



# PS-C33 Combination Primary and Backup Sump Pump System

Primary 1/3 HP 3000 GPH @ 10'  
Backup 2400 GPH @ 10'

- Pre-Assembled primary and backup pump system
- Energy efficient PSC motor
- Monitoring system for security and peace of mind
- Designed for use with wet cell or maintenance free batteries
- Output terminals for connection to a security system, auto dialer or other device



## Pro Series Batteries

### Standby Batteries

- Run the pump longer... for more hours per charge
- Lasts longer in standby operation
- Accommodates battery fluid sensor



B-2200

### Maintenance Free Batteries

Now Available:

B12-100



B12-90



Industrial Grade for the Residential Market

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# PHCC Pro Series Combination Primary and Backup Pump System

## Features

- Pre-Assembled for quick and easy installation
- Energy efficient PSC motor (primary pump)
- Continuous duty rated
- Dual float switches on primary and backup pumps
- Water cooled (no oil to leak)
- Automatically switches to battery power when AC fails
- Backup pump will assist primary pump if excessive amounts of water are entering the sump
- Detects irregularities, sounds an alarm, and pinpoints problems and solutions on control panel
- Maintains and recharges battery automatically
- Alarm can be silenced during a power outage
- Output terminals for connection to a security system, auto-dialer or other device
- Double the run time with two similar (2) Pro Series batteries
- Designed for use with wet cell or maintenance free batteries
- 3-year warranty

## Energy Savings

- PS-C33 saves on average \$55 per year

(Assumes industry average of 9.5 amps for 1/3 HP pumps and 10.5 amps for 1/2 HP pumps, \$12 per kilowatt hour and running time of 5 minutes per hour)



## Backup Pump Monitoring

### Will sound alarm indicating:

- **Battery needs water**
- **Battery is old and needs to be replaced**
- **Battery is discharged or defective**
- **Cable is loose or terminals are corroded**
- **Power, fuse or circuit breaker failed**
- **Pump has been activated; check the main pump for failure**

**Automatically tests pump weekly**

**Backup pump runs off AC power as well as battery power**

**Displays percentage of power remaining in battery**

Available from:

## Specifications

### Primary Pump

<b>Flow @ 10 ft. Head</b>	3000 GPH
<b>Max Head</b>	30' (9.1 M)
<b>Discharge</b>	1½" (3.8 cm)
<b>Motor HP/Type</b>	1/3 HP-PSC
<b>Voltage</b>	115V, 60Hz
<b>Amp. Draw @ 10 ft.</b>	4.0 Amps

### Backup Pump

<b>Flow @ 10 ft. Head</b>	2400 GPH
<b>Voltage</b>	12 VDC
<b>DC Current</b>	16.0 Amps

### Dimensions

<b>Width</b>	10.0" (25.4 cm)
<b>Depth</b>	11.0" (27.9 cm)
<b>Height</b>	23.7" (60.2 cm)
<b>Weight</b>	43 lbs. (19.5 Kg)

## Pro Series Batteries

### Battery Run Times

**Intermittent\***

<b>B-2200 (Standby)</b>	<b>60 Hours</b>
<b>B12-90 (Maintenance free)</b>	<b>50 Hours</b>
<b>B12-100 (Maintenance free)</b>	<b>70 Hours</b>

*\* Intermittent times are based on a 10% duty cycle (1 out of 10 min).  
Run times may vary based on the inflow of water.*

## Pump Construction

### Primary Pump

- Permanent Split Capacitor (PSC) motor
- Upper and lower sealed ball bearings
- Cast iron / stainless steel housing
- Stainless steel shaft
- Dual carbon ceramic shaft seals plus additional Buna N seal
- Stainless steel fasteners

### Backup Pump

- Non-corrosive ABS housing
- Stainless steel shaft
- Carbon ceramic seal w/ Buna N seal
- Non-corrosive fiber filled impeller

## Included with System

- Primary pump
- Backup pump
- Backup system controller/charger with fluid sensor
- Primary pump controller (DFC1) with caged dual float switch
- 1½" rubber union
- Assembly includes two (2) check valves and hardware
- Sump foot – raised platform for both pumps
- Battery box
- Battery fill bottle