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Mxmoonant 9KW Pool Heater & 1HP SPA Pump

Mxmoonant Pool Heater 9KW & SPA Pump Instruction Manual

Introduction

Welcome to your new Mxmoonant Pool Heater and SPA Pump system. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new equipment. Please read this manual thoroughly before use and retain it for future reference.

Safety Information

General Safety Precautions

- Read all instructions carefully before attempting installation or operation.
- Keep this manual in a safe place for future reference.
- Ensure the product is properly grounded to prevent electrical shock.
- Do not operate the system if any part appears damaged or if water leakage is detected.
- Keep children and pets away from the equipment during operation.

Electrical Safety

- Installation and electrical connections must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Always disconnect power to the unit before performing any maintenance or servicing.
- Verify that the electrical supply voltage matches the specifications listed on the product label.
- Use appropriate circuit breakers and wiring as specified in the electrical requirements.

Product Overview

Components

This bundled system includes a 9KW Pool Heater and a 1HP SPA Pump, designed to provide efficient heating and circulation for your small pool, SPA, or bathtub.



Image showing the Mxmoonant 9KW Pool Heater and 1HP SPA Pump components, illustrating their combined setup.



Close-up of the Mxmoonant Pool Heater's touchscreen display, highlighting its intuitive and user-friendly interface for temperature control.



Detailed view of the 1HP SPA Pump, indicating its maximum flow rate of 92.5 GPM and rising height of 39.3 FT.

Key Features

- **Convenience and Comfort Combined:** Enjoy the convenience of a bundled package featuring a hot tub heater and a spa pump 1hp, ensuring effortless relaxation and enjoyment whenever you desire.
- **Save Energy:** Combine our energy-efficient spa heater with hot tub pump to reduce functional costs while enjoying the perfect water temperatures.
- **Efficient Pool Thermostat and Relaxing Spa Experience:** Bundle your pool heater with a spa pump for an all-in-one solution to enjoy warm, comfortable spa.
- **Complete Water Temperature Control:** Achieve precise temperature control for both your spa with our bundled heater and pump, ensuring comfort and relaxation for you and your family.
- **Notice:** The pool thermostat is suitable for pool or spa around 1000 gallons. In addition, the electric pool heaters come with 1.5" pvc pipe connectors. It is recommended to use SCH 40 1.5inch pvc pipe.

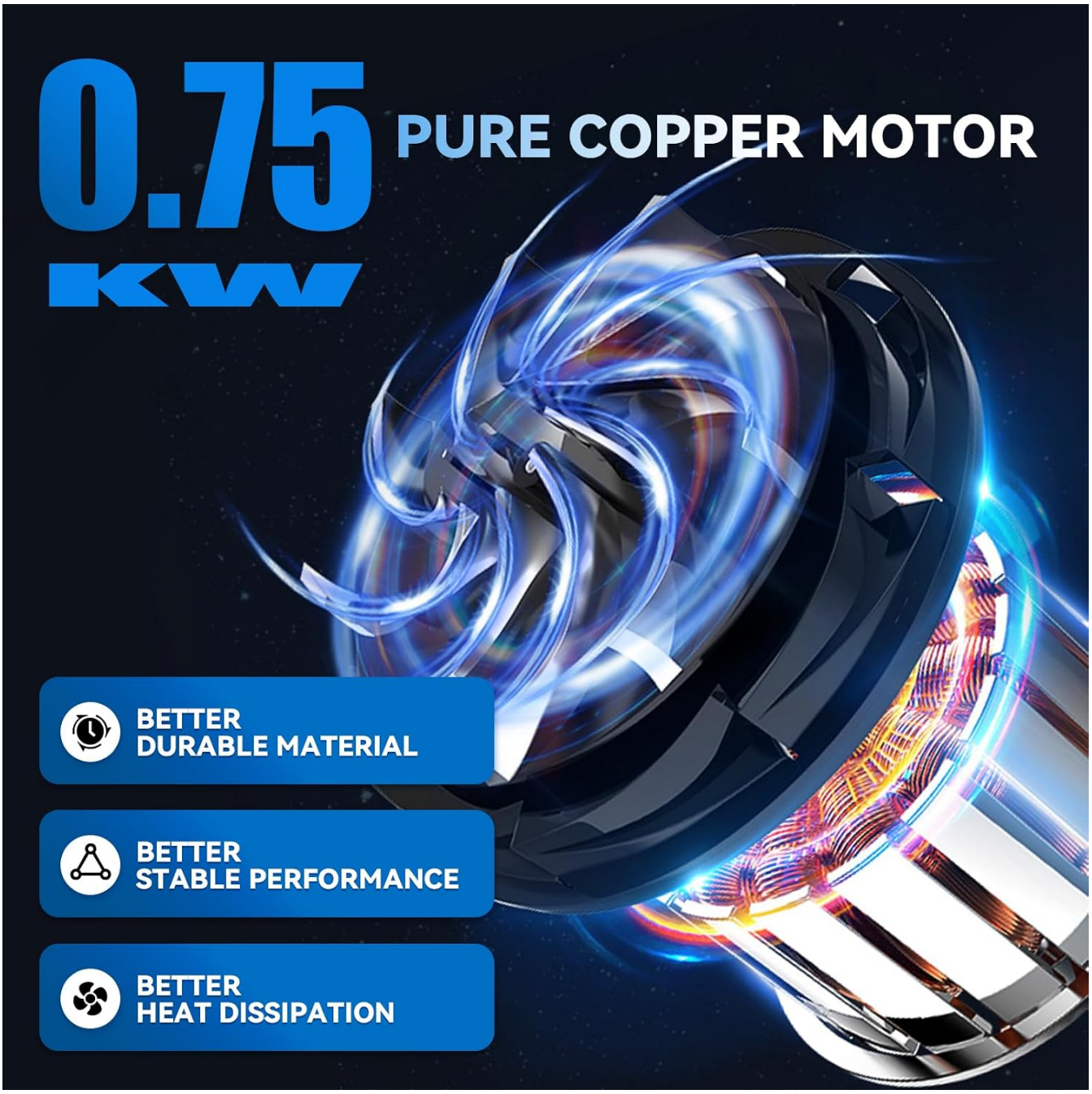
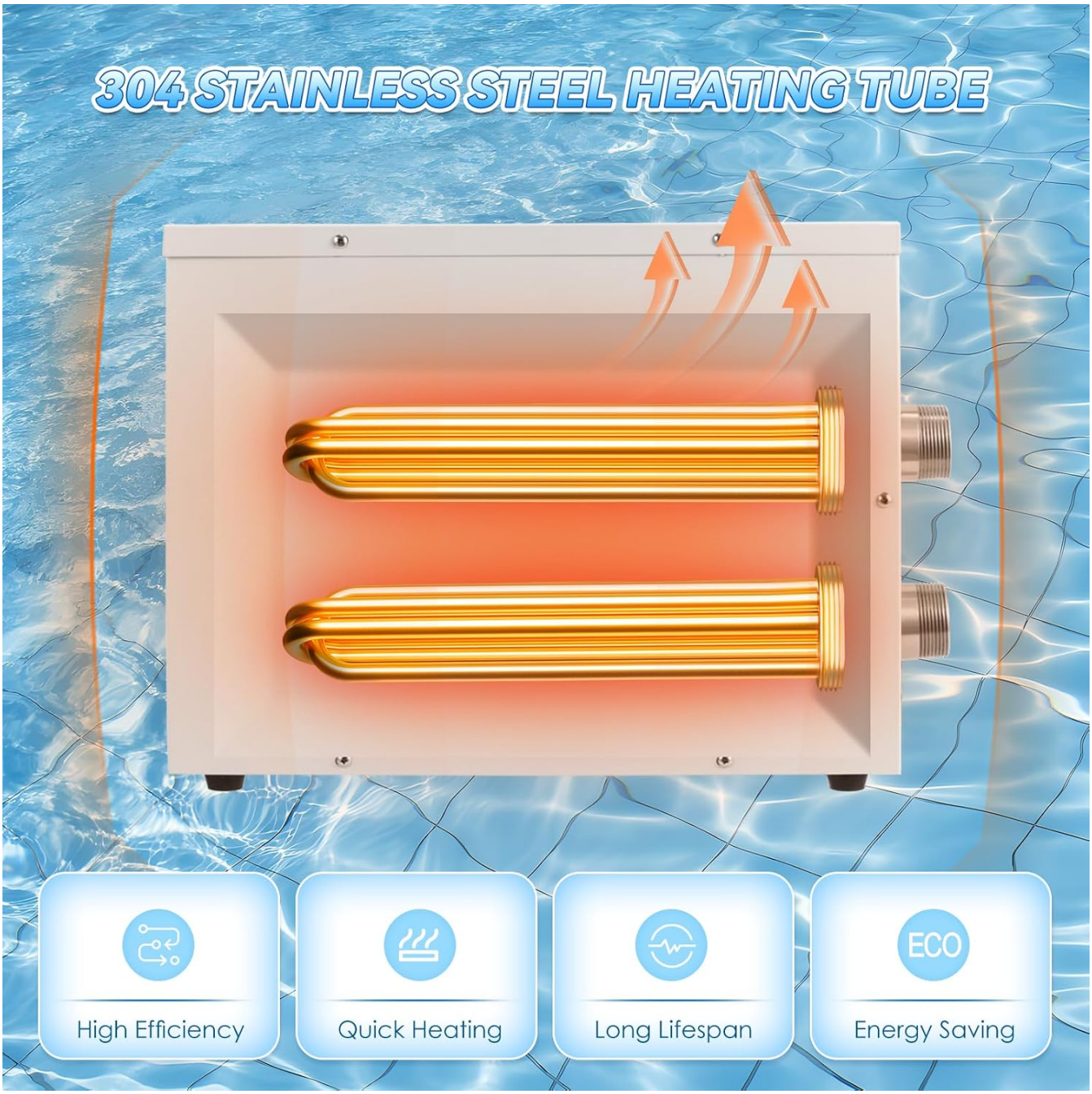


Illustration of the 0.75KW pure copper motor within the SPA pump, highlighting its durability, stable performance, and efficient heat dissipation.



View of the 304 stainless steel heating tubes inside the pool heater, emphasizing high efficiency, quick heating, long lifespan, and energy saving.

Setup and Installation

Pre-Installation Checklist

- Verify that all components listed in the packaging are present and undamaged.
- Ensure there is adequate space and ventilation around the installation area for both the heater and pump.
- Confirm that your electrical supply meets the voltage and amperage requirements for both units.
- Have all necessary plumbing tools and materials, including SCH 40 1.5-inch PVC pipes.

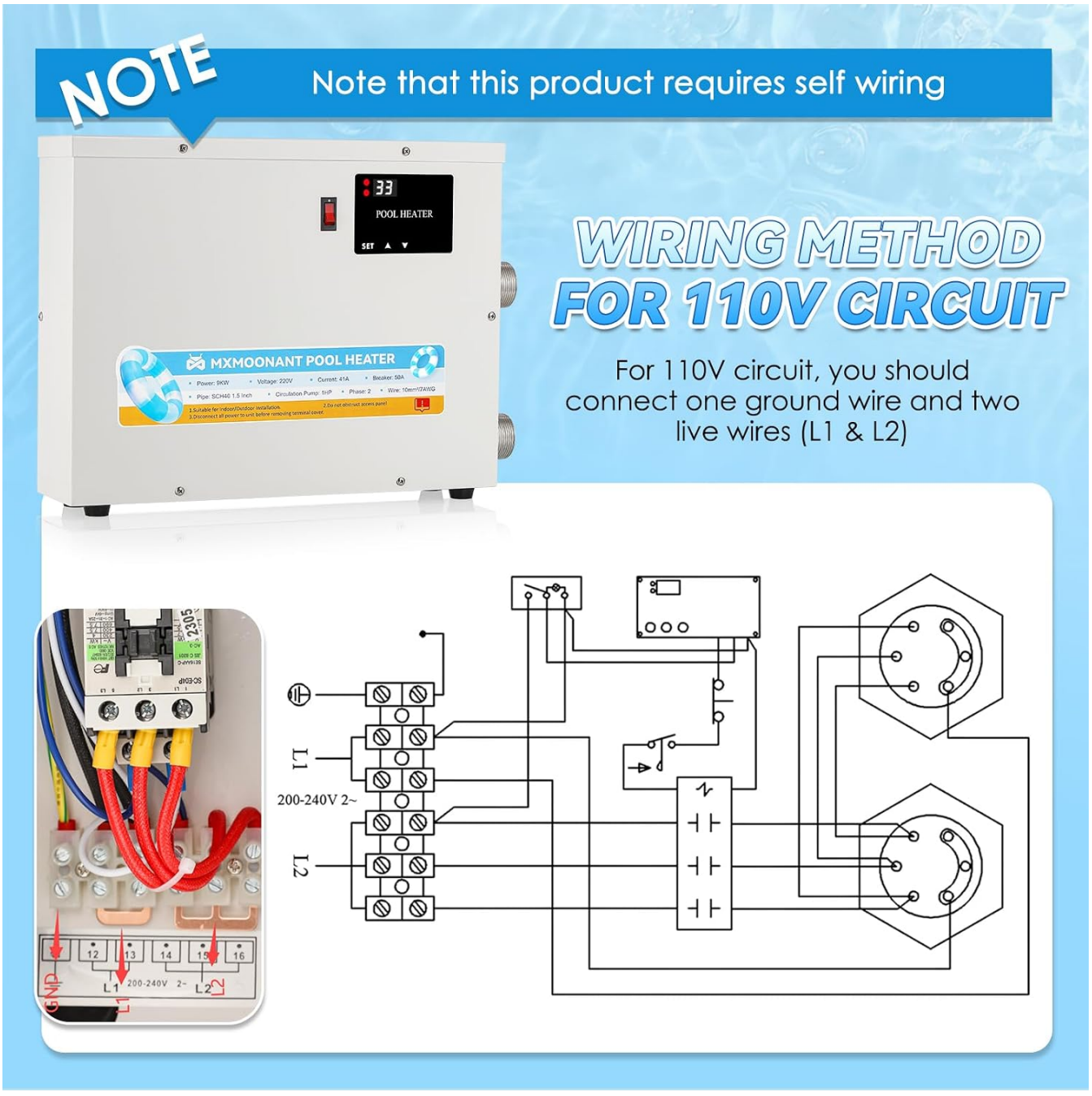
Installation Steps

Heater Installation

1. Position the heater on a stable, level surface, ensuring it is easily accessible for maintenance.
2. Connect the heater to your pool or spa's plumbing system using 1.5-inch PVC pipe connectors. Ensure all

connections are sealed to prevent leaks.

3. For electrical wiring, note that the heater is designed for 220V operation. Refer to the wiring diagram for proper connection. This product requires self-wiring.



Wiring diagram for the 110V circuit, showing connections for one ground wire and two live wires (L1 & L2). This diagram is for reference; ensure your specific model's voltage requirements are met.

Pump Installation

1. Place the SPA pump in a dry, well-ventilated area, close to the pool/spa and electrical outlet.
2. Connect the pump to the plumbing system using appropriate 1.5-inch fittings. Ensure all connections are tight and leak-free.
3. Connect the pump to a dedicated 110V electrical outlet.
4. Prime the pump by filling it with water before initial operation to prevent dry running.

Operation

Powering On

Before powering on the system, ensure that all plumbing connections are secure and the pool/spa is filled with water to the appropriate level. Turn on the main power supply to the heater and pump.

Temperature Control

The pool heater features a user-friendly touchscreen display. Use the 'SET' button and arrow keys to adjust the desired water temperature. The heater will automatically maintain the set temperature through circulation.

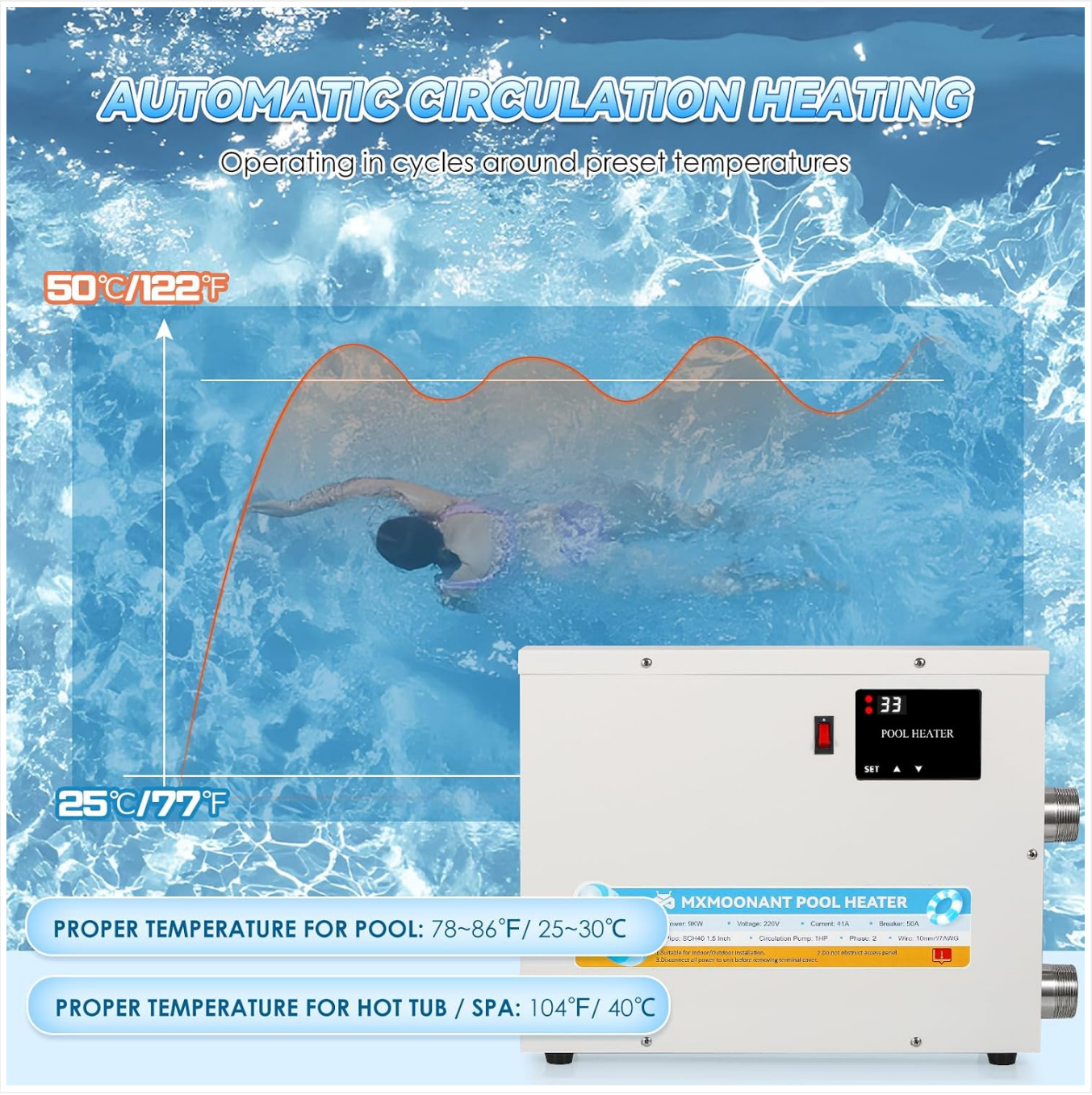


Diagram illustrating the automatic circulation heating process, showing temperature cycles between 25°C/77°F and 50°C/122°F. Recommended temperatures: 78-86°F for pools, 104°F for hot tubs/spas.

Pump Operation

The 1HP pump is designed to efficiently circulate water through the heater and filtration system. Ensure the pump is running whenever the heater is active to prevent overheating and ensure proper water flow.

Maintenance

Regular Cleaning

- Periodically inspect and clean the pump's impeller and filter basket to remove any debris that may impede water flow.
- Keep the heater's exterior clean and free from dust and obstructions to ensure proper ventilation.

Winterization

For regions experiencing freezing temperatures, it is crucial to properly winterize your system:

- Completely drain all water from the heater and pump to prevent damage from freezing.
- Disconnect the power supply.
- Store the pump in a dry, protected area if possible.

Troubleshooting

Common Issues and Solutions

Problem	Possible Cause	Solution
Heater not turning on	No power supply; tripped circuit breaker	Check electrical connections and reset the circuit breaker. Ensure proper voltage.
Water not heating sufficiently	Low water flow; incorrect temperature setting; heater size inadequate for volume	Verify pump operation and clean filters. Adjust temperature setting. Ensure pool/spa volume is within recommended limits (approx. 1000 gallons).
Pump not circulating water	Clogged impeller; air lock; motor issue	Disconnect power, inspect and clear any debris from the impeller. Prime the pump. If issues persist, contact support.
Water leakage	Loose plumbing connections; damaged seals	Inspect all pipe connections and tighten as necessary. Check for damaged O-rings or seals and replace if needed.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact customer support.

Specifications

Pool Heater (9KW)

- **Power:** 9KW
- **Voltage:** 220V
- **Current:** 41A
- **Breaker Requirement:** 50A
- **Phase:** 2
- **Recommended Wire Size:** 10mm² / 7AWG
- **Pipe Connection:** SCH40 1.5 inch

SPA Pump (1HP)

- **Power:** 1HP

- **Voltage:** 110V
- **Max Flow Rate (Qmax):** 92.5 GPM
- **Max Rising Height (Hmax):** 39.3 FT
- **Current:** 7.0A
- **Fitting Size:** 48.5mm
- **Medium Temperature Range:** 41-122°F (5-50°C)
- **Max. Working Pressure:** 0.3MPa
- **Gross Weight:** 6KG / 13.22 Pounds
- **Package Size:** 365mm x 170mm x 270mm



Table detailing product specifications for the SPA pump, including flow rate, voltage, power, and physical dimensions.

Warranty and Support

Warranty Information

This product comes with a standard manufacturer's warranty. Please refer to the warranty card or documentation included in your package for specific terms, conditions, and duration of the warranty.

Customer Support

For technical assistance, troubleshooting, or to inquire about warranty claims, please contact Mxmoonant customer support. You can typically find contact information on the product packaging, the official Mxmoonant website, or through your purchase platform.

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.

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