

## ProTech RXBH-1724A10J

# Protech RXBH-1724A10J 10kW Heater Kit User Manual

### 1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Protech RXBH-1724A10J 10kW Heater Kit. Please read these instructions thoroughly before attempting any installation or operation. Retain this manual for future reference.

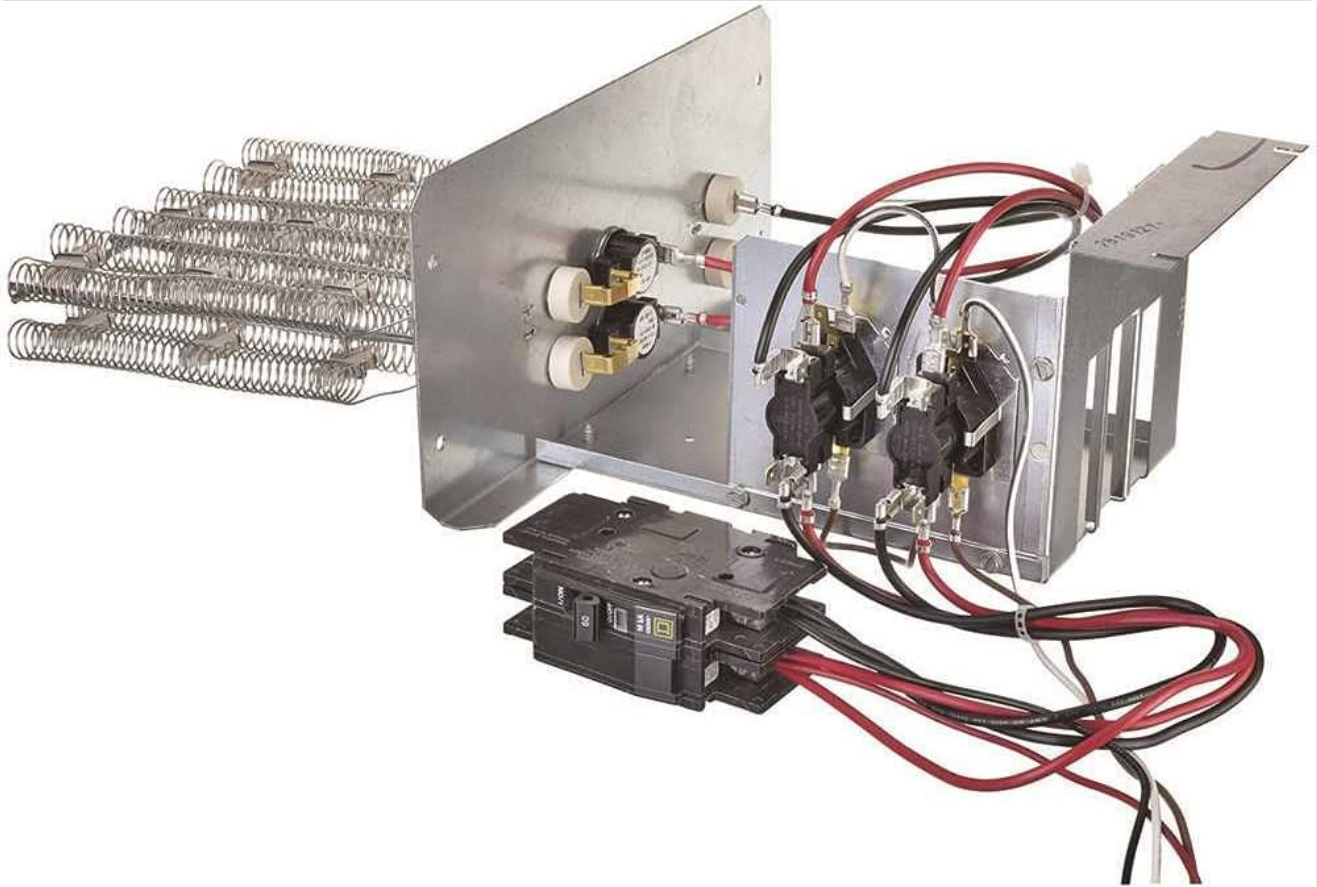
### 2. SAFETY INFORMATION

**WARNING: Risk of Electric Shock and Fire. This unit operates at high voltage (208-230V). Installation and servicing must be performed by a qualified, licensed HVAC professional or electrician. Failure to follow these instructions can result in serious injury, death, or property damage.**

- Always disconnect power at the main service panel before installing or servicing this heater kit.
- Ensure all wiring complies with local and national electrical codes.
- Do not operate the unit if any components are damaged.
- Keep flammable materials away from the heater.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### 3. PRODUCT OVERVIEW

The Protech RXBH-1724A10J is a 10kW electric heater kit designed for supplemental heating in HVAC systems. It is a single-phase product operating at 208-230 volts, providing 10,000 watts of heat output. The kit includes the heating elements, control components, and a breaker for integration into your system.



**Figure 1:** Overview of the Protech RXBH-1724A10J 10kW Heater Kit. This image displays the main components: the coiled heating elements on the left, the metal housing containing electrical connections and relays in the center, and a circuit breaker with associated wiring at the bottom. The wiring consists of red, black, and white insulated wires connecting various parts of the unit.

### Key Features:

- **Power Output:** 10 Kilowatts (10,000 watts)
- **Voltage:** 208-230 Volts
- **Phase:** Single phase
- **Installation:** Designed for easy integration and replacement

## 4. SETUP AND INSTALLATION

Installation of the Protech RXBH-1724A10J 10kW Heater Kit requires electrical and HVAC expertise. It is strongly recommended that installation be performed by a certified professional to ensure safety and proper functionality.

### Installation Steps (Professional Installation Recommended):

1. **Power Disconnection:** Ensure all power to the HVAC system and the installation area is completely disconnected at the main circuit breaker. Verify with a voltage tester.
2. **Mounting:** Securely mount the heater kit within the designated section of your HVAC system. Refer to your HVAC unit's specific instructions for heater kit integration points. The unit is designed for wall mounting.
3. **Electrical Connections:** Connect the heater kit to the appropriate power supply (208-230V, single phase) according to the wiring diagram provided with your HVAC system and local electrical codes. Ensure all connections are tight and secure. The kit includes a breaker for integration.
4. **System Integration:** Integrate the heater kit's control wiring with your thermostat and HVAC control board as per the system's specifications.
5. **Verification:** Double-check all connections and mounting before restoring power.

6. **Power Restoration:** Carefully restore power and test the unit's operation.

## 5. OPERATION

Once properly installed, the Protech RXBH-1724A10J 10kW Heater Kit operates in conjunction with your HVAC system's thermostat. When the thermostat calls for heat and the primary heating source (if applicable) is insufficient or inactive, the electric heater kit will engage to provide supplemental heat.

- Set your thermostat to the desired temperature and heating mode.
- The heater kit will activate automatically when additional heat is required to reach the set point.
- Monitor the system for proper heat output and ensure no unusual noises or odors are present during initial operation.

*Note: Some units may experience a "break-in period" during initial use, where the unit might cycle off randomly before stabilizing. If this occurs, resetting the breaker or thermostat may be necessary. If issues persist, consult a professional.*

## 6. MAINTENANCE

Regular maintenance helps ensure the longevity and efficient operation of your heater kit. Always disconnect power before performing any maintenance.

- **Annual Inspection:** Have a qualified HVAC technician inspect the heater kit annually, preferably before the heating season.
- **Dust and Debris Removal:** Ensure the area around the heater kit is free from dust, lint, and other debris that could obstruct airflow or pose a fire hazard.
- **Electrical Connections:** During professional inspections, ensure all electrical connections remain tight and free from corrosion.
- **Heating Elements:** Inspect heating elements for any signs of damage or excessive wear. Replacement should only be done by a qualified technician.

## 7. TROUBLESHOOTING

Before attempting any troubleshooting, ensure power is disconnected. For complex issues, contact a qualified professional.

Problem	Possible Cause	Solution
Heater not producing heat	No power, tripped breaker, faulty thermostat, damaged element.	Check main power supply and circuit breaker. Verify thermostat settings. Consult a professional for element inspection.
Intermittent heating	Loose wiring, control board issue, "break-in period" cycling.	Ensure all connections are secure. If during initial use, try resetting power. If persistent, contact a professional.
Unusual noises or odors	Debris on elements, faulty component, electrical issue.	Immediately disconnect power. Inspect for debris. Do not operate until inspected by a professional.

## 8. SPECIFICATIONS

Attribute	Detail
Brand	ProTech
Model Number	RXBH-1724A10J
Part Number	RXBH-1724A10J
Wattage	10000 watts (10 kW)
Voltage	208-230 Volts
Heat Output	10 Kilowatts
Mounting Type	Wall
Product Dimensions	11.6 x 5.9 x 22.4 inches
Item Weight	5.8 pounds
Included Components	Heater Kit - 10kW 208-230/1/60 (Breaker)
UPC	662766430981

## 9. WARRANTY AND SUPPORT



The Protech RXBH-1724A10J 10kW Heater Kit carries a one-year limited warranty from the date of purchase, unless otherwise noted. This warranty covers defects in materials and workmanship under normal use. For warranty claims, technical support, or to locate authorized service providers, please contact ProTech customer service. Keep your proof of purchase for warranty validation.




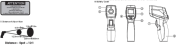
**Manufacturer:** Protech  
**Brand Store:** [Visit the ProTech Store on Amazon](#)



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### Related Documents - RXBH-1724A10J

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