

[Manuals.plus](#) /

› [Varpoolfaye](#) /

› Varpoolfaye 140000 BTU Inverter Swimming Pool Heat Pump (Model KSPF-010L1UR1A2) User Manual

Varpoolfaye KSPF-010L1UR1A2

Varpoolfaye 140000 BTU Inverter Swimming Pool Heat Pump

MODEL: KSPF-010L1UR1A2 USER MANUAL

1. Introduction

This manual provides detailed instructions for the safe and efficient operation, installation, and maintenance of your Varpoolfaye 140000 BTU Inverter Swimming Pool Heat Pump. Please read this manual thoroughly before installation and use, and retain it for future reference. This heat pump is designed to efficiently heat or cool swimming pools up to 42000 gallons, utilizing inverter technology and WiFi control for optimal performance.



Image 1.1: Overview of the Varpoolfaye 140000 BTU Inverter Swimming Pool Heat Pump, highlighting its 140000 BTU capacity, 220-240V power requirement, suitability for up to 42000-gallon pools, and top air outlet design.

2. Safety Information

Always observe the following safety precautions to reduce the risk of fire, electric shock, or injury.

- **Electrical Safety:** Ensure the unit is connected to a properly grounded 220V-240V, 60Hz power supply. All electrical wiring must be performed by a qualified electrician and comply with local codes.
- **Water Connection:** Ensure all water connections are secure and leak-free before operating the unit.

- **Placement:** Install the heat pump in a well-ventilated area, away from flammable materials and obstructions. Maintain adequate clearance around the unit for proper airflow.
- **Children and Pets:** Keep children and pets away from the unit during operation.
- **Maintenance:** Disconnect power before performing any maintenance or service.
- **Professional Service:** Do not attempt to repair the unit yourself. Refer all servicing to qualified service personnel.

3. Product Features

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

- **High Efficiency:** Delivers 140000 BTU with a Coefficient of Performance (COP) up to 12.8, utilizing air energy for cost-effective heating or cooling.
- **Quiet Operation:** Operates at a low noise level of approximately 47dB, ensuring a peaceful swimming environment.
- **Versatile Application:** Suitable for both freshwater and saltwater inground and above-ground pools up to 42000 gallons.
- **Inverter Technology:** Features an inverter compressor for extended lifespan, reduced energy consumption, and precise temperature control.
- **Smart Control Panel:** Equipped with an intelligent control panel for easy setting adjustments.
- **WiFi Remote Control:** Manage your heat pump remotely via a dedicated app, allowing temperature adjustments, scheduling, and mode switching from anywhere.
- **Easy Installation:** Includes 1.5-inch connectors and a 118-inch power cord for straightforward setup.

3-Surface Heat Exchange + Top Air Outlet Design

ENERGY COST SAVING 45%

- ✓ Higher heat exchange efficiency
- ✓ Adapts to various installation environments

max
COP 12.80



Image 3.1: Illustration of the 3-Surface Heat Exchange and Top Air Outlet Design, contributing to energy efficiency and a maximum COP of 12.8.

Inverter Compressor

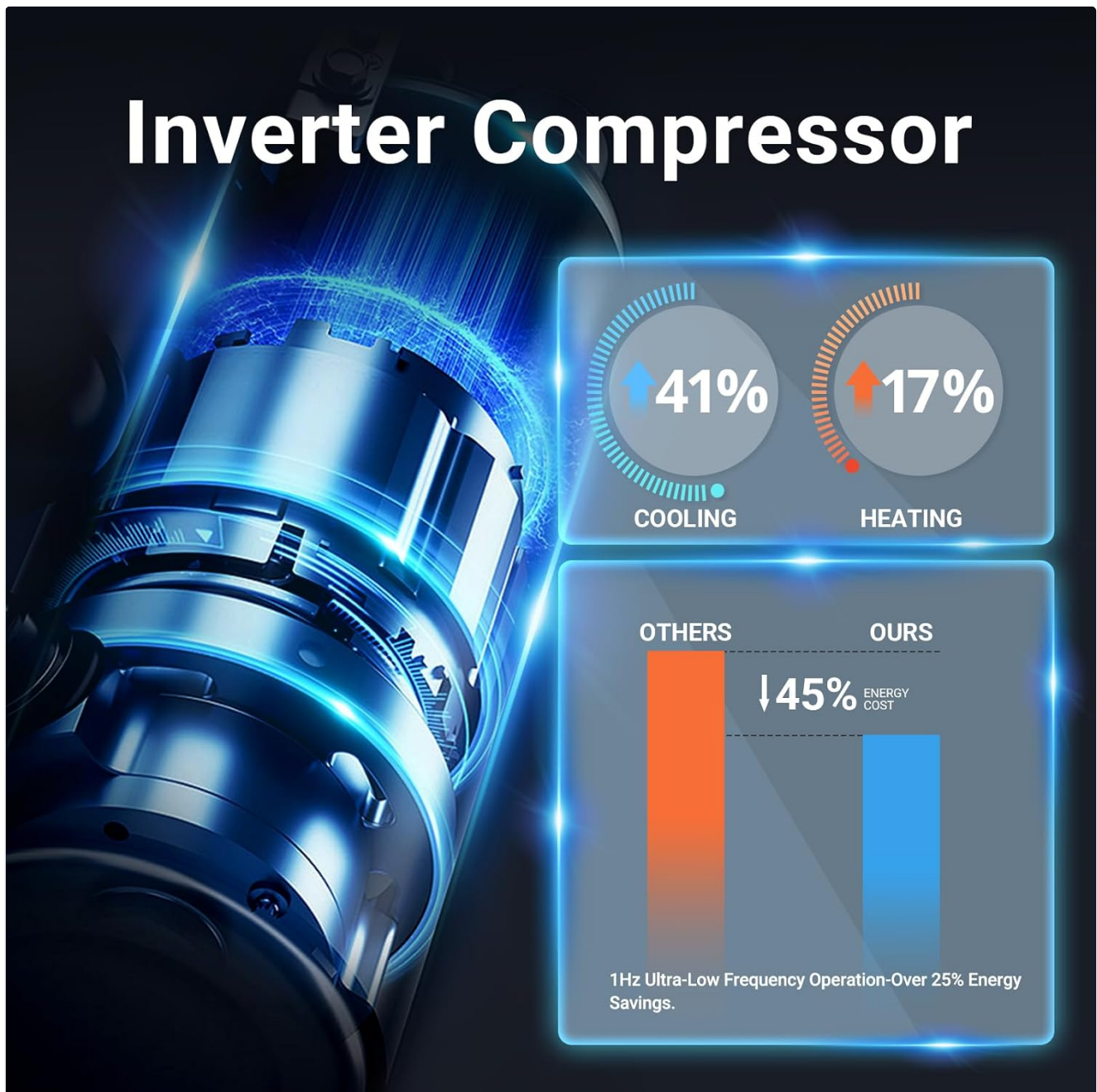


Image 3.2: Diagram illustrating the energy efficiency of the inverter compressor, showing significant energy cost savings compared to traditional systems.

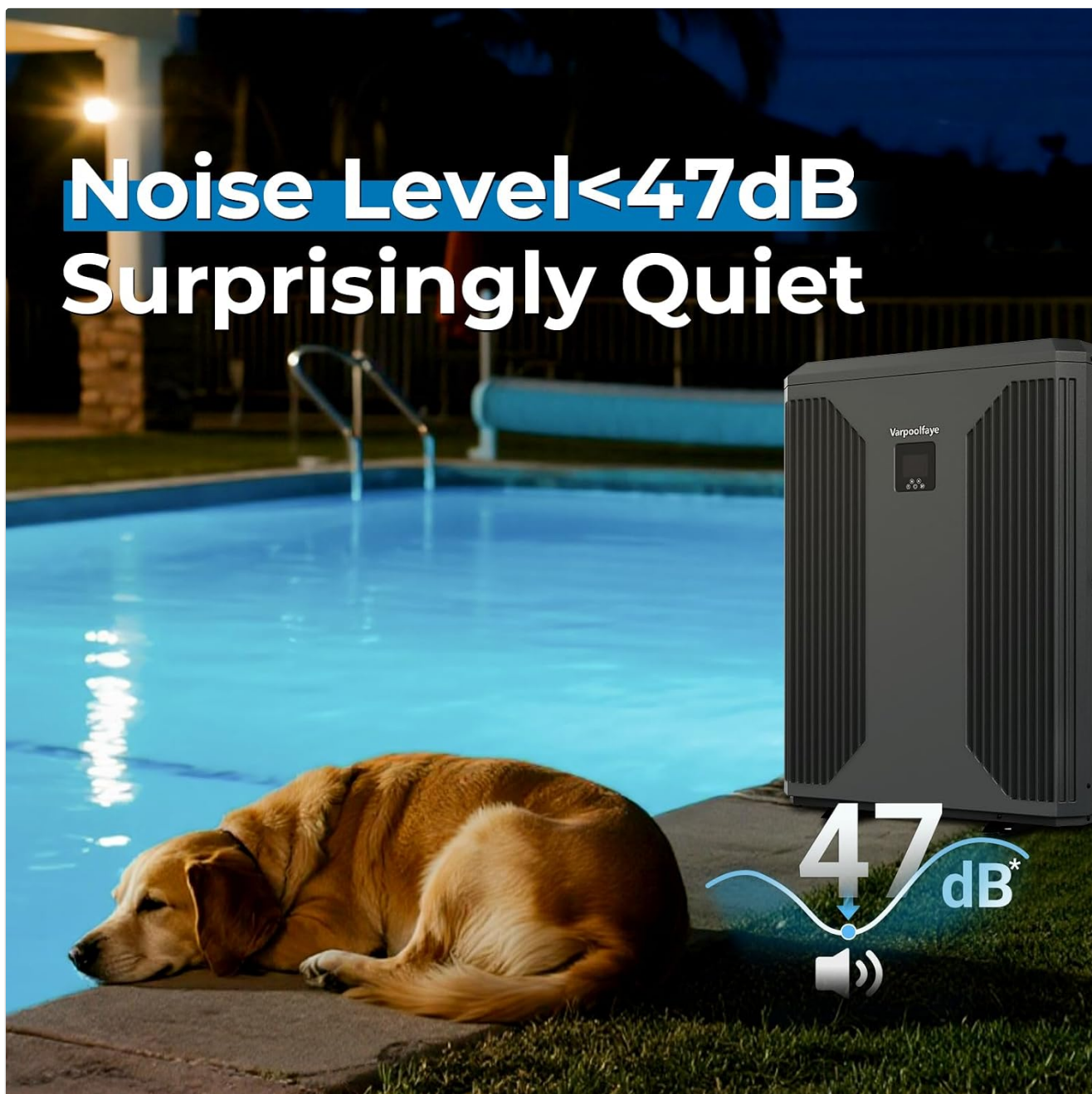


Image 3.3: The heat pump operating quietly by a pool, demonstrating its low noise level of less than 47dB.

4. Setup and Installation

Proper installation is crucial for the performance and longevity of your heat pump. It is recommended that installation be performed by a qualified professional.

4.1 Placement

Choose a location that allows for unrestricted airflow to and from the unit. Ensure there is sufficient space around the heat pump for maintenance and operation. Avoid placing it near windows or sleeping areas due to potential noise.

4.2 Water Connection

The heat pump should be installed in the pool's filtration system after the filter and before any chemical feeders. The unit includes 1.5-inch connectors for plumbing.



Image 4.1: Diagram illustrating two connection options for the heat pump: Option 1 for 1.5-inch PVC pipe connection (recommended for preventing leaks, adapter included) and Option 2 for 1.5-inch hose connection (requires a 40mm to 1 1/2" hose conversion kit, not included).

For optimal performance and to prevent leaks, the use of 1.5-inch PVC piping (Option 1) is recommended. The necessary adapter for PVC pipe connection is included in the accessory package. If using a 1.5-inch hose (Option 2), a separate 40mm to 1 1/2" hose conversion kit will be required.

4.3 Electrical Connection

Connect the heat pump to a dedicated 220V-240V, 60Hz electrical circuit. The unit comes with a 118-inch power cord. Ensure proper grounding and circuit protection as per local electrical codes. Consult a licensed electrician for all electrical work.

5. Operating Instructions

Your Varpoolfaye heat pump features an intelligent control panel and WiFi connectivity for convenient operation.

5.1 Initial Startup

1. Ensure all water and electrical connections are secure and the pool pump is running.
2. Turn on the power supply to the heat pump.
3. The unit will perform a self-check. Follow the on-screen prompts on the control panel.

5.2 Setting Desired Temperature

Use the intelligent control panel on the unit or the mobile app to set your desired pool water temperature. The inverter technology will adjust its operation to maintain this temperature efficiently.

5.3 WiFi Control (App Operation)

Download the dedicated Varpoolfaye app to your smartphone. Follow the in-app instructions to connect your heat pump to your home WiFi network. Once connected, you can:

- Adjust the target water temperature.
- Schedule operating times.
- Switch between heating and cooling modes.
- Monitor the unit's status and performance.

Remote Control

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

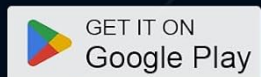
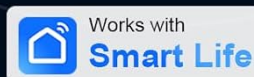


Image 5.1: Screenshots of the mobile application interface for remote control of the Varpoolfaye heat pump, showing temperature settings, scheduling, and various operational parameters.

6. Maintenance

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

- **Clean Coils:** Periodically inspect and clean the evaporator coils to remove dirt, leaves, and debris. A clean coil ensures efficient heat exchange.
- **Clear Airflow:** Ensure the area around the unit remains free of obstructions to maintain proper airflow.
- **Water Chemistry:** Maintain proper pool water chemistry to prevent corrosion and scaling within the heat pump's components.
- **Winterization:** In colder climates, follow proper winterization procedures to protect the unit from freezing temperatures. Consult a pool professional for guidance.
- **Annual Inspection:** Have a qualified technician inspect the unit annually to ensure all components are functioning correctly.

7. Troubleshooting

This section provides solutions to common issues. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Unit not turning on	No power, tripped breaker, faulty wiring	Check power supply, reset breaker, consult electrician.
Insufficient heating/cooling	Dirty coils, low refrigerant, improper water flow, undersized unit for pool volume	Clean coils, ensure proper water flow, verify unit sizing against pool volume. Contact service for refrigerant issues.
Unusual noise	Loose components, fan obstruction, compressor issue	Inspect for loose parts or obstructions. If noise persists, contact customer support.
Water leaks	Loose connections, damaged plumbing	Tighten connections, inspect plumbing for damage.

8. Specifications

Key technical specifications for the Varpoolfaye 140000 BTU Inverter Swimming Pool Heat Pump (Model KSPF-010L1UR1A2):

Specification	Value
Model Number	KSPF-010L1UR1A2
Heating Capacity	140000 BTU
Coefficient of Performance (COP)	Up to 12.8
Power Supply	220V-240V, 60Hz
Recommended Pool Volume	Up to 42000 Gallons
Noise Level	Less than 47dB
Product Dimensions (L x W x H)	28.7 x 28.7 x 38.6 inches
Item Weight	337 pounds

8.1 Pool Sizing Guide

Refer to the following guide for estimated maximum heatable temperatures based on pool depth and ambient temperature:

140000 BTU Heat Pump Selection Guide			
Max pool depth	Gallons	Required at this ambient fahrenheit	Maximum heatable temperature
5.58 ft	42000	72°F	97°F
	35000	72°F	100°F
	42000	59°F	82°F
	35000	59°F	85°F
Max pool depth	Gallons	Required at this ambient fahrenheit	Maximum heatable temperature
4.92 ft	42000	72°F	92°F
	35000	72°F	97°F
	42000	59°F	80°F
	35000	59°F	83°F

Image 8.1: A selection guide table for the 140000 BTU heat pump, showing maximum heatable temperatures for different pool depths (5.58 ft and 4.92 ft) and volumes (42000 and 35000 gallons) at various ambient temperatures (72°F and 59°F).

9. Warranty and Support

The Varpoolfaye 140000 BTU Inverter Swimming Pool Heat Pump comes with a**3-year warranty**. For warranty claims or technical assistance, please contact Varpoolfaye customer support. Additionally, a 30-day easy return policy is available for eligible purchases.

For customer support, please refer to the contact information provided with your purchase or visit the official Varpoolfaye website.

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