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› Varpoolfaye 16000 BTU Electric Pool Heat Pump (Model 5kw heat pump) Instruction Manual

Varpoolfaye 5kw heat pump

Varpoolfaye 16000 BTU Electric Pool Heat Pump (Model 5kw heat pump) Instruction Manual

This manual provides essential information for the safe and efficient operation of your Varpoolfaye 16000 BTU Electric Pool Heat Pump. Please read thoroughly before installation and use.

1. INTRODUCTION AND OVERVIEW

The Varpoolfaye 16000 BTU Electric Pool Heat Pump is designed to efficiently heat or cool above-ground pools up to 5000 gallons. This unit utilizes air-source heat pump technology to absorb heat from the surrounding air and transfer it to your pool water, or vice versa for cooling. It features multi-season use, WiFi control, and energy-efficient operation.



Figure 1: Varpoolfaye 16000 BTU Electric Pool Heat Pump.

For a visual introduction to the product and its working principle, please refer to the video below:

Your browser does not support the video tag.

Video 1: Overview of the Varpoolfaye 16000 BTU Pool Heat Pump for above-ground pools, including its working principle and important usage notes.

2. PRODUCT FEATURES

- **Impressive Performance:** Max output of 16000 BTU for pools up to 5000 gallons, achieving rapid heating from 59-104°F and cooling from 46-82°F.
- **Multi-Season Use and WiFi Control:** Features both heating and cooling modes. Adjust settings via WiFi and set timed on/off schedules using a mobile app.
- **Energy Efficient and Cost-Effective:** Achieves a COP of 4.3 by extracting heat from ambient air, offering a more cost-effective solution than gas or traditional electric heaters.
- **Quiet and Safe Operation:** Operates at a low 50dB noise level with additional soundproofing. Designed with water-electric separation for enhanced safety.
- **Easy Installation:** Comes with two DN32-38 mm connectors and a 118-inch power cord for straightforward setup.

Remote Control + Enhanced Touchscreen

Can be controlled anytime and anywhere, with advance timing settings, allowing you to swim at will.

Works with **Smart Life**

Available on the **App Store**

GET IT ON **Google Play**

Figure 2: Remote control and enhanced touchscreen for easy operation.

Pay Less Save More

SAVING OVER 40%

- ✓ High Energy Efficiency
- ✓ Lower Energy Cost

COP 4.3



Up to

CEC

40%

Lower Electricity Bill

Figure 3: High energy efficiency with a COP of 4.3.

Noise Level <50dB Surprisingly Quiet



Figure 4: Quiet operation with a noise level below 50dB.

3. PACKAGE CONTENTS

Upon unpacking, ensure all items listed below are present and undamaged:

- Varpoolfaye 16000 BTU Electric Pool Heat Pump Unit
- Installation & Operation Manual (x2)
- DN32-38 mm Connectors (x2)
- Stainless Hose Clamps (x2)

PACKING LIST

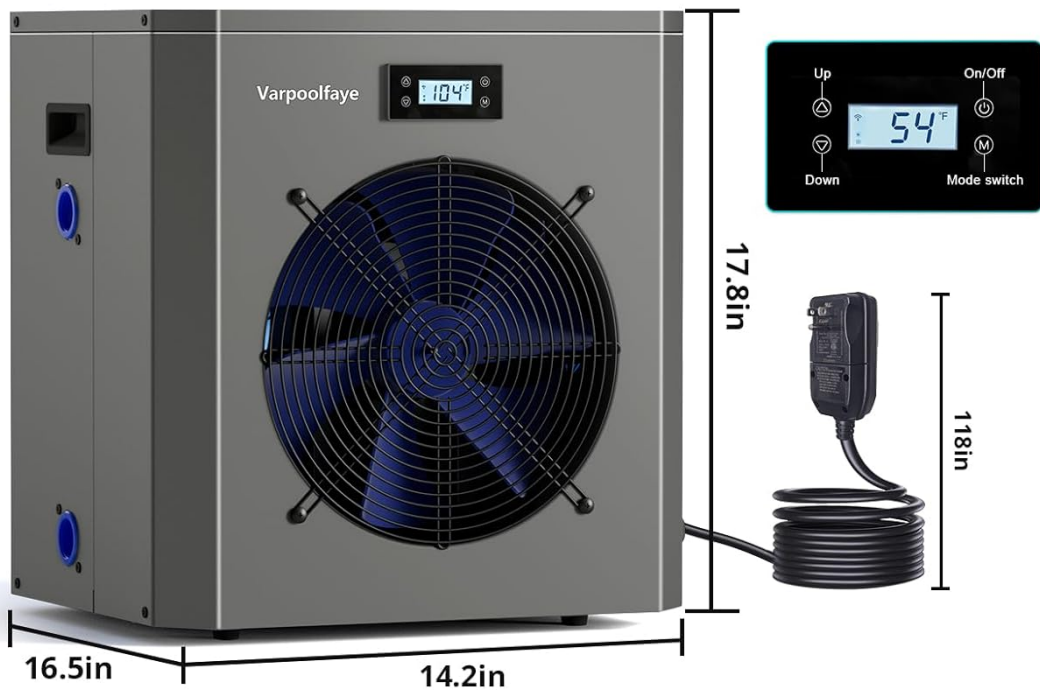


Figure 5: Visual representation of the package contents.

For a visual guide to unboxing and initial components, please watch the video below:

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Video 2: Unboxing and initial review of the Varpoolfaye 16000 BTU Pool Heat Pump.

4. SETUP AND INSTALLATION

Important Safety Information:

- The heat pump must be installed by professional installers according to the instruction manual.
- Always cut off all power before maintaining or repairing the unit.
- The water pump must be running before turning on the heat pump.
- The power supply is 110-120V/60Hz.
- Cut off power supply and drain water out of the system when the heat pump unit would stop running for a long time in winter seasons, to prevent heat exchanger and pipeline from freezing and breaking.

Installation Steps:

1. **Placement:** Position the heat pump unit on a stable, level surface near your above-ground pool, ensuring adequate airflow around the unit.
2. **Connect Adapters:** Install the provided DN32-38 mm adapters at the water inlet and outlet ports of the heat pump unit.
3. **Hose Connections:** Connect the pool hoses from your existing filter pump system to the heat pump's inlet and outlet ports. Ensure all connections are secure using the stainless hose clamps. The water flow should typically go from the pool pump, through the heat pump, and then back to the pool.
4. **Electrical Connection:** Plug the heat pump into a grounded 110-120V/60Hz power outlet.

Varpoolfaye

Air-source Pool Heat Pump

16000 BTU

Varpoolfaye 18.4

16000BTU Warming

110V-120V /60HZ

5000 Gallon

Energy Efficient

1 YEAR WARRANTY

Figure 6: Diagram illustrating the connection of the heat pump to an above-ground pool and filter pump.

Your browser does not support the video tag.

Video 3: Detailed installation steps for the 16000 BTU pool heater.

If you experience fast water flow leading to slow heating, you may need to adjust the flow rate. Refer to the following video for guidance:

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Video 4: Instructions on how to reduce water flow for optimal heating performance.

5. OPERATING INSTRUCTIONS

Once installed and connected, operate your Varpoolfaye heat pump as follows:

1. **Power On:** Ensure your pool's water pump is running, then press the power button on the heat pump's control panel.
2. **Set Temperature:** Use the up and down arrow buttons on the control panel to set your desired water temperature. The unit will automatically begin heating or cooling to reach this set point.
3. **Mode Selection:** Use the 'M' (Mode) button to switch between heating and cooling modes, if applicable.
4. **WiFi Control:** Download the dedicated mobile app (refer to your manual for app details) to control the heat pump remotely, set timers, and monitor water temperature.

During normal heating operation, the fan will blow cool air out of the unit. This is normal as the unit extracts heat from the ambient air. Condensation may also form and drip from the bottom of the unit; this is also a normal part of the heating process.

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Video 5: Demonstration of the 16000 BTU pool heater in operation.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your heat pump. Always disconnect power before performing any maintenance.

- **Seasonal Storage:** When not in use for extended periods, especially during winter, disconnect the inlet and outlet pipes. Drain all water from the unit to prevent freezing damage to the heat exchanger and pipelines.
- **Protection:** Cover the unit with a heat pump dust cover when stored or during harsh weather conditions to protect it from elements.
- **Cleaning:** Periodically clean the exterior of the unit and ensure the fan and coils are free from debris to maintain optimal airflow.

For proper storage procedures, refer to the end of the product overview video:

Your browser does not support the video tag.

Video 6: Demonstrates proper storage of the heat pump unit when not in use.

7. TROUBLESHOOTING

If you encounter issues with your Varpoolfaye heat pump, consider the following common troubleshooting steps:

- **Unit Not Turning On:** Check the power supply and ensure the unit is properly plugged in. Verify that the pool's water pump is running, as the heat pump requires water flow to operate.
- **Insufficient Heating/Cooling:** Ensure the ambient temperature is within the operating range. Check for proper water flow rate; a bypass system might be needed if your pump flows too fast (refer to installation videos). Verify that the pool is covered when not in use to retain heat.
- **Error Codes:** If the display shows an error code, consult the detailed troubleshooting section in the full user manual for specific solutions.

- **Unusual Noises:** While the unit operates quietly, any unusual loud noises should be investigated. Ensure the fan is clear of obstructions.

For further assistance, please refer to the comprehensive user manual or contact Varpoolfaye customer service.

8. SPECIFICATIONS

Specification	Value
Product Dimensions	16.5 x 14.2 x 17.8 inches
Item Weight	70.9 pounds
Manufacturer	Varpoolfaye
Item Model Number	5kw heat pump
Power Supply	110-120V/60Hz
Max Output	16000 BTU
Recommended Pool Capacity	Up to 5000 gallons
Heating Temperature Range	59-104°F
Cooling Temperature Range	46-82°F
Noise Level	50dB
COP (Coefficient of Performance)	4.3

9. WARRANTY AND SUPPORT

Your Varpoolfaye 16000 BTU Electric Pool Heat Pump may be eligible for a **3-Year Protection Plan**, available for purchase separately. This plan provides extended coverage beyond the standard manufacturer's warranty.

For any inquiries, technical support, or warranty claims, please refer to the contact information provided in your physical user manual or visit the Varpoolfaye store on Amazon.

We are committed to providing excellent customer service and support for your product.