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DAHTEC BG-C5/3

DAHTEC 5 kW Industrial Electric Fan Heater

MODEL: BG-C5/3 USER MANUAL

1. Introduction and Overview

Thank you for choosing the DAHTEC 5 kW Industrial Electric Fan Heater, Model BG-C5/3. This robust and efficient heater is designed for professional and demanding environments, providing rapid and extended heating for spaces up to 48 m². Its durable construction and advanced safety features ensure reliable performance. This manual provides essential information for safe operation, maintenance, and troubleshooting.

Chauffage Soufflant Industriel

Chauffe des pièces jusqu'à **48 m²**



Image 1.1: The DAHTEC 5 kW Industrial Electric Fan Heater in operation, illustrating its capacity to heat large areas up to 48 m².

Key Features:

- **Efficient Heating:** High-performance motor and stainless steel heating elements for quick heating and extended airflow.
- **Multi-functional Safety:** Steel structure, thermostat, tip-over protection, overheat protection, delayed fan shutdown, IP24 rating, insulated handle, and a robust 1.60 m power cord.
- **Versatile Settings:** Three power settings: 30 W (fan only), 2500 W, and 5000 W.
- **Portable Design:** Equipped with a portable handle for easy movement and non-slip plastic pads for stability on uneven surfaces.
- **Wide Application:** Ideal for workshops, warehouses, garages, construction sites, greenhouses, and other small to medium-sized indoor spaces.

2. Safety Instructions

Read all safety warnings and instructions carefully before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury. Keep this manual for future reference.



Image 2.1: Overview of the heater's safety features, emphasizing reinforced steel construction, V-0 fire retardancy, IP24 rating, GS certification, and anti-overheat protection.

General Safety:

- Always ensure the heater is placed on a stable, level surface to prevent accidental tipping.
- Maintain a safe distance from flammable materials, curtains, furniture, and other objects.
- Do not cover the heater or obstruct its air inlets/outlets.
- Keep children and pets away from the heater during operation.
- Never operate the heater with a damaged cord or plug. Contact qualified personnel for repairs.
- Do not use the heater in bathrooms, laundry areas, or similar wet locations.
- Always unplug the heater when not in use or before cleaning.

Electrical Safety:

- This heater operates on 400 Volts (AC). Ensure your power supply matches this requirement.
- Do not overload electrical circuits. Avoid using extension cords unless absolutely necessary and ensure they are rated for the heater's power consumption.
- The heater is equipped with an IP24 rating, providing protection against splashing water. However, it is not waterproof and should not be submerged or exposed to heavy rain.

Overheat Protection: The heater features an automatic overheat protection system. If the internal temperature becomes too high, the heater will automatically shut off. Allow it to cool down before attempting to restart.

Tip-Over Protection: An integrated sensor will automatically shut off the heater if it is accidentally tipped over, enhancing safety.

3. Product Components

Familiarize yourself with the main components of your DAHTEC Industrial Electric Fan Heater:



BOÎTIER EN ACIER :

Doté d'un boîtier en acier durable avec revêtement en poudre thermorésistant pour une longue durée de vie



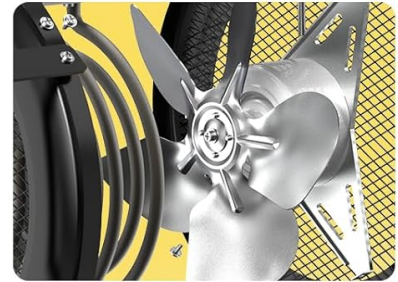
POIGNÉE:

Poignée thermoisolée conçue pour un transport facile



Grille Métallique:

Grille de sécurité anti-brûlure à événements aérodynamiques améliore le flux d'air et la portée de chauffage



Ventilateur en Alliage:

Pales en alliage offrent une durabilité accrue et un flux d'air plus puissant

Image 3.1: Key structural and functional components of the heater, including the durable steel casing, insulated handle for portability, protective metallic grille, and efficient alloy fan.

- **Steel Casing:** Durable, powder-coated steel body designed for industrial environments.
- **Insulated Handle:** Ergonomically designed for safe and easy transport.
- **Metallic Grille:** Front and rear grilles protect the heating elements and fan, while ensuring optimal airflow.
- **Alloy Fan:** High-performance fan blades made from durable alloy for powerful air circulation.
- **Heating Elements:** Stainless steel heating coils for rapid and efficient heat generation.
- **Control Panel:** Located on top, housing the power/fan selector and thermostat knob.
- **Adjustable Stand:** Allows for adjusting the heating angle from 0° to 25°.
- **Power Cord:** Robust 1.60 m power cord for connection to a 400V AC supply.

4. Setup

Follow these steps to set up your heater for first use:

1. **Unpacking:** Carefully remove the heater from its packaging. Retain packaging for future storage or transport.

2. **Placement:** Place the heater on a firm, level, and non-flammable surface. Ensure there is adequate clearance (at least 1 meter) from walls, furniture, and other combustible materials.
3. **Angle Adjustment:** Loosen the knobs on the side of the stand to adjust the heating angle between 0° and 25° as needed. Tighten the knobs securely once the desired angle is set.
4. **Power Connection:** Ensure the power selector knob is in the 'OFF' (0) position. Plug the robust 1.60 m power cord into a suitable 400V AC electrical outlet. Verify that the outlet can handle the heater's maximum power consumption (5000W).

5. Operating Instructions

The DAHTEC heater features a user-friendly control panel for easy operation.



Image 5.1: Detailed view of the control panel, indicating the power/fan selector and the adjustable thermostat knob.

Control Panel Overview:

- **Power/Fan Selector Knob (Left):** Controls the operating mode.
- **Thermostat Knob (Right):** Adjusts the desired temperature.

Operating Modes:

1. **OFF (0):** The heater is completely off.
2. **Fan Only (★):** Activates the fan without heating, providing 30 W of power for air circulation.
3. **Low Heat (I: 2500W):** Activates the fan and heating elements at 2500 W for moderate heating.
4. **High Heat (II: 5000W):** Activates the fan and heating elements at 5000 W for maximum heating output.

Using the Thermostat:

- Turn the power/fan selector knob to your desired heat setting (I or II).
- Rotate the thermostat knob clockwise towards 'MAX' to set a higher temperature, or counter-clockwise towards 'MIN' for a lower temperature.
- The heater will operate until the ambient temperature reaches the set level, then it will cycle on and off to maintain the temperature.
- **Tip:** For continuous heating, set the thermostat knob to the maximum position.



GS
geprüfte
Sicherheit

Fonctionnement Simplifié

411 m³/h
Grand débit d'air

DAHEC
Autres

Contrôle Thermostatique

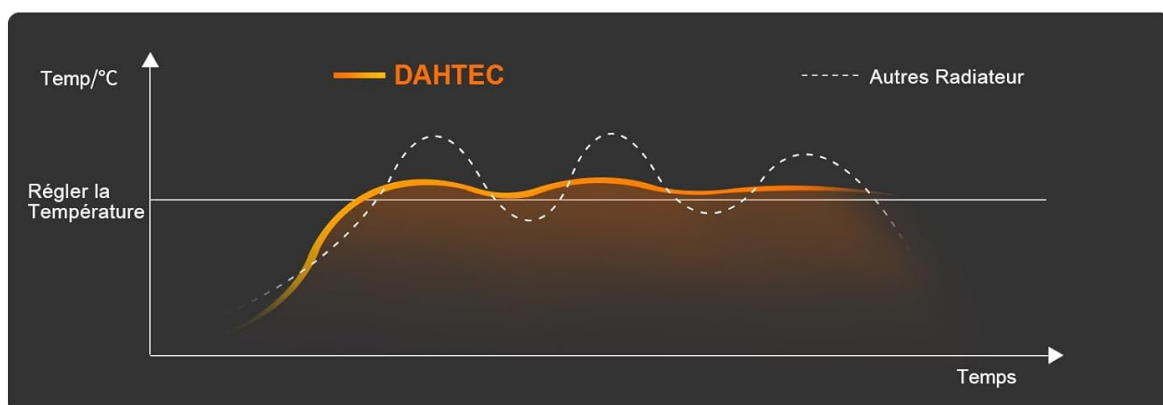


Image 5.2: Illustration of the heater's thermostatic control, demonstrating its ability to maintain a stable temperature compared to heaters without precise control.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your heater.

- **Cleaning:** Before cleaning, always unplug the heater and allow it to cool completely. Use a soft, damp cloth to wipe the exterior. Do not use abrasive cleaners or solvents. Use a vacuum cleaner to remove dust from the grilles and internal components.
- **Storage:** When not in use, store the heater in a cool, dry place, away from direct sunlight and moisture. It is recommended to store it in its original packaging.
- **Inspection:** Periodically inspect the power cord and plug for any signs of damage. Check the grilles for obstructions. If any damage is found, do not use the heater and contact customer support.

7. Troubleshooting

If you encounter issues with your DAHTEC heater, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Heater does not turn on.	No power supply; Power selector in 'OFF' position; Overheat protection activated; Tip-over switch activated.	Check power cord and outlet; Turn power selector to a heat setting; Allow heater to cool down; Ensure heater is upright on a stable surface.
Heater produces cold air only.	Power selector in 'Fan Only' mode; Thermostat set too low.	Turn power selector to 'I' (2500W) or 'II' (5000W); Adjust thermostat to a higher setting.
Heater cycles on and off frequently.	Thermostat is maintaining desired temperature; Room is too small for the heater's output.	This is normal operation for thermostatic control; Consider using a lower heat setting if the room heats up too quickly.
Heater trips circuit breaker.	Circuit overload; Faulty heater.	Ensure no other high-power appliances are on the same circuit; Try plugging into a different circuit; If problem persists, discontinue use and contact support.

If the problem persists after attempting these solutions, please contact DAHTEC customer support.

8. Specifications

Technical details for the DAHTEC 5 kW Industrial Electric Fan Heater, Model BG-C5/3:

DAHTEC®



ÉLECTRIQUE:
400V 3~50Hz



PUISSANCE MAX:
5000W

CHAUFFAGE SOUFLANT 5000W



DÉBIT D'AIR:
411 m³/h



POIDS NET:
7.6 kg

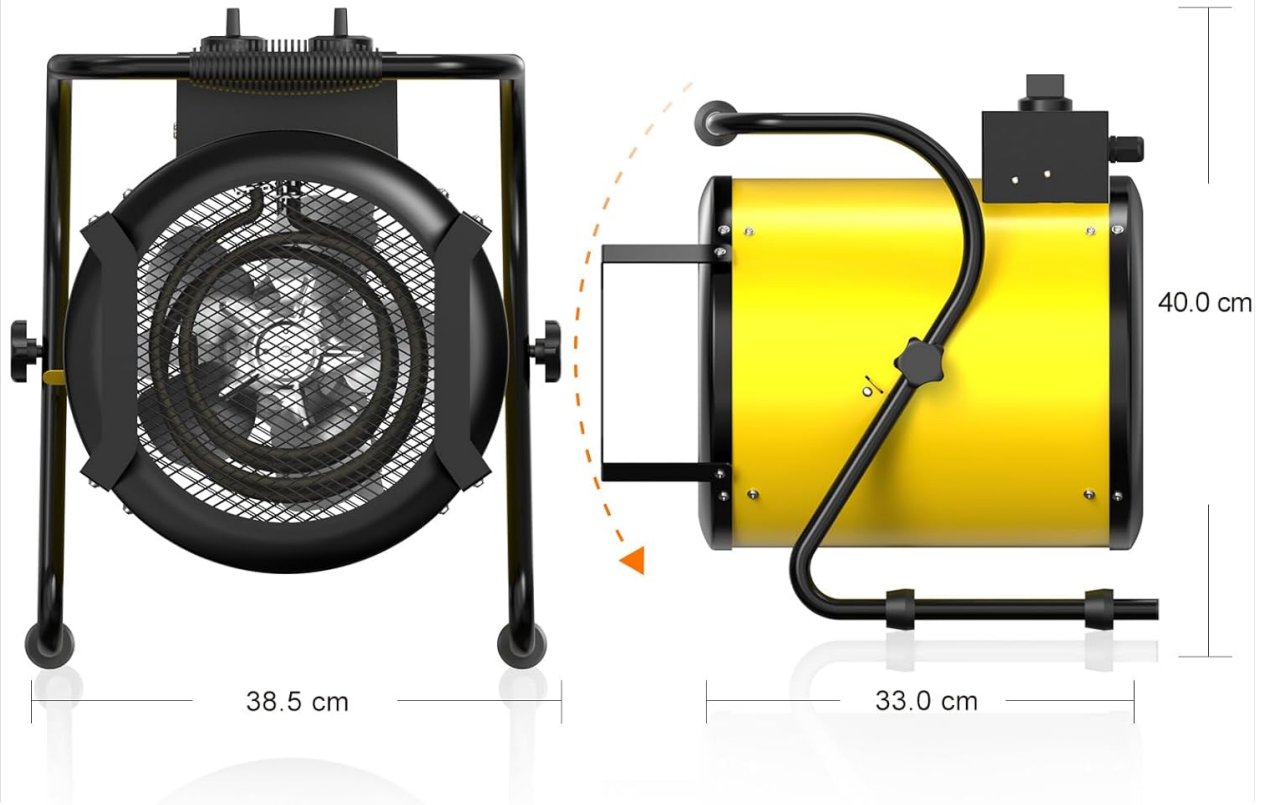



Image 8.1: Visual representation of the heater's dimensions (33 x 38.5 x 40 cm) and key electrical specifications.

Specification	Value
Brand	DAHTEC
Model	BG-C5/3
Color	Yellow
Dimensions (L x W x H)	33 x 38.5 x 40 cm
Weight	7.6 kg
Power Output	30 W (Fan Only), 2500 W, 5000 W
Voltage	400 Volts (AC)
Airflow	411 m³/h
Heating Method	Forced Air
IP Rating	IP24

Specification	Value
Special Features	Steel Body, Energy Efficient, Portable, Overheat Protection, Manual Thermostat

Energy Efficiency Information:



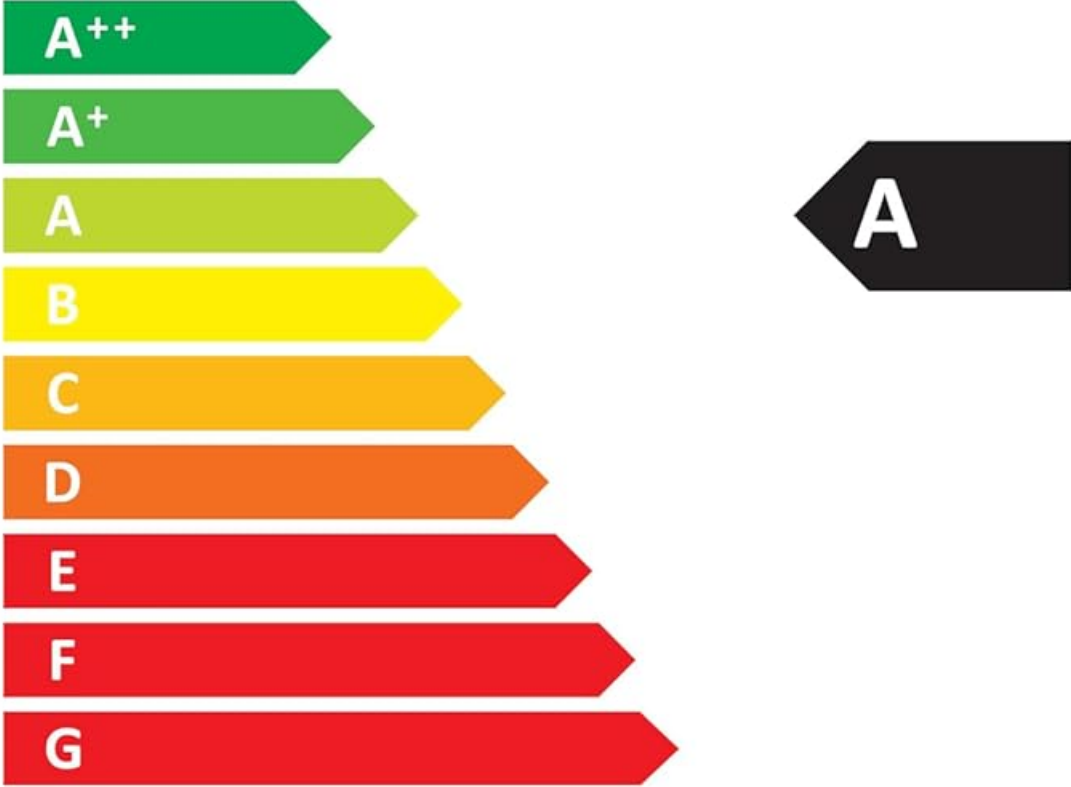
ENERG




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ДАНТЕС
BG-C5/3



5,0

kW

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Image 8.2: The EU Energy Label for the DAHTEC BG-C5/3, indicating an energy efficiency rating of A.

For detailed product information and compliance, please refer to the EPREL database:

[EPREL Product Information \(QR Code 2540086\)](#)

9. Warranty and Support

DAHTEC is committed to providing comprehensive pre-sales and after-sales support for your product.

- **Warranty:** Please refer to the warranty information provided with your purchase for details on coverage and duration.
- **Customer Support:** For any questions, technical assistance, or support needs, please contact us directly through the Amazon platform. Our team is dedicated to providing quick solutions and assistance.
- **Online Resources:** This detailed user manual and additional online video tutorials are available to assist you with product setup and operation.