

[Manuals.plus](#) /

> [WARM TECH](#) /

> Warm Tech 50 KW Gas Heat Cannon Instruction Manual

WARM TECH WTCACG50-BEDU

Warm Tech 50 KW Gas Heat Cannon Instruction Manual

Model: WTCACG50-BEDU

1. INTRODUCTION

Thank you for choosing the Warm Tech 50 KW Gas Heat Cannon. This manual provides essential information for the safe and efficient operation, setup, and maintenance of your new heater. Please read this manual thoroughly before use and retain it for future reference.

This gas heat cannon is designed for heating, drying, and frost protection in well-ventilated spaces. It operates on propane gas and is compliant for use in the Belgian and Dutch markets.



Figure 1: Warm Tech 50 KW Gas Heat Cannon. This image shows the overall design of the black gas heat cannon with its integrated handle and control panel, along with the included orange gas hose and regulator.

2. PRODUCT FEATURES

- **High Heating Power:** Delivers 50 KW (170600 BTU/H) for effective heating.
- **Propane Gas Operation:** Designed to run on propane gas.
- **Efficient Airflow:** Provides an airflow of 650 m³/h.
- **Piezzo Ignition:** Features a convenient piezzo ignition system for easy startup.
- **Overheating Protection:** Equipped with a safety device to prevent overheating.
- **Portable Design:** Compact design with a handle for easy transport.
- **Included Accessories:** Supplied with a gas hose and regulator.

**Warm
TECH**

50KW

170600
BTU/H

GAS
PROPANE

**PIEZZO
STARTER**



Figure 2: Key features of the Warm Tech 50 KW Gas Heat Cannon. This image highlights the 50 KW heating power, 170600 BTU/H output, propane gas operation, piezzo starter, and the integrated handle for portability.

**Warm
TECH**

HEATING POWER
50KW



**HOSE AND REGULATOR
INCLUDED**

Figure 3: Overheating security and consumption details. This image illustrates the overheating protection feature, the gas consumption rate of 3.63 kg/h, and confirms the inclusion of the hose and regulator.

3. PACKAGE CONTENTS

Upon unpacking, please ensure all the following items are present and undamaged:

- Warm Tech 50 KW Gas Heat Cannon unit
- Gas hose
- Gas pressure regulator
- Instruction Manual (this document)

4. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in fire, explosion, electric shock, or serious injury.

- **Ventilation:** Always operate the heater in a well-ventilated area. This heater consumes oxygen and produces carbon monoxide. Inadequate ventilation can lead to carbon monoxide poisoning, which can be

fatal.

- **Gas Supply:** Use only propane gas. Ensure the gas cylinder is placed on a stable, level surface and is connected securely to the heater using the supplied hose and regulator. Check for gas leaks using a soapy water solution before each use.
- **Electrical Connection:** The heater requires an electrical connection (230V AC) for the fan to operate. Ensure the power outlet is properly grounded and matches the heater's voltage requirements. Do not use extension cords unless absolutely necessary, and ensure they are rated for outdoor use and the heater's power consumption.
- **Placement:** Place the heater on a stable, non-combustible surface. Maintain a safe distance from combustible materials (e.g., wood, paper, fabrics). Do not block the air intake or outlet.
- **Flammable Materials:** Do not store or use gasoline, paint, or other flammable liquids or vapors near the heater.
- **Supervision:** Never leave the operating heater unattended. Keep children and pets away from the heater.
- **Overheating Protection:** The heater is equipped with an overheating protection device. If the unit overheats, it will shut down automatically. Allow it to cool down before attempting to restart and investigate the cause of overheating.
- **Maintenance:** Disconnect the gas supply and electrical power before performing any maintenance or cleaning.

5. SETUP

1. **Unpacking:** Carefully remove the heater and all accessories from the packaging. Inspect for any shipping damage.
2. **Placement:** Position the heater on a firm, level, non-combustible surface in a well-ventilated area. Ensure adequate clearance from walls, ceilings, and all combustible materials.
3. **Connect Gas Hose and Regulator:**
 - Connect the gas regulator to your propane gas cylinder. Ensure a tight and secure connection.
 - Connect the other end of the gas hose to the gas inlet on the heater. Tighten securely.
 - Perform a leak test: Apply a soapy water solution to all gas connections. Open the gas cylinder valve. If bubbles appear, there is a leak. Close the gas valve immediately and re-tighten connections. Repeat the test until no bubbles are observed.
4. **Connect Electrical Power:** Plug the heater's power cord into a grounded 230V AC electrical outlet. The fan requires power to operate.

6. OPERATING INSTRUCTIONS

1. **Pre-Operation Check:** Ensure all safety guidelines in Section 4 are followed. Verify gas connections are secure and leak-free. Confirm the heater is plugged into a grounded outlet.
2. **Open Gas Supply:** Slowly open the valve on the propane gas cylinder.
3. **Turn On Power:** Switch the main power switch on the heater to the 'ON' position. The fan should start running.
4. **Ignition:** Press and hold the gas valve button (if present) and simultaneously press the piezzo ignition button. Hold the gas valve button for a few seconds after ignition to allow the flame sensor to heat up. Release the button once the flame is stable.

5. **Monitoring:** Observe the flame. It should be stable and blue. If the flame is yellow or unstable, or if the heater fails to ignite after several attempts, turn off the gas and power, and consult the Troubleshooting section.
6. **Shutdown:** To turn off the heater, first close the valve on the propane gas cylinder. Allow the heater to run until the flame extinguishes (to clear residual gas from the hose). Then, switch the main power switch on the heater to the 'OFF' position and unplug the power cord.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your heat cannon.

- **Cleaning:** Keep the exterior of the heater clean. Use a soft, damp cloth to wipe down surfaces. Do not use abrasive cleaners or solvents. Ensure the air intake and outlet grilles are free from dust and debris.
- **Inspection:** Periodically inspect the gas hose and regulator for any signs of wear, cracks, or damage. Replace damaged components immediately with approved parts. Check electrical cord for damage.
- **Storage:** When not in use, disconnect the gas cylinder and store the heater in a dry, clean, and safe location, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Heater does not ignite	No gas supply; Gas cylinder empty; Gas valve closed; Faulty piezzo igniter; Insufficient gas pressure.	Check gas cylinder level; Ensure gas valve is open; Check gas connections for leaks; Contact qualified service personnel if igniter is faulty.
Fan does not operate	No electrical power; Power switch off; Motor fault.	Ensure power cord is plugged in; Check power outlet; Turn power switch to 'ON'; Contact service if motor is faulty.
Heater shuts off unexpectedly	Overheating protection activated; Insufficient ventilation; Low gas pressure.	Ensure adequate ventilation; Clear any obstructions from air intake/outlet; Check gas supply. Allow unit to cool before restarting.
High gas consumption	Normal operation for 50 KW unit; Inefficient use in uninsulated or excessively large spaces.	Ensure the heater is used in appropriate conditions; Verify gas pressure is correct (1.5 bar). Note that this model has a fixed output and consumption rate of 3.63 kg/h.

9. SPECIFICATIONS

Specification	Value
Model Number	WTCACG50-BEDU
Brand	WARM TECH
Heating Power	50 KW / 170600 BTU/H

Specification	Value
Fuel Type	Propane Gas
Motor Power	50W
Voltage	230 Volts (AC)
Airflow	650 m ³ /h
Gas Consumption	3.63 kg/h
Gas Pressure	1.5 bar
Ignition System	Piezzo
Dimensions (L x W x H)	580 x 230 x 355 mm
Color	Black
Intended Use Environment	Indoor (well-ventilated areas like garage, workshop, construction site)

DIMENSIONS



Figure 4: Dimensions of the Warm Tech 50 KW Gas Heat Cannon. This image provides a visual representation of the unit's length (58 cm), width (23 cm), and height (35.5 cm).

10. WARRANTY AND SUPPORT

Information regarding specific warranty terms and conditions for the Warm Tech 50 KW Gas Heat Cannon is not available in the provided product data. For warranty claims, technical support, or spare parts inquiries, please contact your retailer or the manufacturer directly. Keep your proof of purchase for any warranty-related requests.