

AREBOS

Convector 2000W

AR-HE-KV2000W/B



Follow all safety precautions in this user manual to ensure safe use.

CE

Thank you for your trust in AREBOS.

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Thank you for purchasing our product. Please read the instruction manual carefully before using the product for the first time. If you leave the product to third parties, this operating manual must also be handed over. Keep the instruction manual for later reference. The drawings in this guide may not match the physical objects. Please refer to the physical objects.

1 Introduction and safety instructions

1.1 Introduction

- This user manual is intended to familiarize you with the installation, use and maintenance of the product. To install the device safely and correctly, please read the user manual **before** you begin.

1.2 Symbol explanation and residual hazards

 **WARNING!** This signal symbol/word refers to a hazard with a medium degree of risk which, if not avoided, may result in death or serious injury.

 **CAUTION!** This signal symbol/word refers to a low-risk hazard which, if not avoided, may result in minor or moderate injury.

Hint! This signal symbol/word warns of possible property damage.



 **WARNING!** Read the safety regulations and instructions carefully.

Failure to comply with safety instructions and instructions may cause electric shock, fire and/or serious injury. **Keep all safety instructions and instructions for the future.**



 **WARNING!** from electrical voltage!

Remove the power plug from the power outlet before working on the device! Do not touch the power plug with damp or wet hands. Unplug the power cord from the power outlet by touching it on the power plug.



 **WARNING!** from electrical voltage!

This symbol indicates that there are dangers to the life and health of persons due to electrical voltage.

Work on electrical components may only be carried out by an authorized specialist company!

 **WARNING!** Danger of electric shock!

The device must not come into contact with water, otherwise there is a risk of electric shock!

Do not use this heater in wet rooms!



⚠ WARNING! in front of a hot surface!

This symbol indicates that there are dangers to the life and health of individuals due to hot surfaces.

Parts of this device can get very hot and cause burns. Pay special attention when children or other vulnerable people are present!



⚠ WARNING!

This device can pose dangers if it is used improperly or not as intended by persons who have not been instructed! Note that the device is not a toy and does not belong in children's hands. Personnel qualifications!

Suffocation! Do not leave the packaging material carelessly. It could become a dangerous toy for children.

There is a risk of fire if installed improperly. Do not place the device on a flammable surface.

Do not place the device on high-pile carpets.

The device must not be covered to avoid overheating and fire hazard!



⚠ WARNING! The heater must not be covered to avoid overheating and fire hazard!

The symbol on the device indicates that it is not allowed to hang objects (e.g. towels, clothes, etc.) above the device or directly in front of it.



Follow the instructions

Hints with this symbol indicate that that the operating instructions must be observed.



This product must not be disposed of with household waste!



On the basis of a CE marking, it can be recognized that a product complies with the legal provisions of European legal standards and may therefore be traded within the European Community.



This product has been tested and certified by eurofins.

The symbol "GS" stands for tested safety. Products that are compatible with are marked with this mark, comply with the requirements of the German Product Safety Act (ProdSG).

Behaviour in an emergency

- Turn off the device.
- In an emergency, disconnect the device from the power supply: Unplug the power cord from the power outlet by touching it on the power plug.
- Do not reconnect a defective device to the power connector.

Overheating protection

The device has a safety thermostat that is activated when the device overheats.

- The device then turns off automatically.
- The lamps on the toggle switches for the heating stages go out.

When the safety thermostat is enabled, let the device cool down and then look for the cause of the overheating. If the problem persists, contact customer service.

1.3 Safety instructions

- Your safety is most important to us. So please make sure you read the user manual **before** installing and using the product. If you are unsure about any information in this manual, please contact the dealer from whom you purchased the device.
- **DO NOT** use the product if you have not yet read the instruction manual.
- Make sure you have read the user manual thoroughly and understood the contents before you begin the installation.
- The instructions are in the interest of your safety.

 **WARNING!** This device may be used by children 8 years of age and older, as well as by persons with reduced physical, sensory or mental abilities or lack of experience and knowledge, if they have been supervised or instructed in the safe use of the device and understand the resulting dangers. Children are not allowed to play with the device. Cleaning and user maintenance must not be carried out by children without supervision.

 **WARNING!** Children younger than 3 years of age should be kept away from the device unless they are constantly monitored. Children 3 years of age and younger than 8 years of age may only turn the device on and off if they are supervised or have been instructed in the safe use of the device and understand the resulting dangers, provided that:
that the device is placed or installed in its normal usage position.
Children from 3 years of age and younger than 8 years of age must not plug the plug into the socket, regulate the device, clean the device and/or perform maintenance by the user.

 **WARNING!** Do not use the device in small rooms if there are people in it who can not leave the room on their own and are not under constant supervision.

- Do not operate the device in potentially explosive rooms or areas and do not place it there.
- Do not operate the device in an aggressive atmosphere.
- Place the device upright and stable on a load-bearing surface.
- Allow the device to dry after a wet cleaning. Do not operate it in the wet state.
- Do not operate or operate the device with damp or wet hands.
- Do not expose the device to a direct jet of water.
- Never insert objects or limbs into the device.
- Do not cover the device during operation.
- Do not remove any safety signs, stickers or labels from the device. Keep all safety signs, stickers and labels in a legible condition.
- Do not sit on the device.
- The device is not a toy. Keep children and animals away. Use the device only under supervision.
- Before each use, check the device, its accessories and connection parts for possible damage. Do not use defective devices or device parts.
- Make sure that all electrical cables outside the device are protected from damage (e.g. by animals). Never use the device in case of damage to electrical cables or the mains connection!
- The mains connection must comply with the specifications in the technical data.
- Plug the power plug into a properly secured power outlet.
- Select power cord extensions based on device power, cable length, and intended use. Fully unroll the extension cord. Avoid electrical overload.
- Before servicing, care or repairing the device, unplug the power cord from the power outlet by touching it on the power plug.
- Turn off the device and remove the power cord from the power outlet when not using the device.

- Never use the device if you notice damage to the power plug or power cord. If the power cord of this device is damaged, it must be replaced by the manufacturer or his customer service or a similarly qualified person to avoid hazards. Defective power cords pose a serious threat to health!
- During installation, observe the minimum distances to walls and objects as well as the storage and operating conditions according to the technical data (chapter Technical data).
- Do not use the device in the immediate vicinity of curtains, beds or sofas.
- Keep a safety distance of at least 1 m between the air inlet and the air outlet of the device and all flammable materials such as textiles, curtains, beds and sofas.
- Make sure the air inlet and air outlet are free.
- Make sure that the intake side is always free of dirt and loose objects.
- Do not place the device on a flammable surface.
- Only use original spare parts, otherwise no functional and safety-compliant operation is guaranteed.
- Allow the device to cool down before transport and/or maintenance.
- Do not use this unit near bathtubs, shower trays, swimming pools or other vessels that contain water. There is a risk of electric shock!
- Do not use this device again if it has been dropped or shows visible signs of damage.
- The heater must not be placed directly under a socket.
- To avoid overheating, the heater must not be covered.
-  **CAUTION!** Some parts of this product can get very hot and cause burns. Special care should be taken if children and vulnerable persons are present.
-  **CAUTION!** To avoid the risk of accidental resetting of the thermal circuit breaker, this device must not be powered by an external switchgear, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- Read all instructions carefully before use.
- Make sure that the voltage specified on the device's nameplate matches.
- Keep the device and cable away from heat sources, sharp objects, or other things that could cause damage.
- Make sure the device is turned off before connecting it to the mains.
- Turn off the device and unplug it when not in use before cleaning it or performing other maintenance.
- To unplug the device, turn it off and then unplug it from the wall outlet. Do not unplug the cable to unplug it.
- Do not operate the device in areas where gasoline, paint or other flammable liquids are used or stored.
- Use indoors only.
- In order to prevent a possible fire, the air inlets and outlets must not be blocked in any way.
- Do not touch the hot surfaces.
- Do not insert any foreign objects into the ventilation or exhaust air vents and do not allow them to penetrate, as this can lead to an electric shock, fire or damage to the device.
- Always make sure your hands are dry before pressing or adjusting a switch on the device or touching the plug and outlet.
- Do not leave the device unattended when it is in operation.
- The most common cause of overheating is deposits of dust or fluff in the device. Ensure that these deposits are removed regularly by unplugging the device and vacuuming the vents and grilles.
- Do not place the heater on carpets and do not lay the cable under carpets. Lay the cable away from traffic areas so you can't stumble over it.

- Store the heater in a cool, dry place when not in use and do not store it until it has cooled.
- Do not use the device to dry clothes.
- Do not immerse the device in liquids and do not let liquids run into the interior of the device, as this can lead to an electric shock.
- Do not use the device on a wet surface or where it can fall down or be pushed into the water.
- Do not reach for a device that has fallen into the water. Turn off the power supply and immediately unplug the power plug.
- Use the device only as described in this guide. Any other use is not recommended by the manufacturer and may cause fire, electric shock or injury.
- Do not use the device on a window, as rain can cause an electric shock.
- Do not store the device in a box or enclosed space until it has cooled down sufficiently.
- Do not use this device as a heater for animals and plants.

Intended use

The device is only suitable for well-insulated rooms or for occasional use.

Use the device exclusively for heating enclosed spaces, in compliance with the technical data.

The intended use includes the heating of:

- Flats
- Storage rooms
- Business premises
- Construction site rooms
- Containers
- Stacking

Foreseeable misuse

- Do not place the device on wet or flooded surfaces.
- Do not place objects, such as clothing, on the device.
- Do not use the device near gasoline, solvents, paints or other highly flammable fumes or in rooms where they are stored.
- Do not use the device outdoors.
- Do not use the device to heat vehicles.
- The device must not be used near swimming pools.
- Do not use the device in the immediate vicinity of sinks, bathtubs or other containers that contain water.
Never submerge the device in water.
- This heater must not be used in wet rooms.
- Any use other than the intended use shall be deemed to be a reasonably foreseeable misuse.
- Unauthorized structural changes such as additions or conversions to the device are prohibited.

Personnel qualification

People using this device must:

- be aware of the dangers of working with electrical appliances in a humid environment.
- have read and understood the operating instructions, in particular the chapter on safety.

Maintenance activities that require the opening of the housing may only be carried out by electricians or by AREBOS.

2 Scope of delivery and information

Scope of delivery

- 1 x Convector / 2 x Stand / 4 x Screw (for stand) / 1 x Manual



No.	Designation
1	Air outlet
2	Pedestal
3	Air intake
4	Carrying handle
5	Control panel

Information about the device

- The convector AR-HE-KV2000W / AR-HE-KV2000B is used to generate warm air for indoor use.
- The devices AR-HE-KV2000W / AR-HE-KV2000B are identical. The two devices differ only in the color of the device housing. The device AR-HE-KV2000W has a white housing color, the device AR-HE-KV2000B has a black housing color.
- The devices generate heat via an electric heating element. The air in the vicinity of the heating spiral is heated. The heated air rises upwards through the air outlet and thus enters the room.
- The devices have integrated thermostats and thus generate a constant flow of warm air.
- They also have a turbo function, which enables faster distribution of the heated air.
- The devices also have timers that can be used to set the time when the devices are turned on and off.

3 Installation and commissioning

⚠ WARNING! Make sure you are sufficiently distanced from walls, fixtures or other equipment. The distance must be at least 1 m from the front and side walls of the appliance in order to eliminate the risk of fire.

Unpack the device

- Remove the device and all accessories from the package. Check that the device has no signs of damage.
- Completely remove the packaging from the device.
- Unwind the power cord completely. Make sure that the power cord is not damaged and do not damage it when unwinding.
- Choose a fixed, flat and non-combustible location.
- Plug the power plug into a suitable 220 - 240V~50/60Hz outlet and make sure the power button is set to "OFF".

Assembly

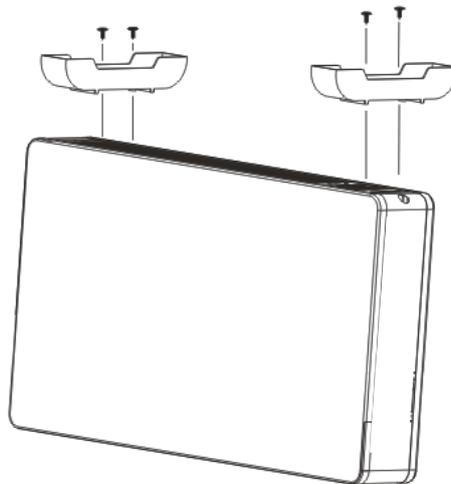
⚠ WARNING! risk of injury due to incorrect installation due to electrical voltage! There may be local or national regulations for assembly. We recommend that you have the assembly carried out by an electrician.

⚠ WARNING! Fire hazard due to incorrect installation! There is a risk of fire if the required minimum distances are not observed. Pay full attention to the content in the chapter Assembly and commissioning as well as the technical data in the chapter Technical data.

Mounting feet

⚠ WARNING! Make sure that the 2 feet are mounted before using the heater to ensure a sufficient distance to the stand surface.

- Remove the device and all accessories from the packaging and check that the device shows no signs of damage.
- Turn the main unit around and place it on a table or the packaging box and mount the two feet with the four screws. Check the feet for a firm fit.
- After the installation is complete, place the device on a fixed, flat surface and make it operational.





Commissioning

Info: Odours may develop when the appliance is put into operation for the first time or after a long period of non-use. When setting up the appliance, observe the minimum distances to walls and objects according to the chapter Technical data.

Before recommissioning the device, check the condition of the power cord. If you have any doubts about its perfect condition, call customer service.

- Place the device upright and stable.
- Avoid tripping points when laying the power cable or other electrical cables, especially when placing the device in the middle of the room. Use cable bridges.
- Ensure that cable extensions are fully rolled out or unrolled.
- Make sure that curtains or other objects do not hinder the flow of air.
- Do not place the device directly under a wall outlet.
- Make sure that the device cannot come into contact with moisture or water.

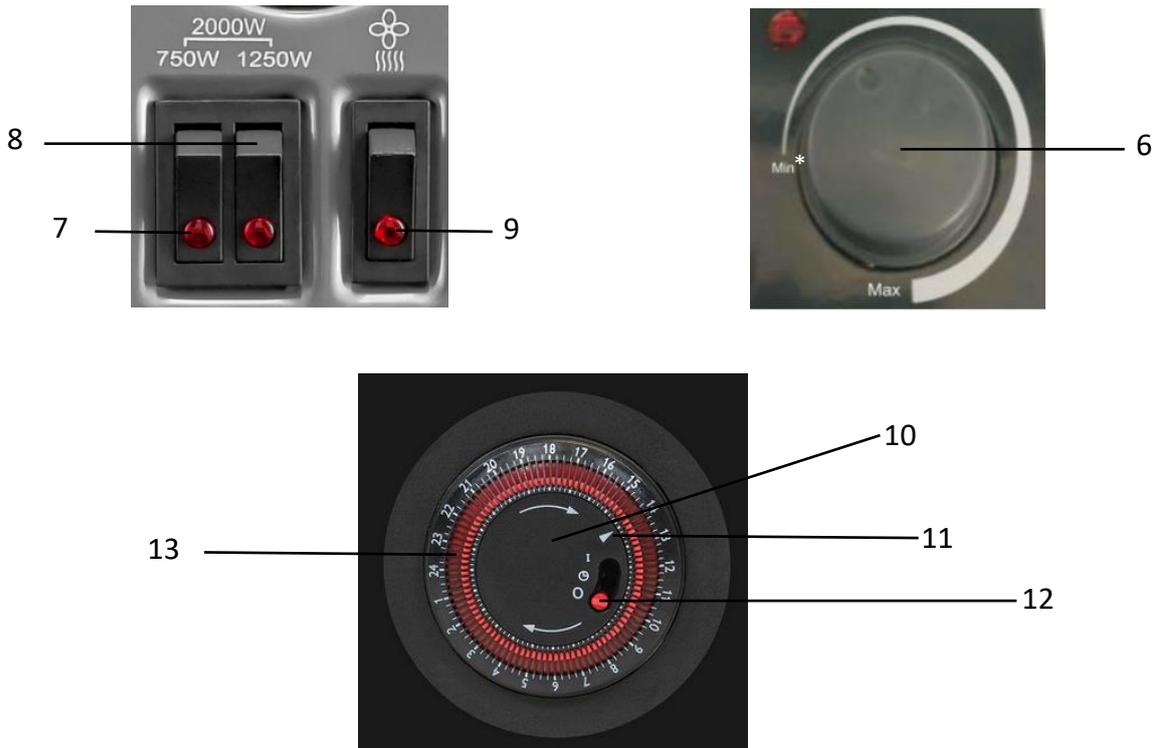
Connect the power cord

- Plug the power plug into a properly secured power outlet.
- Make sure that the power cord is routed behind the device. Never run the power cord in front of the device!

4 Service

- Remove the heater and spare parts from the box and place it on a solid, flat floor or work surface.
- Before plugging the plug into the outlet, make sure that the power supply in your area matches the one indicated on the device's nameplate.
- Set the main button to Off. Plug the power cord into a 220-240V~AC outlet and set the main switch to "on".
- Turn on the device by pressing the main switch ON/OFF, the device displays the current room temperature.
- Avoid open doors and windows.

Controls



No.	Designation
6	Rotary switch room thermostat
7	Toggle switch heating stages 750 W (with toggle switch 8 together = 2000 W)
8	Toggle switch heating stages 1250 W (with toggle switch 7 together = 2000 W)
9	Toggle switch turbo blower
10	Timer
11	Hand timer
12	Timer controller
13	Timer Segments

Turn on the device

- Plug the plug into a sufficiently secured outlet.
- Set the toggle switch (7, 8) to the position for the desired heating power. You can switch on a toggle switch for 750 W (7) or 1250 W (8) power, or both for the maximum power of 2000 W. If the temperature of the room thermostat is set above the current room temperature, the respective lamps of the heating stages light up.
- For optional timer: Set the timer slider (12) to position I.

Setting room thermostat

- Set the stepless rotary switch (6) of the room thermostat to the desired temperature. If the temperature of the room thermostat is set above the current room temperature, the respective lamps of the heating stages light up.

The room thermostat automatically regulates the room temperature:

- If the set value is exceeded, the heating switches off.
- If the value is not reached, the heating automatically switches on again.

Frost guard function:

- Turn the thermostat to the * (snowflake) marker. In this position, the room thermostat automatically switches on the heating if the room temperature drops below the antifreeze temperature.

Turn on the turbo blower

- Set the blower toggle switch (9) to the On position.
The blower starts when the room thermostat is switched on.
To distribute warm air, turn on the desired heating level.
If the temperature of the room thermostat is set above the current room temperature, the respective lamps of the heating stages light up.
At warm room temperature, you can use the device for the distribution of cold air

Programming a timer

The timer has a 24-hour format. You can use it

Set time intervals for the device to turn on.

The timer has a three-stage controller (12):

- Position 0: The device is turned off.
- Item I: Continuous operation.
- Middle position (clock symbol): The heating is switched on and off via the programmed timer.

To program the timer, proceed as follows:

- Rotate the timer (10) clockwise until the hand (11) is set to the current time.
- Move the segments (13) outwards for the time intervals at which you want the device to turn on.
- Set the slider (12) to the middle position.
- The timer is programmed.

Info: Please note that when the timer is switched on, the device switches on and runs without supervision. Take appropriate precautions. For example, do not let children near the device without supervision.

Decommissioning

 **Warning!** from electrical voltage!

Do not touch the power plug with damp or wet hands.

- Set all toggle switches to the Off position. The lamps on the toggle switches go out.
- For optional timer: Set the timer slider (12) to position 0.
- Unplug the power cord from the power outlet by touching it on the power plug.
- Allow the device to cool completely.
- Clean the device according to the chapter Maintenance.
- Store the device according to the chapter Storage.

5 Errors and malfunctions

⚠ Warning! from electrical voltage! Activities that require the opening of the device may only be carried out by authorized specialist companies or by AREBOS.

The device was tested several times during production for proper functioning. Should malfunctions nevertheless occur, check the device in the following list.

The device does not start:

- Check the power connection.
- Check the power cord and power plug for damage.
- Check the on-site network protection.
- Check the room temperature. The room thermostat may have switched off because the desired room temperature has been reached.
- The room thermostat may be defective. Have a defective room thermostat replaced by a specialist electrical company.
- Check the timer: If the controller is set to 0 or the current time is not included in the programming, the device does not start. Set the slider to position I (continuous operation).
- Check whether the overheat protection has triggered (see chapter Safety).
- Wait 10 minutes before restarting the device. If the device does not start, have an electrical inspection carried out by a specialist company or by AREBOS.

The blower is not running:

- Verify that the device is turned on.
- Check the power connection.
- Check the power cord and power plug for damage.
- The fan motor may be defective. Have a defective fan motor replaced by an electrician.

The airflow is reduced:

- • Check the air intake and outlet. Air inlet and outlet must be free. If necessary, remove dirt. Observe the minimum distances to walls and objects according to the technical data.

Note: Wait at least 3 minutes after all maintenance and repair work. Only then turn the device back on.

Your device is not working after the checks perfect?

Contact customer service. If necessary, take the device to an authorized electrician or to AREBOS for repair.

6 Maintenance and cleaning

Activities before maintenance begins

 **Warning!** from electrical voltage! Do not touch the power plug with damp or wet hands.

- Turn off the device.
- Unplug the power cord from the power outlet by touching it on the power plug.
- Allow the device to cool completely.

 **Warning!** from electrical voltage! Activities that require the opening of the device may only be carried out by authorized specialist companies or by AREBOS.

Cleaning the housing

 **Warning!** from electrical voltage! Never submerge the device under water!

Clean the case with a damp, soft, lint-free cloth. Make sure that no moisture penetrates into the housing. Make sure that no moisture can come into contact with electrical components. Do not use aggressive detergents, such as cleaning sprays, solvents, alcohol-containing cleaners, or abrasives to moisten the cloth.

Wipe the housing dry after cleaning.

7 Transport and storage

Hint! If you store or transport the device improperly, the device may be damaged. Observe the information on the transport and storage of the device.

Transport

The device is equipped with a handle for easier transport.

Please note the following before each transport:

- Turn off the device.
- Unplug the power cord from the power outlet by touching it on the power plug.
- Do not use the power cord as a pull cord.
- Allow the device to cool down sufficiently.

Storage

Observe the following instructions before each storage:

- Turn off the device.
- Unplug the power cord from the power outlet by touching it on the power plug.
- Allow the device to cool down sufficiently.

When not using the device, comply with the following storage conditions:

- dry and protected from frost and heat
- in an upright position in a place protected from dust and direct sunlight
- if necessary, protected from penetrating dust with a cover
- no other devices or objects on the device to avoid damage to the device

8 Specifications

Parameter	Value
Model	AR-HE-KV2000W / AR-HE-KV2000B
Housing color	W = white / W = black
Heat output	Level 1 750 W Level 2 1250 W Level 3 2000 W
Mains connection	220-240 V ~ / 50-60 Hz
Power consumption	2000 W
Rated current consumption	8.7 A
Network protection	10 A
Cable length	1.5 m
Plug type	Schuko plug CEE 7/7
Class	I
Dimensions (depth x width x height) (without feet) (with feet)	100 x 600 x 360 mm 220 x 600 x 380 mm
Minimum distance to walls and objects above: behind: lateral: in front:	100 cm 100 cm 100 cm 100 cm
Weight	3.5 kg

In the course of product improvements, we reserve the right to make technical and visual changes to the article.

Required information on electric local space heaters

Parameter	Value / Specification
Model	AR-HE-KV2000W AR-HE-KV2000B
Housing color	W = white / W = black
Heat	
Nominal heat output P_{nom}	2 kW
Minimum heat output (guideline) P_{min}	1 kW
Maximum continuous heat output $P_{max,c}$	2 kW
Auxiliary power consumption	
At nominal heat output e_{lmax}	NA
With minimum heat output e_{lmin}	NA
In standby mode e_{lsb}	NA
Type of control of the heat supply	
Manual control of the heat supply with integrated thermostat	NA
Manual control of the heat supply with feedback of the room and/or outside temperature	NA
Electronic control of the heat supply with feedback of the room and/or outside temperature	NA
Heat dissipation with blower support	NA
Type of heat output/room temperature control	
single-stage heat output, no room temperature control	No
two or more manually adjustable levels, no room temperature control	No
Room temperature control with mechanical thermostat	Yes
with electronic room temperature control	No
Electronic room temperature control and time of day control	Yes
Electronic room temperature control and weekday control	No
Other control options	
Room temperature control with presence detection	No
Room temperature control with detection of open windows	No
with remote control option	No
with adaptive control of the heating start	No
with uptime limitation	Yes
with black ball sensor	No
Contact details	Canbolat Vertriebs GmbH, Gneisenaustraße 10-11, 97074 Würzburg, Germany

NA: Not applicable

9 Environmentally friendly disposal

 **Warning! from the risk of suffocation!** Packaging material is dangerous for children. Never let children play with packaging material.

9.1 Disposal and packaging

- The packaging of your device is made of materials necessary to guarantee effective protection during transport. These materials are fully recyclable and thus reduce the environmental impact. Dispose of the packaging in a bin for recyclable materials.

9.2 Disposal of waste equipment

- Waste equipment must be disposed of in accordance with the guidelines and regulations of local waste disposal. Contact your local administration via the address of the nearest recycling centre and deliver your device there.



The symbol of the crossed-out waste bin on an OLD electrical or electronic equipment states that it must not be disposed of in household waste at the end of its service life. Collection points for WASTE electrical and electronic equipment are available in your area for free returns. You can obtain the addresses from your city or local government. You can inform yourself on our website www.arebos.de about other return options created by us.



The separate collection of WEEE is intended to prevent reuse, recycling or other forms of recovery of WEEE, as well as the negative consequences of disposal on the environment and human health.

Our customer service number: Tel. +44 (0) 20 8068 5604
fax: +49 (0) 931 4523 2799 / e-mail: info@arebos.de

Office address: Canbolat Vertriebs GmbH • Gneisenaustraße 10-11 • 97074 Würzburg

Return address can be found in the imprint: <https://www.arebos.de/impressum/>

Sales tax identification number: DE 263752326
Court of commercial registration is Würzburg, HRB 10082
WEEE-Reg. No. DE 61617071

EU Declaration of Conformity



We, the **Canbolat Vertriebsgesellschaft mbH**
Gneisenaustrasse 10-11
97074 Würzburg, Germany

declare, under sole responsibility, that the following product:

Brand **AREBOS**
Product Convector 2000W
Product Model AR-HE-KV2000W / AR-HE-KV2000B
Article 4252023107358 / 4252023107365

has been developed, designed and manufactured in accordance with the requirements of **European directives**:
2014/30/EU
2014/35/EU
2011/65/EU / 2015/863/EU
2009/125/EC

The subject matter of the declaration described above is in accordance with the relevant harmonisation legislation of the European Union.

The assessment shall be based on the following **harmonised standards** applied:
EN 55014-1:2017
EN 55014-2:2015
EN 61000-3-2:2019
EN 61000-3-3:2013+A1:2019
EN 60335-2-30:2009+A11:2012
EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019
EN 62233:2008

Other applied technical standards and specifications: Regulation (EU) 2015/1188

Place and date of issue: Würzburg, 12.07.2022

Signature:

Dipl.-Inform. (Univ.) Korhan Canbolat, Managing Director

If the device is modified without our consent, this declaration of conformity loses its validity.