

Clarke®

air



30 LITRE DEHUMIDIFIER

MODEL NO: YDH30

PART NO: 6470684

OPERATION & MAINTENANCE INSTRUCTIONS



LS0117

INTRODUCTION

Thank you for purchasing this CLARKE product.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required 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.

ENVIRONMENTAL PROTECTION



Through purchase of this product, the customer is taking on the obligation to deal with the WEEE in accordance with the WEEE regulations in relation to the treatment, recycling & recovery and environmentally sound disposal of the WEEE.

In effect, this means that this product must not be disposed of with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

R134a is a refrigerant that complies with EEC environmental standards; nonetheless, the refrigerant circuit on the machine should not be punctured. At the end of its working life, consign the air conditioning unit to a special collection centre.

SAFETY WARNINGS



WARNING: IF THE SUPPLY CABLE IS DAMAGED, IT MUST BE REPLACED BY THE MANUFACTURER, ITS SERVICE AGENT OR SIMILARLY QUALIFIED PERSONS IN ORDER TO AVOID A HAZARD.

1. Please read these instructions carefully and retain for future reference.
2. Position the mains cable so that it cannot be inadvertently pulled or pinched and where it does not cause a trip hazard.
3. This appliance is designed to dehumidify residential environments and must not be used for any other purposes.
4. If the appliance requires repair, always contact your CLARKE dealer. Always insist on original spare parts. Repairs carried out by unauthorized persons may be dangerous and invalidate the guarantee.
5. Do not use extension power cables.
6. Before cleaning or maintenance operations, always unplug the appliance from the power supply.
7. Do not move the appliance by pulling the power cable.
8. Do not install the appliance in rooms containing gas, oil or sulphur. Do not install near sources of heat.
9. Do not use the appliance on inclined surfaces.
10. Keep the appliance at least 50 cm away from curtains, inflammable substances (alcohol etc) or pressurised containers (e.g. aerosol cans).
11. Do not rest heavy or hot objects on top of the appliance.
12. Always transport the appliance upright or resting on one side. Remember to drain the tank before moving the appliance.
13. Wait at least 1 hour after transporting the appliance before using it to allow the refrigerant gasses to settle.
14. Do not use the appliance outdoors.
15. Do not obstruct the air inlet or outlet.
16. Take care when handling water near electrical appliances.
17. Make sure that the air inlets/outlets are not covered and that the filters are in place.

ELECTRICAL CONNECTIONS



WARNING: READ THESE ELECTRICAL SAFETY INSTRUCTIONS THOROUGHLY BEFORE CONNECTING THE PRODUCT TO THE MAINS SUPPLY.

Before switching the product on, make sure that the voltage of your electricity supply is the same as that indicated on the rating plate. This product is designed to operate on 230VAC 50Hz. Connecting it to any other power source may cause damage.


This product may be fitted with a non-rewireable plug. If it is necessary to change the fuse in the plug, the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a suitable replacement is obtained.

If the plug has to be changed because it is not suitable for your socket, or due to damage, it should be cut off and a replacement fitted, following the wiring instructions shown below. The old plug must be disposed of safely, as insertion into a mains socket could cause an electrical hazard.

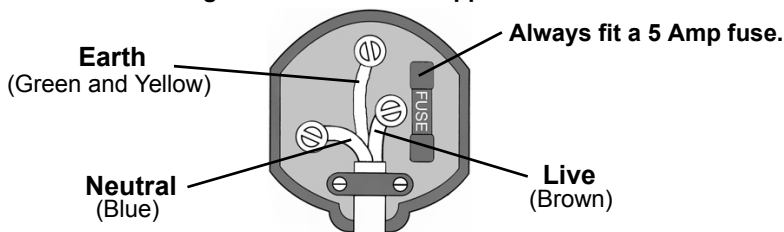


**WARNING: THE WIRES IN THE POWER CABLE OF THIS PRODUCT ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:
BLUE = NEUTRAL BROWN = LIVE YELLOW AND GREEN = EARTH**

If the colours of the wires in the power cable of this product do not correspond with the markings on the terminals of your plug, proceed as follows.

- The wire which is coloured **Blue** must be connected to the terminal which is marked **N** or coloured **Black**.
- The wire which is coloured **Brown** must be connected to the terminal which is marked **L** or coloured **Red**.
- The wire which is coloured **Yellow and Green** must be connected to the terminal which is marked **E** or  or coloured **Green**.

Plug must be BS1363/A approved.



Ensure that the outer sheath of the cable is firmly held by the clamp

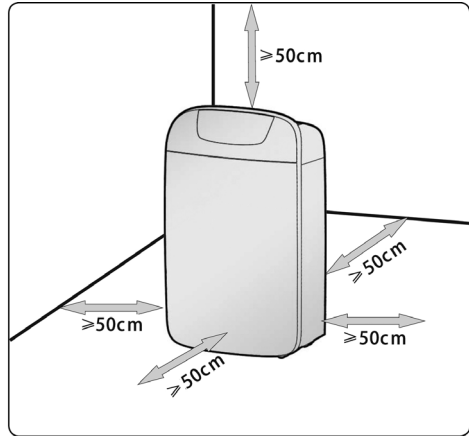
We strongly recommend that this machine is connected to the mains supply via a Residual Current Device (RCD)

If in any doubt, consult a qualified electrician. DO NOT attempt any repairs yourself

BEFORE USE

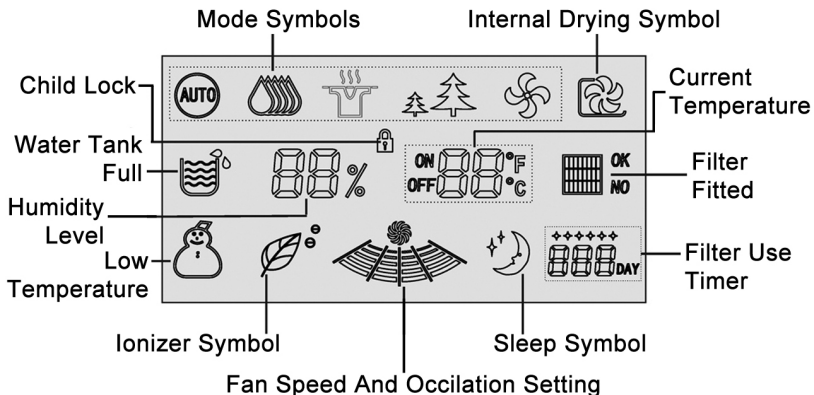
LOCATING THE DEHUMIDIFIER

- Position the dehumidifier close to a mains supply socket.
- Free space as shown must be left around the dehumidifier, so as not to block the air flow.
- Make sure that the power cable is not placed where it can be inadvertently pulled or pinched and where it does not cause a trip hazard.

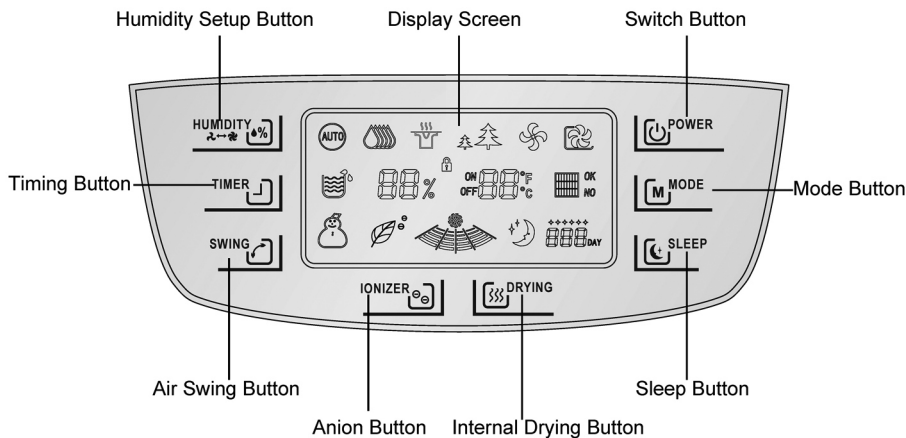










- Do not place the dehumidifier next to a radiator or other heat source as this will reduce the performance of your dehumidifier.
- To maximise efficiency, do not open any doors or windows during use.
- **Wait at least 1 hour after transporting the appliance before using it to allow the refrigerant gasses to settle.**

DISPLAY SCREEN



CONTROL PANEL



	<p>Used to adjust the humidity setting from 40% - 70% (default 50%).</p>		<p>Turns the dehumidifier on or off.</p>
	<p>Set the number of hours until the dehumidifier is turned on or off.</p>		<p>Selects the operating mode also activates the child lock.</p>
	<p>Starts or stops the swing function.</p>		<p>Ultra quiet fan mode, ideal for overnight use.</p>
	<p>Activate the ionizer function.</p>		<p>Activate the internal drying function.</p>

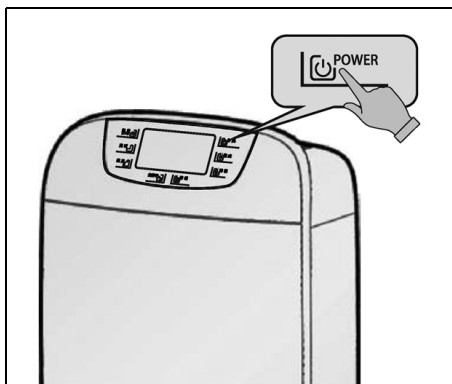
TO CHANGE THE DISPLAY UNITS FROM °F TO °C.

Press the Humidity and Timer buttons at the same time.

OPERATION

SWITCHING ON/OFF

1. Plug into the mains supply socket and switch on.
 - The dehumidifier will begin and the display will show the current humidity level and temperature of the room.
2. Press the POWER button to switch the dehumidifier ON.
 - The dehumidifier will run in the last mode selected.
3. Press the POWER button again to switch the dehumidifier OFF.



CHILD LOCK

The child lock is used to disable the function keys, to prevent accidentally changing the settings.

TURNING ON

1. Press and hold the MODE button for 2 seconds to turn the child lock on.
 - The child lock symbol will be shown in the display.



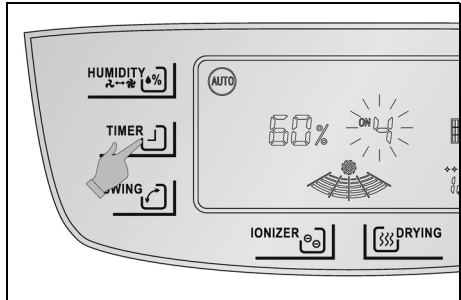
TURNING OFF

- Press and hold the MODE button for 2 seconds to turn the child lock off.

TIMER

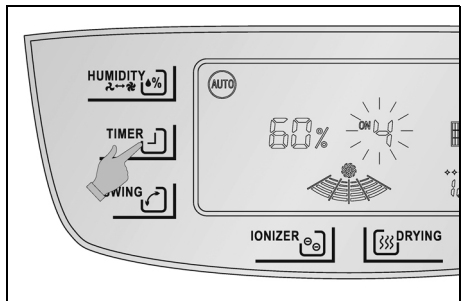
TIMER-ON SETTING (AUTO START)

1. While the dehumidifier is NOT running: Press TIMER key repeatedly to set the length of time (1-24 hours) until the dehumidifier turns on.
 - The display will show the selected number of hours flashing on and off for 5 seconds and then stop flashing.
2. To cancel the timer function press the TIMER key once more.



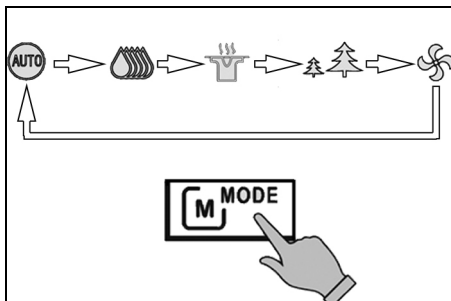
TIMER-OFF SETTING (AUTO STOP)






1. While the dehumidifier is running: Press TIMER key repeatedly to set the length of time (1-24 hours) until the dehumidifier turns off.
 - The display will show the selected number of hours flashing on and off for 5 seconds and then stop flashing.
2. To cancel the timer function press the TIMER key once more.



MODE SELECTION

Press the MODE key to cycle through the modes:



	<p>Auto Dehumidification</p>	<p>Press the humidity button repeatedly to select the required humidity level.</p> <ul style="list-style-type: none"> • The humidity level can be set between 40% and 70% (5% increments) and set to 50% as default. • The dehumidifier turns on or off if the humidity goes above or below that level.
	<p>High Dehumidification</p>	<p>The dehumidifier will run continuously at high speed regardless of the current humidity level.</p>
	<p>Mild Dehumidification</p>	<p>The dehumidifier will run continuously at low speed regardless of the current humidity level.</p>
	<p>Air Purification</p>	<p>The dehumidifier function is switched off and the fan will run continuously through the filter.</p> <ul style="list-style-type: none"> • Fit the filter (See page 10) before using this mode. • Press the humidity button to change the fan speed from high to low.
	<p>Ventilation</p>	<p>The dehumidifier function is switched off and the fan will run continuously.</p> <ul style="list-style-type: none"> • Remove the HEPA filter (See page 10) before using this mode. • Press the humidity button to change the fan speed from high to low.

IONIZER FUNCTION

The air ionizer function is used to remove particles from the air.

Airborne particles are attracted to the electrode within the dehumidifier in an effect similar to static electricity, this also kills some bacteria.

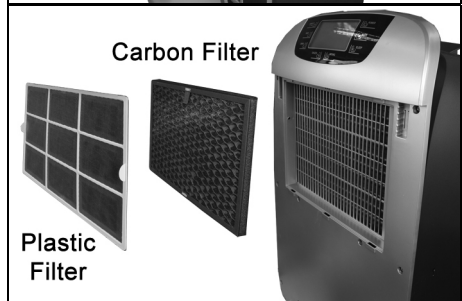
TO ACTIVE THE IONIZER FUNCTION,

1. Press the "IONIZER" button.,
 - A "leaf" symbol will appear on the display to show the ionizer function is active.
 - The swing function can also be used to adjust the position of air outlet grill.



FITTING/ REMOVING THE FILTER

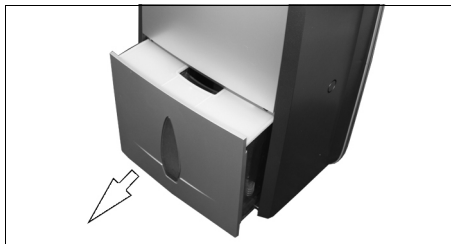
1. Remove the front panel.
2. Remove the plastic filter.
3. Insert the filter into the framework.
 - Make sure that the front of the filter is facing towards you.
 - An optional HEPA filter (not supplied) is available from your Clarke dealer.
4. Replace the plastic filter making sure that all the lugs are seated correctly.



EMPTYING THE WATER TANK

1. When the full water tank symbol on the control panel illuminates, switch off the dehumidifier and disconnect it from the mains supply.
2. Carefully remove the water tank by placing your fingers in the channel underneath the tank and pulling it towards you.

- The dehumidifier will beep several times if it is switched on and the water tank is removed or fitted incorrectly.



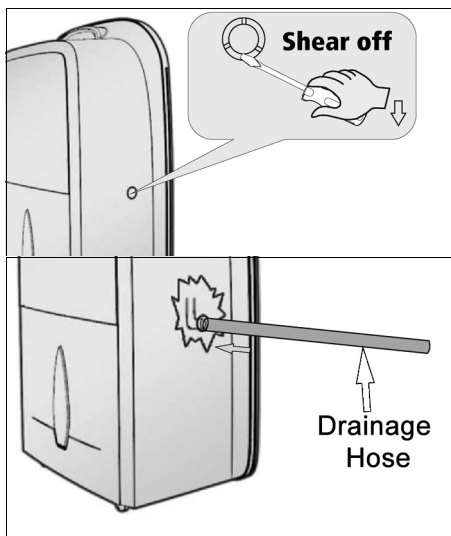
3. Remove the water tank lid and discard the water.
4. Replace the lid and refit the water tank.

NOTE: The unit will not operate unless the water tank is fitted correctly.

CONTINUOUS DRAINING

This function enables continuous dehumidifying without having to empty the water tank.

1. Remove the knock out section in the case using a small screwdriver.



2. Attach the drainage hose (not supplied) to the point shown.
 - Make sure that the drain hose always runs downhill away from the dehumidifier.
3. Replace the water tank.

NOTE: The unit will not operate unless the water tank is fitted correctly.

INTERNAL DRYING CYCLE

Run the internal drying cycle before storing the dehumidifier at the end of the season or If the dehumidifier has been used continuously for a long period of time.

Running the cycle will remove water/moisture from the unit, preventing a build up of mildew which will affect the efficiency and life of the unit.

HOW TO START THE DRYING FUNCTION

1. Press and hold the Drying button for 2 seconds until DRYING FUNCTION is selected.



HOW TO STOP THE DRYING MODE?

1. Press and hold the Drying button for 2 seconds to cancel the drying function.
 - The unit will be revert to the mode that was running before the DRYING FUNCTION was selected.

MAINTENANCE



WARNING: ALWAYS UNPLUG THE DEHUMIDIFIER BEFORE PERFORMING ANY CLEANING OR MAINTENANCE OPERATIONS.

STORAGE

- Unplug from the mains socket and empty the tank.
- Cover the dehumidifier to prevent dust getting inside.

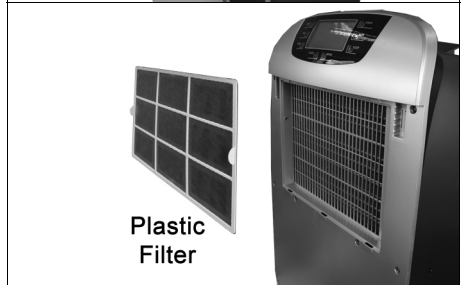
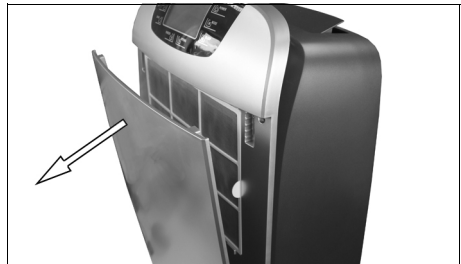
CLEANING THE CABINET

- Use a soft damp cloth to clean the exterior.
- Never use harsh chemicals or abrasive cleaning agents as these may damage the casing finish.

CLEANING THE FILTERS

PLASTIC FILTER

1. Remove the front panel.
2. Remove the plastic filter.
3. Rinse the filter under warm water.
4. Allow the filter to dry naturally.
5. Refit parts in the reverse order.
 - The frequency depends on the duration of use and the level of dust in the environment.



CARBON/HEPA FILTERS

- The supplied carbon filter or optional HEPA filter are not washable, and must be replaced at least once a year in normal use, more often if used in particularly dusty areas.

TROUBLESHOOTING

	Cause	Solution
Dehumidifier does not run	Is power plug connected	Insert power plug into socket
	The water tank is full?	Empty the water from the tank
	Water tank is not fitted correctly.	Replace the water tank.
Dehumidifying function does not work	Is room temperature or humidity too low?	Dehumidifying capability will decrease in dry seasons.
	Are air outlet and inlet blocked?	Clean out the air outlet and inlet.
No air out	Temperature or humidity too low?	
	Is air strainer blocked?	Clean air strainer (See page 13).
	No filter fitted	Fit the filter
Loud running noise	The dehumidifier is tilted or unstable.	Please place the dehumidifier at stable location.
	Is air strainer blocked?	Clean air strainer (See page 13).

TECHNICAL SPECIFICATION

Power source	230 Volts AC 50Hz
Input Power	520W
Water tank capacity	6 Litres
Weight	17.4 kg
Operation temperature	5 - 32 degrees Celsius
Dimensions (LxWxH)	265 mm x 410 mm x 665 mm
Extraction Rate	up to 30 Litres per day (@ 30°C 80% RH)
Max Allowable Pressure	Low pressure side 0.5 MPa, High pressure side 1.5 MPa

REFRIGERANT DATA	
This product contains hemetically sealed fluorinated greenhouse gasses.	
Type	R134A
Volume	320g
GWP	1430
Co ² Equivalent	0.458t

DECLARATION OF CONFORMITY



Clarke[®]
INTERNATIONAL

Hemnall Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

2004/108/EC *Electromagnetic Compatibility Directive.*

2006/95/EC *Low Voltage Equipment Directive.*

2011/65/EU *Restriction of Hazardous substances.*

The following standards have been applied to the product(s):

EN 60335-1:2002+A15, EN 60336-2-40:2003+A13, EN 62233:2008, EN 55014-1:2006+A2,

EN 55014-2:1997+A2, EN 61000-3-3:2008, EN 61000-3-2:2006+A2.

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2016

Product Description: 20 Litre Dehumidifier 370W inc LCD display
30 Litre Dehumidifier 500W inc LCD Display

Model number(s): YDE20
YDH30

Serial / batch Number: N/A

Date of Issue: 11/03/2016

Signed:

J.A. Clarke
Director

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