

## HANTECH caf146bf-f525-4676-992f-d91caaf54b50

# Hantech 9000 BTU 2.6 kW Portable Air Conditioner User Manual

Model: caf146bf-f525-4676-992f-d91caaf54b50 (HTW09)

Brand: HANTECH

## 1. INTRODUCTION

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Thank you for choosing the Hantech 9000 BTU 2.6 kW Portable Air Conditioner. This 3-in-1 appliance is designed to provide cooling, dehumidification, and ventilation for your indoor spaces. Its compact and modern design allows it to fit seamlessly into various environments, while its lightweight construction and integrated carrying handles ensure easy installation and transport.

This manual provides important information regarding the installation, operation, and maintenance of your new portable air conditioner. Please read it thoroughly before use and keep it for future reference.

## 2. SAFETY INFORMATION

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Please read and understand all safety instructions before operating the appliance to prevent injury or damage.

- **Electrical Safety:** Ensure the power supply matches the voltage specified on the rating label. Do not operate the unit with a damaged power cord or plug. Do not share the power outlet with other appliances.
- **Placement:** Place the unit on a flat, stable surface. Maintain a minimum distance of 20 cm (8 inches) from walls and other objects to ensure proper airflow. Do not block air inlets or outlets.
- **Operation:** Do not insert fingers or objects into the air outlet. Do not use the appliance in wet environments or near water. Unplug the unit before cleaning or maintenance.
- **Refrigerant:** This unit uses R290 natural refrigerant. Do not puncture the refrigerant circuit. Only qualified personnel should service the unit.
- **Children and Pets:** Keep children and pets away from the appliance during operation. This appliance is not

intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

- **Transport:** When transporting the unit, ensure it is in an upright position. If it has been tilted, allow it to stand upright for at least 2 hours before plugging it in.

### 3. PACKAGE CONTENTS

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Carefully unpack your portable air conditioner and check that all items are present and in good condition. If any items are missing or damaged, contact your retailer immediately.

- Hantech Portable Air Conditioner Unit
- Remote Control
- Exhaust Hose
- Window Kit (Adapter for hose, window slider kit)
- User Manual



Image 3.1: Contents of the package including the main unit, remote, exhaust hose, and manual.

### 4. PRODUCT OVERVIEW

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Familiarize yourself with the main components of your Hantech Portable Air Conditioner.



Image 4.1: Front view of the Hantech portable air conditioner and its remote control.

- **Control Panel:** Located on the top of the unit, with touch buttons and an LED display for settings and status.
- **Air Outlet:** Front louvers where conditioned air is expelled.
- **Air Inlet (Rear):** Filtered air intake for cooling.
- **Exhaust Air Outlet (Rear):** Connection point for the exhaust hose to expel hot air.
- **Drainage Port:** For continuous drainage or manual draining of condensed water.
- **Casters:** Wheels at the bottom for easy mobility.
- **Remote Control:** For convenient operation from a distance.

## 5. SETUP

### 5.1 Unpacking and Placement

1. Remove all packaging materials and ensure the unit is free from damage.
2. Place the air conditioner on a firm, level surface in the desired room.
3. Ensure there is at least 20 cm (8 inches) of clear space around the unit for proper air circulation.

## 5.2 Exhaust Hose Installation

The exhaust hose is essential for expelling hot air outside the room during cooling and dehumidifying modes.

1. Screw one end of the exhaust hose onto the hose adapter.
2. Insert the hose adapter into the exhaust air outlet on the rear of the air conditioner unit.
3. Extend the other end of the exhaust hose and attach the window kit adapter.
4. Open a window or sliding door and install the window slider kit. Ensure the opening is sealed as much as possible around the hose to prevent hot air from re-entering the room.
5. Ensure the exhaust hose is as short and straight as possible to maximize efficiency. Avoid sharp bends or kinks.

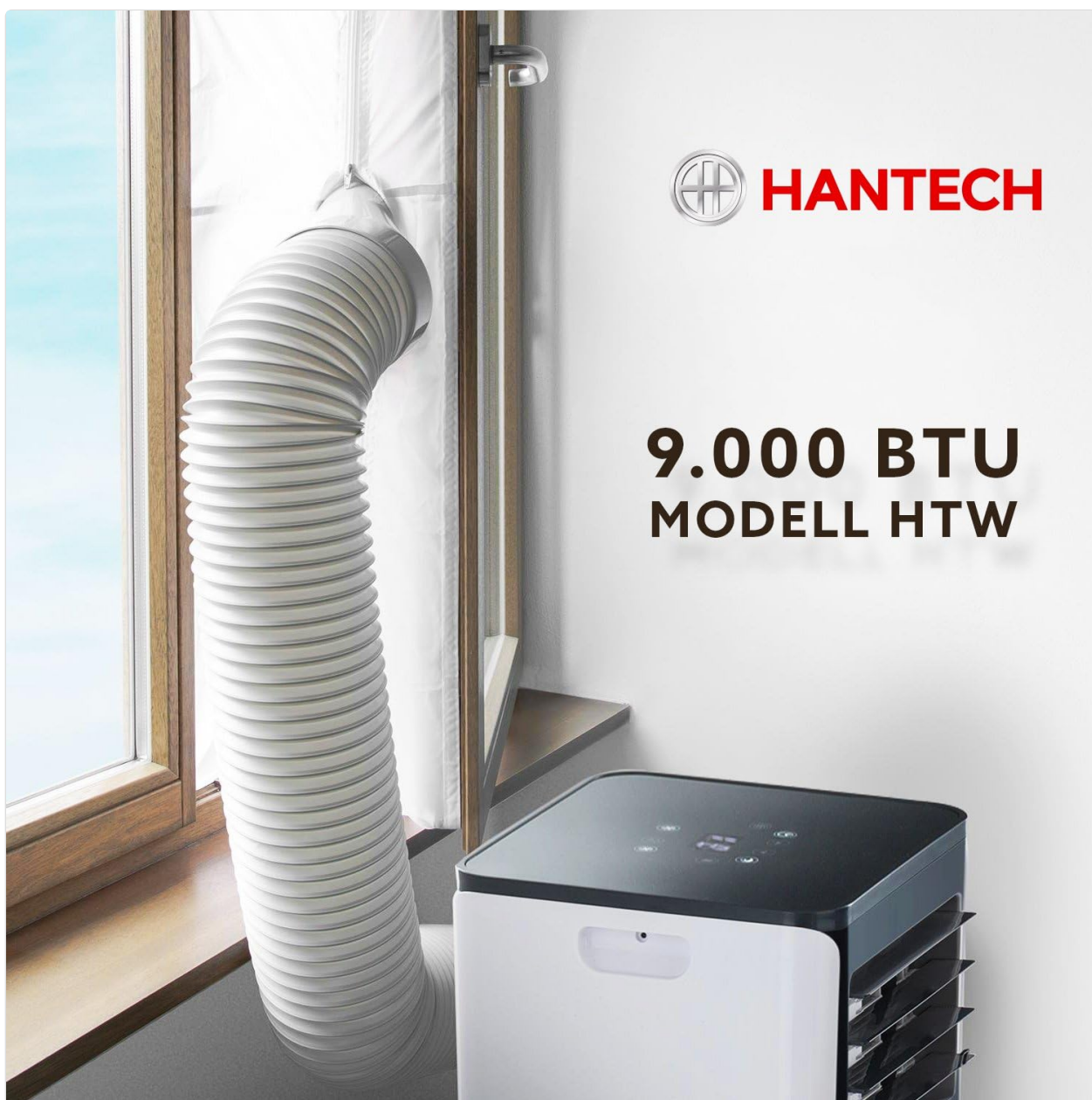


Image 5.1: Proper installation of the exhaust hose through a window.

## 6. OPERATING INSTRUCTIONS

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## 6.1 Control Panel and Remote Control

The unit can be operated via the control panel on top of the unit or the included remote control. The functions are generally the same.

- **Power Button:** Turns the unit ON/OFF.
- **Mode Button:** Cycles through Cooling, Dehumidifying, and Fan modes.
- **Temperature Up/Down Buttons:** Adjusts the desired temperature in Cooling mode.
- **Fan Speed Button:** Selects fan speed (Low, Medium, High).
- **Timer Button:** Sets the auto ON/OFF timer.
- **Sleep Mode Button (if applicable):** Activates a quieter, energy-saving mode.

## 6.2 Operating Modes

- **Cooling Mode:**  
Press the Mode button until the cooling indicator light is on. Use the temperature up/down buttons to set your desired temperature (typically 16-31°C). The unit will cool the room and expel hot air through the exhaust hose.
- **Dehumidifying Mode:**  
Press the Mode button until the dehumidifying indicator light is on. In this mode, the unit removes excess moisture from the air. The fan speed is typically fixed to low. Continuous drainage is recommended for this mode.
- **Fan Mode:**  
Press the Mode button until the fan indicator light is on. In this mode, the unit circulates air without cooling. You can adjust the fan speed.

## 6.3 Timer Function

The 24-hour timer allows you to set the unit to automatically turn ON or OFF after a specified period. Press the Timer button and use the temperature up/down buttons to set the desired hours (1-24). The timer indicator will light up.

## 6.4 Auto-Restart Function

In the event of a power outage, the air conditioner will automatically restart with the last settings (mode, temperature, fan speed) once power is restored. This ensures continuous comfort without manual intervention.

## 6.5 Condensation Recycling System

During normal cooling operation, the unit's advanced condensation recycling system automatically re-evaporates the collected condensate and expels it with the exhaust air. This significantly reduces the need for frequent manual draining, enhancing user convenience. In high humidity conditions or during extended dehumidifying mode, some water may still accumulate and require draining.

## 6.6 Self-Diagnosis System

The unit is equipped with a self-diagnosis system that continuously monitors its operation for potential malfunctions. If an error is detected, an error code may be displayed on the LED screen. Refer to the Troubleshooting section for common error codes and solutions.

# 7. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the lifespan of your air conditioner. Always

unplug the unit before performing any maintenance.

## 7.1 Cleaning the Air Filter

The air filter should be cleaned every two weeks, or more frequently depending on usage and air quality.

1. Unplug the air conditioner from the power outlet.
2. Locate the air filter panel (usually on the rear or side of the unit) and remove it.
3. Gently remove the air filter.
4. Wash the filter under running water (warm, not hot) or use a vacuum cleaner to remove dust.
5. Allow the filter to air dry completely before reinserting it. Do not expose to direct sunlight.
6. Reinstall the filter and close the panel.

## 7.2 Draining Water

While the unit has a condensation recycling system, manual draining may be necessary if the water tank becomes full (indicated by an error code or reduced cooling performance), especially in high humidity or during dehumidifying mode.

1. Unplug the unit.
2. Place a shallow pan or tray under the drainage port (usually at the bottom rear of the unit).
3. Remove the drain plug/cap.
4. Allow all water to drain completely.
5. Replace the drain plug/cap securely.

## 7.3 Storage

If the unit will not be used for an extended period, follow these steps for storage:

1. Drain all accumulated water from the unit.
2. Clean the air filter.
3. Run the unit in Fan mode for a few hours to dry the internal components.
4. Unplug the power cord and coil it neatly.
5. Store the unit in a cool, dry place, away from direct sunlight and extreme temperatures.

## 8. TROUBLESHOOTING

Before contacting customer support, please refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power, power cord loose, circuit breaker tripped.	Check power connection, try another outlet, reset circuit breaker.
No cooling or insufficient cooling.	Window/door open, exhaust hose not installed correctly, air filter dirty, room too large, temperature setting too high.	Close windows/doors, ensure exhaust hose is sealed, clean air filter, check room size against unit capacity, lower temperature setting.

Problem	Possible Cause	Solution
Unit is noisy.	Unit not on a level surface, air filter dirty, internal components vibrating.	Ensure unit is on a flat surface, clean air filter. If noise persists, contact support.
Water leakage.	Drain plug loose, water tank full (in high humidity/dehumidifying mode).	Ensure drain plug is secure. Drain water manually if tank is full.
Error code displayed.	Specific malfunction detected by self-diagnosis system.	Refer to specific error code in a more detailed manual (if available) or contact customer support with the code.

## 9. SPECIFICATIONS

Technical specifications for the Hantech Portable Air Conditioner.

Parameter	Value
Brand	HANTECH
Model Number	caf146bf-f525-4676-992f-d91caaf54b50 (HTW09)
Cooling Capacity	9000 BTU / 2.6 kW
Power Consumption	990 W
Air Flow Volume	Approx. 380 m <sup>3</sup> /h
Dehumidification Capacity	Approx. 1.0 Liter/24h
Noise Level	55 dB(A)
Refrigerant	R290
Operating Temperature Range	16-31 °C (Cooling) / 5-35 °C (Operating Environment)
Recommended Room Size	Up to approx. 26 m <sup>2</sup> or 62 m <sup>3</sup>
Dimensions (L x W x H)	140 x 32 x 73 cm
Weight	23 kg
Power Source	Corded Electric
Control Method	Remote Control, Control Panel



# HANTECH



<b>Hersteller</b>	<b>HANTECH</b>
<b>Modellbezeichnung</b>	<b>HTW09</b>
<b>Energieeffizienzklasse</b>	<b>A</b>
<b>EER</b>	<b>2,6</b>
<b>Schalleistungspegel</b>	<b>65 db(A)</b>
<b>Kältemittel (GWP)</b>	<b>R410A (2088)</b>
<b>Luftleistung</b>	<b>ca. 380 m<sup>3</sup>/h</b>
<b>Entfeuchtungsleistung</b>	<b>ca. 1,0 Liter/24h</b>
<b>Temperaturbereich</b>	<b>16-31 °C</b>
<b>Arbeitsbereich</b>	<b>5-35 °C</b>
<b>Spannungsaufnahme</b>	<b>990 W</b>
<b>Stromaufnahme</b>	<b>4,4 A</b>
<b>Raumgröße bis</b>	<b>ca. 28 m<sup>2</sup></b>
<b>Gewicht</b>	<b>23 kg</b>
<b>Abluftschlauchlänge</b>	<b>1,4 m</b>

Image 9.1: Detailed technical specifications of the Hantech portable air conditioner.

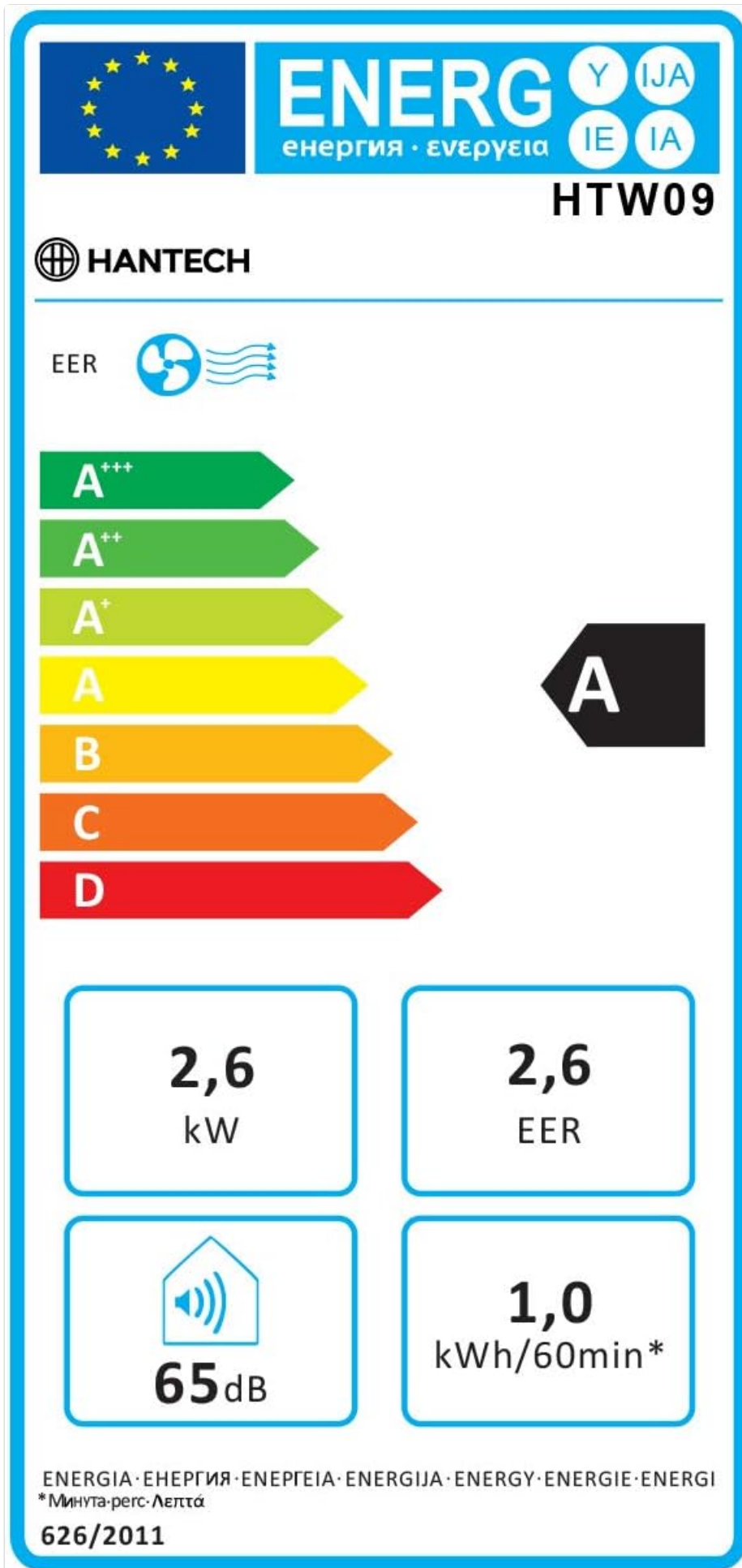


Image 9.2: Energy efficiency label for the Hantech portable air conditioner, indicating an A rating.

## 10. WARRANTY AND SUPPORT

This Hantech product is covered by a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions, including the warranty period and coverage details.

For technical support, troubleshooting assistance beyond what is provided in this manual, or warranty claims, please contact your retailer or the Hantech customer service department. Keep your purchase receipt and model number handy when contacting support.

Contact information for Hantech customer support can typically be found on the product packaging, the official Hantech website, or through your point of purchase.