

CLARIFICE®

air



DEHUMIDIFIER

MODEL NO: CD1970

Part No: 6470627

USER INSTRUCTIONS



0306

Thank you for purchasing this CLARKE Dehumidifier, which is designed for use in a domestic and small office environment only.

Please read this instruction leaflet thoroughly and follow the instructions carefully, in doing so you will ensure the safety of yourself and that of others around you, this will also ensure that the dehumidifier will give you long and satisfactory service.

Please keep these instructions in a safe place for future reference.

CLARKE GUARANTEE

This CLARKE product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

CONTENTS

Guarantee	1
Safety Precautions	2
Electrical Connections	3
Technical Specification	4
Parts Description	5
Setup & Operation	7
Maintenance	11
Trouble Shooting	12
Parts List	13



Waste electrical products should not be disposed of with household waste. Please dispose of at your local recycling facility.

Please Note that details and specifications herein, are correct of time of going to print.
However CLARKE International reserve the right to change specifications at any time without prior notice.
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SAFETY PRECAUTIONS

WARNING:

PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE OPERATING

This appliance is intended for domestic and light office use **ONLY**. Any other use is not recommended by the manufacturer and may cause fire, electric shocks or other injury to person or property.

- ALWAYS keep the unit in an upright position to avoid damage to the cooling system, locate on a flat stable surface.
- DO NOT place the unit close to curtains or other objects (min. distance 0.5M).
- ALWAYS ensure that the air inlets and outlets are NOT blocked or covered.
- Operate this unit in an ambient temperature of between 2°C and 39°C.
- When operating in laundry mode keep clothing a safe distance from the unit to prevent water from dropping in.
- NEVER place anything on top of the unit and DO NOT cover with any kind of material while in use.
- This product is intended for domestic and small office use **ONLY** and NOT for commercial, industrial or outside use.
- To protect against electric shocks, DO NOT immerse unit, plug or cord in water or spray with liquids.
- DO NOT operate the unit if the cord or plug becomes damaged, return to an authorised service facility for examination and repair.
- ALWAYS switch the unit OFF before unplugging from the mains supply, failure to do so could cause damage to the electronics in the unit.
- ALWAYS empty the water tank before storing the unit away.
- ALWAYS unplug the unit from the supply when not in use, when emptying the water tank, and when moving to a new location.
- NEVER pull the cord to disconnect the unit from the power supply, always grip the power plug and pull from the socket.
- ALWAYS supervise children and pets when any appliance is present.
- DO NOT run the power cord under carpeting, or cover with rugs or runners. Arrange the cord away from areas where it may be tripped over.
- NEVER operate or store the unit in direct sunlight.
- ALWAYS take the unit to a qualified service engineer for repair. Repairs carried out by unqualified people may cause damage to the unit or injury to persons or property and void the warranty.

SAFETY PRECAUTIONS CONTINUED

- DO NOT use the unit without the AIR FILTER.
- Check the household voltage to ensure it matches the units rated specification before operating.

ELECTRICAL CONNECTIONS

This product is provided with a standard 13 amp, 230 volt (50Hz) BS1363 plug, for connection to a standard, domestic electrical supply. Should the plug need replacing at any time, ensure that a plug of identical specification is used.

WARNING:

Should it ever be necessary to change the plug, the wires in the mains lead should be wired according to the following colour code:

BLUE - NEUTRAL
BROWN - LIVE
GREEN & YELLOW - EARTH

- Connect the BLUE coloured wire to the plug terminal marked with a letter 'N' or coloured BLACK.
- Connect the BROWN coloured wire to the plug terminal marked with a letter 'L' or coloured RED.
- Connect the GREEN & YELLOW coloured wire to the plug terminal marked with a letter 'E' or  or coloured GREEN or GREEN & YELLOW.

IMPORTANT!:

If this appliance is fitted with a plug which is moulded on to the electrical cable (i.e. non-rewireable) please note:

- The plug **MUST** be thrown away if it is cut from the electric cable. There is a danger of electric shock if it is subsequently inserted into a socket outlet.
- **NEVER** use the plug without the fuse cover fitted.
- Should you wish to replace a detached fuse carrier, ensure that the correct replacement is used (as indicated by marker or colour code).
- The fuse in the plug **MUST** be replaced with one of the same rating (**13amps**) and this must be approved to BS1362.

IMPORTANT!:

If in any doubt, **DO NOT** attempt any electrical repair yourself. Consult a qualified technician.

TECHNICAL SPECIFICATION

Description:

Model No: CD1970

Part No: 6470627

Use: Domestic/small office

Product Specification:

Operating Voltage: 230V

Motor Wattage: 420W

Operating Temperature: 2°C - 39°C

Max Extraction Rate: 20 Litres/Day

Tank Capacity: 4.6 Litres

Dimensions & Weights:

Product: (length x width x height) 262 x 374 x 544mm

Weight: 16Kg (gross) 14.2Kg (nett)

Clarke[®]
INTERNATIONAL

PARTS DESCRIPTION

FRONT VIEW

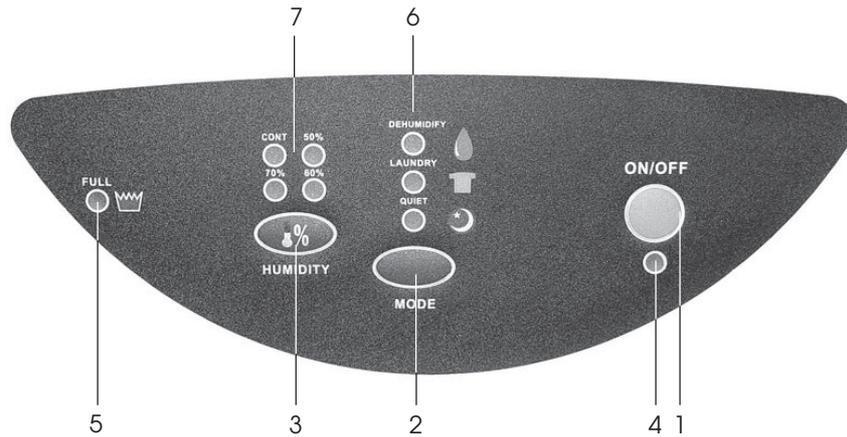


REAR VIEW



PARTS DESCRIPTION CONTINUED

CONTROL PANEL



1. ON/OFF Button.

In stand-by mode, pressing the ON/OFF button will start the unit and pressing the button again will switch it off.

2. MODE Button.

When the mode button is pressed the unit will cycle through the operational modes: - Dehumidify - Laundry - Quiet. The corresponding indicator light will illuminate (6).

3. HUMIDITY Button.

When the humidity button is pressed the humidity in the room can be automatically set. Four choices are available: 50%, 60%, 70% and Continuous. The corresponding relative humidity (RH) indicator light will illuminate to show the current setting (7).

Humidity Indication Light	Range of RH
50%	Less than 60%
60%	60% and over, but less than 70%
70%	Over 70%

When the unit is turned ON continuous dehumidifying is automatically selected. In this mode the unit will automatically turn OFF when the water tank is full or the power is turned OFF.

4. ON/OFF Power Indicator light.

When power to the unit is switched ON, this light will illuminate.

5. FULL Indicator light.

When this light flashes it indicates that the water tank is full or is incorrectly installed. Pull the tank out and empty if it is full, or reinstall the tank if it has been installed incorrectly.

SETUP AND OPERATION

OPERATIONAL PROCEDURES

1. Before Operating

If the unit has been stored/moved laying down, leave it to stand in an upright position for two hours before operating.

2. Connect The Power

Insert the mains plug into the power socket and switch the socket ON. When power is properly connected the power indicator light on the control panel will illuminate.

3. Open the Air Outlet Manually

BEFORE the dehumidifier is switched ON the air outlet MUST be opened. There are six different angles to choose from.



4. Change the Operational Mode

Press the ON/OFF button and the unit will automatically start in continuous dehumidifying mode.

DEHUMIDIFIER MODE: Press the mode button until the indication light for this mode is lit. The unit will start dehumidifying and the air outlet volume will be at the 'moderate' level.

LAUNDRY MODE: Press the mode button until the indication light for this mode is lit. The unit will start dehumidifying and the air outlet volume will be at 'high' level, which is suitable for high dehumidification or drying clothes and other articles.

QUIET MODE: Press the mode button until the indication light for this mode is lit. The unit will start dehumidifying and the air outlet volume will be at 'low' level, which reduces the noise of the dehumidifier. (In high temperature and humidity conditions this mode should not be used).

NOTE: When the ambient temperature is below 10°C a protection device in your dehumidifier will operate. This engages the electronic defrost program. The unit will now only operate in dehumidifier mode with the fan speed at high level. The compressor will operate intermittently by switching on for 40 minutes and switching off for 10 minutes. The mode cannot be changed until the ambient temperature rises above 10°C. This program will also come into operation when the temperature rises above 35°C, in order to prevent the compressor from overheating.

5. Switch Off

While the dehumidifier is switched on, press the ON/OFF button. The dehumidifier will stop operating.

NEVER unplug the dehumidifier without first switching it OFF at the control panel.

SETUP AND OPERATION CONTINUED

WATER TANK EMPTYING

If the water tank is full (approx. 4.6 litres), the indicator light on the control panel will be lit and the unit will automatically stop operating.

1. Switch the unit OFF on the control panel and then switch it OFF at the wall socket. Take out the water tank by gently pressing the two top edges inwards:



2. Hold the handle and carefully pull the water tank out:



3. Carefully empty the water from the tank:



SETUP AND OPERATION CONTINUED

4. To reinstall the water tank push it back to its original position.

NOTE: the unit will not function if the tank is incorrectly installed.



5. DO NOT Remove the float or sensor in the water tank, they are used to monitor the water level. Damage to the float or sensor may cause the tank to overflow.

NOTE: If the water tank is dirty ONLY clean it with cold or lukewarm water. DO NOT use cleaning detergents, sprays or other chemicals as they will damage the tank and cause it to leak.



CONTINUOUS WATER DRAINAGE

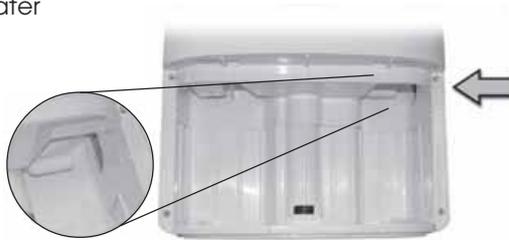
This unit is equipped with a water outlet for continuous drainage. Use a water tube with a outer diameter of 15mm. ALWAYS unplug the unit before attempting to install a drain.

1. Remove the water tank and open the water outlet for continuous drainage. Use a pair of cutters or a similar tool to carefully cut open the water outlet on the side of the unit.



SETUP AND OPERATION CONTINUED

2. Insert the drain hose into the water outlet opening. Pass the water hose through the outlet opening and firmly push it into the water outlet of the main unit. DO NOT block the hose.



3. Place the water tank back in its original position. Make regular checks when the hose is first installed to ensure that it is properly connected and there is no blockage.

NOTE: Always position the angle of the hose downward.

MOVING THE DEHUMIDIFIER

Empty the water tank BEFORE moving the unit. Remember to leave adequate room around the unit for ventilation. Lift the handle and tilt the unit so that it can easily be moved on the rear wheels. Take care when rolling the dehumidifier across floors where the wheels could cause damage i.e. thick pile carpets, wooden floors etc. If in any doubt carry the dehumidifier by the handle.



MAINTENANCE

ALWAYS Turn the unit OFF and disconnect from the power supply before proceeding with any cleaning or servicing.

To clean the unit use a soft cloth to wipe off any dust. If the unit is very dirty use a damp cloth and wipe dry. DO NOT use any cleaning detergents, sprays or other chemicals as they will damage the unit.

CLEANING THE AIR FILTER

The air filter should be cleaned once every two weeks.

1. Take off the air filter:

Press down the clips on the top of the air filter to remove the air filter. There is an active carbon filter screen attached behind the air filter. Remove the active carbon filter screen.



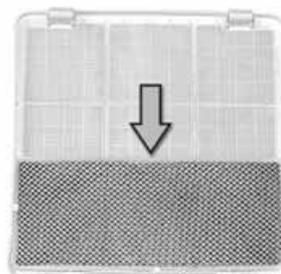
2. Clean the air filter

Use a vacuum cleaner hose attachment to clean the dust off the surface of the filter. If the filter is dirty you may use lukewarm water or a neutral detergent solution to clean it. After cleaning, thoroughly dry the filter. The active carbon screen cannot be cleaned. You may replace as required.



3. Reinstall the air filter

Place the active carbon filter back into its original position behind the air filter. Locate the clips at the bottom of the air filter back into the dehumidifier unit and press the filter into position until the lugs at the top clip back into their original position.



TROUBLE SHOOTING

PROBLEM: The unit does not turn ON.

CAUSE:	TROUBLE SHOOTING:
Is the power cable disconnected?	Plug in the power cable correctly.
Is the full indication light ON? (the water tank is full, or the water tank is not correctly installed).	Empty the water tank and ensure that it is correctly installed.
Is the ambient temperature above 39°C or below 2°C.	The built in protective device is in operation, this prevents damage occurring in adverse environmental conditions. Do not use the unit in such environments.
Has the fuse in the mains plug blown?.	Replace the fuse with one of the same rating.

PROBLEM: The dehumidification is not functioning.

CAUSE:	TROUBLE SHOOTING:
Is the air filter blocked?	Clean the air filter.
Is the air outlet blocked?	Remove the blocking material from the air outlet.

PROBLEM: No air is discharging from the unit.

CAUSE:	TROUBLE SHOOTING:
Is the air filter blocked?	Clean the air filter.

PROBLEM: Noisy operation.

CAUSE:	TROUBLE SHOOTING:
Is the unit properly installed? Is it tilted or unstable?	Place the unit on a firm base.
Is the air filter blocked?	Clean the air filter.

PROBLEM: The fan motor runs but the compressor is not activated

CAUSE:
If the unit is switched on within 3 minutes after the power is turned off, the protective device of the unit will operate. The compressor will be automatically re-activated after a 3 minute delay.

TROUBLE SHOOTING CONTINUED

PROBLEM: Unit is in laundry mode and will not manually change to any other mode.

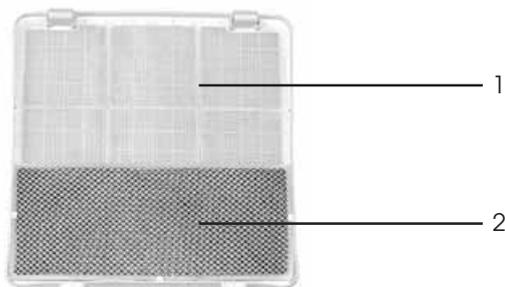
CAUSE:

(This condition can occur when the ambient temperature is below 10°C or is above 35°C).

When the ambient temperature is below 10°C a protection device in your dehumidifier will operate. This engages the electronic defrost program. The unit will now only operate in dehumidifier mode with the fan speed at high level. The compressor will operate intermittently by switching on for 40 minutes and switching off for 10 minutes. The mode cannot be changed until the ambient temperature rises above 10°C. When the temperature is above 35°C this program will come into operation to protect the compressor from overheating.

PARTS LIST

ITEM:	DESCRIPTION:	PART NO:
1.	Air Filter	EH197001
2.	Active Carbon Filter	EH197002



WARNING: The use of spare parts or accessories, other than those supplied by CLARKE international or one of its recognised dealers, may be hazardous and could invalidate the guarantee.