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VARMINPOOL XKP1307BP

VARMINPOOL 1.8 HP Variable Speed Pool Pump Instruction Manual

Model: XKP1307BP

IMPORTANT SAFETY INFORMATION

General Safety Precautions

- Always disconnect power before servicing the pump.
- Installation must comply with local electrical codes and regulations.
- Ensure the pump is properly grounded to prevent electrical shock.
- Do not operate the pump if any part is damaged or missing.
- Keep children and unauthorized persons away from the pump during operation.
- Wear appropriate personal protective equipment (PPE) during installation and maintenance.

Electrical Safety

- This pump operates on 220V. Verify your power supply matches the pump's requirements.
- All wiring should be performed by a qualified electrician.
- Protect electrical connections from moisture.

Water Safety

- Ensure proper water flow to the pump to prevent dry running, which can cause damage.
- Maintain proper water chemistry in your pool to ensure optimal pump performance and longevity.

PRODUCT OVERVIEW

The VARMINPOOL 1.8 HP Variable Speed Pool Pump is designed for both above-ground and in-ground pools, offering efficient and customizable water circulation. Featuring a permanent magnet motor and inverter technology, it provides variable speed control (1200-4000 RPM) to optimize performance and reduce energy consumption. Its robust construction ensures durability in various environments, including saltwater pools.

Key Features

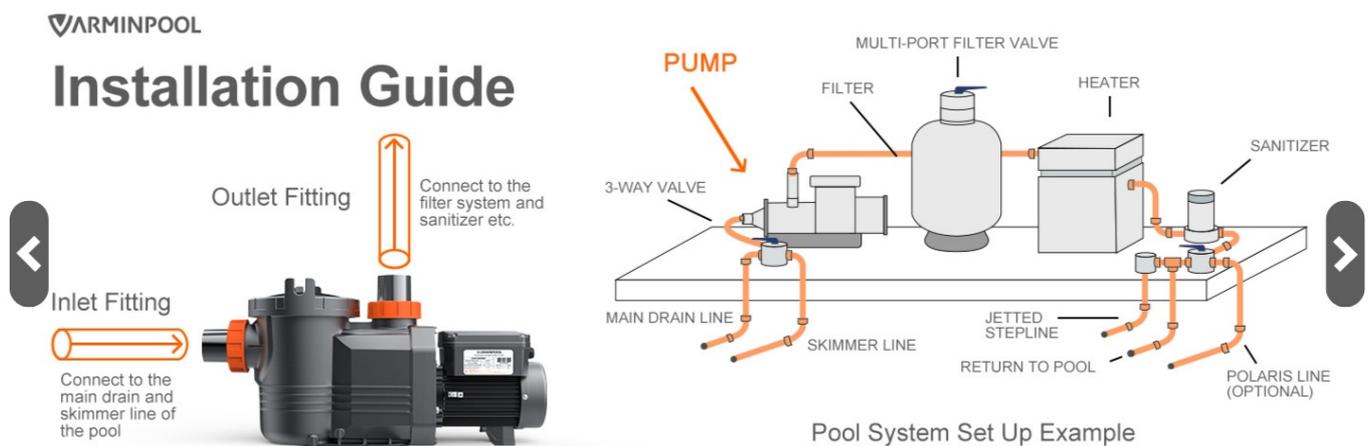
- **High-Efficiency Variable Speed:** Adjustable from 1200 to 4000 RPM for various pool needs.
- **Energy Saving:** Up to 80% energy cost reduction compared to single-speed pumps.
- **Durable Construction:** Weather-resistant, industrial-grade casing with a protective rain shell.
- **Saltwater Compatible:** Reinforced polymer flow chamber resists complex compounds.
- **Smart Control Unit:** Centralized control for customized scheduling and speed settings.

SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your VARMINPOOL pump. Refer to the detailed steps below and consult the accompanying video guides for visual assistance. If you are unsure about any step, it is recommended to consult a professional pool engineer or qualified electrician.

1. Site Preparation

- Choose a level, stable surface for the pump, preferably on concrete blocks to raise it slightly above ground level.
- Ensure adequate ventilation around the pump and protect it from direct sunlight and excessive moisture. The included rain shell provides additional protection.



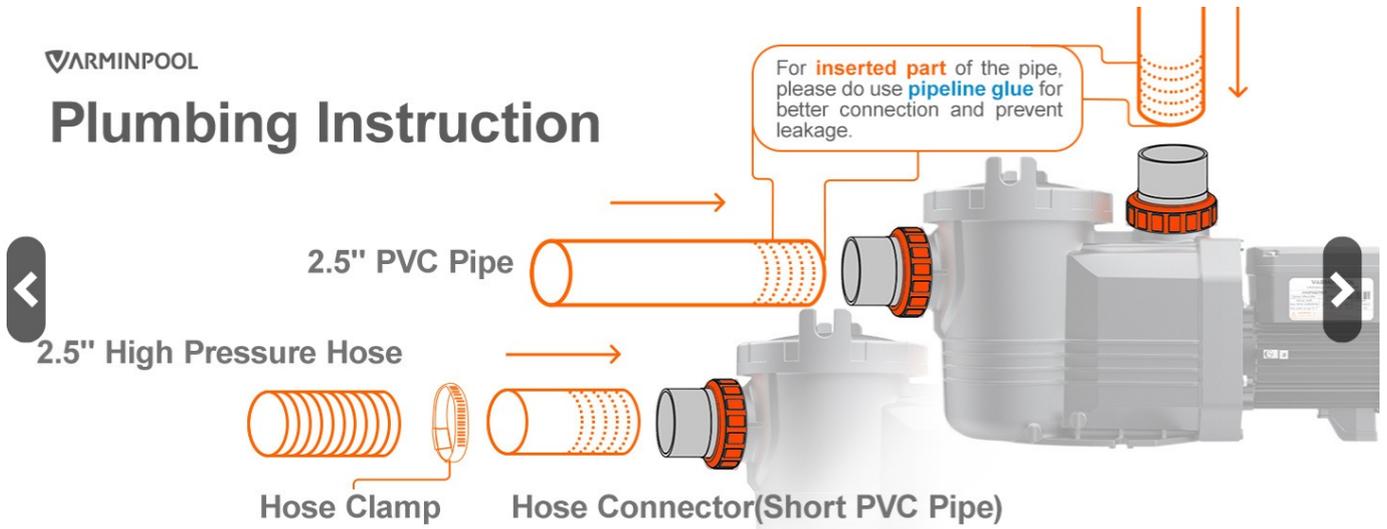
*Always find a professional pool engineer to assist you and set up the optimized pool that suit you the best.

Image: Example of proper site preparation for the pool pump, showing it elevated on concrete blocks.

2. Plumbing Connections

- The pump features 2.5-inch inlet/outlet hose connections. Ensure your existing plumbing is compatible or adapt as necessary.
- Use PVC pipe and appropriate fittings. Apply pipeline glue for secure, leak-proof connections.
- Connect the inlet fitting to the main drain and skimmer line of the pool.
- Connect the outlet fitting to the filter system, heater, and sanitizer.

Plumbing Instruction



*Always find a professional pool engineer to assist you and set up the optimized pool that suit you the best.

Image: Diagram illustrating plumbing connections for the pool pump, showing inlet and outlet points.

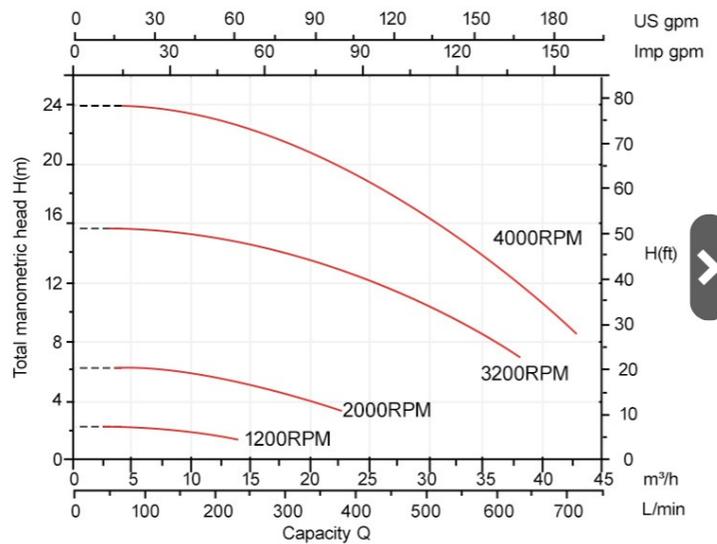


Image: Example of a complete pool system setup, including the pump, filter, heater, and sanitizer connections.

3. Electrical Connections

- Ensure the main power supply to the pool equipment is OFF before making any electrical connections.
- The pump requires a 220V power supply. Connect the hot, neutral, and ground wires according to local electrical codes and the pump's wiring diagram.
- Secure all connections within a weather-resistant electrical box.

4. Initial Priming

- Before starting the pump, remove the lid of the filter basket and fill the basket with water.
- Replace the lid securely.
- Turn on the power. The pump's self-priming function will activate, drawing water from the pool.
- Monitor the pump for proper water flow and check for any leaks.

Installation Video Guide

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Video: A detailed guide on how to install the VARMINPOOL pool pump, covering plumbing and electrical connections.

OPERATING INSTRUCTIONS

The VARMINPOOL pump features a smart control unit with an LED display and intuitive buttons for easy operation and scheduling.

Control Panel Overview



VARMINPOOL

Intelligent

Smart Control Unit 

- **1200-4000 RPM**
Step-less speed control
- By setting up the optimized operating schedule, the system will be operates automatically and keeping the pool always under the best condition with **up to 80%** reduction in energy cost.

Image: Close-up of the pump's control panel, showing the LED display and various control buttons.

- **LED Display:** Shows current RPM, wattage, and operational status.
- **Speed Buttons (1-4):** Select one of four preset speeds.
- **Menu/ESC:** Navigate through settings or exit a menu.
- **Arrow Buttons:** Adjust values or move through menu options.
- **Enter:** Confirm selections.
- **Play/Pause:** Start or stop pump operation.

Variable Speed Control

The pump offers stepless speed control from 1200 to 4000 RPM. Use the preset speed buttons (Speed 1-4) to quickly switch between common operating modes for filtration, heating, cleaning, or daily circulation.

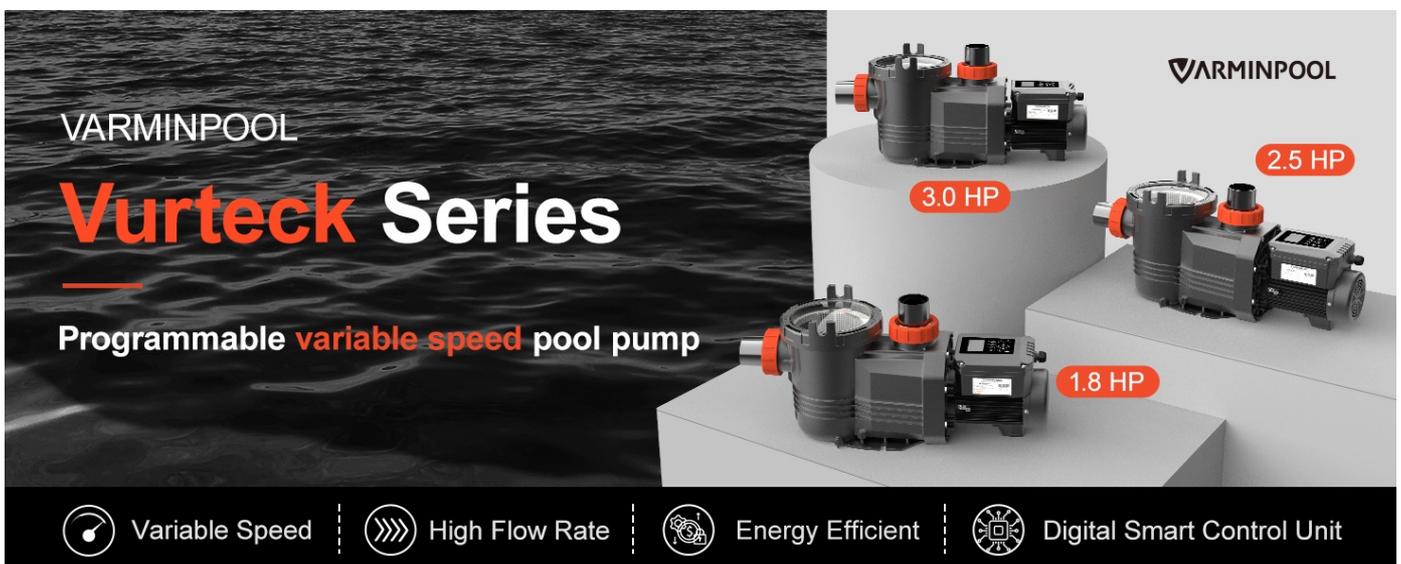


Image: Visual representation of the pump's variable speed capabilities and control.

Scheduling Automatic Operation

You can program up to four different operation schedules to automate pump activity, optimizing energy use and pool condition. This allows for 24-hour automatic control.

- Access the "Schedules" menu via the control panel.
- Set "Time On" and "Time Off" for each schedule.
- Assign a desired speed (RPM) for each scheduled period.
- Example: Run at lower RPM during off-peak electricity hours and higher RPM for shorter periods during peak filtration needs.

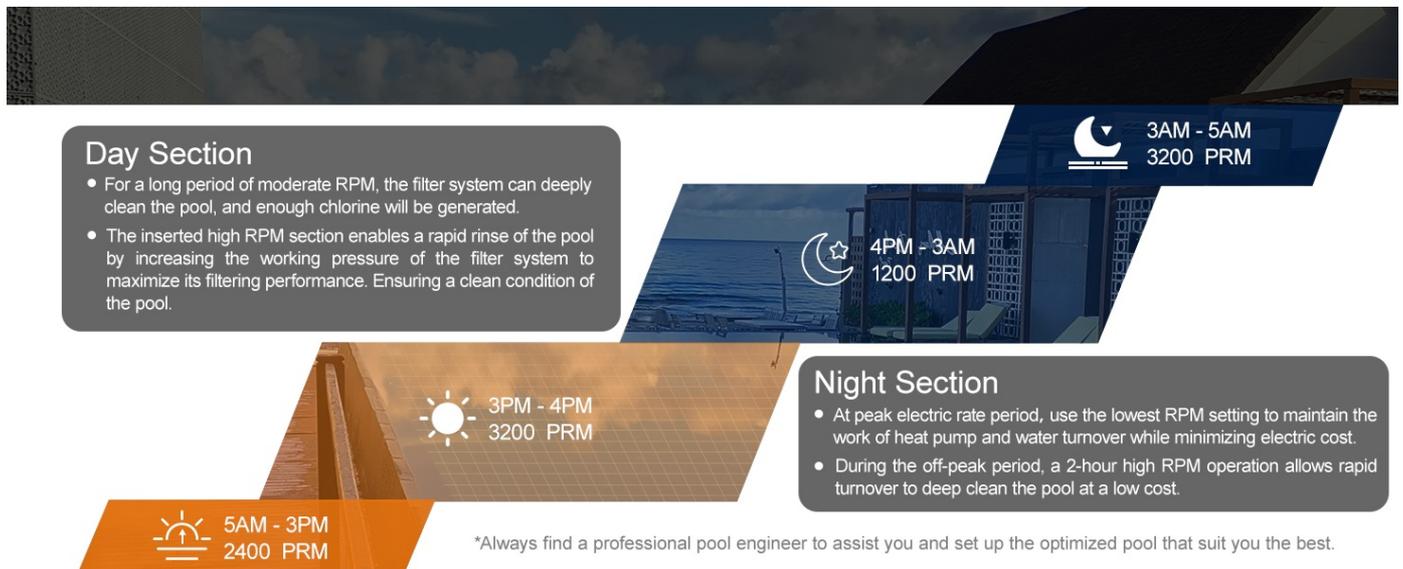


Image: Screenshot of the pump's scheduling interface, showing options for setting time and speed.

VARMINPOOL

Set & Optimized

Plan the 24-hour operation schedule with optimized speed in different time period allows all units in the pool system including filter system, chlorine generator and heat pump work in their best performance and provide you the best pool condition while maximizing overall cost effectiveness without hesitations of frequently manual operations.

- Maximized Cost Effective**
- Automatic Operation**
- All Day Schedule**

*Always find a professional pool engineer to assist you and set up the optimized pool that suit you the best.

Image: Example of a 24-hour operation schedule for the pool pump, illustrating different speeds for different times of day.

Operation Video Guide

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Video: Overview of the VARMINPOOL Variable Speed Pool Pump, demonstrating its features and operation.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your VARMINPOOL pump.

Filter Basket Cleaning

- Periodically inspect the 4-liter extra-large filter basket for debris.
- Turn off the pump and disconnect power before opening the filter basket lid.
- Remove the basket, empty debris, and rinse thoroughly with water.
- Reinsert the clean basket and securely close the lid.

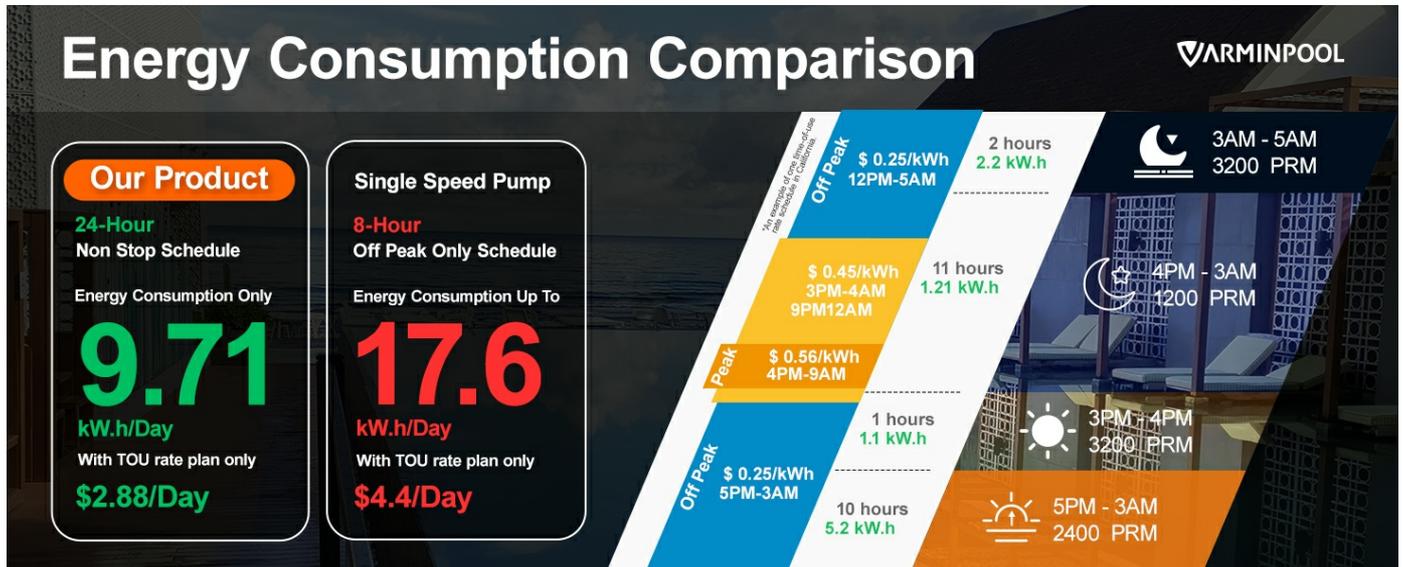


Image: Illustration of the 4-liter extra-large filter basket, highlighting its easy monitoring and maintenance.

Weather Protection

- The pump is built with a weather-resistant, industrial-grade casing and includes a protective rain shell.
- Ensure the rain shell is properly installed over the control unit to protect it from elements.
- For prolonged periods of inactivity or extreme weather, consider additional protective measures.

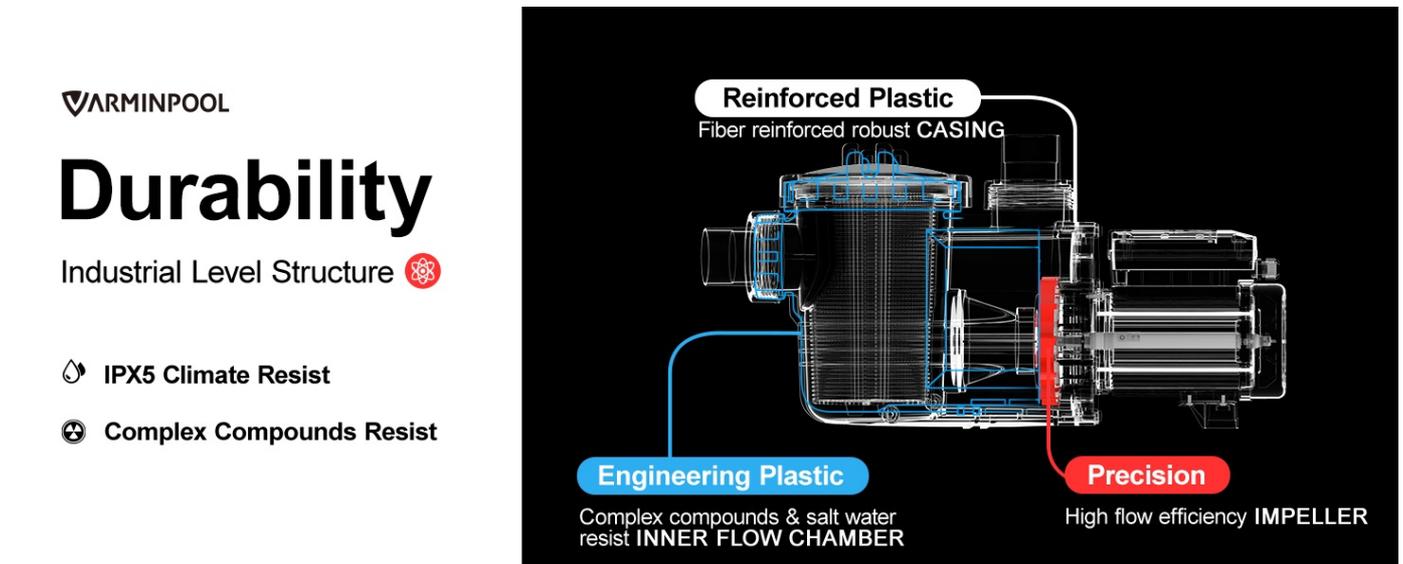


Image: Diagram showing the robust casing and included rain shell for enhanced weather resistance.

Winterization (if applicable)

- In colder climates, follow standard pool winterization procedures, including draining the pump and plumbing lines to prevent freeze damage.

TROUBLESHOOTING

This section provides general guidance for common issues. For complex problems or if you are unsure, please contact customer support.

Pump Not Starting

- **Check Power:** Ensure the pump is plugged in and the circuit breaker is not tripped.
- **Verify Wiring:** Confirm all electrical connections are secure and correct (220V).
- **Control Panel:** Check if the pump is in a paused state or if a schedule is preventing immediate start.

Loss of Prime / No Water Flow

- **Filter Basket:** Ensure the filter basket is full of water and the lid is sealed tightly.
- **Air Leaks:** Inspect all plumbing connections for air leaks. Tighten any loose fittings.
- **Water Level:** Ensure the pool water level is above the skimmer opening.

Unusual Noise

- **Debris:** Check the filter basket and impeller for any trapped debris.
- **Air in System:** Air leaks can cause cavitation and noise. Check for proper priming and sealed connections.
- **Motor Issues:** If the noise persists and is mechanical, discontinue use and contact support.

SPECIFICATIONS

Feature	Specification
Power	1.8 HP / 1.3 KW
Maximum Flow Rate	9114 GPH
Voltage	220 V
Maximum Head	64 ft
Inlet / Outlet Hose Size	2.5 inches
Product Dimensions (L x W x H)	27.2" x 9.06" x 13.72"
Item Weight	32.19 lbs
Waterproof Rating	IPX5
Speed Range	1200-4000 RPM
Motor Type	Permanent Magnet Motor
Material	Cast Iron (Motor), Reinforced Polymer (Flow Chamber)

VARMINPOOL

Pump Size Parameter

Inlet/Outlet Fitting Size : **2.5"**

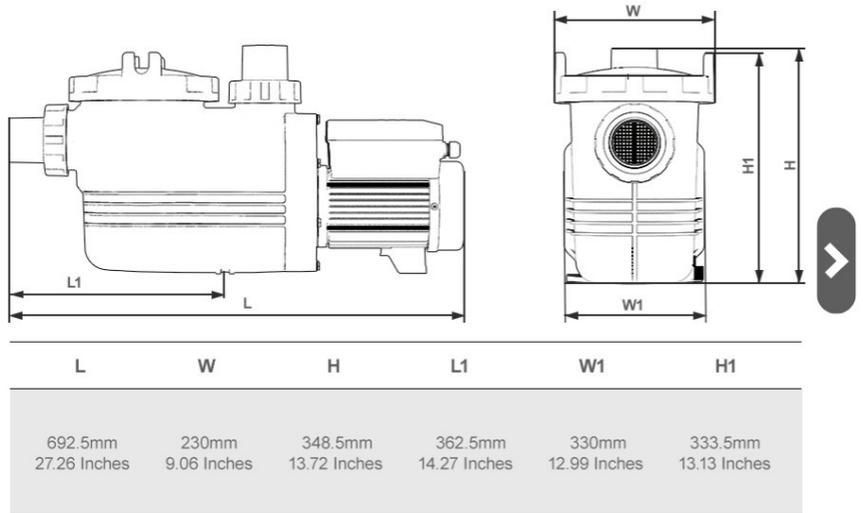


Image: Diagram showing key specifications and dimensions of the VARMINPOOL 1.8 HP Variable Speed Pool Pump.

WARRANTY INFORMATION

The VARMINPOOL 1.8 HP Variable Speed Pool Pump comes with a **24-month product protection**. This warranty covers manufacturing defects and ensures reliable performance under normal use conditions. Please retain your proof of purchase for warranty claims.

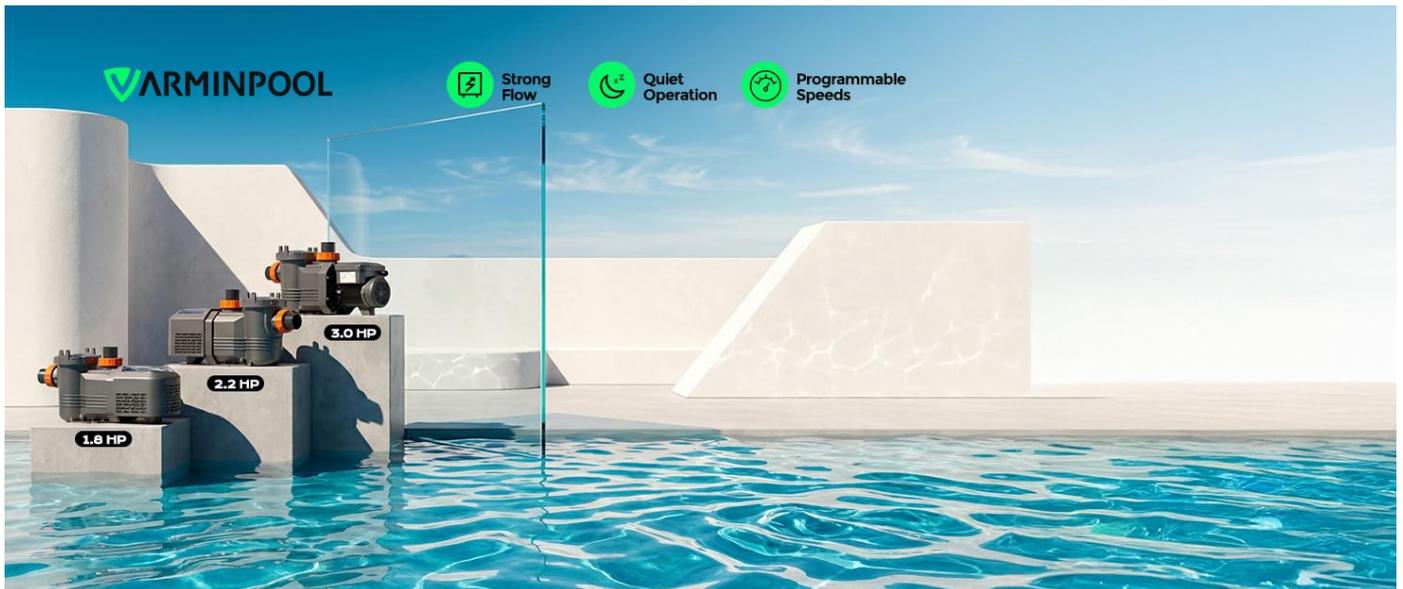


Image: Information regarding VARMINPOOL's product protection and customer support.

CUSTOMER SUPPORT

For any questions regarding setup, installation, operation, maintenance, or troubleshooting, please contact VARMINPOOL customer support. Our team is available to provide practical, step-by-step assistance.

Email: support@varminpool.com

Phone: (978)736-6880 (Mon-Fri, 9am-6pm ET)

Our support team typically responds within 24 hours.



U.S.-BASED CUSTOMER SUPPORT

Need help with setup, installation, or troubleshooting?

We will reply to you within **24 hours**.

24 Hours

support@varminpool.com

(978)736-6880 (Mon-Fri, 9am-6pm ET)

Image: Contact details for VARMINPOOL customer support, including email and phone number.