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› Varpoolfaye Electric Pool Heater Pump 16000 BTU User Manual

Varpoolfaye KSPF-005L3R1A1

Varpoolfaye Electric Pool Heater Pump 16000 BTU User Manual

Model: KSPF-005L3R1A1 | Brand: Varpoolfaye

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Varpoolfaye Electric Pool Heater Pump 16000 BTU. This unit is designed to heat or cool above-ground and in-ground pools up to 5000 gallons, offering optimal performance with a maximum output of 16000 BTU and a COP of up to 4.3. It features dual heating and cooling modes, WiFi control, and quiet operation.

Please read this manual thoroughly before installation, operation, or maintenance to ensure proper usage and prolong the lifespan of your product.



Image: The Varpoolfaye 16000 BTU Electric Pool Heater Pump shown with its digital display and a smartphone interface for remote control.

2. SAFETY INFORMATION

- Always disconnect power before performing any maintenance or repairs.
- Ensure the heat pump is running before operating the unit.
- The unit operates on 110-120V/60Hz. Ensure proper electrical installation by a qualified professional.
- Do not block the air intake or exhaust vents of the unit.
- Keep children and pets away from the unit during operation.
- Refer to local codes and regulations for proper installation and safety guidelines.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking:

PACKING LIST

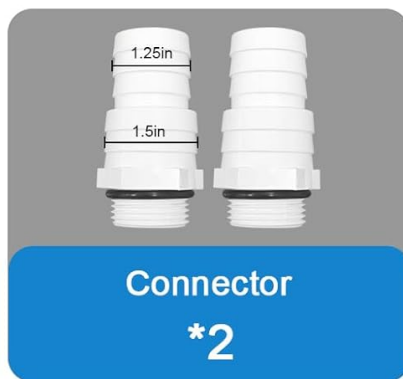
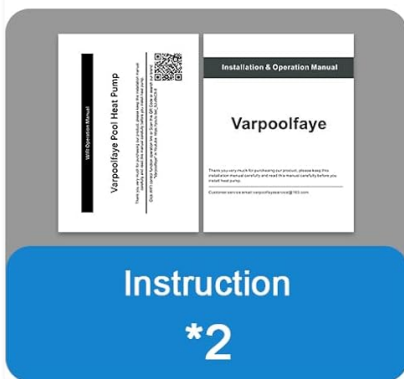
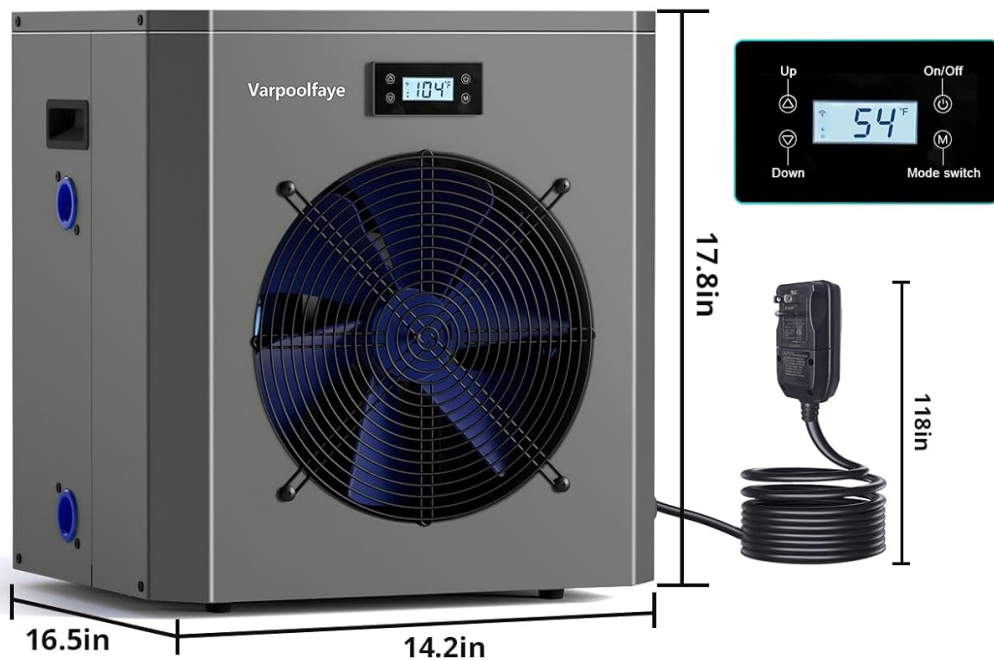


Image: The packing list for the Varpoolfaye pool heat pump, detailing the main unit, instruction manual, connectors, and hose clamps.

- Varpoolfaye Electric Pool Heater Pump (Main Unit)
- Installation & Operation Manual (x2)
- DN32-38 mm Connectors (x2)
- Stainless Hose Clamps (x2)
- Power Cord (attached to unit)

4. SPECIFICATIONS

Feature	Detail
Model Number	KSPF-005L3R1A1
Max Output	16000 BTU
COP	Up to 4.3

Feature	Detail
Pool Capacity (Max)	5000 Gallons
Heating Temperature Range	59-104°F
Cooling Temperature Range	46-82°F
Voltage	120V
Noise Level	50dB
Product Dimensions	16.5 x 14.2 x 17.8 inches
Item Weight	65.9 pounds

16000 BTU Heat Pump Selection Guide			
Max pool depth	Gallons	Required at this ambient fahrenheit	Maximum heatable temperature
3.28 ft	5000	72°F	89°F
	3000	72°F	97°F
	5000	59°F	75°F
	3000	59°F	84°F
Max pool depth	Gallons	Required at this ambient fahrenheit	Maximum heatable temperature
3.94 ft	5000	72°F	90°F
	3000	72°F	100°F
	5000	59°F	78°F
	3000	59°F	90°F

Image: 16000 BTU Heat Pump Selection Guide, providing recommended pool sizes and ambient temperatures for optimal heating.

5. SETUP & INSTALLATION

Proper installation is crucial for the performance and safety of your pool heater. It is recommended that installation be performed by a qualified professional.

5.1 Placement

- Place the unit on a stable, level surface near your pool.
- Ensure adequate airflow around the unit; do not obstruct the fan or vents.
- Keep the unit as close to the pool as possible to minimize heat loss through plumbing.



Image: The Varpoolfaye pool heater pump is shown installed next to an above-ground pool, demonstrating ideal proximity and setup.

5.2 Plumbing Connections

The pool heater must be connected in-line with your existing pool pump and filter system. Water flows from the pool, through the filter, then through the heat pump, and finally back to the pool.

1. Ensure your pool pump is off and the system is depressurized.
2. Identify the 'Water Inlet' and 'Water Outlet' ports on the heat pump.
3. Connect the outlet of your pool filter to the 'Water Inlet' of the heat pump using the provided DN32-38 mm connectors and hose clamps.
4. Connect the 'Water Outlet' of the heat pump to the return line of your pool using the remaining connector and hose clamp.
5. Tighten all connections securely to prevent leaks.

Video: Detailed installation steps for the 16000 BTU pool heat pump, demonstrating plumbing connections and initial setup.

Video: Comprehensive guide on how to install a pool heat pump, covering various aspects of the setup process.

5.3 Electrical Connection

The unit operates on 120V. Ensure your electrical outlet is compatible and properly grounded. It is crucial to have a dedicated circuit for the heat pump to avoid overloading.

- Connect the attached power cord to a suitable 120V, 60Hz grounded electrical outlet.
- Ensure the power cord is not stretched or pinched.
- Always use a Ground Fault Circuit Interrupter (GFCI) for electrical safety.

6. OPERATING INSTRUCTIONS

Your Varpoolfaye pool heater pump offers both manual control via its integrated display and remote control via a WiFi-enabled smartphone app.

6.1 Control Panel Operation

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

The image shows a hand holding a smartphone displaying the Varpoolfaye app interface. The app shows a large digital display of 104°F, with 'Current Temperature_F' and 'Set Temperature_F' labels. Below the display are buttons for 'Switch', 'Mode', and 'Settings'. In the background, the physical control panel of the pool heater pump is visible, featuring a digital display showing 104°F, 'Up' and 'Down' arrow buttons, an 'On/Off' power button, and a 'switch' button with a motor icon. A hand is shown touching the digital display on the physical panel.

Works with **Smart Life**

Available on the **App Store**

GET IT ON **Google Play**

Image: The control panel of the Varpoolfaye pool heater pump, showing the digital display and buttons for power, mode, and

temperature adjustment, alongside the smartphone app interface.

- **Power On/Off:** Press the power button (**U**) to turn the unit on or off.
- **Mode Selection:** Press the 'M' button to cycle through heating, cooling, and automatic modes.
- **Temperature Adjustment:** Use the up (**▲**) and down (**▼**) arrows to set your desired water temperature.
- **WiFi Connection:** To connect to WiFi, press the up arrow and power button simultaneously until the WiFi indicator appears on the display.

6.2 WiFi Control (Smart Life App)

The unit can be controlled remotely using the Smart Life app on your smartphone. This allows you to set the heater details or timed on/off from anywhere at any time.

1. Download the Smart Life app from your smartphone's app store.
2. Follow the in-app instructions to add your Varpoolfaye pool heater pump as a new device.
3. Once connected, you can adjust temperature, change modes, set timers, and monitor the unit's status directly from your phone.

Video: An overview of the Varpoolfaye 16000 BTU pool heat pump for above-ground pools, highlighting its features and operation.

Video: Demonstrates the Varpoolfaye 16000 BTU pool heater working effectively, showcasing its performance.

7. MAINTENANCE

- Regularly inspect the unit for any visible damage or leaks.
- Keep the area around the heat pump clear of debris to ensure proper airflow.
- Clean the evaporator coils periodically to maintain efficiency.
- During winter or extended periods of non-use, drain the water from the heat pump and cover it with a protective cover.

8. TROUBLESHOOTING

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

- **Unit Not Turning On:** Check electrical connections, ensure the circuit breaker is not tripped, and verify the power supply.
- **No Heating/Cooling:** Ensure the pool pump is running, check the set temperature, and verify the selected mode (heating/cooling).
- **Low Water Flow:** Inspect plumbing for blockages, ensure the pool filter is clean, and check for proper valve settings.
- **Excessive Noise:** Ensure the unit is on a stable, level surface and that the fan is free from obstructions. The unit operates at a low noise level of 50dB.
- **Condensation:** It is normal for condensation to form and drip from the unit during operation, especially in humid conditions.

Video: Demonstrates troubleshooting methods for operating the pool heater, addressing common issues.

Video: Instructions on how to reduce water flow to optimize heating performance, particularly useful for addressing slow

heating issues.

9. WARRANTY & SUPPORT

For any questions or concerns regarding your Varpoolfaye Electric Pool Heater Pump, please refer to the user manual provided in the package or visit the official Varpoolfaye online store for support.

The product comes with a standard manufacturer's warranty. Please retain your proof of purchase for warranty claims. Contact customer service for detailed warranty information and assistance.