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› FibroPool FH255 55,000 BTU Swimming Pool Heat Pump Instruction Manual

## FibroPool FH255

# FibroPool FH255 55,000 BTU Swimming Pool Heat Pump

Instruction Manual

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation, installation, and maintenance of your FibroPool FH255 55,000 BTU Swimming Pool Heat Pump. Please read this manual thoroughly before installation and use, and retain it for future reference.

The FibroPool FH255 is an all-electric heat pump designed to heat above-ground and in-ground pools and spas up to 10,000 gallons (in-ground) or 21-foot round/15x30-foot oval (above-ground). It operates by transferring heat from the ambient air into your pool water, offering an energy-efficient alternative to traditional gas or propane heaters.

## 2. SAFETY INFORMATION

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### **WARNING: Electrical Shock Hazard**

Always disconnect power to the unit before performing any service or maintenance. Installation and service must be performed by a qualified professional in accordance with all local and national electrical codes.

### **General Safety Precautions:**

- Do not block the discharge vent of the heat pump. Ensure adequate airflow around the unit.
- Keep children away from the heat pump during operation.
- Ensure the unit is properly grounded.
- Do not operate the heat pump if any part is damaged or missing.
- 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 OVERVIEW

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The FibroPool FH255 heat pump features a robust design with an enamel-coated steel chassis for durability. Key components include the digital control panel, water inlet/outlet, and the fan discharge vent.



Figure 1: Front view of the FibroPool FH255 Heat Pump, showing the large fan and FibroPool FH-255 branding.



Figure 2: Side view of the FibroPool FH255 Heat Pump, highlighting the digital control panel, water inlet and outlet connections, and the EnergyGuide label.





*Figure 3: Rear view of the FibroPool FH255 Heat Pump, revealing the internal heat exchange coils.*



Figure 4: Angled view of the FibroPool FH255 Heat Pump, providing a comprehensive look at the fan, control panel, and water connections.

U.S. Government

Federal law prohibits removal of this label before consumer

# ENERGYGUIDE

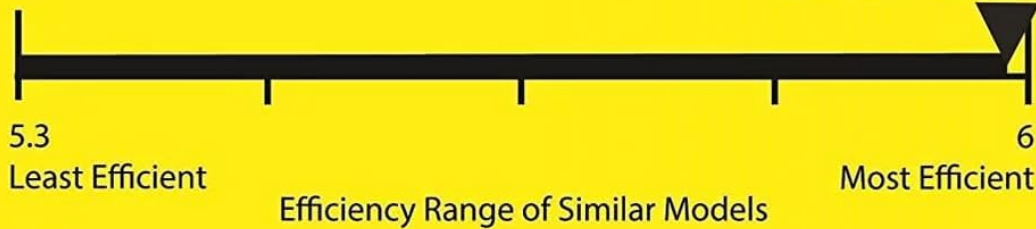
Swimming Pool Heat Pump  
Electric

FibroPool  
FH055



## Thermal Efficiency

**5.92**



Efficiency range based only on models fueled by electricity.

For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).

Figure 5: EnergyGuide label for the FibroPool FH055 (FH255) Swimming Pool Heat Pump, indicating a thermal efficiency of 5.92.

## 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 pool professional.

## 4.1 Site Selection

- Choose a location with adequate airflow, away from obstructions.
- Ensure the unit is placed on a solid, level surface capable of supporting its weight.
- Consider proximity to the pool pump and electrical supply.

## 4.2 Plumbing Connections

The FH255 installs conveniently with included 1 1/2 inch compression fittings. Connect the heat pump in series after the pool filter and before any chemical feeders.

1. Connect the "WATER IN" port to the filtered water return line from your pool pump.
2. Connect the "WATER OUT" port to the return line leading back to your pool.
3. Ensure all connections are watertight.

## 4.3 Electrical Connections

**WARNING: Electrical installation must comply with all local and national electrical codes. Consult a licensed electrician.**

- The FH255 requires a dedicated 240V electrical circuit.
- Ensure proper grounding.
- The unit should be protected by a properly sized circuit breaker.

## 5. OPERATION

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The FH255 features a digital control panel for easy temperature setting and monitoring.

### 5.1 Initial Startup

1. Ensure the pool pump is running and water is flowing through the heat pump.
2. Turn on the electrical power to the heat pump.
3. The digital display will illuminate.

### 5.2 Setting Desired Temperature

- Use the up/down arrows on the control panel to adjust the desired water temperature.
- The heat pump will automatically activate to reach and maintain the set temperature.

### 5.3 Operating Conditions

For optimal performance, the FH255 operates best in humid climates with ambient temperatures down to 50°F (10°C). In dry climates, a traditional gas heater may be more suitable.

The heat pump will cycle on and off as needed to maintain the set temperature. This is normal operation.

## 6. MAINTENANCE

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Regular maintenance ensures efficient operation and extends the lifespan of your FibroPool FH255 heat pump.

## 6.1 Coil Cleaning

- Periodically inspect the evaporator coils (visible from the rear of the unit) for debris such as leaves, dirt, or lint.
- Clean the coils gently with a soft brush or rinse with a garden hose. Do not use high-pressure washers.
- Ensure the fan discharge vent is clear of obstructions.

## 6.2 Winterization

Before freezing temperatures arrive, it is essential to properly winterize your heat pump to prevent damage.

1. Turn off the electrical power to the heat pump at the breaker.
2. Drain all water from the heat pump by disconnecting the plumbing connections.
3. Store the unit in a dry, protected area if possible, or cover it with a breathable, waterproof cover if it must remain outdoors.

## 7. TROUBLESHOOTING

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This section addresses common issues you might encounter with your heat pump.

Problem	Possible Cause	Solution
Heat pump not turning on	No power; circuit breaker tripped; control panel error.	Check power supply and circuit breaker. Consult manual for control panel error codes.
Low heating performance	Dirty evaporator coils; low ambient temperature; insufficient water flow; pool cover not used.	Clean coils. Ensure pool pump is running and filter is clean. Use a solar cover to retain heat. Note that performance decreases in colder temperatures.
Unit making unusual noise	Debris in fan; loose components; compressor issue.	Turn off power and inspect fan for obstructions. If noise persists, contact qualified service personnel.
Water leaking from unit	Condensation (normal); plumbing leak.	Condensation is normal during operation. Check plumbing connections for tightness. If it's not condensation, contact service.

For further assistance, refer to the official FibroPool support resources. You can find helpful videos and guides on the FibroPool YouTube channel.

## 8. SPECIFICATIONS

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Feature	Detail
Model Number	FH255
BTU Output	55,000 BTU
Power Source	All Electric (240V)
Pool Compatibility	In-ground pools up to 10,000 gallons; Above-ground pools up to 21 ft round or 15x30 ft oval
Dimensions (L x W x H)	40 x 14 x 24 inches
Chassis Material	Enamel-coated steel
Heat Exchanger	Titanium
Thermal Efficiency	5.92 (EnergyGuide rating)

## 9. WARRANTY AND SUPPORT

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FibroPool products are designed for longevity and functionality. For specific warranty details, please refer to the warranty card included with your product or visit the official FibroPool website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact FibroPool customer service. You can also find additional resources and product information on the FibroPool Amazon Store.