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Varpoolfaye KSPF-005L3R1A1

Varpoolfaye 16000 BTU Electric Pool Heater Pump Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Varpoolfaye 16000 BTU Electric Pool Heater Pump. This unit is designed to heat or cool above-ground pools up to 5000 gallons, offering temperature control from 59-104°F for heating and 46-82°F for cooling. Please read this manual thoroughly before installation and use, and retain it for future reference.



Image 1.1: The Varpoolfaye 16000 BTU Electric Pool Heater Pump.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in injury or property damage.

- Always disconnect power to the unit before performing any maintenance or repairs.
- The heat pump must be installed by qualified installers according to the instruction manual.
- Ensure the pool pump is running before operating the heat pump.
- The power supply is 110-120V/60Hz.
- Drain water from the unit and store properly during off-seasons to prevent freezing and damage.
- Keep children away from the unit during operation.

3. PRODUCT FEATURES

- **High Performance:** Max output of 16000 BTU with a Coefficient of Performance (COP) up to 4.3. Capable of heating pools up to 5000 gallons.

- **Dual Mode Operation:** Features both heating (59-104°F) and cooling (46-82°F) modes for versatile use in various weather conditions.
- **WiFi Control:** Integrated WiFi connectivity allows remote control of settings and timed on/off functions via a smartphone application.
- **Energy Efficient:** Operates on 120V, utilizing minimal electricity by absorbing heat from the ambient air to maintain desired water temperature, contributing to lower energy bills.
- **Quiet Operation:** Designed for a noise level of only 50dB, ensuring a peaceful swimming environment.
- **Easy Installation:** Comes with DN32-38 mm connectors and a power cord for straightforward setup.



Image 3.1: Display showing WiFi control and the heating/cooling temperature ranges.

4. PACKAGE CONTENTS

The Varpoolfaye 16000 BTU Electric Pool Heater Pump package includes the following items:

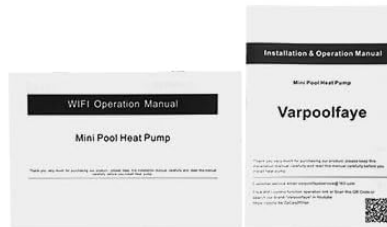
- Varpoolfaye Pool Heat Pump Unit
- DN32-38 mm Connectors (x2)
- Power Cord
- Instruction Manuals (x2)
- Stainless Hose Clamps (x2)



Packing List



Connector*2



Instruction*2



Stainless Hose Clamp*2

Image 4.1: Product dimensions and included accessories in the packing list.

5. SPECIFICATIONS

Attribute	Value
Brand	Varpoolfaye
Model Number	KSPF-005L3R1A1
Material	Galvanized
Style	Above Ground
Power Source	Corded Electric
Voltage	120 Volts (AC)
Product Dimensions	16.5 x 14.2 x 17.8 inches
Item Weight	66 pounds
Specific Uses	Above-Ground Pool

6. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your pool heater. Follow these steps carefully:

- Placement:** Position the heat pump on a flat, stable surface near your above-ground pool. Ensure it is within hose distance of your existing pool pump and filter system.
- Connect Hoses:** Attach the provided DN32-38 mm connectors to the water inlet and outlet ports on the heat pump. Secure them with the stainless hose clamps.
- Integrate with Pool System:** Connect the heat pump into your existing pool filtration system. Water should flow from your pool pump/filter, through the heat pump, and then back into the pool. Refer to the diagram below for typical connection.
- Power Connection:** Plug the heat pump into a compatible 110-120V/60Hz power outlet.
- Adjust Flow Rate (if necessary):** If your pool pump has a very fast flow rate, it might reduce heating efficiency. Adjust any union ball valves in your system to reduce the flow rate to the recommended 1500-2000 GPH for optimal heating.



Image 6.1: Installation diagram showing the flow of water from the pool, through the filter pump, then the heat pump, and back to the pool.

Video 6.1: Detailed installation steps for the 16000 BTU above-ground pool heater.

Video 6.2: Instructions on how to adjust the union ball valve to reduce water flow rate for optimal heating.

7. OPERATING INSTRUCTIONS

Your Varpoolfaye pool heater can be operated via its integrated control panel or through the dedicated smartphone application.

7.1 Control Panel Operation

1. **Power On/Off:** Press and hold the power button (usually marked with a circle and a vertical line) for 2-3 seconds to turn the unit on or off. The fan will start shortly after powering on.
2. **Select Mode:** Use the 'M' button to cycle between heating and cooling modes.
3. **Set Temperature:** Use the up and down arrow buttons to adjust your desired water temperature.



Image 7.1: The control panel for manual operation of the heat pump.

7.2 WiFi App Control

For remote control and advanced scheduling, use the dedicated smartphone application:

1. **Download App:** Scan the QR code provided in the instruction manual or search for the 'Smart Life' app in your device's app store.
2. **Connect to WiFi:** On the heat pump's control panel, press and hold the top right button and the down arrow simultaneously until the WiFi signal icon starts flashing. This indicates pairing mode.
3. **Pair Device:** Follow the in-app instructions to add and pair your Varpoolfaye pool heater. Once connected, the WiFi icon on the unit's display will become solid.
4. **Remote Control:** From the app, you can monitor the current water temperature, adjust the target temperature, switch between heating and cooling modes, and set schedules for operation.

Video 7.1: Demonstration of WiFi control for the Varpoolfaye pool heater using a smartphone app.

8. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your Varpoolfaye pool heater:

- **Clean Coils:** Periodically inspect and clean the evaporator coils to remove any debris, leaves, or dirt that may obstruct airflow. Ensure the unit is powered off before cleaning.
- **Check Connections:** Regularly inspect all hose connections and clamps for leaks or signs of wear. Tighten or replace as needed.
- **Winterization:** Before the cold season, completely drain all water from the heat pump to prevent freezing and potential damage to internal components. Store the unit in a dry, protected area if possible, or cover it with a weather-resistant cover.
- **Clear Surroundings:** Ensure the area around the heat pump is clear of obstructions to allow for proper airflow.

9. TROUBLESHOOTING

If you encounter issues with your Varpoolfaye pool heater, refer to the following common problems and solutions:

- **Unit Not Turning On:** Check the power connection and ensure the circuit breaker has not tripped. Verify the pool pump is running, as the heat pump requires water flow to operate.
- **Insufficient Heating/Cooling:** Ensure the desired temperature is set correctly. Check for proper water flow through the unit; a low flow rate can reduce efficiency. Clean any debris from the evaporator coils.
- **WiFi Connection Issues:** Ensure your home WiFi network is active and the heat pump is within range. Repeat the WiFi pairing process as described in Section 7.2.
- **Unusual Noises:** Inspect the fan for any obstructions. If unusual noises persist, disconnect power and contact customer support.
- **Error Codes:** Refer to the detailed instruction manual for specific error code meanings and troubleshooting steps.

10. WARRANTY AND SUPPORT

Your Varpoolfaye pool heater comes with a return policy allowing for refunds or replacements within 30 days of purchase. For any questions, concerns, or technical support, please refer to the user manual or contact Varpoolfaye-US customer support directly. Contact information can typically be found on the product packaging or the official Varpoolfaye website.

