



PRO SERIES PS-C11 Combination Backup and Primary Pumps Owner's Manual

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Pro Series Combination System – PS-C33

Features

- Pre-Assembled for quick and easy installation
- Compact footprint fits neatly into most sump pits
- Automatically switches to battery power when AC fails
- Unique monitoring controller detects irregularities, sounds an alarm, and pinpoints problems and solutions on control panel
- Primary pump with energy efficient PSC motor is continuous duty rated and water cooled
- Primary pump controller allows for adjustable pump run time and exercises pump weekly to extend pump life
- Dual float switches provide dependable activation for both primary and backup pumps
- Backup will assist primary pump if excessive amounts of water are entering the sump
- Maintains and recharges battery automatically
- Alarm can be silenced during a power outage
- Designed for use with wet cell or AGM / maintenance free batteries
- USB Data Port and Remote Terminals connect to external devices such as a Pro Series CONNECT Module, home automation systems or other devices for remote notification

Backup Pump Monitoring

PS-C11 PS-C22 Will sound alarm indicating:	PS-C33
Battery needs water	
Battery is old and needs to be replaced	
Battery is discharged	
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	

Connect

The Pro Series CONNECT Line of Pumps have the ability to send email or text notifications when there is an issue or needed maintenance.

Notification with the USB Data Port:

- With USB data port simply plug/attach the Pro Series CONNECT Module to your Pro Series 2400 Backup system and the module will act as a gateway to the internet
 - Receive specific text or email alerts telling you exactly what is going on in the home

Notification with the Remote Terminal

- Connects to a home security, auto dialer, or other dry contact based device
Now, you can 'be in-the-know when you're on-the-go'.

Specification

Primary Pump	PS-C11	PS-C22	PS-C33
Flow at 10' Head	2770 GPH	2770 GPH	3000 GPH
Max Head	29' / 8.8 m	29' / 8.8 m	30' / 9.1 m
Discharge	1½"	1½"	1½"
Motor HP	1/3	1/3	1/3
Voltage	115V, 60Hz	115V, 60Hz	115V, 60Hz
Amp. draw at 10'	3.8	3.8	4.0
Backup Pump	PS-C11	PS-C22	PS-C33
Flow at 10' Head	1000 GPH	1850 GPH	2400 GPH
Voltage	12 VDC	12 VDC	12 VDC
DC Current	6.5 Amps	10 - 12 Amps	16 Amps
Dimensions	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	26.8" (60.2 cm)	26.8" (60.2 cm)	28.8" (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
- Stainless steel shaft
- Dual carbon ceramic shaft seals plus additional Buna N seal
- Polycarbonate impeller
- Stainless steel fasteners

Backup Pump

- Non-corrosive ABS housing

- Stainless steel shaft and fasteners
- Carbon ceramic seal w/ Buna N seal
- Non-corrosive fiber filled impeller
- Dual ball bearings

Included with System

- Pre-assembled:
 - Primary pump
 - Backup pump
 - (3) 1½" Standard no hub couplings
 - (2) Standard check valves with hardware
 - Sump Foot – raises and secures both pumps
- Backup system controller/charger with fluid sensor
- Primary pump Enhanced controller with caged dual float switch (DFC1.5)
- Battery box

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Documents / Resources



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 PS-C11, PS-C22, PS-C33, PS-C11 Combination Backup and Primary Pumps, PS-C11, Combination Backup and Primary Pumps, Backup and Primary Pumps, Primary Pumps, Pumps