

[Manuals.plus](#) /

› [Varpoolfaye](#) /

› Varpoolfaye 58000 BTU Inverter Swimming Pool Heat Pump Instruction Manual

Varpoolfaye KSPF-010L1UR1A2

Varpoolfaye 58000 BTU Inverter Swimming Pool Heat Pump Instruction Manual

Model: KSPF-010L1UR1A2

1. INTRODUCTION

Thank you for choosing the Varpoolfaye 58000 BTU Inverter Swimming Pool Heat Pump. This unit is designed to efficiently heat or cool your pool water, providing comfortable swimming conditions across various seasons. This manual contains important information regarding the installation, operation, and maintenance of your heat pump. Please read it thoroughly before installation and keep it for future reference.



Figure 1.1: Varpoolfaye 58000 BTU Inverter Swimming Pool Heat Pump, showing key specifications like 58000 BTU warming, 220V-240V/60Hz power, 17000 Gallon capacity, and energy efficiency.

2. SAFETY INFORMATION

Please observe the following safety precautions to prevent injury and damage to the equipment:

- Ensure the unit is installed by a qualified professional in accordance with local electrical and plumbing codes.
- Always disconnect power to the unit before performing any maintenance or service.
- Do not operate the unit if any part is damaged or missing.
- Keep children and pets away from the unit during operation.
- Ensure proper ventilation around the heat pump. Do not block air inlets or outlets.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

3. PRODUCT FEATURES

The Varpoolfaye Inverter Swimming Pool Heat Pump offers advanced features for efficient and convenient pool temperature management:

- **Titanium Spiral Heat Exchanger:** Equipped with a corrosion-resistant and durable titanium spiral heat exchanger, suitable for above-ground and in-ground pools up to 17,000 gallons.
- **Precise Temperature Control:** Provides accurate heating from 46°F to 104°F and cooling from 46°F to 82°F.
- **Rapid Heating Function:** Features a one-touch rapid heating mode that boosts efficiency by 40% for quicker water warming.
- **Smart Control:** Full control via a dedicated mobile application or the integrated control panel. Adjust temperature, monitor energy usage, and schedule heating/cooling cycles remotely.
- **Quiet Operation:** Designed with extra soundproofing, operating at a low noise level of 50dB for minimal disturbance.
- **High Energy Efficiency:** Achieves a high Coefficient of Performance (COP) of 6.6, utilizing DC inverter technology to absorb air energy and transfer it to the water, reducing electricity costs.
- **Versatile Water Compatibility:** Suitable for both freshwater and saltwater pools.
- **Advanced Controller:** Incorporates a 4th generation upgraded controller with an AI-based vector control algorithm for stable operation and extended lifespan.
- **Auto Defrost:** The unit automatically defrosts based on operating conditions.

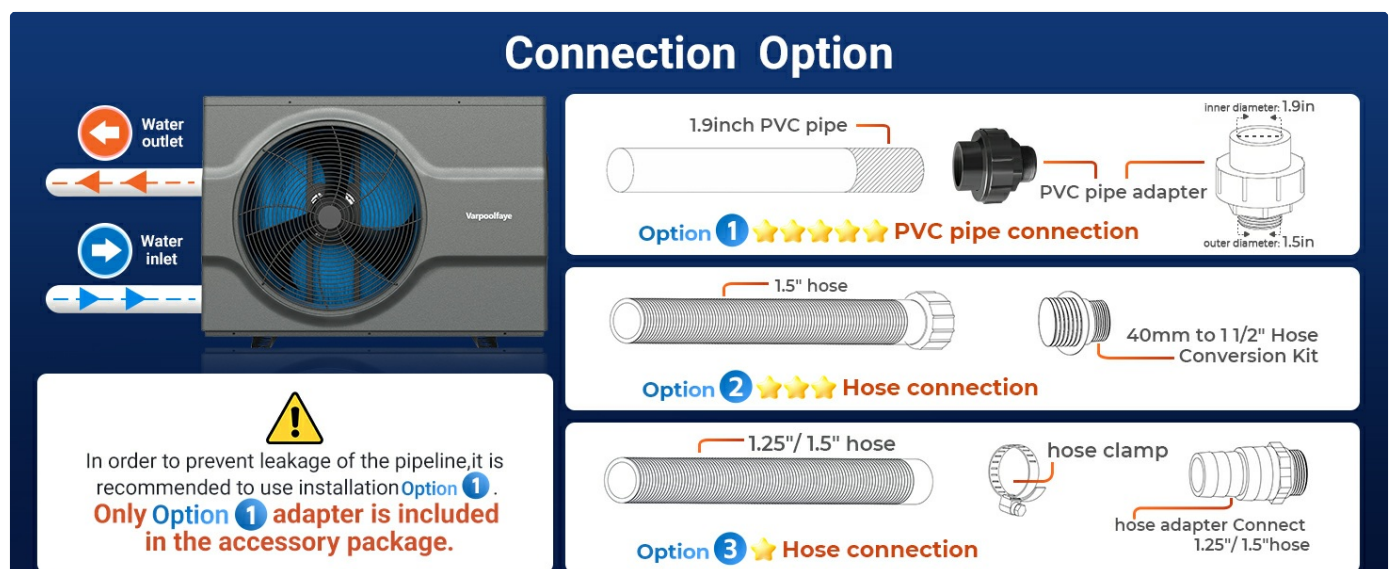


Figure 3.1: Overview of key heat pump features, including low noise operation (<45dB), high energy efficiency (COP 6.6), smart mode, and automatic defrosting.



Figure 3.2: Illustration of the 4th generation upgraded controller, highlighting its powerful chip, energy consumption performance, water resistance rating, and ease of replacement/maintenance.

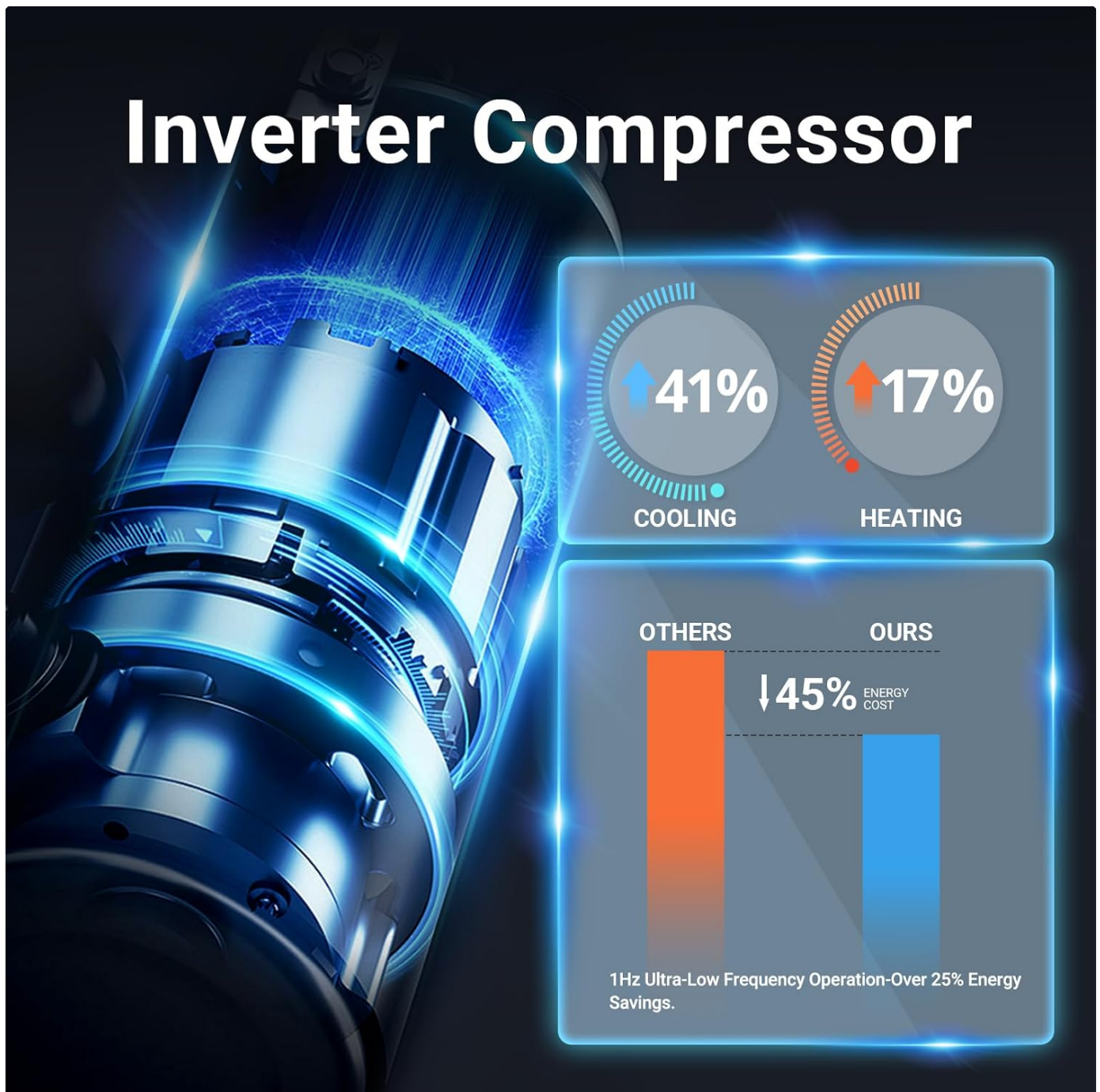


Figure 3.3: Illustration of the inverter compressor technology, highlighting efficiency gains in cooling and heating, and energy savings compared to other systems.



Figure 3.4: Diagram illustrating the energy cost savings with R32 refrigerant and a COP of 6.6, indicating high energy efficiency.

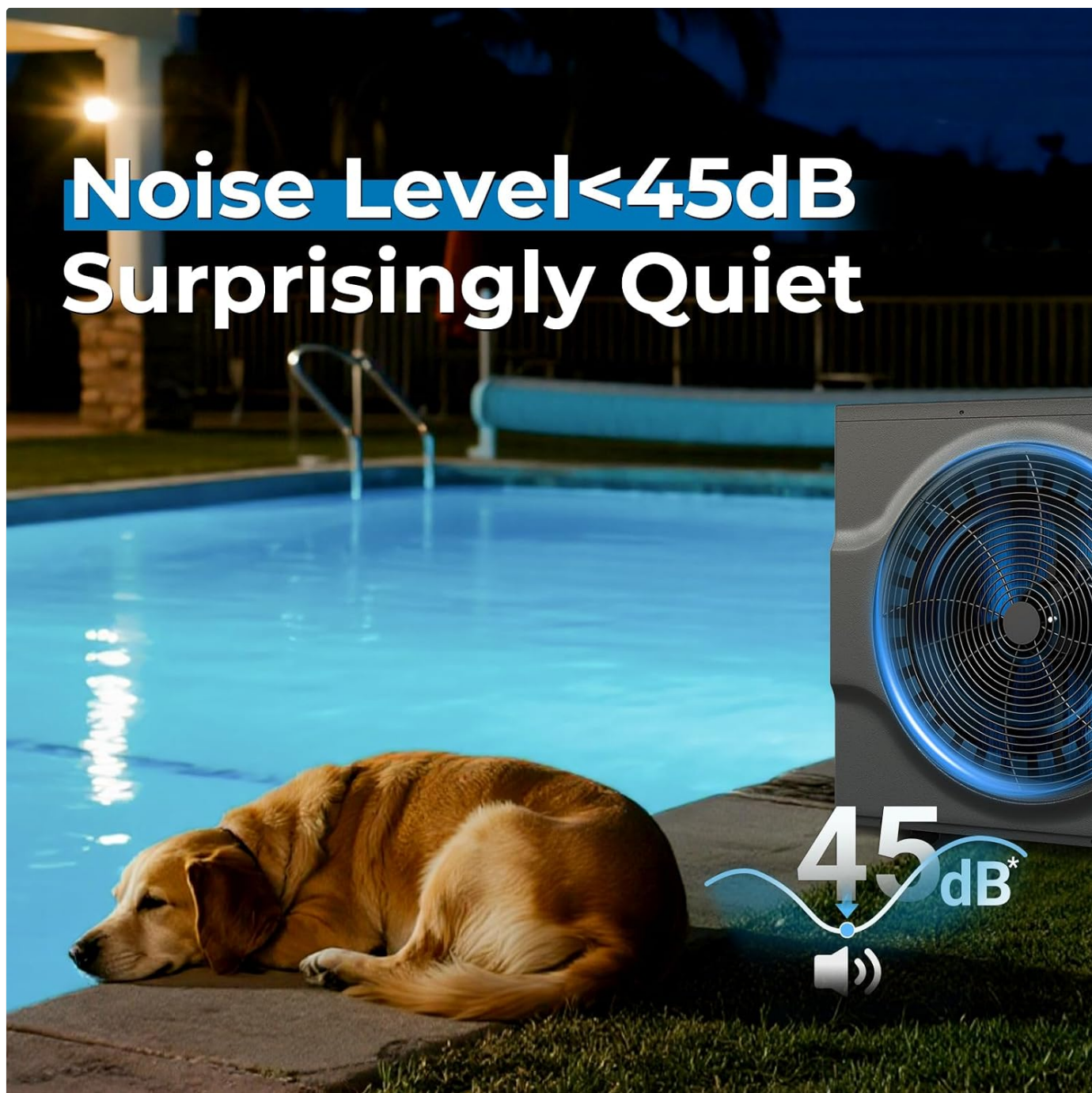


Figure 3.5: Image depicting the heat pump operating quietly by a pool, emphasizing its low noise level of less than 45dB.

4. PACKAGE CONTENTS

Upon unpacking, please verify that all components are present:

- Varpoolfaye 58000 BTU Inverter Swimming Pool Heat Pump Unit
- Hose Adapters (suitable for 1.5-inch hoses)
- Power Cord (approximately 126 inches / 3 meters)
- Instruction Manual (this document)

5. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your heat pump. It is recommended to have a qualified technician perform the installation.

5.1 Placement

- Place the heat pump on a solid, level surface.
- Ensure adequate clearance around the unit for proper airflow. Do not place it in an enclosed space.
- Position the unit to minimize noise disturbance to neighbors.

5.2 Water Connection

Connect the heat pump to your pool's filtration system. The unit comes with hose adapters suitable for 1.5-inch hoses. For optimal performance and to prevent leaks, a PVC pipe connection is recommended where possible.

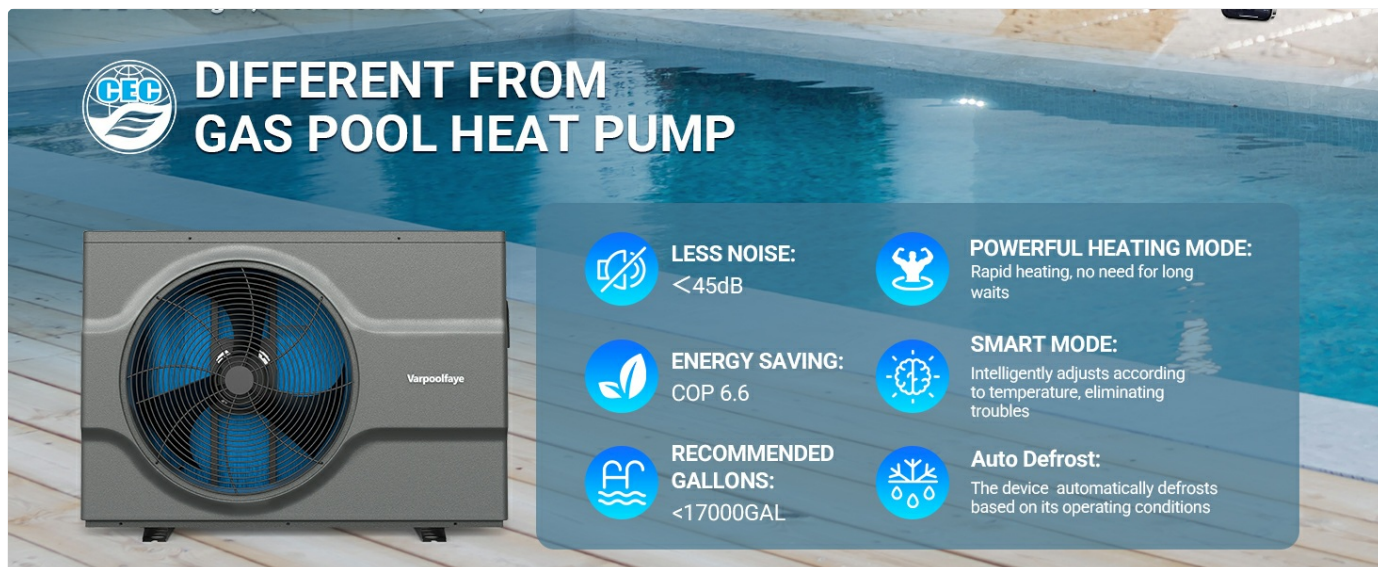


Figure 5.1: Diagram illustrating various connection options for the heat pump, including PVC pipe connection (Option 1), 1.5-inch hose connection (Option 2), and 1.25-inch/1.5-inch hose connection with hose clamp (Option 3). Note that only Option 1 adapter is included in the accessory package.

5.3 Electrical Connection

The unit requires a 220V/60Hz power supply. Ensure the electrical circuit is properly sized and protected by a ground fault circuit interrupter (GFCI) as required by local codes. The included power cord is approximately 3 meters long.

5.4 Pool Compatibility

This heat pump is suitable for various pool types, including round, rectangle, capsule, and random shapes, for both above-ground and in-ground installations.



Figure 5.2: Visual representation showing the heat pump's suitability for different pool shapes: Round, Rectangle, Capsule, and Random.

5.5 Pool Size and Performance Guide

Refer to the selection guide below to understand the heat pump's performance based on pool depth, volume, and ambient

temperature.

58000 BTU Heat Pump Selection Guide			
Max pool depth	Gallons	Required at this ambient fahrenheit	Maximum heatable temperature
3.94 ft	17000	72°F	100°F
	13000	72°F	104°F
	17000	59°F	93°F
	13000	59°F	97°F
Max pool depth	Gallons	Required at this ambient fahrenheit	Maximum heatable temperature
4.95 ft	17000	72°F	104°F
	13000	72°F	104°F
	17000	59°F	95°F
	13000	59°F	100°F

Figure 5.3: Table showing the 58000 BTU Heat Pump Selection Guide, detailing maximum heatable temperature based on max pool depth, gallons, and required ambient Fahrenheit temperature.

6. OPERATING INSTRUCTIONS

Your Varpoolfaye heat pump can be controlled via its integrated control panel or through the dedicated mobile application.

6.1 Control Panel Operation

The control panel allows direct adjustment of settings. Refer to the on-screen interface for mode selection (Eco Heat, Quick Heat, Smart Heat, Eco Cold, Quick Cold, Smart Cold), temperature setting, and timer functions.

6.2 Mobile App Control (WiFi)

Download the "Smart Life" application from the App Store or Google Play. Follow the app's instructions to connect your heat pump to your home WiFi network. The app provides comprehensive control, including:

- Remote temperature adjustment.
- Real-time energy usage tracking.
- Scheduling heating/cooling on/off times.
- Monitoring various operational parameters (ambient temperature, coil temperature, water inlet/outlet temperature).

Remote Control

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

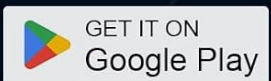
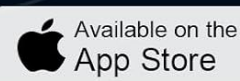
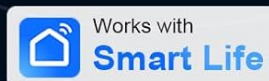


Figure 6.1: Screenshots of the mobile application interface, demonstrating remote temperature control, settings adjustments, and scheduling features for the heat pump.



Suitable for All Type of Pool >>>>

Figure 6.2: Image showing both the mobile app interface and the physical touchscreen control panel, highlighting options for mode selection and timer settings.

6.3 Maintaining Pool Temperature

For continuous warmth, the heat pump maintains the desired temperature through constant water circulation. A recommended flow rate of 1800-2400 GPH (Gallons Per Hour) is ideal for efficient operation.



Figure 6.3: Illustration demonstrating the heat pump's ability to keep the pool warm 24 hours a day through continuous water inflow and outflow, with a recommended flow rate of 1800-2400 GPH.

6.4 Enhancing Efficiency with a Pool Cover

Using a pool cover significantly improves heating efficiency by reducing heat loss. This can lead to substantial energy savings.



Figure 6.4: Image illustrating how a pool cover helps improve heating efficiency by preventing heat loss from the water surface.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your heat pump.

- **Clean the Coils:** Periodically inspect and clean the evaporator coils to remove any debris, leaves, or dirt that may obstruct airflow.
- **Check Water Flow:** Ensure there is adequate water flow through the unit. Clogged filters or low pump pressure can reduce efficiency.
- **Inspect Wiring:** Annually, have a qualified technician inspect all electrical connections for wear or corrosion.

- **Winterization:** In colder climates, follow proper winterization procedures to protect the unit from freezing temperatures. Consult a pool professional if unsure.
- **Keep Area Clear:** Maintain a clear area around the heat pump, free from vegetation or obstructions, to ensure proper ventilation.

8. TROUBLESHOOTING

If you encounter issues with your heat pump, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; circuit breaker tripped; loose wiring.	Check power connection; reset circuit breaker; ensure all wiring is secure (consult technician).
Insufficient heating/cooling	Low water flow; dirty coils; incorrect temperature setting; ambient temperature too low/high.	Check pool pump and filter; clean evaporator coils; verify desired temperature setting; ensure unit is suitable for current ambient conditions.
Unusual noise during operation	Debris in fan; loose components; compressor issue.	Inspect fan for obstructions; check for loose panels; if noise persists, contact support.
Water leaks	Loose connections; damaged plumbing.	Tighten all water connections; inspect hoses and pipes for damage and replace if necessary.
App connectivity issues	Poor WiFi signal; incorrect app settings; router issues.	Ensure strong WiFi signal near unit; reconfigure app connection; restart router.

If the problem persists after attempting these solutions, please contact Varpoolfaye customer support for further assistance.

9. SPECIFICATIONS

Specification	Detail
Brand	Varpoolfaye
Model Number	KSPF-010L1UR1A2
BTU Rating	58000 BTU
Power Source	Corded Electric (220V/60Hz)
Material	Metal
Style	Above Ground (suitable for both above and in-ground pools)
Max Pool Capacity	17,000 Gallons
Heating Temperature Range	46°F – 104°F
Cooling Temperature Range	46°F – 82°F

Specification	Detail
Noise Level	<50dB
Energy Efficiency (COP)	6.6

10. WARRANTY AND SUPPORT

The Varpoolfaye 58000 BTU Inverter Swimming Pool Heat Pump comes with a 3-year warranty, as indicated by the product information. For warranty claims, technical support, or any questions regarding your product, please contact Varpoolfaye customer service.

You can typically find contact information on the manufacturer’s website or through the retailer where the product was purchased. Please have your model number (KSPF-010L1UR1A2) and purchase date ready when contacting support.

11. PRODUCT VIDEO OVERVIEW

Watch this official product video for a visual overview of the Varpoolfaye 58000 BTU Inverter Swimming Pool Heat Pump's features and benefits.

Your browser does not support the video tag.

Video 11.1: An official video from Varpoolfaye-US showcasing the 58000 BTU Inverter Swimming Pool Heat Pump, demonstrating its smart features and all-season comfort capabilities.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

