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› Varpoolfaye 30000 BTU Electric Pool Heater Instruction Manual (Model XKP2207BP)

Varpoolfaye XKP2207BP

Varpoolfaye 30000 BTU Electric Pool Heater Instruction Manual

Model: XKP2207BP

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Varpoolfaye 30000 BTU Electric Pool Heater. Please read this manual thoroughly before installation and use, and retain it for future reference. Proper adherence to these instructions will ensure optimal performance and longevity of your unit.

2. SAFETY INFORMATION

Important Safety Instructions:

- Always disconnect power to the unit before performing any service or maintenance.
- Installation must be performed by a qualified technician in accordance with all local and national electrical and plumbing codes.
- Do not operate the unit if any part is damaged or malfunctioning. Contact customer support immediately.
- Keep children and pets away from the unit during operation.
- Ensure proper ventilation around the unit to prevent overheating.
- This appliance is designed for heating and cooling pool water only. Do not use for other purposes.
- Maintain a safe distance between the unit and any flammable materials.

3. PRODUCT OVERVIEW

The Varpoolfaye 30000 BTU Electric Pool Heater is an air-source heat pump designed to efficiently heat or cool water for both inground and above-ground pools up to 8000 gallons. It features WiFi control for convenient remote operation and a durable titanium heat exchanger suitable for various pool types.

Key Features:

- **High-Performance Heating:** Delivers up to 30000 BTU with a COP of 5.8.

- **All-Season Comfort:** Offers heating (46°F-104°F) and cooling (46°F-82°F) modes.
- **WiFi-Enabled Control:** Manage temperature and schedule via a smartphone app.
- **Energy-Efficient and Quiet:** Utilizes air-source technology with low electricity consumption, operating at 52 dB.
- **Reliable Construction:** Built with a titanium heat exchanger for freshwater and saltwater pools.



The Varpoolfaye 30000 BTU Electric Pool Heater, a compact unit designed for efficient pool temperature management, shown alongside its smartphone control interface.

Varpoolfaye



Air-source Pool Heat Pump

30000 BTU



30000BTU
Warming



110V-120V
/60HZ



8000
Gallon



Energy
Efficient

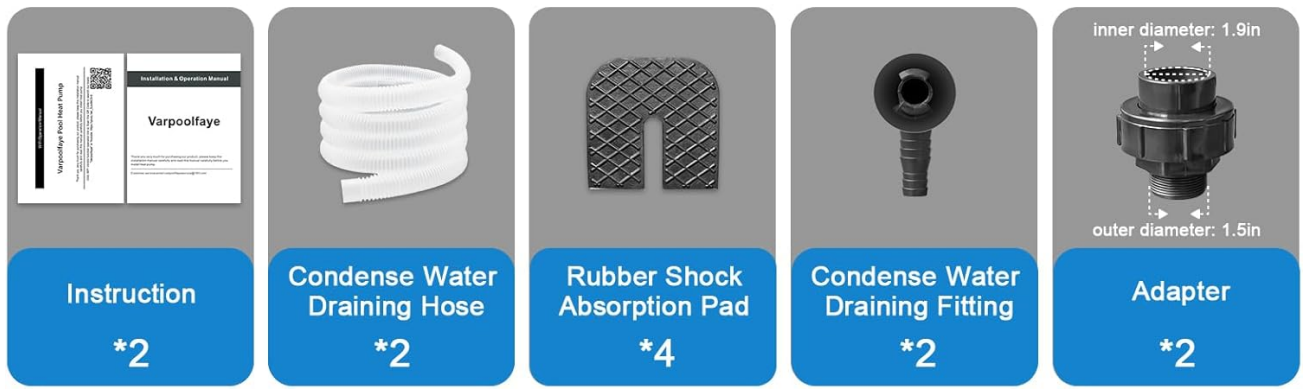


An overview of the Varpoolfaye 30000 BTU Air-source Pool Heat Pump, detailing its 30000 BTU warming capacity, 110-120V/60Hz power, suitability for up to 8000-gallon pools, and energy-efficient operation.

Components and Packing List:

Ensure all components are present before beginning installation.

PACKING LIST



The complete packing list for the Varpoolfaye pool heater, including the main unit, instruction manual, two condense water draining hoses, four rubber shock absorption pads, two condense water draining fittings, and two adapters for installation.

Product Demonstration:



An overview video showcasing the Varpoolfaye 30000 BTU above-ground pool heater in operation, highlighting its features and benefits for maintaining comfortable pool temperatures.



This video presents the Varpoolfaye 120V pool heater pump, suitable for up to 8000-gallon pools, showcasing its functionality and design.

4. SETUP AND INSTALLATION

Placement:

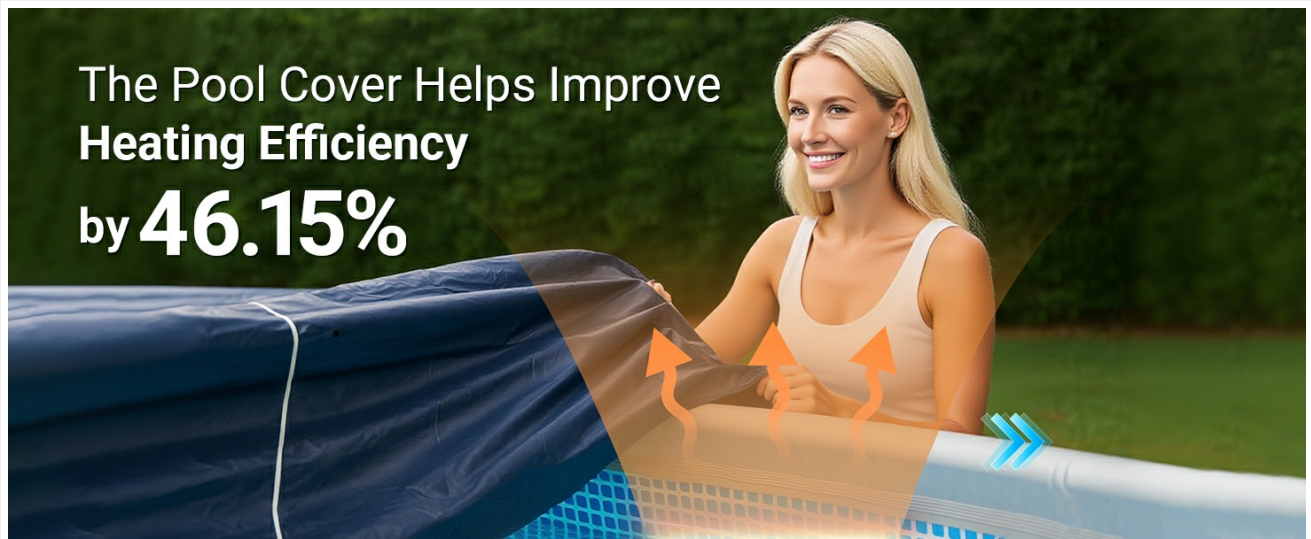
Position the unit on a stable, level surface with adequate clearance for airflow. Ensure it is located near your pool's filtration system and a suitable power source. Avoid placing the unit in enclosed spaces or directly against walls that would restrict air intake or exhaust.

Electrical Connection:

The Varpoolfaye 30000 BTU heater operates on 120V power. Connect the provided 126-inch power cord to a grounded 120V outlet. Ensure the circuit can handle the unit's power requirements. Consult an electrician if unsure.

Plumbing Connection:

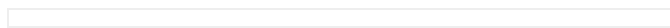
Connect the pool heater to your existing pool filtration system using the provided 1.5-inch connectors. Water flows from the pool pump, through the heater, and then back to the pool. It is recommended to use PVC pipe connections (Option 1) for optimal sealing and to prevent leaks. Adapters for this option are included.



This diagram illustrates various connection options for the pool heater, including direct PVC pipe connection (Option 1, adapter included), and two hose connection methods (Option 2 for 1.5" hose, Option 3 for 1.25"/1.5" hose). It emphasizes using Option 1 to prevent leakage.

Flow Rate Optimization:

For optimal heating performance, maintain a recommended water flow rate of 1500-2000 GPH (Gallons Per Hour). If your pump's flow rate is too high, the water may pass through the heater too quickly, reducing heating efficiency. Adjust the Union ball valve to regulate the flow as needed.



This video provides instructions on how to adjust the Union ball valve to reduce the water flow rate, which is crucial for optimizing the heating efficiency of the pool heater when experiencing slow heating due to fast water flow.

5. OPERATING INSTRUCTIONS

Powering On/Off:

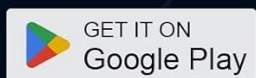
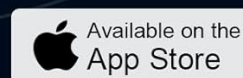
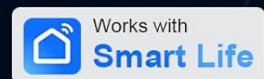
Press the power button on the unit's control panel or use the smartphone app to turn the heater on or off. Ensure the pool pump is running before activating the heater.

Setting Temperature and Modes:

Use the up/down arrows on the control panel or the slider in the app to set your desired water temperature. The unit supports both heating (46°F-104°F) and cooling (46°F-82°F) modes. The unit will automatically adjust its operation to reach and maintain the set temperature.

Remote Control + Enhanced Touchscreen

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



The Varpoolfaye pool heater offers dual control options: an enhanced touchscreen directly on the unit and a remote control application accessible via smartphone, allowing convenient management of settings.

WiFi Control and Scheduling:

Download the dedicated smartphone application to connect your heater to your home WiFi network. This allows for remote temperature adjustments, mode selection, and setting up heating/cooling schedules. A strong WiFi signal near the unit is recommended for stable connectivity.

Strong Compressor



The smartphone application interface for the Varpoolfaye pool heater, demonstrating how users can remotely control temperature, set schedules, and manage other settings for their pool.

A demonstration of the Varpoolfaye 30000 BTU pool heater's WiFi control capabilities, showing how to manage settings and schedule operation remotely via a smartphone application.

6. MAINTENANCE

Regular Cleaning:

Periodically inspect and clean the exterior of the unit to remove any debris, leaves, or dirt that may obstruct airflow. Ensure the fan blades are clear of obstructions. Do not use harsh chemicals for cleaning.

Water Chemistry:

Maintain proper pool water chemistry. The titanium heat exchanger is resistant to corrosion from both freshwater and saltwater, but balanced water chemistry is crucial for the overall health of your pool system.

Winterization:

Before freezing temperatures arrive, properly winterize your pool heater. This typically involves draining all water from the unit and plumbing lines to prevent freeze damage. Consult a pool professional if you are unsure about winterization procedures.

7. TROUBLESHOOTING

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

- **Unit Not Heating/Cooling Effectively:**

- Check the water flow rate. Ensure it is within the recommended 1500-2000 GPH range. Too fast a flow can reduce efficiency. Refer to the flow rate optimization video in Section 4.
- Verify the ambient air temperature. Heat pump efficiency is affected by outside temperatures.
- Ensure the pool cover is used when not swimming to retain heat.

- **Compressor Not Operating Correctly:**

- If the compressor is not working as expected, check if the timer function is active. Disabling the timer may resolve the issue.

- **WiFi Connectivity Issues:**

- Ensure the unit is within range of a strong WiFi signal. Consider using a WiFi extender if the signal is weak.
- Restart both your router and the pool heater.

- **Error Codes:**

- Refer to the specific error code displayed on the unit's screen for detailed troubleshooting steps in the full manual.



This video demonstrates how to disable the timer function on the Varpoolfaye pool heater's control panel, which is essential for resolving certain compressor operation issues.

8. SPECIFICATIONS

Specification	Value
Model Number	XKP2207BP
BTU Output	30000 BTU
Voltage	120V
Recommended Pool Size	Up to 8000 Gallons
Heating Temperature Range	46°F - 104°F
Cooling Temperature Range	46°F - 82°F
Coefficient of Performance (COP)	5.8
Noise Level	52 dB
Product Dimensions	35 x 14 x 22 inches
Item Weight	119.7 pounds
Connectors	1.5 inch
Power Cord Length	126 inches

30000 BTU Heat Pump Selection Guide

Max pool depth	Gallons	Required at this ambient fahrenheit	Maximum heatable temperature
3.28 ft	8000	72°F	86°F
	5000	72°F	94°F
	8000	59°F	75°F
	5000	59°F	80°F
Max pool depth	Gallons	Required at this ambient fahrenheit	Maximum heatable temperature
3.94 ft	8000	72°F	90°F
	5000	72°F	99°F
	8000	59°F	77°F
	5000	59°F	84°F

A detailed selection guide table for the 30000 BTU heat pump, providing recommendations based on maximum pool depth (3.28 ft and 3.94 ft), pool volume (5000 and 8000 gallons), required ambient temperature (72°F and 59°F), and corresponding maximum heatable temperatures.

9. WARRANTY AND SUPPORT

The Varpoolfaye 30000 BTU Electric Pool Heater typically comes with a 1-year warranty covering manufacturing defects. For specific warranty terms, claims, or technical support, please refer to the contact information provided with your product packaging or visit the official Varpoolfaye website. When contacting support, please have your model number (XKP2207BP) and purchase details readily available.