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XtremepowerUS 90168-2

XtremepowerUS 3HP Variable Speed High-Flo Pool Pump

MODEL: 90168-2 USER MANUAL

Brand: XtremepowerUS

1. Introduction

This manual provides essential information for the safe installation, operation, and maintenance of your XtremepowerUS 3HP Variable Speed High-Flo Pool Pump, Model 90168-2. This pump is designed for in-ground pools and spas, featuring a digital control interface and variable speed technology for energy efficiency. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your unit.

Key Features:

- 3.0HP self-priming pump with a durable, corrosion-proof polymeric housing.
- High-performance motor with built-in airflow ventilation and thermal overload protection for quiet and smooth operation.
- LCD screen displaying wattage consumption and speed settings.
- Self-contained 24-hour time clock with custom speed and timer functions.
- Energy Star Certified Variable Speed Motor for significant energy savings.
- Customizable programming for various tasks such as filtering, cleaning, heating, spa jets, and waterfalls.

2. Safety Information

WARNING: This product must be installed and serviced by a qualified pool professional in accordance with all applicable local and national codes and ordinances. Improper installation or operation can result in serious injury, death, or property damage.

- Always disconnect power to the pump before performing any service or maintenance.
- Ensure the electrical supply matches the pump's voltage requirements (230V).
- The pump must be permanently connected to a dedicated electrical circuit, protected by a Ground Fault Circuit Interrupter (GFCI).
- Do not operate the pump if it is damaged or has exposed electrical wiring.
- Keep children and unauthorized persons away from the pump and control panel.
- Maintain proper ventilation around the pump motor to prevent overheating.

3. Setup & Installation

Professional installation is highly recommended for this pool pump. Ensure the pump is installed on a solid, level foundation that can support its weight and is protected from excessive moisture and direct sunlight. The pump is designed for 1-1/2 inch and 2 inch pipe adapters, which are included for flexible plumbing connections.

Plumbing Connections: Connect the suction and discharge pipes to the pump using the appropriate adapters. Ensure all connections are watertight to prevent leaks and maintain prime. The pump is self-priming, but proper initial priming is crucial.

Electrical Connections: This pump requires a 230V electrical supply. All wiring must be performed by a licensed electrician and comply with local electrical codes. Ensure the circuit is protected by a GFCI.

OPTIMIZED SIZE

Adapter fitting 1.5" and 2" X 1 Sets



Figure 3.1: The XtremepowerUS 3HP Variable Speed Pool Pump showing its dimensions (23.7 inches long, 13.6 inches high) and the included 1.5-inch and 2-inch pipe adapters for plumbing connections.



Figure 3.2: The XtremepowerUS 3HP Variable Speed Pool Pump positioned next to an in-ground pool, illustrating its typical installation environment.

4. Operating Instructions

The XtremepowerUS 3HP Variable Speed Pool Pump features a user-friendly digital control interface for managing pump speeds and scheduling. The LCD screen provides real-time feedback on wattage consumption and current speed settings.

Control Panel Overview:

ENERGY EFFICIENT VARIABLE SPEED

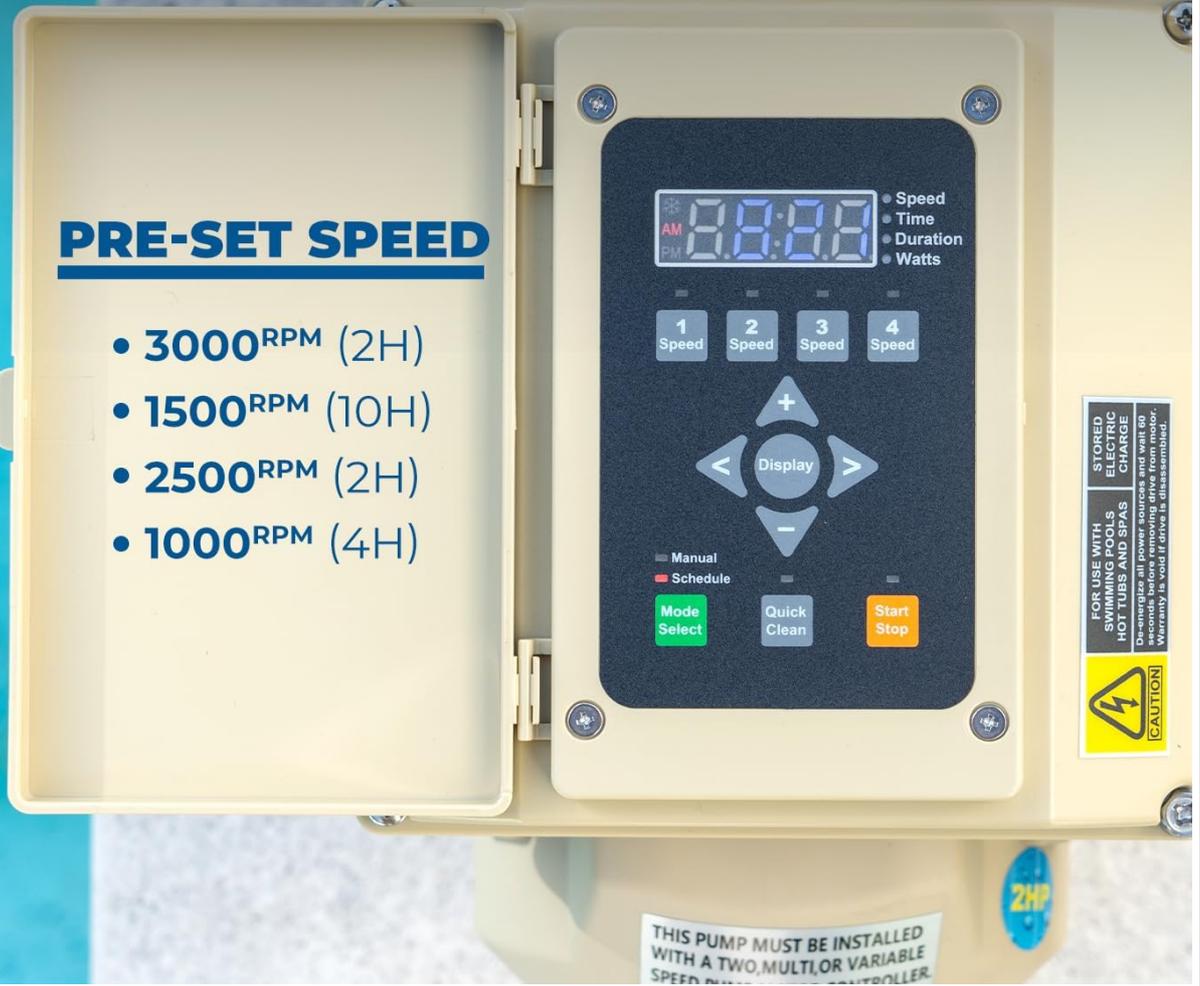


Figure 4.1: Detailed view of the digital control panel, showing the LCD display, speed selection buttons (1-4), navigation arrows, Mode Select, Quick Clean, and Start/Stop buttons. The display shows Speed, Time, Duration, and Watts.

POWERFUL PERFORMANCE



UP TO
8718 GPH
FLOW RATE



POOL SIZE UP TO
53,000 GALLONS

Figure 4.2: The control panel with pre-set speed options: 3000 RPM (2H), 1500 RPM (10H), 2500 RPM (2H), and 1000 RPM (4H), indicating customizable operation for different durations.

Setting Operating Modes:

- **Manual Mode:** Use the 'Mode Select' button to switch to manual operation. Adjust the pump speed using the arrow buttons and select one of the four pre-set speeds (1-4). Press 'Start/Stop' to begin or end operation.
- **Schedule Mode (24-hour Time Clock):** The pump features a built-in 24-hour time clock. In 'Schedule' mode, you can program custom speeds and durations for different times of the day. Refer to the detailed programming instructions in the full product manual for specific steps on adjusting start times, changing durations, and modifying RPMs for scheduled tasks.
- **Quick Clean:** Activate the 'Quick Clean' function for a temporary boost in pump speed, ideal for clearing debris or after heavy use.

The variable speed technology allows you to optimize pump performance for specific tasks, such as filtering, cleaning, heating, or operating spa jets and waterfalls, while minimizing energy consumption.

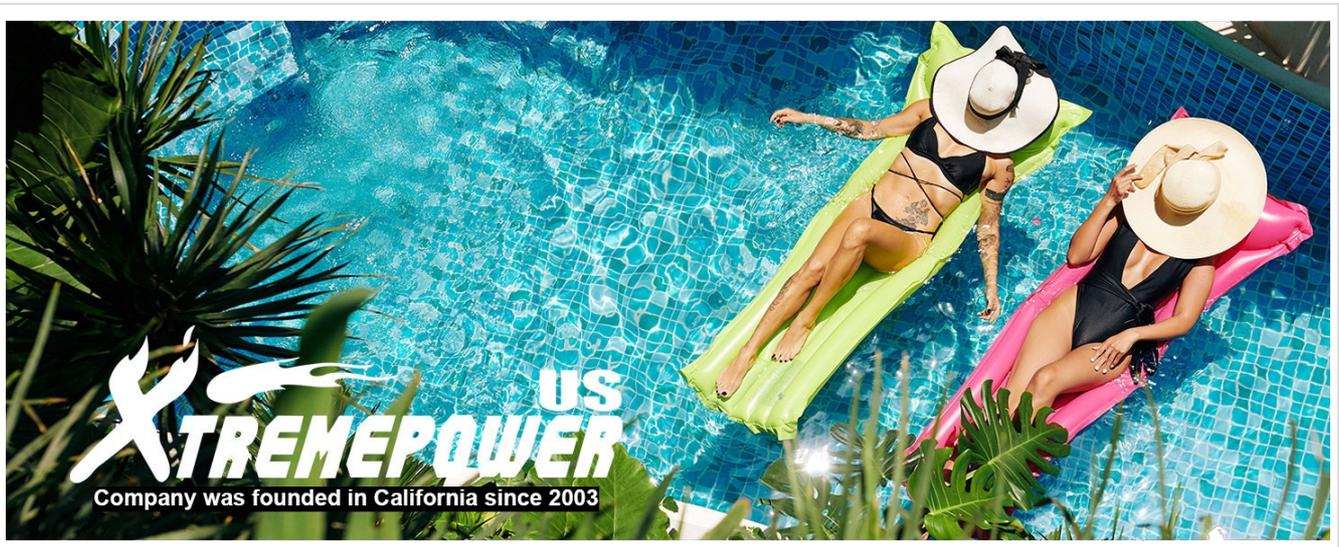


Figure 4.3: The pump's digital control interface, highlighting its smart control capabilities and integrated 24-hour time clock for automated operation.

Product Video Overview:

Your browser does not support the video tag.

Video 4.1: An overview of the XtremepowerUS 90168 Xtremeflow Variable Speed Pump, demonstrating its features and showcasing its operation in a pool environment. This video highlights the pump's power, programmable system, and TEFC motor.

5. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your pool pump.

- **Skimmer Basket Cleaning:** Periodically check and clean the skimmer basket to remove debris. A clogged basket can reduce pump efficiency and lead to cavitation.
- **Pump Housing Inspection:** Regularly inspect the pump housing for cracks, leaks, or signs of wear. Address any issues promptly to prevent further damage.
- **Motor Ventilation:** Ensure the motor's ventilation openings are clear of obstructions to allow for proper airflow and prevent overheating. The pump features a Totally Enclosed Fan-Cooled (TEFC) motor for enhanced durability.



TEFC MOTOR



QUIET
& ENERGY SAVING

Figure 5.1: The XtremepowerUS pool pump, highlighting its Energy Star certification and the Totally Enclosed Fan-Cooled (TEFC) motor, which contributes to quiet and energy-efficient operation.

6. Troubleshooting

If you encounter issues with your pump, refer to the following common troubleshooting steps. For complex problems, contact a qualified pool professional.

- **Pump Not Starting:** Check electrical connections, ensure the GFCI has not tripped, and verify the power supply. Confirm the control panel is set to an active operating mode.
- **Low Flow/Poor Suction:** Inspect the skimmer and pump baskets for debris. Check for air leaks in the suction line or a low water level in the pool. Ensure the pump is properly primed.
- **Unusual Noise:** A grinding or loud noise can indicate a foreign object in the impeller, worn bearings, or cavitation due to insufficient water flow. Disconnect power and inspect the impeller area.
- **Motor Overheating/Shutting Off:** Ensure adequate ventilation around the motor. Check for proper voltage supply. Clean any debris from the motor's fan. The thermal overload protection will shut off the pump if it overheats.
- **Error Codes on LCD:** Consult the full product manual for a list of specific error codes and their corresponding

troubleshooting steps.

7. Specifications

Specification	Detail
Brand	XtremepowerUS
Model Number	90168-2
Horsepower	3 HP
Voltage	230 Volts
Power Source	Corded Electric
Material	Polypropylene, Polycarbonate
Color	Beige
Item Weight	35.1 pounds
Package Dimensions	25.5 x 14.5 x 11 inches
Maximum Lifting Height	23.5 Meters
Pipe Adapters	1-1/2 inch & 2 inch
Certifications	Energy Star Certified
UPC	840166546581

8. Warranty and Support

For warranty information and customer support, please refer to the documentation included with your purchase or contact XtremepowerUS directly. Keep your proof of purchase for warranty claims.

Contact Information: Please visit the official XtremepowerUS website for the most current support contact details, including phone numbers and email addresses.