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> Varpoolfaye 30000 BTU Swimming Pool Heat Pump (Model KSPF-007L1MR1A2) User Manual

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Brand: Varpoolfaye | Model: KSPF-007L1MR1A2

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Varpoolfaye 30000 BTU Swimming Pool Heat Pump. Designed for both above-ground and in-ground pools up to 8000 gallons, this unit offers efficient heating and cooling with smart WiFi control. Please read this manual thoroughly before use to ensure proper function and longevity of your product.

Varpoolfaye

Air-source Pool Heat Pump

30000^{BTU}

WARRANTY
1 YEAR
WARRANTY

Varpoolfaye

30000BTU Warming

110V-120V /60HZ

8000 Gallon

Energy Efficient

Figure 1: Varpoolfaye 30000 BTU Air-source Pool Heat Pump with key features. This image provides an overview of the unit's capabilities, including its 30000 BTU warming capacity, 110-120V/60Hz power requirement, suitability for up to 8000-gallon pools, and energy-efficient operation.

SETUP AND INSTALLATION

Proper setup is crucial for the optimal performance of your heat pump. Ensure the unit is placed on a stable, level surface with adequate clearance for airflow.

1. Unpacking and Inspection

Carefully remove all packaging materials. Inspect the unit for any signs of damage during transit. Verify all components listed in the packing list are present.

Strong Compressor

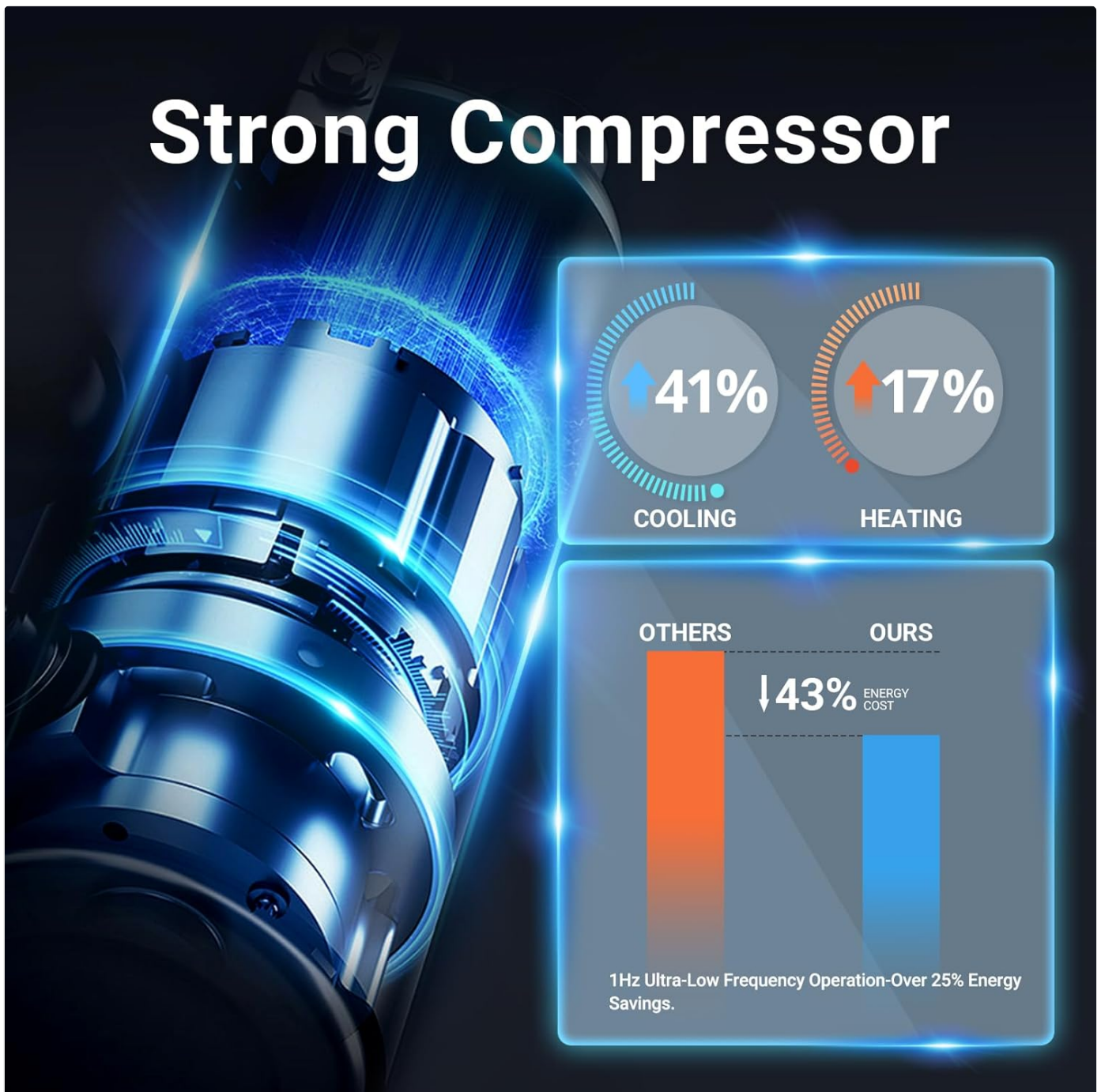


Figure 2: Heat Pump Dimensions and Packing List. This diagram illustrates the physical dimensions of the heat pump (35x14x22 inches) and lists the included accessories: instruction manuals, condense water draining hoses, rubber shock absorption pads, condense water draining fittings, and adapters.

2. Placement Considerations

- **Dimensions:** The unit measures 35 x 14 x 22 inches and weighs 117 pounds.
- **Clearance:** Allow sufficient space around the unit for proper air intake and exhaust.
- **Drainage:** Position the unit where condense water can drain freely.

3. Plumbing Connections

The heat pump features 1.5-inch connectors. It is recommended to use PVC pipe connections for optimal performance and to prevent leakage. Ensure all connections are secure and watertight.

- **Recommended Flow Rate:** Maintain a water flow rate between 1500 GPH and 2000 GPH for efficient operation.
- **Bypass System:** If your pool pump flows faster than 2000 GPH, a bypass system is recommended to regulate the flow through the heat pump.



Figure 3: Connection Options. This image details the recommended plumbing connections, emphasizing the use of 1.5-inch PVC pipe for secure installation. Hose connection options are also shown.

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Video 1: Varpoolfaye Pool Heater Pump Installation Overview. This video demonstrates the general installation process for the Varpoolfaye pool heater pump, including plumbing connections.

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Video 2: Adjusting Water Flow for Optimal Heating. This video provides instructions on how to adjust the water flow rate to prevent slow heating due to excessive flow, a common issue with pool heaters.

4. Electrical Connection

The unit operates on 120V power and includes a 126-inch power cord. It draws approximately 7 amps. It is recommended to connect the unit to an isolated circuit to avoid interference with other appliances.

OPERATING INSTRUCTIONS

Your Varpoolfaye heat pump offers both local and remote control options for convenient temperature management.

1. Control Panel Operation

The unit features an enhanced touchscreen control panel. Use the buttons to adjust settings, set the clock, and switch between heating and cooling modes.

- **Heating Mode:** Temperature range 46°F - 104°F.
- **Cooling Mode:** Temperature range 46°F - 82°F.

SHARE HAPPY MOMENT

Power: 110-120V 60HZ

COP: 5.8

WiFi control

Noise level: 52dB (A)

Works with **Smart Life**

GET IT ON Google Play Available on the App Store

Create Group

Check Device Network

Share Device

Message notification Settings

Device Settings

Device Network

Offline Notification

The image shows a family of four (father, mother, and two children) looking at a smartphone together. To the right, a smartphone screen displays the 'Smart Life' app interface. The app has several buttons: 'Create Group', 'Check Device Network', 'Share Device' (highlighted with a red border), and 'Message notification Settings'. Below these are sections for 'Device Settings', 'Device Network', and 'Offline Notification' with a toggle switch.

Figure 4: Enhanced Touchscreen and Remote Control. This image displays the heat pump's integrated touchscreen interface and the corresponding smartphone application for remote temperature and function adjustments.

2. Smart WiFi Control

Control your heat pump remotely using the dedicated smartphone application. The app allows you to adjust temperature, set schedules, and monitor the unit's status from anywhere.

- Download the "Smart Life" app from your device's app store.
- Follow the in-app instructions to connect your heat pump to your WiFi network.
- Use the app to set desired temperatures, create heating/cooling schedules, and check operational parameters.



Figure 5: WiFi Control via Smartphone App. This image shows the Varpoolfaye heat pump and a smartphone displaying its control application, illustrating the convenience of remote temperature adjustment and scheduling.

Pay Less Save More

SAVING OVER 43%

- ✓ High Energy Efficiency
- ✓ Lower Energy Cost

COP 5.8



Up to

43%

Lower Electricity Bill



Figure 6: Family enjoying pool with WiFi control. This image depicts a family using a smartphone to manage their pool's temperature, showcasing the user-friendly nature of the WiFi control system.

MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your Varpoolfaye heat pump.

- **Cleaning:** Keep the exterior of the unit clean and free from debris. Ensure the fan blades and coils are not obstructed.
- **Condense Water Drainage:** Periodically check the condense water draining hose and fitting for blockages.
- **Titanium Heat Exchanger:** The unit is built with a titanium heat exchanger, suitable for both freshwater and saltwater pools, requiring minimal internal maintenance.
- **Auto Defrost:** The heat pump features an automatic defrost function that activates based on operating conditions, preventing ice buildup on coils.
- **Winterization:** Consult your local pool professional for proper winterization procedures if you live in an area with freezing temperatures.

TROUBLESHOOTING

This section addresses common issues you might encounter with your heat pump.

1. Slow Heating or Cooling

- **Water Flow Rate:** Ensure the water flow rate is within the recommended range of 1500-2000 GPH. Excessive flow can reduce heating/cooling efficiency. Refer to **Video 2** for guidance on adjusting flow.
- **Pool Cover:** Using a pool cover can significantly improve heating efficiency by reducing heat loss.
- **Ambient Temperature:** Performance is affected by ambient air temperature. Refer to the selection guide **Figure 7** for expected performance at different temperatures.

Remote Control + Enhanced Touchscreen
Can be controlled anytime and anywhere, with advance timing settings, allowing you to swim at will.

The advertisement features a grey Varpoolfaye heat pump unit with a large circular fan grille. To the right, a close-up shows a hand interacting with a physical touchscreen control panel that displays '101°F' and '11:27'. Below the unit, a hand holds a smartphone displaying a matching app interface with a 'HEAT PUMP' header, a large '101°F' temperature display, and a 'Set Temperature - 99°F' slider. In the bottom right corner, there are three logos: 'Works with Smart Life', 'Available on the App Store', and 'GET IT ON Google Play'.

Figure 7: 30000 BTU Heat Pump Selection Guide. This table helps determine the expected performance based on pool size, depth, and ambient temperature, aiding in understanding heating capabilities.

2. Unit Not Turning On or Compressor Issues

- **Power Supply:** Check the electrical connection and ensure the unit is receiving power.

- **Timer Function:** If the compressor is not working correctly, ensure the timer function is not active or is properly configured. Refer to **Video 3** for guidance on timer settings.
- **Error Codes:** Consult the display for any error codes and refer to the full instruction manual for specific code meanings.

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Video 3: Resolving Compressor Issues Related to Timer Settings. This short video explains how to address situations where the compressor may not operate correctly, specifically by checking and stopping the timer function.

3. General Issues

- For any persistent issues, check the Smart Life app for diagnostic information or contact customer support.

SPECIFICATIONS

Feature	Specification
Model Number	KSPF-007L1MR1A2
Heating Capacity	30000 BTU
Coefficient of Performance (COP)	5.8
Recommended Pool Volume	Up to 8000 Gallons
Voltage	120V
Heating Temperature Range	46°F - 104°F
Cooling Temperature Range	46°F - 82°F
Noise Level	52 dB
Product Dimensions (L x W x H)	35 x 14 x 22 inches
Item Weight	117 pounds
Heat Exchanger Material	Titanium
Power Cord Length	126 inches

WARRANTY AND SUPPORT

Varpoolfaye is committed to providing quality products and customer satisfaction.

- **Protection Plans:** Extended protection plans are available for purchase. Please refer to your retailer for details on 2-Year and 3-Year protection plans.
- **Customer Support:** For technical assistance, warranty claims, or any product-related inquiries, please contact Varpoolfaye customer service. Refer to your product packaging or the official Varpoolfaye website for contact information.

