

Raypak E3T

Raypak E3T Electric Pool and Spa Heater Instruction Manual

Model: E3T (0011-11kW 017122)

1. INTRODUCTION AND OVERVIEW

This manual provides detailed instructions for the safe and efficient installation, operation, and maintenance of your Raypak E3T Electric Pool and Spa Heater. The Raypak E3T (Model 0011-11kW 017122) is an 11 kW, 240V, 37,534 BTU electric spa heater designed for optimal performance in various water conditions, including salt water pools. It features titanium heating elements and 316L stainless steel construction for durability.

2. PRODUCT FEATURES

- Titanium heating element for enhanced durability and corrosion resistance.
- Solid state controls for quiet and reliable operation.
- Compact design for flexible installation.
- Digital display for easy temperature adjustment and monitoring.

3. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your Raypak E3T heater. It is recommended that installation be performed by a qualified professional.

3.1. General Placement

Ensure the heater is placed on a stable, level surface. The unit is designed to be wall-mountable for convenience.



Image: The Raypak E3T Electric Pool and Spa Heater features a compact design with a digital control panel on the front. It includes threaded inlet and outlet ports for water circulation.

3.2. Plumbing Connections

The heater is equipped with 1.5-inch PVC connectors. Use SCH40 1.5-inch PVC pipe for plumbing installation. A circulation pump with a power of at least 1 horsepower (HP) is required to ensure adequate water flow. Insufficient water flow can lead to improper heating and potential damage.

Video: This video demonstrates the plumbing and electrical installation steps for a pool heater, including connecting PVC pipes and wiring to a circuit breaker. It also shows initial operation and temperature setting.

3.3. Electrical Connections

The Raypak E3T heater operates on 240V and requires a dedicated 20-amp double-pole breaker. Ensure all wiring complies with local electrical standards and is properly grounded to guarantee safe operation. It is crucial to have this unit hardwired by a qualified electrician.



Video: This video illustrates how to operate the digital control panel of the pool heater, including adjusting temperature settings and understanding indicator lights for heating and water flow.

4. OPERATING INSTRUCTIONS

The heater features a user-friendly digital control panel for easy temperature management.

4.1. Digital Control Panel

The digital display shows the current water temperature and allows you to set your desired temperature. Use the up and down arrows to adjust the temperature. The panel also includes indicators for water flow and heating status.

4.2. Indicator Lights

- **Water Flow Indicator:** Illuminates when sufficient water flow is detected, indicating normal operation.
- **Heating Indicator:** Illuminates when the heater is actively heating the water.

For proper operation, ensure both the water flow and heating indicators are active. The heater will not operate without adequate water circulation.



Video: This video provides useful tips for optimizing the performance of the pool heater, focusing on water flow rates and proper pump usage to ensure efficient heating.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your heater.

- Keep the area around the heater clear of debris, leaves, and other obstructions to ensure proper airflow.
- Periodically inspect all plumbing and electrical connections for any signs of wear or damage.
- Ensure your pool's filtration system is clean and operating correctly to maintain optimal water flow through the heater.

6. TROUBLESHOOTING

6.1. Heater Not Heating / Error Codes

If the heater is not heating or displays an error code (e.g., E03), the most common cause is insufficient water flow. The heater is designed with safety mechanisms that prevent it from operating if the water pump/filter is not running or if the flow rate is too low. Always ensure your pool's circulation pump is active when the heater is in use.

- Check that the circulation pump is turned on and functioning correctly.
- Inspect the pool filter for cleanliness and ensure it is not clogged.
- Verify that all valves in the plumbing system are open and allowing proper water flow to the heater.

If the issue persists after checking these points, consult a qualified technician.

7. SPECIFICATIONS

| Attribute | Value |
|-----------------------|--------------------------|
| Model | E3T (0011-11kW 017122) |
| Power Output | 11 kW |
| Voltage | 240V |
| BTU Output | 37,534 BTU |
| Heating Elements | Titanium |
| Construction Material | 316L Stainless Steel |
| Product Dimensions | 18.8 x 13.8 x 7.1 inches |
| Manufacturer | Raypak |

8. WARRANTY AND SUPPORT

Specific warranty details are not available in the provided product data. Please refer to the product packaging or contact Raypak customer support directly for comprehensive warranty information and technical assistance. For further support, visit the [Raypak Store on Amazon](#).