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VARMINPOOL XKP1307BP

VARMINPOOL 1.8HP Variable Speed Pool Pump User Manual

Model: XKP1307BP

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VARMINPOOL 1.8HP Variable Speed Pool Pump. Designed for both in-ground and above-ground swimming pools, this pump features a high-performance permanent magnetic motor, delivering a powerful flow rate of up to 9114 GPH while maximizing energy efficiency. Its advanced inverter technology allows for stepless variable speed control and programmable operation, ensuring optimal pool conditions with reduced energy consumption. Please read this manual thoroughly before use to ensure safe and efficient operation.



Figure 1: Exploded view of the VARMINPOOL 1.8HP Variable Speed Pool Pump, showing the main unit, filter basket, and connection points.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your pool pump. Refer to the following steps and accompanying video for guidance. For optimal use, please refer to the instruction manual and accompanying video guides. These resources provide detailed information on setting up and maximizing the efficiency of your variable speed pump.

- **Placement:** Ensure the pump is placed on a stable, level surface. The durable construction with weather-resistant, industrial-grade casing makes it ideal for outdoor use. An additional protective rain shell is featured for continuous, reliable performance.
- **Plumbing Connections:** The pump features 2.5-inch inlet/outlet hose sizes. Connect the pump to your pool's filtration system. The reinforced polymer flow chamber offers superior resistance to complex compounds in pool water, suitable for all water types, including saltwater pools.
- **Electrical Connection:** This pump operates on 220V. Ensure all electrical connections are performed by a qualified electrician in accordance with local codes. The pump features a smart control unit and inverter technology for energy-efficient operation.

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Video 1: Detailed guide on how to install the VARMINPOOL pool pump, covering plumbing and electrical connections.



Figure 2: Visual guide illustrating the typical plumbing setup for the pool pump within a pool system.

OPERATING INSTRUCTIONS

The VARMINPOOL pump offers flexible operation modes to optimize performance and energy savings. It features a step-less variable speed control from 1200 to 4000 RPM and four preset speed options.

- **Centralized Control Unit:** The integrated control unit allows for customized scheduling and speed settings. You can set up to 4 operation schedules for 24-hour automatic control.
- **Speed Adjustment:** Use the control panel to select desired speeds (Speed 1-4) or fine-tune RPMs for specific tasks like filtration, vacuuming, or heating.
- **Scheduled Operation:** Plan your 24-hour operation schedule with optimized speeds for different time periods. This allows for up to 80% energy cost reduction compared to on/off design products.

Automatic

With Smart Control Module



Optimized Performance



Maximized Cost Effective



Scheduled Automatic Operation



VARMINPOOL

Figure 3: Close-up of the smart control module, showing the LED display and control buttons for speed and scheduling.

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Video 2: Short overview of the VARMINPOOL Variable Speed Pool Pump highlighting its features and operational capabilities.

MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your VARMINPOOL pump.

- **Filter Basket:** The pump is equipped with a large filter basket (4 Liter) for easy monitoring and maintenance. Regularly check and clean the basket to prevent debris buildup and maintain optimal flow.
- **Winterization:** In colder climates, follow proper winterization procedures to protect the pump from freezing temperatures.
- **General Cleaning:** Keep the exterior of the pump clean and free from obstructions to ensure proper ventilation.

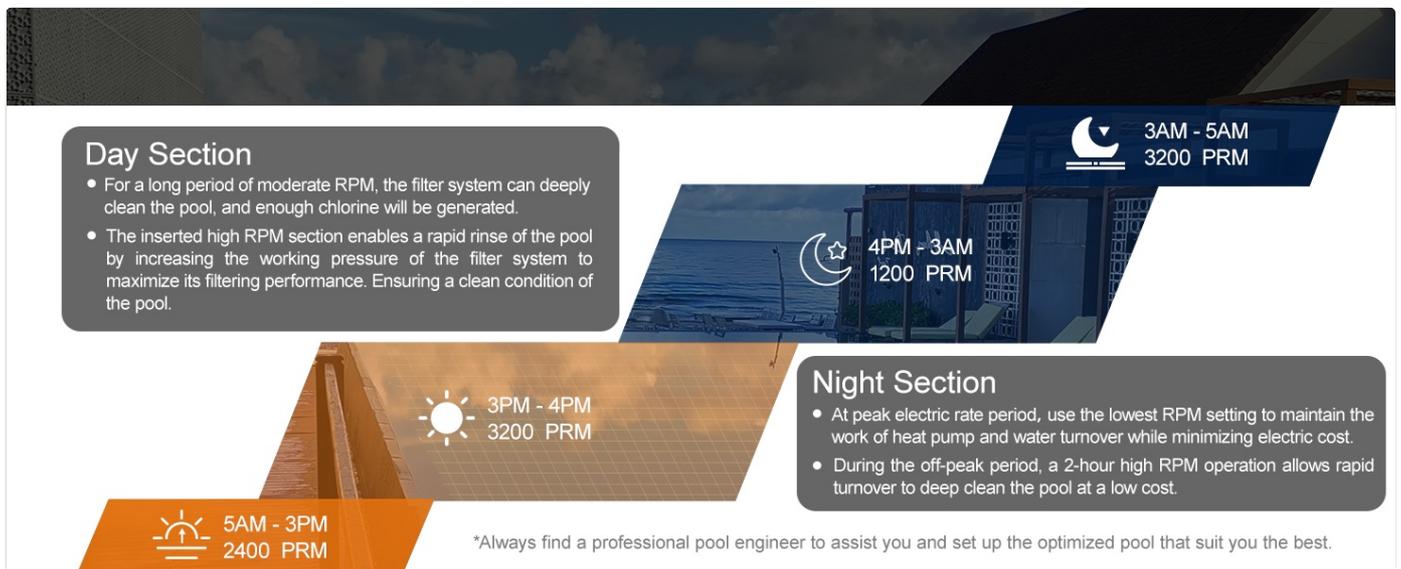


Figure 4: Illustration of the 4-liter extra-large filter basket, designed for easy monitoring and maintenance.

TROUBLESHOOTING

If you encounter issues with your pump, refer to the following common troubleshooting tips:

- **Pump Not Starting:** Check the power supply, circuit breaker, and ensure all electrical connections are secure. Verify the control unit settings.
- **Low Flow/Poor Performance:** Inspect the filter basket for debris and clean if necessary. Check for any blockages in the plumbing lines. Ensure the pump is adequately primed.
- **Unusual Noise:** Air in the system can cause noise; check for leaks in the suction line and ensure proper priming. Excessive vibration might indicate an unstable mounting surface.
- **System Clock Issues:** Some users have reported the system clock running slightly behind. If this occurs, manually adjust the timer as needed.
- **Component Failure:** In rare cases, components like connecting caps may fail. Contact customer support for replacement parts or assistance.

SPECIFICATIONS

Feature	Detail
Power	1.8 HP / 1.3 KW
Maximum Flow Rate	9114 GPH (151.9 Gallons Per Minute)
Voltage	220 V
Maximum Head	64 ft
Inlet / Outlet Hose Size	2.5 inches
Speed Range	1200 to 4000 RPM (Stepless Variable Control)
Dimensions (L x W x H)	27.2" x 9.06" x 13.72" (692.5mm x 230mm x 348.5mm)
Item Weight	32.19 lbs (28.2 Pounds listed in specifications)
Waterproof Rating	IPX5

Material	Cast Iron, Plastic (Fiber Reinforced Housing)
Color	Deep Grey
Model Number	XKP1307BP

WARRANTY AND SUPPORT

VARMINPOOL is committed to delivering satisfying and tranquil swimming experiences. Your product is backed by a comprehensive warranty and dedicated support.

- **Product Protection:** Enjoy 36 months of product protection.
- **Customer Support:** VARMINPOOL offers professional 7-24 support via email service, including holidays. Consultants are available for both pre-sale and after-sale inquiries.
- **Extended Protection Plans:** Additional protection plans are available for purchase, including 3-Year and 4-Year Protection Plans, and a Complete Protect plan covering multiple eligible purchases.

For any questions or assistance, please visit the [VARMINPOOL Store on Amazon](#) or contact their customer service directly.