

## VARMINPOOL KSPF-007L1MR1A1

# VARMINPOOL 27000BTU Pool Heat Pump User Manual

Model: KSPF-007L1MR1A1

## 1. INTRODUCTION

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This manual provides essential instructions for the safe installation, operation, and maintenance of your VARMINPOOL 27000BTU Pool Heat Pump. This unit is designed to efficiently heat and cool pools up to 7,000 gallons, offering year-round climate control for your swimming environment. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of your heat pump.

## 2. SAFETY INFORMATION

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**WARNING: Failure to follow these safety instructions could result in serious injury or death.**

- **Electrical Safety:** Ensure the unit is connected to a properly grounded 120V/60Hz electrical outlet with a maximum 15.0A circuit. All electrical work must be performed by a qualified electrician and comply with local codes. Do not operate the unit with damaged power cords or plugs.
- **Water Proximity:** Install the heat pump at a safe distance from the pool to prevent accidental immersion. Do not operate the unit if it has been submerged in water.
- **Ventilation:** Maintain adequate clearance around the unit for proper airflow. Do not block the air intake or exhaust vents.
- **Children and Pets:** Keep children and pets away from the unit during operation.
- **Maintenance:** Disconnect power before performing any maintenance or cleaning.
- **Professional Installation:** While designed for user-friendly setup, professional installation is recommended to ensure compliance with all local regulations and optimal performance.

## 3. PRODUCT OVERVIEW

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The VARMINPOOL 27000BTU Pool Heat Pump is an advanced system designed for efficient pool climate control. Key features include:

- **Efficient Climate Control:** Heats or cools pools up to 7,000 gallons, suitable for pools around 12' x 18' x 4'.
- **Smart WiFi Connectivity:** Remote control and monitoring via the Smart Life app.

- **Low Power Consumption:** Optimized energy use for reduced operating costs.
- **Durable Construction:** Built with galvanized steel panels that stand up to harsh weather for reliable outdoor use year after year.
- **Quiet Operation:** Operates at approximately 48dB, comparable to a quiet library.
- **Wide Operating Range:** Capable of operating in low ambient temperatures down to 25°F.



Figure 3.1: Front view of the VARMINPOOL 27000BTU Pool Heat Pump with app interface.

For Pools Up to  
**7000** Gallons

**VARMINPOOL**

12' \* 20'  
Rectangle

14 \* 22'  
Oval

18'  
Round

The advertisement features a dark grey VARMINPOOL heat pump unit with a large circular fan grille. To the right, an orange panel lists three pool shapes with corresponding red icons: a rectangle for 12' x 20', an oval for 14' x 22', and a circle for 18'. The background shows a modern house at dusk and a swimming pool.

Figure 3.2: Recommended pool capacities for the heat pump.



Figure 3.3: Heat pump capable of operating in low ambient temperatures.

## 4. SETUP AND INSTALLATION

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### 4.1 Placement

Position the heat pump on a stable, level surface. Ensure adequate clearance (at least 20 inches) around the unit for unrestricted airflow to the fan and coils. Avoid placing the unit in enclosed spaces or directly against walls that would impede ventilation.

### 4.2 Electrical Connection

The unit requires a 120V/60Hz power supply with a dedicated circuit capable of handling a maximum of 15.0A. Use a grounded outlet. Consult a qualified electrician to ensure proper wiring and compliance with

local electrical codes.

### 4.3 Plumbing Connection

Connect the heat pump to your pool's filtration system. The unit is designed for a flow rate of 25 GPM (1500 GPH). The heat pump features 1.25-inch Intex-style hose connections with metal clamps. Adapters may be required to connect to different pool hose sizes (e.g., 1.5-inch PVC pipes). Ensure all connections are secure and leak-free.



Figure 4.1: Example plumbing connection diagram. Refer to your specific pool setup for exact hose routing.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Initial Power-Up

Once installed and plumbed, ensure the pool pump is running to circulate water through the heat pump. Then, connect the heat pump to the power supply. The unit will perform a self-check.

### 5.2 Smart Life App Control

The VARMINPOOL heat pump can be controlled remotely via the Smart Life app. Download the app from your device's app store (Google Play or Apple App Store). Follow the in-app instructions to pair your heat pump with your smartphone via WiFi.

- **Temperature Setting:** Use the app to set your desired pool temperature. The heating range is 59-104°F, and the cooling range is 45-87°F.
- **Mode Selection:** Switch between heating and cooling modes as needed.
- **Scheduling:** Utilize the app's scheduling feature for automatic heating and cooling cycles.
- **Monitoring:** View current water temperature and operational status from anywhere.

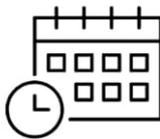
VARMINPOOL

# WiFi Control Unit

Effortless monitoring & Control anywhere you Want by smart life APP.

GET IT ON  
Google Play

Available on the  
App Store



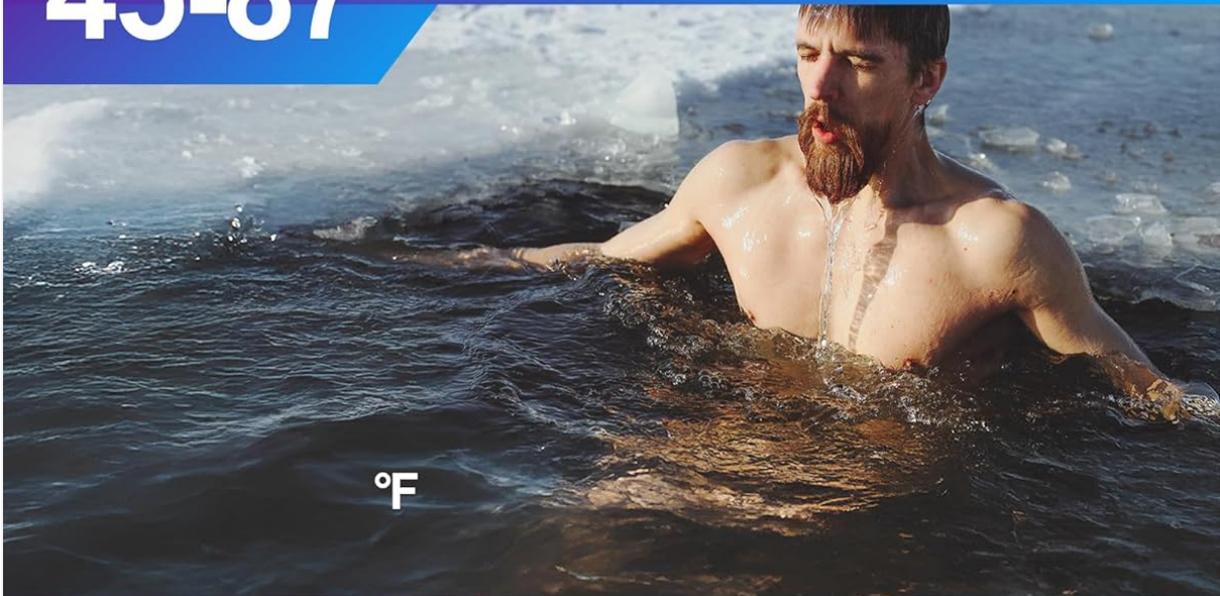
**Schedule**  
**Auto Heating & Cooling**

Figure 5.1: Smart Life App interface for remote control.

Cooling Mode

45-87 °F

Cold Plunge



°F

Spa Tub

Heating  
Mode

59-104 °F



Figure 5.2: Illustration of heating and cooling modes.

## 6. MAINTENANCE

Regular maintenance ensures efficient operation and extends the lifespan of your heat pump.

- **Clean Coils and Fan:** Periodically inspect and clean the evaporator coils and fan blades to remove debris, leaves, and dirt. Blocked coils reduce efficiency.
- **Check Water Flow:** Ensure consistent water flow through the unit. Clean pool filters regularly to prevent reduced flow.
- **Inspect Connections:** Annually check all electrical and plumbing connections for tightness and signs of wear or corrosion.
- **Winterization:** In colder climates, follow proper winterization procedures to protect the unit from

freezing. This typically involves draining water from the unit and covering it. Consult a professional if unsure.

## 7. TROUBLESHOOTING

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Refer to the following common issues and solutions before contacting customer support.

Problem	Possible Cause	Solution
Unit not turning on	No power, tripped breaker, loose connection.	Check power supply, reset breaker, ensure connections are secure.
Poor heating/cooling performance	Low ambient temperature, dirty coils, insufficient water flow, incorrect settings.	Ensure ambient temperature is within operating range (above 25°F for heating), clean coils, check pool pump and filter, verify app settings.
Unit covered in ice	Malfunction, low refrigerant, factory settings issue.	This can indicate a malfunction. A factory reset may resolve the issue. If the problem persists, contact customer support.
Oily film on pool water	Possible residue from manufacturing or internal component.	Monitor for persistence. If it continues, contact customer support.

## 8. SPECIFICATIONS

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Attribute	Detail
Brand	VARMINPOOL
Model Number	KSPF-007L1MR1A1
Size	27000BTU
Voltage	120 Volts
Power Source	AC
Max Current	15.0A
Item Weight	80 Pounds
Product Dimensions (L x W x H)	33 x 14 x 22 inches
Flow Rate	25 GPM or 1500 GPH
Heating Range	59-104°F
Cooling Range	45-87°F
Operating Ambient Temperature	Down to 25°F
Noise Level	48dB

## 9. WARRANTY AND SUPPORT

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## 9.1 Product Warranty

The VARMINPOOL 27000BTU Pool Heat Pump comes with a **36-month product protection warranty** from the date of purchase. This warranty covers manufacturing defects and ensures reliable operation under normal use conditions. Please retain your proof of purchase for warranty claims.



Figure 9.1: 36-Month Product Protection Warranty.

## 9.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact VARMINPOOL customer support. Our team is available to provide professional support and guidance.

- **Support Availability:** 7 days a week, 24 hours a day (Email Service, holidays included).
- **Contact Information:** Refer to the VARMINPOOL official website or your product packaging for the most current contact details.

Extended protection plans (3-Year and 4-Year) are also available for purchase separately to provide additional coverage beyond the standard warranty period.

## Related Documents - KSPF-007L1MR1A1

	<p><a href="#">VARMINPOOL Variable Speed Pool Pump Installation and Operation Manual</a></p> <p>Comprehensive installation, operation, and maintenance manual for the VARMINPOOL Variable Speed Pool Pump, covering features, technical specifications, troubleshooting, and safety guidelines.</p>
	<p><a href="#">VARMINPOOL Variable Speed Pool Pump Installation and Operation Manual</a></p> <p>Comprehensive installation, operation, and maintenance manual for the VARMINPOOL Variable Speed Pool Pump, covering features, technical specifications, troubleshooting, and safety guidelines.</p>