

Goodman HKR-10

Goodman HKR-10 10 kW Electric Heat Kit Instruction Manual

Model: HKR-10

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the Goodman HKR-10 Electric Heat Kit. The HKR-10 is a 10 kW, 208/240 V, 1 Phase electric heat kit designed for use with compatible Goodman air handlers and packaged units to provide supplemental heating.

2. SAFETY INFORMATION

WARNING: Electrical Shock Hazard

- Always disconnect power to the unit before installing, servicing, or performing maintenance. Failure to do so can result in severe personal injury or death.
- Installation and servicing of this electric heat kit must be performed by a qualified, licensed HVAC technician or electrician.
- Ensure all wiring complies with national and local electrical codes.
- Do not operate the unit with damaged wiring or components.

CAUTION: Burn Hazard

- Heating elements can become extremely hot during operation. Allow sufficient time for components to cool before handling.

3. PACKAGE CONTENTS

The Goodman HKR-10 Electric Heat Kit package typically includes:

- Goodman HKR-10 Electric Heat Kit (10 kW, 208/240V, 1 Phase)
- Installation Instructions (this manual)

4. SETUP AND INSTALLATION

The Goodman HKR-10 Electric Heat Kit is designed for integration into compatible Goodman air handlers or packaged HVAC units. Due to the electrical nature and complexity of HVAC systems, professional installation by a certified technician is strongly recommended.

4.1 Installation Overview

The heat kit typically mounts inside the air handler unit, providing supplemental electric resistance heating. Proper electrical connections and airflow management are critical for safe and efficient operation.

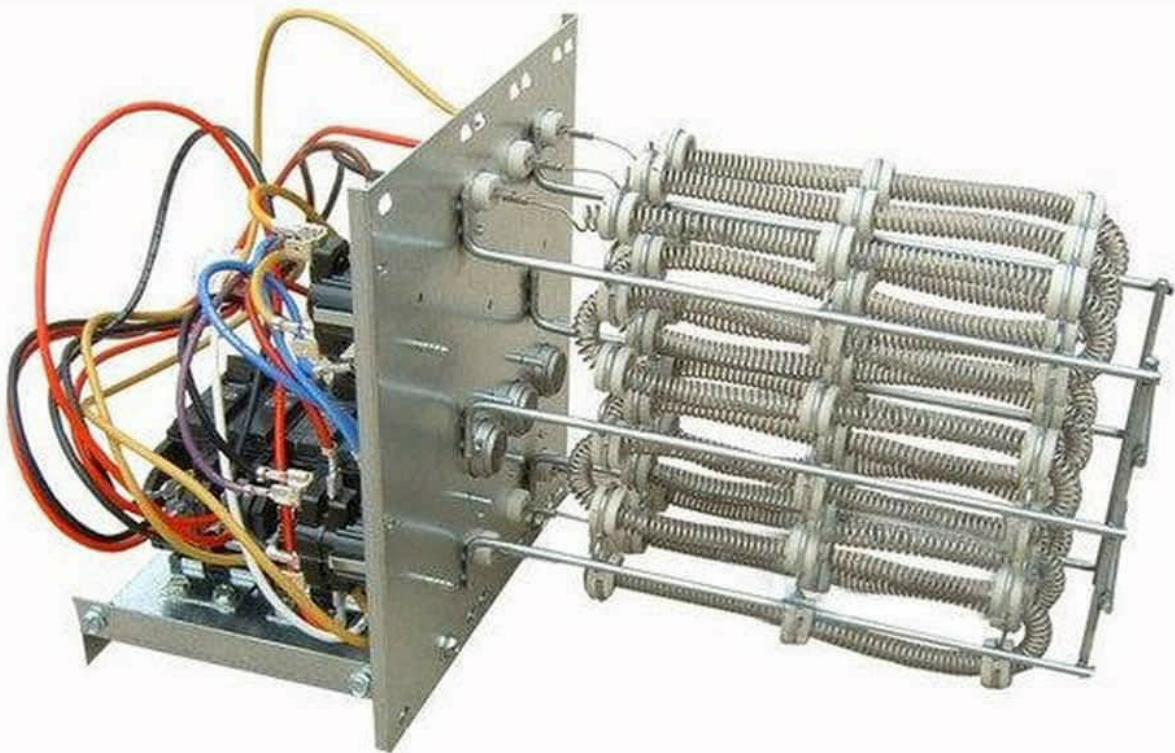


Image 1: Goodman HKR-10 Electric Heat Kit. This image shows the heating elements and electrical connections of the HKR-10 unit.

4.2 Integration with Air Handler

The HKR-10 is installed within the designated compartment of a compatible air handler. This ensures that air flowing through the system passes over the heating elements, distributing warm air throughout the conditioned space.



Image 2: Example of an indoor air handler unit. The HKR-10 electric heat kit would be installed inside a unit similar to this, typically in the lower section where air is heated before distribution.

4.3 System Context

The electric heat kit works in conjunction with other HVAC components, such as an outdoor condenser unit, to provide a complete heating and cooling solution.



Image 3: Example of an outdoor condenser unit, part of a complete HVAC system that the HKR-10 electric heat kit integrates with.

5. OPERATING INSTRUCTIONS

The Goodman HKR-10 Electric Heat Kit operates automatically as part of your HVAC system, controlled by your thermostat. When the thermostat calls for heat and the primary heating source (e.g., heat pump) cannot meet the demand, or during defrost cycles, the electric heat kit will activate to provide supplemental heating.

- Ensure your thermostat is set to the desired heating temperature.
- The heat kit will engage as needed to maintain the set temperature.
- Refer to your air handler or packaged unit's manual for specific operational details and thermostat settings.

6. MAINTENANCE

Regular maintenance of your entire HVAC system, including the electric heat kit, is crucial for optimal performance and longevity. Always ensure power is disconnected before performing any maintenance.

- **Annual Inspection:** Have a qualified technician inspect the electric heat kit annually. This includes checking

electrical connections, heating elements, and safety controls.

- **Air Filter Replacement:** Ensure the air filter in your air handler is replaced regularly according to the manufacturer's recommendations. A clean filter ensures proper airflow over the heating elements, preventing overheating and maintaining efficiency.
- **Clear Airflow:** Ensure that the air handler and all vents are free from obstructions to allow for proper air circulation.

7. TROUBLESHOOTING

If your electric heat kit is not functioning as expected, consider the following basic troubleshooting steps. For complex issues, contact a qualified HVAC technician.

- **No Heat:**
 - Check the thermostat setting to ensure it is calling for heat.
 - Verify that the circuit breaker for the HVAC system and the electric heat kit is not tripped.
 - Ensure the air handler unit has power.
- **Insufficient Heat:**
 - Check the air filter for cleanliness; a dirty filter can restrict airflow.
 - Ensure all supply and return air vents are open and unobstructed.
- **Unusual Odors:**
 - A slight burning odor may occur during the first few uses as dust burns off the heating elements. If the odor persists or is strong, disconnect power and contact a technician.

8. SPECIFICATIONS

Specification	Detail
Model Number	HKR-10
Heating Capacity	10 kW
Voltage	208/240 V
Phase	1 Phase
Manufacturer	Goodman
Item Weight	15 Pounds
ASIN	B07N4CND3T
Date First Available	January 25, 2019

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Goodman offers enhanced warranty coverage for registered units. Register your new Goodman unit to potentially

receive:

- A 10-year unit replacement limited warranty.
- A lifetime compressor limited warranty (if applicable to the integrated system).
- A 10-year parts limited warranty, covering replacement parts for defects in workmanship or materials under normal use and maintenance.

Please refer to the official Goodman website or your product registration documentation for complete warranty terms and conditions.

9.2 Customer Support

For technical assistance, warranty claims, or to locate a certified service technician, please contact Goodman customer support or visit their official website.

Goodman Manufacturing Company, L.P.

Website: www.goodmanmfg.com

(Contact information may vary by region; please check the website for the most current details.)

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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.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question