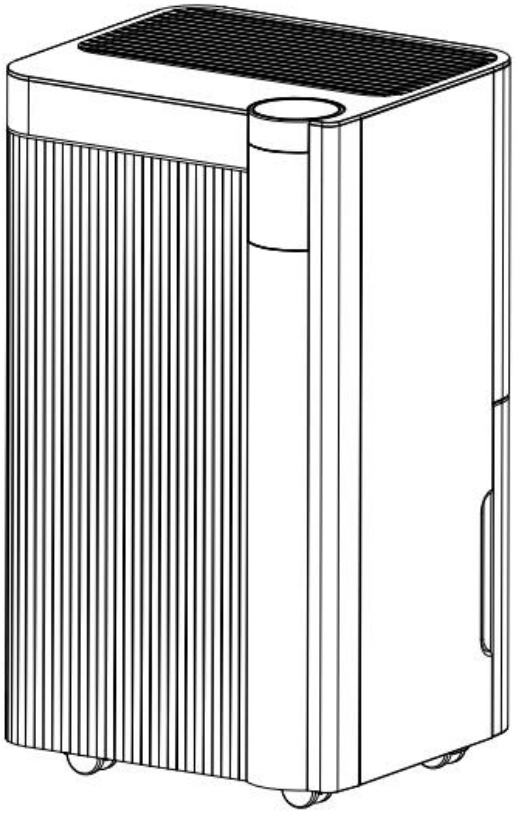
IN240600230V02_UK

821-042V70



Keep this manual safe for future reference!

Before using this appliance, ensure you read the entire manual carefully. Any questions, contact the manufacturer for assistance.

INSTRUCTION MANUAL

1. BEFORE YOU BEGIN

Read all instructions carefully before using the dehumidifier for the first time.

1.1 PRODUCT DESCRIPTION

The dehumidifier helps remove excessive moisture from the air. This protects buildings and their contents from problems caused by too much humidity.

SYMBOLS FROM THE UNIT AND USER MANUAL

	Read the USER MANUAL carefully before operation.
	Further information is available in the USER MANUAL and SERVICE MANUAL.
	Service personnel are required to carefully read the USER MANUAL and SERVICE MANUAL before operation.

1.2 SAFETY PRECAUTIONS

- This appliance is for household use only.
- Children aged eight years and above or individuals with physical, sensory or mental limitations can use this appliance under supervision and with proper instructions.
- Only a qualified technician should service the sealed refrigerant loop.
- Do not release refrigerant into the air.
- Excess moisture can collect in low areas and be circulated by fans.
- If there is any suspicion of propane gas, do not attempt to find the cause without proper training.
- Propane gas used in the unit is odourless.
- Lack of smell does not mean there is no gas leakage.
- If a leak is detected, evacuate everyone, ventilate the room and contact the fire department.
- Do not re-enter the room until a qualified technician deems it safe.
- Avoid open flames or potential ignition sources near the units, including cigarettes.
- Replace parts only with identical parts designed for propane, non-incentive and non-sparking use.

FAILURE TO FOLLOW WARNINGS CAN RESULT IN PROPERTY DAMAGE, EXPLOSION OR DEATH.





2. YOUR SAFETY

Before operating this dehumidifier, ensure you have read and understood all instructions.

2.1 OPERATIONAL PRECAUTIONS

WARNING! To reduce the risk of fire, electric shock or injury to persons or property, follow these steps:

- Damaged supply cords must be replaced by the manufacturer, its service agent or similarly qualified personnel to avoid hazards.
- Unplug the appliance during maintenance.
- Always operate the unit from a power source with the same voltage, frequency and rating as indicated on the product identification plate.
- Always use a properly grounded power outlet.
- Unplug the appliance when cleaning or when not in use.
- Never use the appliance with wet hands. Keep water out of the appliance.
- Do not immerse or expose the unit to rain, moisture or any other liquids.
- Whilst in use, do not leave the appliance unattended. Do not tilt or turn the appliance over.
- While in use, do not unplug the appliance.
- Do not unplug the appliance by pulling the power cord.
- Avoid using extension cords or adapter plugs.
- Avoid placing objects on the appliance.
- Do not climb or sit on the appliance.
- Never insert fingers or other objects into the air outlet.
- Never touch the appliance's air inlet or aluminium fins.
- Never use the appliance if it has been dropped, damaged or shows signs of malfunction.
- Avoid using chemicals to clean the appliance.
- Keep the appliance well away from fires and inflammable or explosive objects.
- Install the appliance by following national wiring regulations.
- Do not use any methods or cleaning products, which are not recommended by the manufacturer, for defrosting or cleaning.
- Store the appliance in a room where there are no continuous sources of ignition, such as open flames, operating gas appliances or electric heaters.
- Store the appliance in a way that prevents electrical damage from happening.
- Do not pierce or burn the appliance, even after use.
- Be cautious that refrigerants may be odourless.
- Protect pipework from physical damage, and do not install it in unventilated spaces smaller than 4m².
- Ensure all national gas regulations are observed and followed.
- Do not obstruct any required ventilation openings.
- Store the appliance in a well-ventilated area, ensuring the room size corresponds to the specified operating area.

Anyone working on or breaking into a refrigerant circuit must have a valid certificate from an industry-credited assessment authority, demonstrating their competency in handling refrigerants safely according to recognised assessment specifications.

Servicing should only be carried out according to the manufacturer's recommendations. Maintenance and repair, which involve the assistance of other skilled individuals, should be conducted under the supervision of someone knowledgeable about handling flammable refrigerants.

2.2.1 AREA CHECKS

Before working on systems with flammable refrigerants, safety checks must be conducted to minimise ignition risks. Before repair work on the refrigerating system, the following precautions should be taken.

2.2.2 WORK PROCEDURE

To reduce the presence of flammable gas or vapour during the job, work must be carried out following a controlled procedure.

2.2.3 GENERAL WORK AREA

All maintenance staff and individuals working in the vicinity should be informed about the nature of the work being done. Avoid working in confined spaces and ensure the area around the workspace is cornered off. Ensure the area is made safe by controlling flammable materials.

2.2.4 REFRIGERANT PRESENCE CHECK

To identify potentially flammable atmospheres, check the area with a suitable refrigerant detector before and during work. Use leak detection equipment that is compatible with flammable refrigerants, ensuring it is spark-free, properly sealed or intrinsically safe.

2.2.5 FIRE EXTINGUISHER AVAILABILITY

If any hot work is to be performed on the refrigeration equipment or associated parts, appropriate fire extinguishing equipment must be available. Place a dry powder or CO2 fire extinguisher near the charging area.

2.2.6 NO IGNITION SOURCES

When working on a refrigeration system involving exposed pipework that contains or has contained flammable refrigerant, no person should use any ignition sources that may lead to fire or explosion. Keep all possible ignition sources, including smoking, away from the installation, repair, removal and disposal areas where flammable refrigerant may be released. Display 'No Smoking' signs.

2.2.7 VENTILATED AREA

Before breaking into the system or conducting hot work, ensure the area is open or properly ventilated.

2.2.8 EQUIPMENT CHECKS

When changing electrical components, ensure they are suitable for the purpose and meet the correct specifications. Always follow the manufacturer's maintenance and service guidelines. Contact the manufacturer’s technical department if in doubt.

The following checks should be conducted for installations using flammable refrigerants:

– The charge size is appropriate for the room size where the refrigerant-containing parts are installed.

– The ventilation machinery and outlets are functioning correctly and not blocked.

– If an indirect refrigerating circuit is used, check for the presence of refrigerant in the secondary circuit.

– Ensure that equipment markings remain visible and legible. Correct any illegible markings or signs.

– Install refrigeration pipes or components in positions where they are unlikely to be exposed to substances that could corrode the refrigerant-containing components, unless the components are made of corrosion-resistant materials or adequately protected against corrosion.

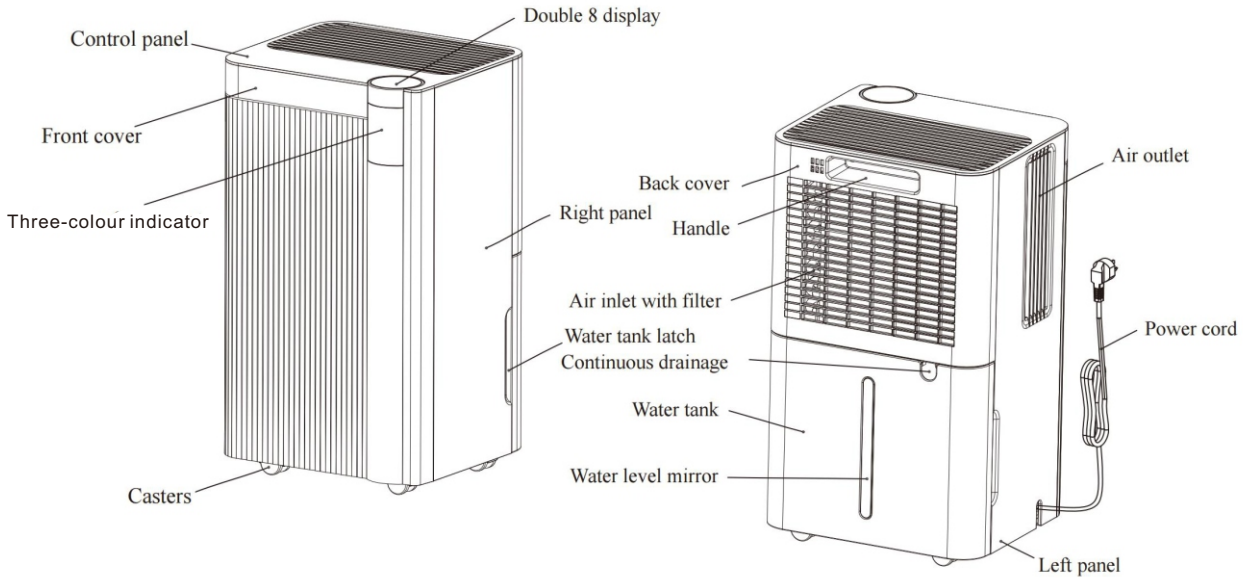
2.2.9 ELECTRICAL DEVICE CHECKS

Repair and maintenance of electrical components should include initial safety checks and component inspections. If a fault is detected that compromises safety, do not connect the electrical supply until the issue is resolved. If immediate correction is not possible but operation needs to continue, use a suitable temporary solution. Report this to the equipment owner to keep all parties informed.

Initial safety checks include:

- Discharging capacitors in a safe manner to prevent sparking.
- Ensuring that no live electrical components or wiring are exposed during charging, recovering or purging the system.
- Checking continuity of earth bonding.

3. PRODUCT OVERVIEW

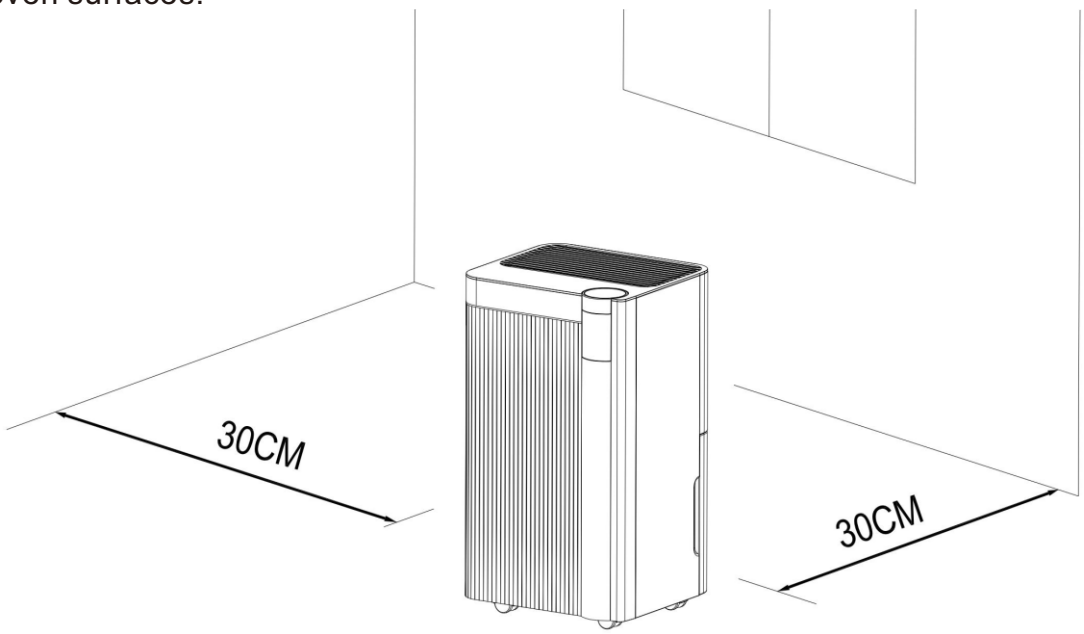


4. INSTALLATION

4.1 LOCATION

1. Place the unit on a firm and level surface, ensuring there is at least 30cm of free space around it for proper air circulation.
2. Avoid installing the unit in the following conditions:

- Near radiators, heat registers, stoves or other heat-producing appliances.
- Where oil or water splashing is possible.
- Direct sunlight exposure.
- Areas prone to mechanical vibration or shock.
- Excessively dusty environments.
- Lack of proper ventilation, such as inside a cabinet or bookcase.
- Uneven surfaces.



WARNING

Install the unit in rooms larger than 4 m².
Do not install the unit in an area where flammable gas may leak.

NOTE

The manufacturer may provide other suitable examples or additional information regarding the refrigerant odour.

4.2 OPERATING THE DEVICE SAFELY

- When unpacking, check the appliance for any damages or scratches.
- Operate this appliance within an ambient temperature range of 5-35°C.
- Use the dehumidifier indoors only; do not use it outdoors.
- Maintain a sufficient distance from walls, curtains or any objects that may obstruct the inlet and outlet.
- Ensure the air inlet and outlet are free from obstacles.
- Before starting the unit, adjust the wind deflector in an upward direction.
- If the appliance is tipped more than 45°, allow it to sit upright for at least 24 hours before operating.

- Keep doors and windows closed for energy efficiency.
- Avoid exposing the appliance to direct sunlight or rain.
- During hot days, it is normal for the air outlet to feel warm to the touch during continuous operation.
- Empty the water tank before moving the device.
- Ensure the water tank is correctly filled; otherwise, the appliance will not operate properly.
- The dehumidifier will start up in the last mode selected during previous use.
- If the room humidity is 3% higher than the selected humidity, the appliance will start dehumidifying.
- The compressor has a protective three-minute time delay. Wait for three minutes for the dehumidifier to resume dehumidification.

5. OPERATION

5.1 CONTROL PANEL



Power

Turn on the machine by pressing the power button – the running indicator will light up and the fan will run at the default high speed, with the default humidity setting of 50%. When the appliance is operating, press the power button to turn it off – the indicator light will turn off and the compressor will stop immediately. The fan will shut down after a 30-second delay.

Mode button

To switch between Auto mode and Continuous mode, press the mode button. Each time you press it, the mode will switch from one to the other – the corresponding indicator will light up.

- **Auto mode:** When the humidity in the environment is 3% higher than the set humidity, the fan starts working. After three seconds, the compressor starts working. When the humidity in the environment is 3% lower than the set humidity, the compressor stops working. After a 30-second delay, the fan also stops working. You can adjust both the fan speed and the humidity setting in Auto mode.
- **Continuously dehumidify mode:** In this mode, the machine continuously runs at a high fan speed. You can adjust the fan speed, but you cannot adjust the humidity setting.

- **Sleep mode:** In this mode, the target humidity is set to 60%. If there is no operation for 10 seconds, except for the sleeping mode indicator light, all other lights and the display screen will turn off.

When room humidity is 57% or lower, the compressor and fan will stop working.

When the humidity in the room is 63% or higher, the fan and compressor will start working.

In sleep mode, if the water tank becomes full, the machine will not produce an alarm sound. However, the water tank full indicator light will turn on (red colour) to remind you that the water tank needs to be emptied.



Timer button

- Press the timer button to set, check or cancel the timer.
- In the non-timing state: Press the timer button to enter the timer setting state. The digital screen will flash, displaying the timer. During the flashing period, use the adjustment button to set the desired time (from 0-24 hours).
- In the timing state: Press the timer button and the digital screen will flash, showing the remaining time. Press the timer button again during the flashing period to cancel the setting.



Fan Speed button

Press this button to switch between high and low fan speed. The corresponding indicator light will turn on. Fan speed adjustment is only available in Auto mode.



Set button

- Press this button to set the humidity and timer.
- For humidity adjustment: Press once to increase the humidity setting by 5%. The humidity adjustment follows the order: 30% - 35% - 40% - 45% - 50% - 55% - 60% - 65% - 70% - 75% - 80% - 30% (cycle).
- For timer adjustment: Press once to add one hour to the timer value. The timer follows the order: 00 – 01 – 02 – 03 – 04 – 05 – 06 – 07 – 08 – 09 – 10 – 11 – 12 – 13 – 14 – 15 – 16 – 17 – 18 – 19 – 20 – 21 – 22 – 23 – 24 - 00 (cycle).



Lock

- Press and hold this button for three seconds to activate the lock function. The indicator light will turn on – you will not be able to operate other buttons except for this one. Press and hold the button for three seconds again to deactivate the lock function. The indicator light will turn off.

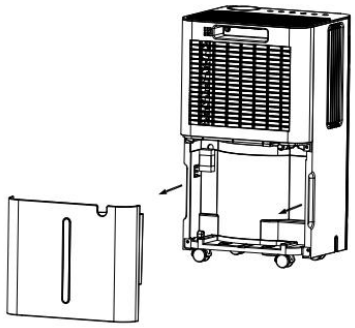
3 Colour digital display (on top of the dehumidifier):

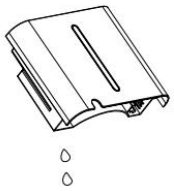
- When the ambient humidity is 45% or below, the display shows blue.
- When the ambient humidity is between 45-65%, the display shows green.
- When the ambient humidity is 65% or above, the display shows red.

DRAINAGE:

EMPTYING THE WATER TANK

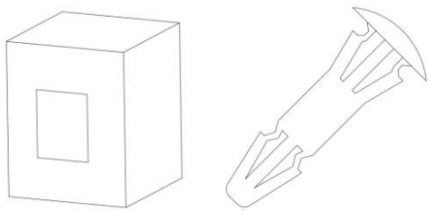
- When the tank is full, the appliance will make a buzzing sound – the 'Water Full' light will turn on.
- Press the power button to turn off the unit.
- Pull the water tank and slide it out of the body of the dehumidifier.
- Empty the water into a drainage area or outside.
- Clean both the inside and outside of the water tank.
- Place the empty tank back into the unit.
- Press the power button to resume operation.
- If the 'Water Full' light does not turn off, make sure the float is correctly in place.





Warning

1. Do not dispose of the water tank magnets and plastic rivets. Otherwise, the machine will not automatically stop working when the water tank is full – the condensed water may overflow, causing damage to the floor.



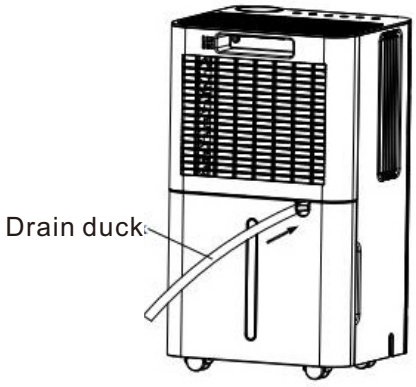
2. Before resetting the working mode of the machine, make sure to clean the condensed water in the water tank.

3. If the water tank is dirty, rinse it with clean water. Avoid using detergents, steel balls, chemical dust removers, diesel oil, diluents and other solvents. Using these substances can damage the water tank and cause leaks.
4. Ensure the empty water tank is properly placed in the unit. Failure to do so may result in the 'Water Full' indicator remaining red and the machine unable to start.

CONTINUOUS DRAINING

For continuous operating or unattended dehumidification, you can connect the included drain hose to the unit. The condensate water will flow automatically into a drainage bucket or drain by gravity.

1. Straighten the drain hose.
2. Insert one end of the drain hose into the cistern hole, then connect the other end to a bathroom drain, outdoor drain, a bucket-like container or the designated drainage area.



Warning

1. Do not block the drain or drainpipe. If the drain is blocked, the condensed water will flow into the water tank instead.
2. Do not bend the drainpipe. The height of the drainpipe should be lower than the outlet.
3. Ensure the drainpipe is securely connected to the outlet.

MAINTENANCE

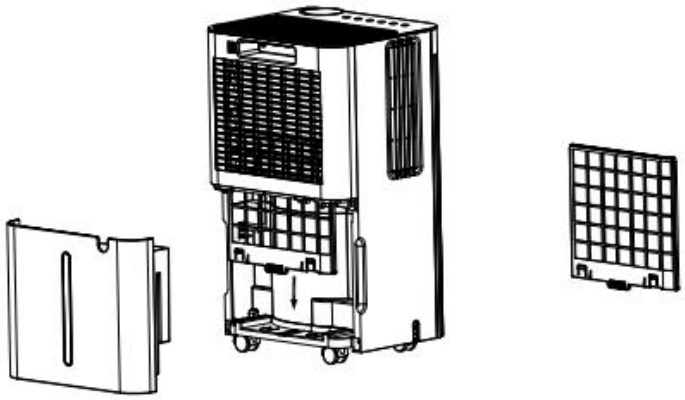
Note: Before cleaning and maintaining the appliance, turn off the machine and unplug the power cord to prevent electric shock.

Ÿ CLEANING THE AIR FILTER (every two weeks)

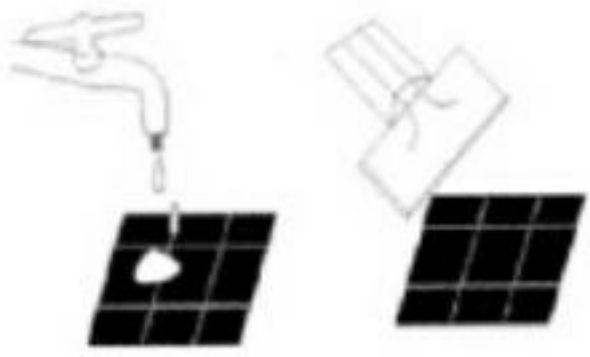
Dust collects on the filter and restricts airflow. This can reduce the efficiency of the system and potentially cause damage to the unit.

The air filter requires regular cleaning. It is removable for easy cleaning. Do not operate the unit without an air filter, as it may contaminate the evaporator.

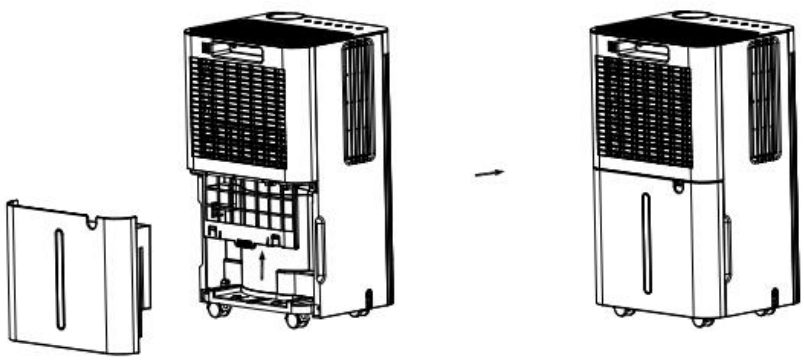
1. Remove the water tank from the body, then pull out the filter from the bottom of the rear shell.



2. Use a vacuum cleaner to gently remove the dust from the surface of the filter. If the filter is very dirty, wash it with water and a soft detergent, then thoroughly dry it afterwards.



3. Put the filter back.



TROUBLESHOOTING

Note: Before cleaning and maintaining the appliance, turn off the machine and unplug the power cord to prevent electric shock.

1. FUNCTIONING TEMPERATURE

- The dehumidifier operates within a specific temperature range: 5-35°C.
- If the ambient temperature is lower or higher than this range, the dehumidifier will stop operating.
- When the ambient temperature is between 5-16°C, the compressor will automatically defrost at intervals. During defrosting, the compressor stops while the fan continues to run.

2. BEFORE CALLING FOR SERVICE

Before calling for professional service, review the troubleshooting table below:

Problem	Possible Cause	Solution
Appliance not working.	No power supply.	Connect to a functioning outlet and switch the appliance on.
	The 'Water Full' indicator is flashing.	- Drain the water tank and reset it. - Reposition the water tank, ensuring it is properly placed.
	Room temperature is between 5-35°C.	When in these temperatures, the self-protection function is activated to protect the appliance.
Appliance not functioning properly.	Clogged air filter.	Clean the air filter as instructed.
	The intake duct or discharge duct is obstructed.	Ensure the discharge duct and intake duct are clear.
No air intake	The filter is clogged.	Wash the filter.
The appliance makes a loud noise when running.	The appliance is on an uneven surface.	Place the appliance on a flat and level surface.
	Clogged filter.	Wash the filter.
E1	A problem with the humidity sensor.	Change the sensor.
LO	Environmental humidity is below 20%.	The dehumidifier shuts down for self- protection.
CL	The environmental temperature is below 5 ; the low-temperature protection is activated.	
CH	The environmental temperature is above 38 ; the high-temperature protection is activated.	

DECOMMISSIONING

STORAGE

Long-term storage: If you are not using the appliance for extended periods (more than a few weeks), clean it and dry it out completely.

To store the appliance, follow these steps:

1. Turn off and unplug the appliance.
2. Drain the remaining water from the unit.
3. Clean the filter and let it dry completely in a shaded area.
4. Place the power cord in the tank.
5. Reinstall the filter in its correct position.
6. Ensure the appliance is kept upright when in storage.
7. Store the appliance in a ventilated space indoors, away from corrosive gas.

ATTENTION:

Before packing the appliance, ensure the evaporator inside the machine is dried out to avoid component damage and mould. Unplug the appliance and place it in a dry and open area, allowing it to dry out. You can also dry the unit by setting the humidity point to more than 5% higher than the ambient humidity. Leave it for a few hours – the fan will dry the evaporator.

DISPOSAL



WARNING!

Releasing refrigerant into the atmosphere is strictly forbidden!

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

If you have any questions, please contact our customer care centre.
Our contact details are below:

0044-800-240-4004

enquiries@mhstar.co.uk

IMPORTER ADDRESS:
MH STAR UK LTD
Unit 27, Perivale Park,
Horsenden lane South
Perivale, UB6 7RH
MADE IN CHINA

Aosom