PRO SERIES PUMPS

PHCC

Combination Primary and Backup Sump Pump Systems

Primary 1/3 HP 3000 GPH @ 10′
Backup 2400 GPH @ 10′
Pumps 6.3 gallons per watt hour @ 10′ (7.1 @ 0′)*

PS-C33

Primary 1/3 HP 2770 GPH @ 10′
Backup 1730 GPH @ 10′
Pumps 6.1 gallons per watt hour @ 10′ (9.2 @ 0′)*

PS-C22

Primary 1/3 HP 2770 GPH @ 10′
Backup 1000 GPH @ 10′
Pumps 6.1 gallons per watt hour @ 10′ (9.2 @ 0′)*

PS-C11

ENERGY EFFICIENT

- Pre-Assembled primary and backup pump systems
- Energy efficient PSC motors
- Monitoring system for security and peace of mind
- Designed for use with maintenance or maintenance free batteries (PS-C11 and PS-C33)

Pro Series Standby Batteries

- Last for more years - generally 5-7 (B-2200/B-1000)
- Accommodates battery fluid sensor (B-2200/B-1000)
- Maintenance free battery available (B12-90)

3 year warranty

Industrial Grade for the Residential Market

www.stopflooding.com 800-991-0466

*Simply stated, gallons per watt hour (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 S3033 (the primary pump of the PS-C33 system) has a G/Wh of 6.3 @ 10′ (7.1 @ 0′) – pumping 6.3 gallons of water per watt-hour used.

PHCC Pro Series Combination Primary and Backup Pump Systems

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 or auto-dialer (PS-C33 only)
- Can accommodate two (2) B-2200 batteries for 16 hours of continuous pumping (PS-C33 only)
- Designed for use with maintenance or maintenance free batteries (PS-C11 and PS-C33)
- 3-year warranty

Energy Savings

- PS-C11 and PS-C22 will save on average $57 per year, PS-C33 saves on average $55 per year
  (assumes industry average of 9.5 amps for ⅓ HP pumps and 10.5 amps for ½ HP pumps, $.12 per kilowatt hour and running time of 5 minutes per hour)

Backup Pump Monitoring

Monitoring	PS-C11	PS-C22	PS-C33
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 has 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 the battery			•

Available from:

Specifications

Primary Pump	PS-C11	PS-C22	PS-C33
Flow @ 10 ft Head	2770 GPH	2770 GPH	3000 GPH
G/Wh @ 0 ft / 10 ft	9.2 / 6.1	9.2 / 6.1	7.1 / 6.3
Max Head	31' (9.4 M)	31' (9.4 M)	30' (9.1 M)
Discharge	1½" (3.8 cm)	1½" (3.8 cm)	1½" (3.8 cm)
Motor HP/Type	⅓ HP-PSC	⅓ HP-PSC	⅓ HP-PSC
Voltage	115V, 60Hz	115V, 60Hz	115V, 60Hz
Amp. Draw @ 10 ft	3.8 Amps	3.8 Amps	4.0 Amps

Backup Pump	PS-C11	PS-C22	PS-C33
Flow @ 10 ft Head	1000 GPH	1730 GPH	2400 GPH
Voltage	12 VDC	12 VDC	12 VDC
DC Current	6.5 Amps	10 -12 Amps	9.0 Amps

Dimensions

Pump	PS-C11	PS-C22	PS-C33
Width	8.9" (22.6 cm)	8.9" (22.6 cm)	10.0" (25.4 cm)
Depth	11.0" (27.9 cm)	11.0" (27.9 cm)	11.0" (27.9 cm)
Height	23.7" (60.2 cm)	23.7" (60.2 cm)	23.7" (60.2 cm)
Weight	28.5 lbs (12.9 Kg)	32 lbs (14.5 Kg)	43 lbs (19.5 Kg)

Pump Construction

Primary Pump

- Permanent Split Capacitor (PSC) motor
- Upper and lower sealed ball bearings
- Cast iron/stainless steel housing (PS-C33), cast iron/cast aluminum housing (PS-C11, PS-C22)
- 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 (PS-C33), rulon seal (PS-C11, PS-C22)
- Non-corrosive fiber filled impeller (PS-C33), non-corrosive ABS impeller (PS-C11, PS-C22)

Included with the 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