075 and 6.302 gallons of water respectively - per watt-hour used.

# Primary Sump Pumps - ST Series

## Features

- Cast iron/cast aluminum construction
- Energy efficient permanent split capacitor (PSC) motor
- Piggy-back dual float switch with protective cage
- Continuous duty rated
- Water cooled (no oil to leak)
- Stainless steel shaft
- Dual carbon/ceramic plus (1) buta seals
- 10' cord, pump and controller
- Will fit in 10" diameter sump pit
- 18-month warranty

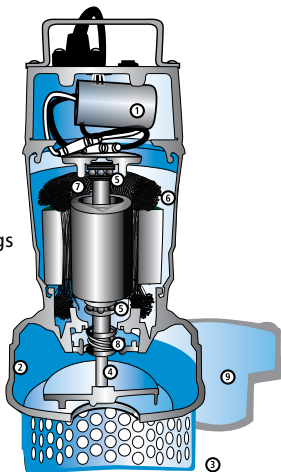
## Energy Savings

- The ST1033 pumps 6.075 gallons per watt hour (G/Wh), the ST1050 pumps 6.302 which is 172% and 111% more efficient than the competitive average of 1/3 and 1/2 HP sump pumps.
- ST series will save on average of \$57 per year (assumes industry average of 9.5 amps for HP 1/3 pumps and 10.5 amps for 1/2 HP pumps, \$.12 per kilowatt hour and running time of 5 minutes per hour)
- Pump will pay for itself in just a few years



## Pump Construction

1. Permanent split capacitor increases energy efficiency
2. Heavy duty all metal housing
3. Chrome plated steel strainer
4. Stainless steel shaft and fasteners won't rust
5. Upper and lower sealed ball bearings
6. Water cooled; no oil to leak
7. Thermally protected
8. (2) carbon ceramic shaft seal, (1) buta seal
9. 1 1/2" outlet (ST1033), 2" outlet (ST1050)



## Controller and Float Switches



Hose clamp secures float switch to discharge pipe and adjusts to any level

Backup float switch activates the pump when the water reaches the float

Protective cage prevents debris or wires from interfering with float operation and solid top keeps out sand and dirt. Vented, curved bottom prevents debris build-up under the float

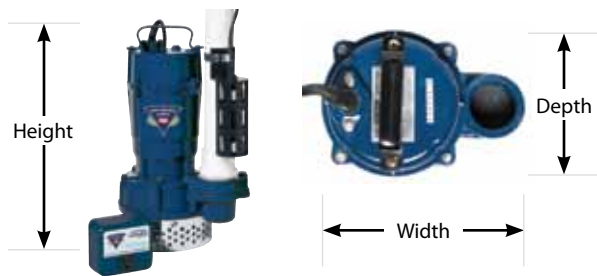
Primary float switch activates the pump which runs for 10 seconds after float drops

## Specifications

Pump	ST1033	ST1050
Flow @ 0 ft Head	4100 GPH / 68.3 GPM	5300 GPH / 88.3 GPM
Flow @ 10 ft Head	2770 GPH / 46.1 GPM	3630 GPH / 60.5 GPM
Max Head	31' (9.4 M)	36' (11.0 M)
Strainer	Chrome plated steel	Chrome plated steel
Discharge	1 1/2"	2"
Motor HP/Type	1/3 HP - PSC Motor	1/2 HP - PSC Motor
Voltage	115V, 60Hz	115V, 60Hz
Amp. Draw @ 10 ft Head	3.8 Amps	4.8 Amps

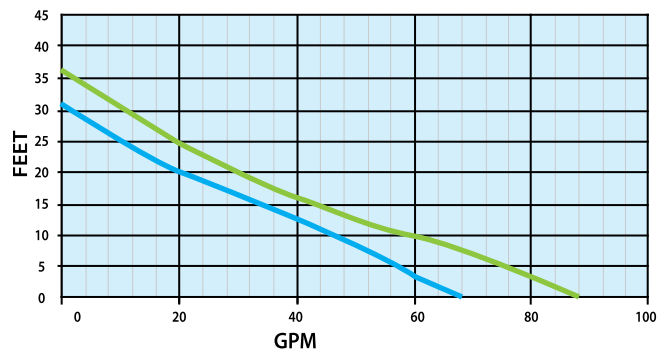
## Dimensions

Pump	ST1033	ST1050
Width	7 1/2" (19.1 cm)	10" (25.4 cm)
Depth	5" (12.78 cm)	6 1/2" (16.51 cm)
Height	13 3/4" (34.9 cm)	16 1/4" (41.28 cm)
Weight	17 lbs (7.7 Kg)	28 lbs (12.7 Kg)



## Flow Chart

— ST1033  
— ST1050



## Included with System

- Pump with 10' cord
- Dual float with standard controller (DFC1) w/ 10' cord
- Stainless steel hose clamp
- ST1050 includes 2" to 1 1/2" reducer

Available from: