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› Goodman HKA-20C 20Kw Electric Heat Kit for Air Handler - Instruction Manual

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Instruction Manual

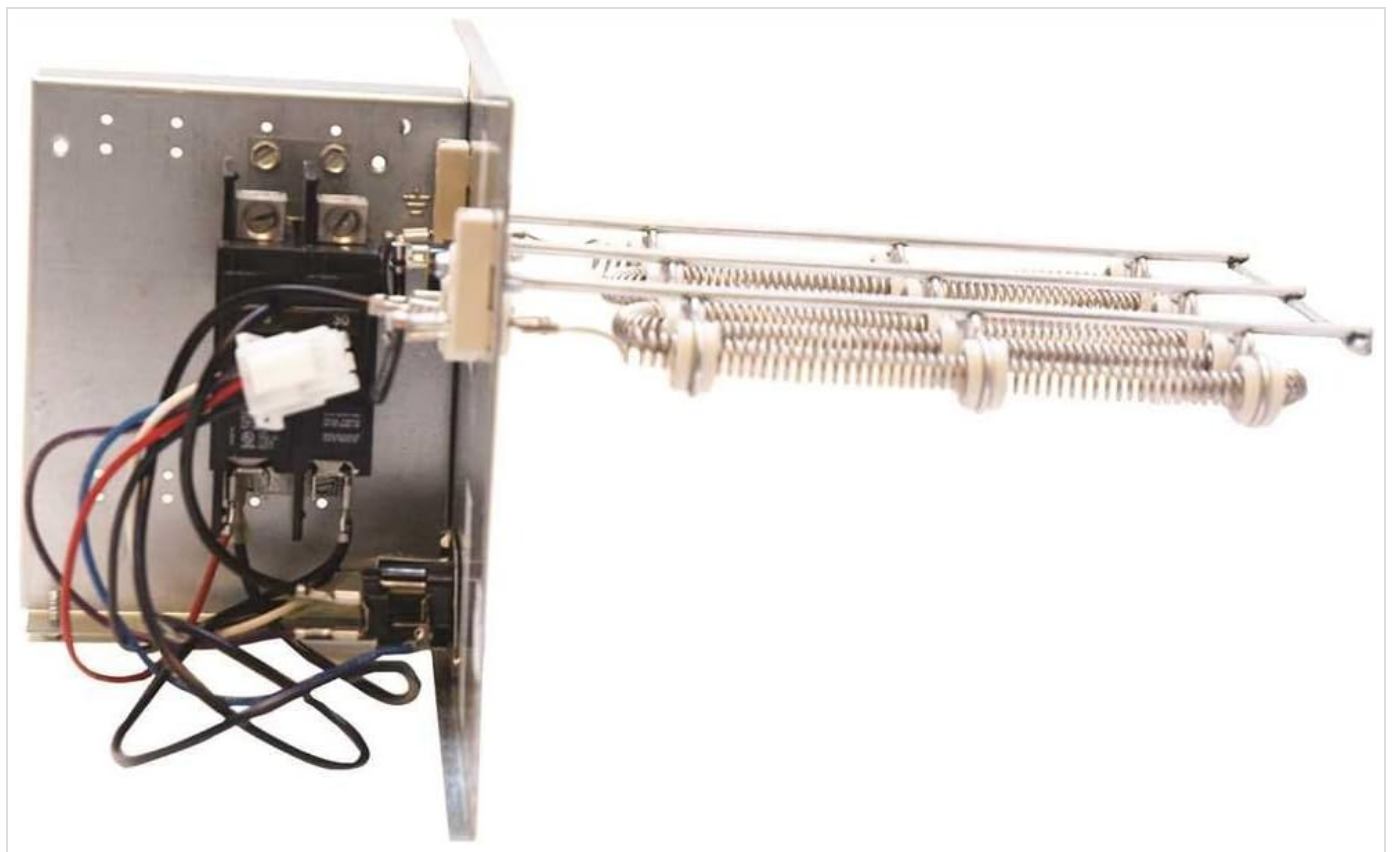
INTRODUCTION

The Goodman HKA-20C is a 20Kw electric heat kit designed for use with air handlers. It provides supplemental heat, working in conjunction with your HVAC system to maintain desired indoor temperatures. This kit features sequencers for precise temperature control, multiple branch circuit capability, and factory-installed circuit breakers on specific models. Its control circuitry is fully assembled and tested, and it includes a fuse link secondary high-temperature limit control and a plug-in wiring harness for simplified installation into an air handler. The rust-resistant nickel chromium heat elements ensure durability and efficient heating.

PRODUCT FEATURES

- 20Kw electric heat kit for air handler
- Model: HKA-20C
- Manufactured in the United States
- Sequencers for better temperature control
- Multiple branch circuit capability
- Completely assembled and tested control circuitry
- Arranged to readily permit staging
- Factory-installed circuit breakers available on specific models
- Fuse link secondary high-temperature limit control
- Plug-in wiring harness for ease of installation into air handler
- Rust-resistant nickel chromium heat elements

COMPONENTS OVERVIEW



The image displays the Goodman HKA-20C Electric Heat Kit, showcasing its internal components. Visible are the robust nickel chromium heat elements, designed for efficient heat generation, mounted on a metal plate. The kit also includes pre-wired electrical components such as sequencers, circuit breakers, and a fuse link secondary high-temperature limit control, all arranged for integration into an air handler. The wiring harness is designed for plug-in installation.

SETUP

Installation of the Goodman HKA-20C Electric Heat Kit should only be performed by a qualified HVAC technician. Ensure all power to the air handler unit is disconnected before beginning installation. The kit is designed for plug-in integration into compatible Goodman air handlers. Refer to the specific air handler's manual for detailed wiring diagrams and installation procedures. Proper grounding and adherence to all local electrical codes are mandatory.

Safety Precaution: Always disconnect power at the main electrical panel before attempting any installation or maintenance.

OPERATING INSTRUCTIONS

Once installed and connected to a compatible air handler, the electric heat kit operates automatically in response to your thermostat settings. When the thermostat calls for heat, the kit's heating elements will activate, providing supplemental warmth to the air circulated by the air handler's blower. The sequencers ensure controlled activation of the heating elements for efficient temperature management.

Ensure your thermostat is set to 'Heat' mode and the desired temperature is higher than the current room temperature for the heat kit to engage.

MAINTENANCE

Regular maintenance is crucial for the longevity and efficient operation of your electric heat kit and air handler system. It is recommended to have the system inspected annually by a qualified technician. Key maintenance aspects include:

- **Filter Replacement:** Regularly check and replace the air filter in your air handler as per the manufacturer's recommendations. A clean filter ensures optimal airflow and prevents strain on the system.
- **Electrical Connections:** A technician should inspect all electrical connections for tightness and signs of wear.

- **Heating Elements:** Ensure heating elements are free from obstructions and corrosion.
- **Blower Motor:** The air handler's blower motor should be checked for proper operation and lubrication if required.

TROUBLESHOOTING

If your Goodman HKA-20C Electric Heat Kit is not functioning as expected, consider the following general troubleshooting steps before contacting a professional:

- **No Heat:** Check the thermostat settings to ensure it is set to 'Heat' mode and the desired temperature is above the current room temperature. Verify that the circuit breaker for the air handler and heat kit has not tripped.
- **Insufficient Heat:** Ensure the air filter is clean and not obstructed. Check for any blockages in the air ducts.
- **Unusual Noises or Odors:** Immediately turn off the system and contact a qualified technician.

Always consult a qualified HVAC technician for any complex issues or repairs involving electrical components.

SPECIFICATIONS

Specification	Value
Product Dimensions	9.3 x 8.5 x 15.7 inches
Item Weight	7.85 pounds
Manufacturer	Goodman
ASIN	B00PM8SQH4
Item Model Number	HKA-20C
Assembly Required	No
Batteries Required	No

IMPORTANT SAFETY INFORMATION

Proposition 65 Warning: This product may expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

WARRANTY INFORMATION

For detailed warranty information regarding your Goodman HKA-20C Electric Heat Kit, please refer to the documentation included with your product or visit the official Goodman website. Warranty terms and conditions may vary.

CUSTOMER SUPPORT

For technical assistance, service, or to locate an authorized dealer, please visit the official Goodman website or contact their customer support. You can also visit the [Goodman Store on Amazon](#) for more product information.

RELATED INFORMATION: ALL YOU NEED TO KNOW ABOUT AIR HANDLERS

This video provides a comprehensive overview of air handlers, explaining their function, components, and different types. It covers how air handlers regulate indoor air circulation and temperature, the role of components like blower motors, evaporator coils, and filters, and distinguishes between multi-positional, wall-mounted, and ceiling-mounted air handlers. While not specific to the heat

kit, it offers valuable context for the system this heat kit integrates with.

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