alpha Q13L

Operating instructions



Kullhaus
BETTER AIR

Thank you for choosing Kullhaus.
Please read instructions before using the dehumidifier and keep it for future reference.

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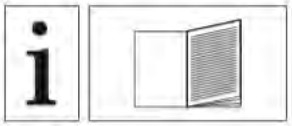
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Only for home use / power source 220-240V/50Hz

Read the USER MANUAL carefully before operation.
This device is for home use only and not for commercial, industrial or outdoor use.
We reserve the right for any error in the text or images and any necessary changes made to technical data.



Service personnel are required to carefully read the USER MANUAL and SERVICE MANUAL before operation. Failure to abide by this warning could result in an explosion, injury and property damage.



Recycle unwanted materials instead of disposing of them. All appliances and packaging should be sorted and tendered at a regional recycling centre and be processed in an ecological manner.



This unit uses a flammable refrigerant.
If refrigerant leaks and comes in contact with fire or heating part, it will create harmful gas and there is risk of fire.



Before putting the device into operation for the first time, place it in an upright position for at least 3 hours to stabilize the compressor fluids.

SAFETY INSTRUCTION

- Read the operating instructions carefully before using the dehumidifier & keep it for future reference.
- To avoid electric shock, fire or injury, please read the user manual carefully before using the appliance and keep it for future reference.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- The unit is designed only for use with R-290 (propane) gas as the designated refrigerant.
- **THE REFRIGERANT LOOP IS SEALED. ONLY A QUALIFIED TECHNICIAN SHOULD ATTEMPT TO SERVICE!**
- Do not discharge the refrigerant into the atmosphere.
- R-290 (propane) is flammable and heavier than air.
- It collects first in low areas but can be circulated by the fans.
- If propane gas is present or even suspected, do not allow untrained personnel to attempt to find the cause.
- The propane gas used in the unit has no odour.
- The lack of smell does not indicate a lack of escaped gas.
- If a leak is detected, immediately evacuate all persons from the store, ventilate the room and contact the local fire department to advise them that a propane leak has occurred.
- Do not let any persons back into the store until the qualified service technician has arrived and that technician advises that it is safe to return to the store.
- No open flames, cigarettes or other possible sources of ignition should be used inside or in the vicinity of the units.
- Component parts are designed for propane and non-incentive and non-sparking. Component parts shall only be replaced with identical repair parts.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The appliance shall be disconnected from its power source during maintenance.
- Ensure the unit is far away from fire, inflammable, or explosive objects.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacture.

SAFETY INSTRUCTION

The appliance shall be stored in a room without continuously operation sources (for example: open flames, an operating gas appliance or an operating electric heater).

The appliance shall be stored so as to prevent mechanical damage from occurring.

Do not piece or burn, even after use.

Pipework shall be protected from physical damage.

THE MACHINE MAY ONLY BE INSTALLED IN A ROOM WITH MINIMUM FLOOR AREA OF 4 m².

Compliance with national gas regulations shall be observed.

Keep any required ventilation openings clear of obstruction.

The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.



Warning on Refrigerant R290

- Failure to abide by this warning could result in an explosion, death, injury and property damage.
- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry, recognized assessment specification.
- Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.

SAFETY REGULATIONS FOR SERVICE AND REPAIR WORK

Repairs must only be carried out by authorised service personnel and only using genuine spare parts. Please follow these warnings when servicing a dehumidifier with R290.

Checks to the area

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimized. For repair to the refrigerating system, the following precautions shall be complied with prior to conducting work on the system.

Work procedure

Work shall be undertaken under a controlled procedure so as to minimize the risk of a flammable gas or vapour being present while the work is being performed.

General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.

Checking for presence of refrigerant

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. no sparking, adequately sealed or intrinsically safe.

Presence of fire extinguisher

If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO^2 fire extinguisher adjacent to the charging area.

No ignition sources

No person carrying out work in relation to a refrigeration system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. “No Smoking” signs shall be displayed.

Ventilated area

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

Checks to the refrigeration equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance.

The following checks shall be applied to installations using flammable refrigerants:

– The charge size is in accordance with the room size within which the refrigerant containing parts are installed;

– The ventilation machinery and outlets are operating adequately and are not obstructed;

– If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant;

– Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected;

– Refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

Checks to electrical devices

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.

Initial safety checks shall include:

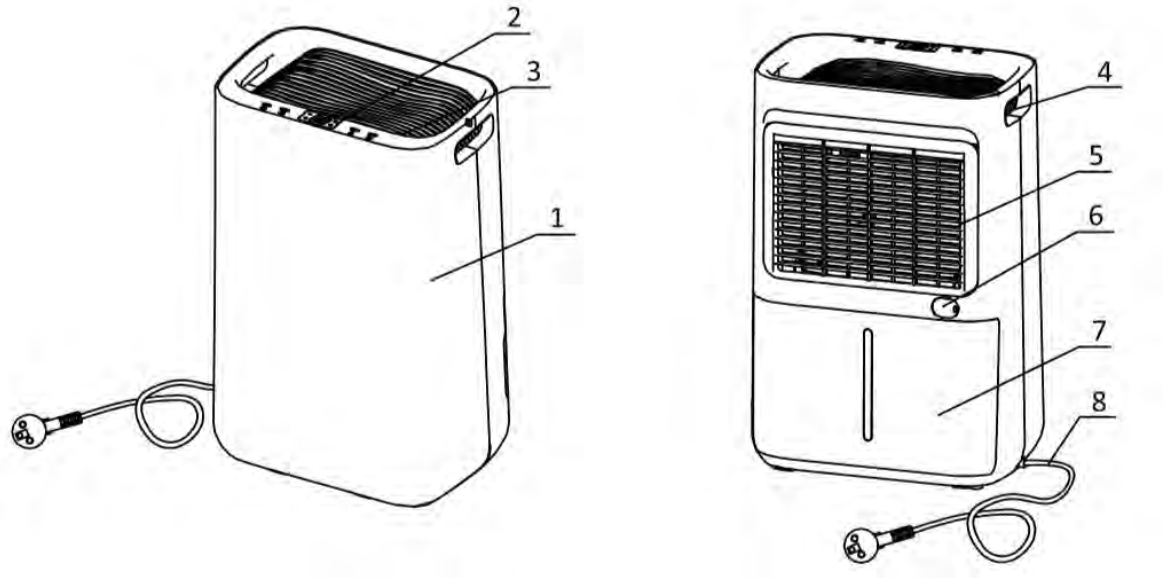
-those capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;

-that there no live electrical components and wiring are exposed while charging, recovering or purging the system;

-that there is continuity of earth bonding.

Releasing refrigerant into atmosphere is strictly forbidden!

PRODUCT DESCRIPTION



1. Front Casing
2. Control Panel
3. Air Outlet
4. Handle
5. Prefilter
6. Continuous Drainage Outlet
7. Water Tank
8. Power Cord

PLACEMENT

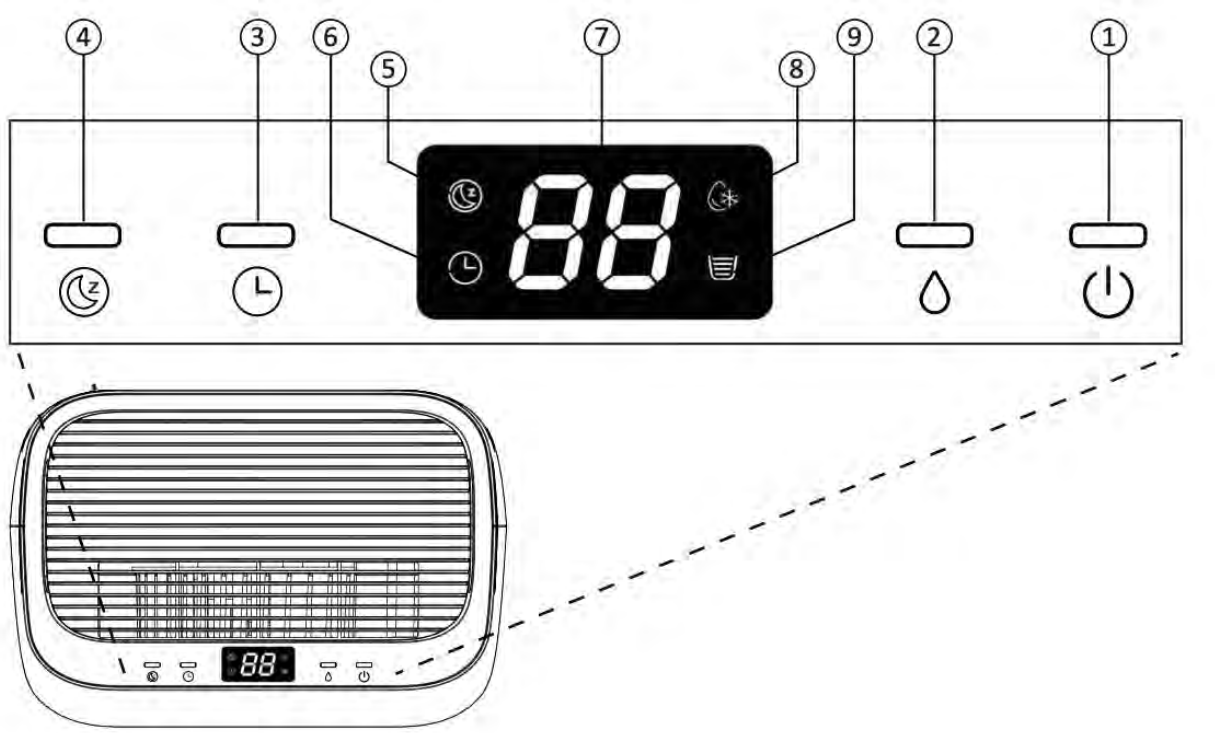
Check the dehumidifier for any transport damage. In case of damage, you should contact the seller immediately.

- Before putting the device into operation for the first time, place it in an upright position for at least 3 hours to stabilize the compressor fluids.
- Place the dehumidifier upright on a stable, flat and dry surface. If the appliance falls down, water can leak, causing damage to objects, electric shock or fire.
- Supply power should be in correspondence with the value on the nameplate, power outlet needs to be grounded.
- Do not use the device with power strip, as they may overheat and cause a fire. However, if necessary, use a good quality extension cord and first make sure that it is in excellent condition.
- Ensure the tank is correctly fitted, if the tank is full or not in place, the tank full light comes on and the dehumidifier will stop working.
- Turn on the power and run the machine as per instructions below.
- When moving the machine, make sure it is upright.
- Never place the dehumidifier near a radiator.

CONTROL PANEL DESCRIPTION

-- Touch panel

1. Power Button On/Off
2. Manual Button
3. Timer Button
4. Sleep Button
5. Sleep Mode Indicator
6. Timer Setting Indicator
7. Humidity Display
8. Defrosting Indicator
9. Tank Full Indicator



OPERATING INSTRUCTIONS

Note:

- Supply power should be in correspondence with the value on the nameplate, power outlet needs to be grounded.
- Do not use the device with power strip, as they may overheat and cause a fire. However, if necessary, use a good quality extension cord and first make sure that it is in excellent condition.
- Ensure the tank is correctly fitted, if the tank is full or not in place, the “Tank Full” indicator comes on and the dehumidifier will stop working.
- If the dehumidifier is turned off and then turned back on again immediately, it will take approximately 3 minutes to reach full power (compressor back to work).
- If the dehumidifier switched off by a power cut, it will automatically switch back on once the power is restored.
- The dehumidifier works best at normal room temperature, its efficiency is reduced if the ambient temperature falls to below 15°C.

Switching On/Off the Unit

- Connect the mains lead to socket.
- Press power button once to turn on the unit. By default, it runs on Manual Dehumidifying Mode.
- Press Power button once again to turn off the unit.

Humidity Setting Control

Press Manual button once to enter Manual Dehumidifying Mode or to select desired level of humidity from CO-30%-35%-40%-45%-50%-55%-60%-65%-70%-75%-80%-CO. When CO [Continuous Operation] is set the unit will operate continuously, regardless the relative humidity.

Note: If ambient humidity lower than 30%, display shows LO.
If ambient humidity higher than 90%, display shows HI.

KULLSAVE

The Energy Savings Smart Operation

When the target relative humidity is reached, the unit will operate only the fan in low speed for 1 minute, then will stop for 15 minutes. The fan will then run for 1 minute to check the relative humidity.

If the relative humidity has risen above the target humidity (HS)+1%, the unit will start operating again. If the relative humidity remains below the target level, the unit will fall back to sleep and only the fan works in low speed for about 1 minute and then stops for 15 minutes.

Timer Setting

At ON Mode, press timer button consecutively to select your preferred timer duration for automatic shutoff setting.
Its corresponding Timer indicator will be displayed on screen.

OPERATING INSTRUCTIONS

Sleeping Mode

At Manual Mode, press Sleeping Button once to enter Sleeping Mode. Its corresponding Sleeping indicator will be displayed on screen, 5 seconds later, other indicators will be off. At Sleeping Mode, the unit operates in low fan speed.

Note: At Sleeping Mode, press any button to wake up the unit first, then to operate as usual.

Child Lock Function

To prevent the mishandling by young children, the unit is equipped with a Child Lock function. Press “Sleep Button“ for 2 seconds to activate or deactivate the Child Lock function.

Note: After activating the Child Lock function, the LC will be displayed on screen 3 seconds later and the screen will show the current room humidity.

Automatic Shutoff

When the water tank is full during normal use, the unit shuts off automatically. The “Tank Full” indicator comes on and buzzer alarm goes off for 5 times.

Note: If water tank is removed or not placed properly, above phenomenon will appear also.

Automatic Defrost Feature

The unit is equipped with an automatic defrost feature. When room temperature drops too low, compressor shuts off and unit runs on high fan speed setting until the frost has disappeared, no other setting can be made for this feature. The “Defrosting Indicator” will light on screen.

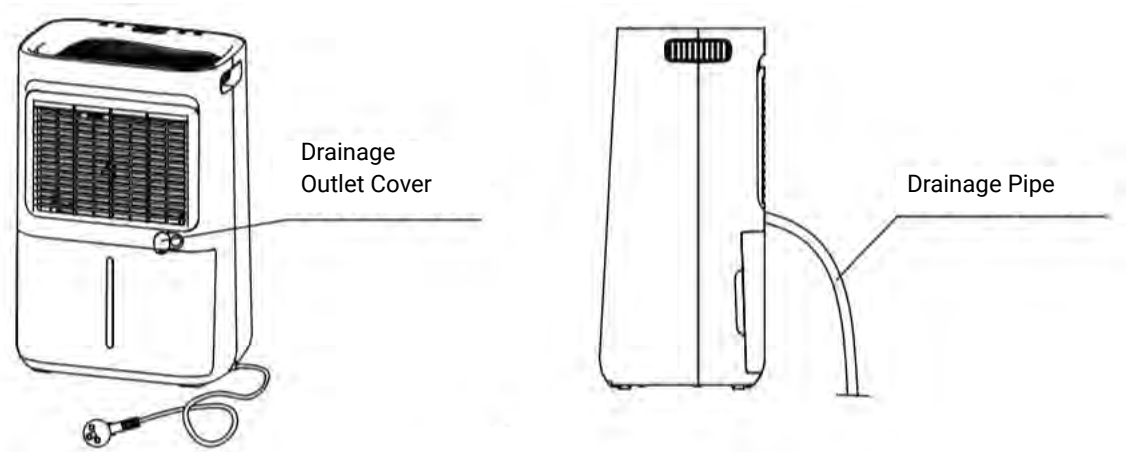
Memory Feature

When power failure and after recovering, the unit will work with the mode prior to the shutdown. Means the humidity setting and working mode setting will be kept.

Continuous Drainage Option

Continuous drainage option allows easy removal of collected water instead of manually emptying from the water tank when the environment is very high humidity:

1. Press Manual button to select the desired humidity value.
2. Remove the rubber plug covering the drain hose connection.
3. Connect a suitable drain hose (**12mm inner diameter**) through the drainage outlet.
   Ensure that the hose is secure and tight to prevent leakage.
4. Always make sure the drainage hose is not blocked or obstructed to maintain a smooth flow.



CLEANING AND MAINTENANCE

Cleaning the dehumidifier

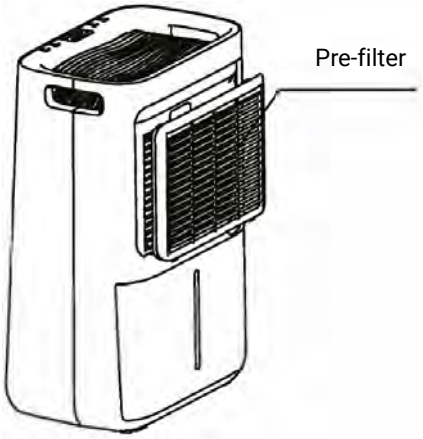
To ensure the effectiveness of the dehumidifier, it is recommended to clean the unit at least every two weeks.



1. Turn the dehumidifier off and pull out the plug before cleaning.
2. Use a soft cloth to gently wipe the outer case to remove dust.
3. Vacuum clean the air inlet and outlet grilles of the dehumidifier.
4. Remove the water tank and wash it by hand using a mild detergent. Rinse it with Clean Water.

Note: Do not spray water directly onto the unit.

Cleaning the Air Filter



1. Remove the pre-filter from the back.
2. Vacuum or wash the prefilter carefully in warm water, use a mild detergent if necessary.
3. Rinse the pre-filter in clean water and let it dry before reinserting it.
4. Fit the filter frame back onto the unit

Note: DO NOT use the dehumidifier without the Air Filter in place.
Never wash the pre-filter in the dishwasher.

STORAGE

If the dehumidifier will not be used for a long period of time, take the following steps:

1. Remove the plug from the socket and empty the tank, make the tank and the dehumidifier dry completely, this may take a couple of days.
2. Clean the air filter as described above.
3. Ensure that the dehumidifier is in perfect condition for a safe use of the unit after a long period of storage.
4. Pack the device with the suitable packaging.
5. Store the dehumidifier in a dust-free and out of direct sunlight location, preferably covered with a sheet of plastic.

TROUBLE SHOOTING

Check the following before contacting technical support.

PROBLEM	POSSIBLE CAUSE	SOLUTION
The device does not work	The power is not connected	Insert the plug into the wall outlet
	The water tank is full	Empty the tank
	The tank has not been placed correctly	Place the tank correctly
Water removal capacity is too low	Runtime is too short	Be patient and wait
	Ambient temperature or humidity is too low	It is normal that the device does not dehumidify in these conditions
The device works, but reduces the relative humidity insufficiently	The house is too big	We recommend using a dehumidifier with a greater capacity
	There is too much ventilation	Reduce ventilation (e.g. close windows and shut doors)
	The air filter is clogged	Clean the filter
	The ambient humidity level is lower than the target humidity level set	Set the target humidity lower than ambient humidity
Dehumidifier is blowing out warm air	The dried air is passed over heating coils before it is blown into the room as part of the dehumidifying process	This is normal
Unusual noises	The dehumidifier is tilted or standing on an uneven surface	Place the dehumidifier upright on a stable, flat and dry surface
	The air filter is clogged	Clean the filter
	Loose or foreign particles inside the unit	Contact technical support
	Sound of flowing refrigerant	This is normal
Water on floor	There is residual water in tank, and the device is lurched too much by moving	Be careful when moving the tank
	Water tank may be damaged	Contact technical support
	Float for water auto-sensor is not in place	Contact technical support
	Internal drainage passage is blocked or obstructed	Contact technical support

DISPLAY ERROR CODES

Please contact local distributor if any of the error codes below appears.

Display Code	Error	Solution
E1	Temperature sensor error	Contact technical support
E2	Humidity sensor error	Contact technical support

TECHNICAL SPECIFICATIONS

Model	alpha Q13L
Voltage / Frequency	220-240V~ 50Hz
Moisture Removal Capacity	13L/day (30°C 80%rh)
	7L/day (27°C 60%rh)
Rated Power	145 watts / 0.95A (27°C 60%rh)
Fan speeds	Dehumidifying
	Sleeping
Air Flow	Dehumidifying 95m³/h
	Sleeping 70m³/h
Noise level	Dehumidifying 39dB(A)
	Sleeping 35dB(A)
Water Tank Capacity	2.3L
Operating Temperature	5°C−35°C
Timer	1−24h
Refrigerant / Charge	R290 / 0.045kg
Weight	11 kg
Dimension (W×D×H)	308 x 209 x 445 mm

The above technical data are for reference only. We reserve the right to modify them without notice.

CONDITIONS OF WARRANTY

The dehumidifier is covered by a five-year (5) warranty on the compressor and a two-year (2) warranty on the remaining parts of the appliance, starting from the date of purchase.

The following apply:

- This warranty does not limit or affect the consumer's statutory rights as provided by the Greek Civil Code, Law 2251/1994, and Law 4967/2022, in accordance with Directive (EU) 2019/771.
- The activation date of the warranty is proven exclusively by the original proof of purchase (receipt or invoice).
- The warranty covers only manufacturing and material defects, as well as the cost of spare parts and labor.
- The remedy (repair or replacement) is provided to the consumer at no cost, as defined by Directive (EU) 2019/771 and Law 4967/2022. The term "no cost" includes the cost of labor and materials, and—when required—the cost of transportation necessary for the provision of the statutory warranty.
- The warranty does not imply any obligation for:
  – replacement of the entire appliance,
  – refund,
  – provision of a replacement unit during repair.
- Consumable parts (e.g., filters, cables) are not covered.
- For safe and efficient operation, regular cleaning and maintenance are recommended, as described in the product's user manual.

The warranty is void in the following cases:

– incorrect use, improper settings, or negligence
– intervention by non-authorized technicians or the user
– use of a household appliance for professional purposes
– incorrect or unsuitable installation
– absence or alteration of the serial number or proof of purchase
– use of non-approved accessories
– damage caused by dust, dirt, or foreign objects
– damage due to incorrect installation or improper handling
– damage from overvoltage, voltage drops, extreme temperatures, or external factors
– connection to an ungrounded electrical outlet
– damage caused by third-party products or materials not approved by Sani hellas

- In the event of a malfunction, the consumer must contact the official authorized Kullhaus service partner.
- Sani hellas reserves the right to determine the method, location, and timing of repairs at its discretion, depending on the specific characteristics of each case.
- For the provision of the commercial warranty beyond the statutory warranty period, the customer may be required to transport the product to the service center at their own responsibility and cost.
- Any repair or replacement of components—or, in exceptional cases and at the discretion of Sani hellas, replacement of the entire appliance—does not renew or extend the duration of the commercial warranty. The warranty remains valid until its original expiration date and is not reset for any replaced component.
- Repaired devices that remain at service centers more than 15 days after the customer has been notified may incur storage fees.

Kullhaus
BETTER AIR

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Sani hellas
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