

FibroPool FH120

FibroPool FH120 Swimming Pool Heat Pump Instruction Manual

Model: FH120

INTRODUCTION

The FibroPool FH120 is an electric heat pump designed to efficiently heat above-ground and in-ground swimming pools and spas. This unit transfers heat from the air into your pool water, offering an energy-efficient alternative to traditional gas or propane heaters. It is suitable for in-ground pools up to 5,000 gallons and above-ground pools up to 15-foot round or 12 by 18-foot oval. For optimal performance, it is recommended for use in humid climates with temperatures down to 50 degrees Fahrenheit.

SAFETY INFORMATION

WARNING: To prevent electric shock and injury from rotating components, always isolate the unit electrically before attempting any maintenance or removing panels. Ensure all electrical connections are performed by a qualified electrician and comply with local codes and regulations. Keep children and pets away from the unit during operation. Do not block the air intake or exhaust vents of the heat pump. Maintain adequate clearance around the unit for proper airflow. Always follow the manufacturer's guidelines for installation and operation to ensure safe and efficient use.

SETUP AND INSTALLATION

The FH120 heat pump features a slim profile, measuring 16"x40"x24", allowing for various mounting options. Proper installation is crucial for performance and safety. The unit should be placed on a stable, level surface with sufficient clearance for airflow and maintenance access.

Plumbing Connections

Connect the heat pump to your pool's filtration system. Water flows from the pool pump, through the filter, then into the heat pump's "WATER IN" port, and finally exits the "WATER OUT" port back to the pool. Ensure all connections are secure and watertight to prevent leaks. It is recommended to install bypass valves to isolate the heater for

maintenance or chemical treatments.



Image: Front view of the FibroPool FH120 heat pump, showing the digital control panel, water inlet, water outlet, and power supply connections.

Electrical Connections

The FH120 requires a dedicated electrical supply. Consult a qualified electrician for proper wiring and ensure compliance with all local electrical codes. The unit is powered by clean electricity, eliminating the need for natural gas or propane.

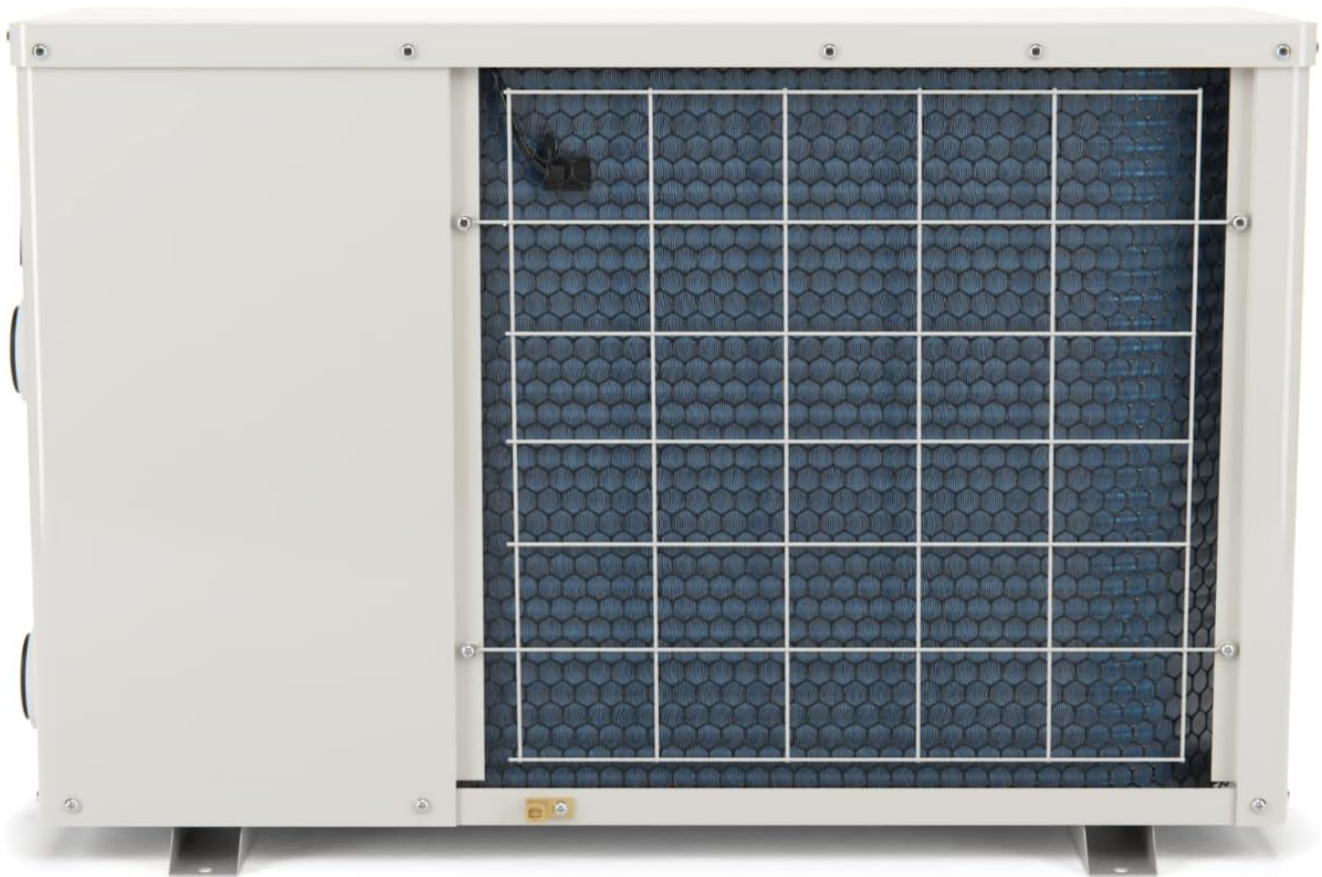


Image: Side view of the FibroPool FH120 heat pump, highlighting the fan and air intake grille.

OPERATING INSTRUCTIONS

The digital control panel provides convenient temperature setting and monitoring. An optional extension cable allows for remote mounting of the control panel.

Setting Desired Temperature

1. Ensure the heat pump is in standby mode (machine shut off, displaying "ROOM" temperature). If it is currently running, press the power button to put it into standby.
2. Press the "SET" button. The display will show "NO." and "VALUE".
3. To adjust the desired temperature, press and hold both the "UP" and "DOWN" arrow buttons simultaneously for approximately 5 seconds until you hear a beep.
4. Once the beep sounds, you can use the "UP" and "DOWN" arrow buttons to adjust the target temperature to your desired setting.
5. After setting the temperature, allow the display to return to the standby mode automatically (it will save the value).
6. Press the power button again to restart the heat pump. The unit will begin heating to the newly set temperature. Note that it may take between 30 seconds and 2 minutes for the unit to kick back on and begin heating.



Image: Close-up of the digital control panel, showing temperature display and control buttons.

MAINTENANCE

The FH120 features an enamel-coated steel chassis designed for durability against outdoor elements. Regular maintenance ensures optimal performance and longevity.

- **Cleaning:** Periodically clean the exterior of the unit and ensure the air intake and exhaust grilles are free from debris, leaves, and other obstructions.
- **Water Flow:** Regularly check your pool's water flow to ensure it meets the heat pump's requirements. Insufficient flow can reduce efficiency and potentially damage the unit.
- **Winterization:** Before freezing temperatures arrive, properly winterize your heat pump according to the instructions in the full product manual to prevent damage.

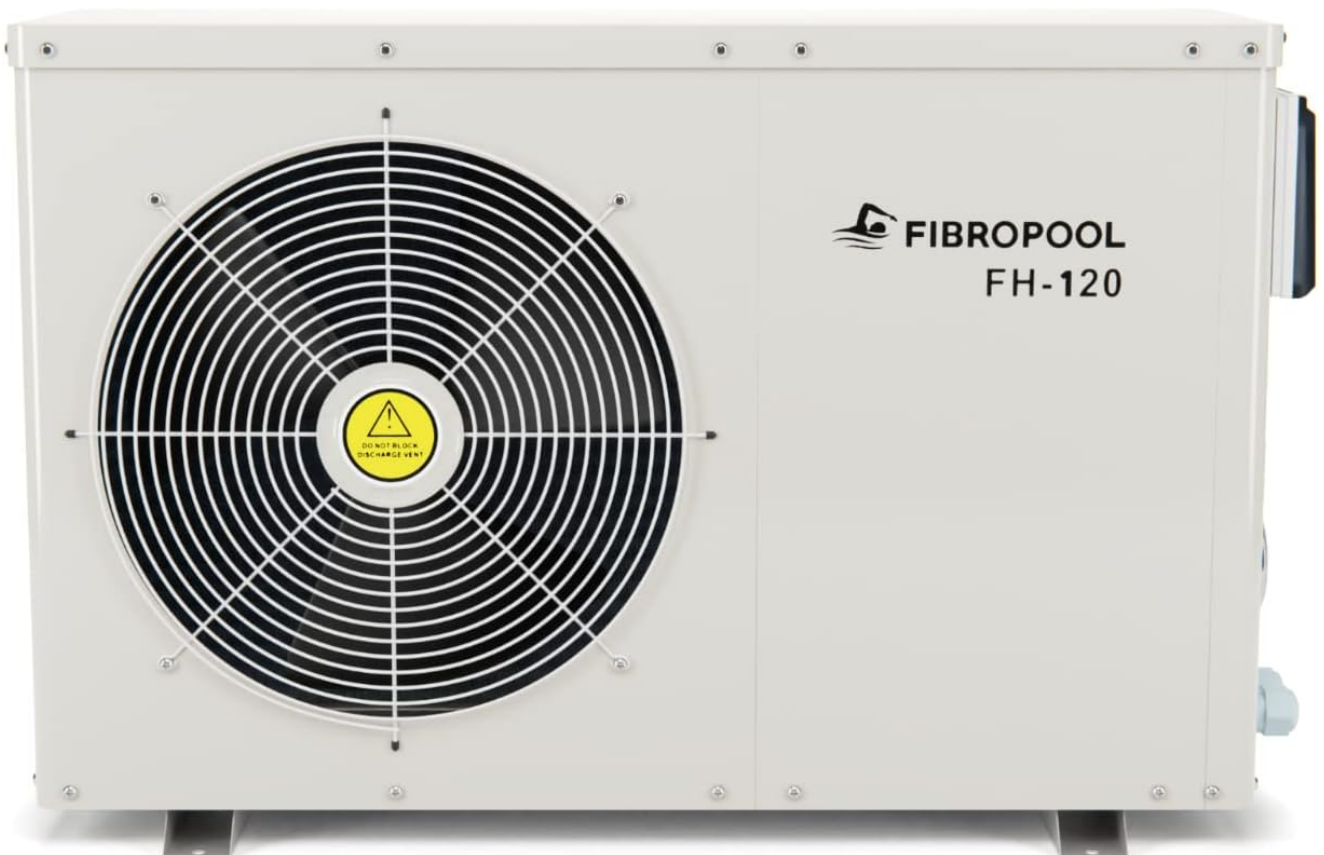


Image: Rear view of the FibroPool FH120 heat pump, showing the heat exchange coil.

TROUBLESHOOTING

If you encounter issues with your FibroPool FH120 heat pump, consider the following common troubleshooting

steps:

- **Unit Not Heating:**

- Check if the power supply is connected and active.
- Verify that the desired temperature is set correctly and is higher than the current pool temperature.
- Ensure adequate water flow through the unit. Check for blockages in the plumbing or filter.
- Confirm that the ambient air temperature is within the recommended operating range (above 50°F for optimal performance).

- **Reduced Heating Efficiency:**

- Clean any debris from the air intake and exhaust grilles.
- Ensure proper air circulation around the unit.
- Verify that the pool is covered when not in use to minimize heat loss.

- **Unusual Noise:**

- Inspect the fan for any obstructions.
- Ensure the unit is placed on a stable surface to minimize vibrations.

For persistent issues, refer to the comprehensive troubleshooting section in the full product manual or contact customer support.

SPECIFICATIONS

Feature	Detail
Model Number	FH120
Heating Capacity	20,000 BTU
Power Source	Electric
Product Dimensions	33 x 14 x 26 inches
Item Weight	74 pounds
Compatibility	In-ground pools up to 5,000 gallons; Above-ground pools up to 15 ft round or 12x18 ft oval
Chassis Material	Enamel-coated steel

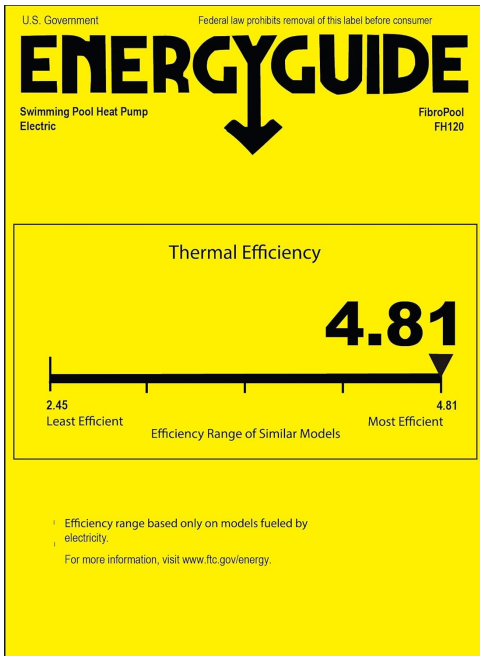


Image: EnergyGuide label for the FibroPool FH120, indicating thermal efficiency.

WARRANTY AND SUPPORT

FibroPool is committed to providing quality products and exceptional service. For specific warranty details, please refer to the warranty card included with your product or visit the official FibroPool website. For customer support, technical assistance, or any inquiries, please contact our dedicated support team. Our goal is to ensure a secure and hassle-free pool environment for you.

You can find more information and support resources by visiting the [FibroPool Store on Amazon](#).