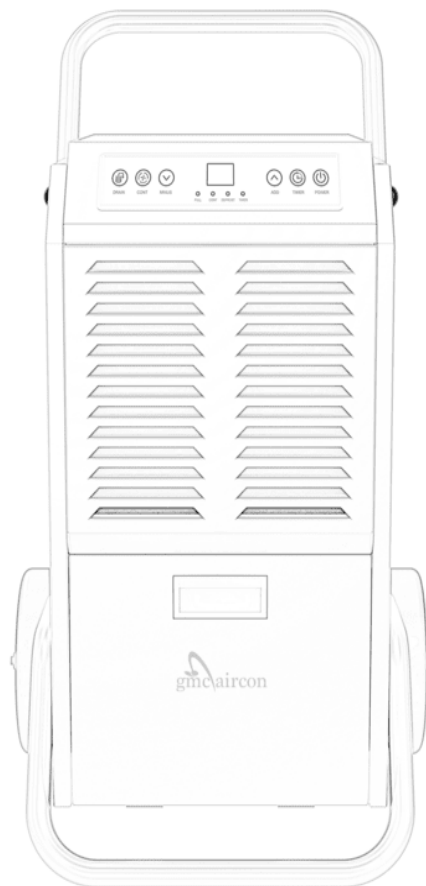




Dehumidifier

Instruction Manual



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IMPORTANT NOTES

Dear Customer

Your new GMCDH50- Dehumidifier has been manufactured in a state-of-the-art facility and has passed the strictest quality control procedures. Please read this manual carefully before using your appliance for the first time and then please store this manual in a safe place for future reference.

Thank you again for choosing GMC. If you have any issues at all with your product or any questions then the quickest route for resolution is to please contact us through our website www.gmcaircon.co.za or on 012-661-1173. We will be able to resolve any issues that may arise and our technical team is always on hand for assistance. We pride ourselves on 100% customer satisfaction and we trust you will enjoy your new product.

Record in the space below the listed information for future reference

Model No

Date of Purchase

Purchased From

PLEASE NOTE: Water drawn will depend on the environment being used. Approximately 50 Litres per day when optimal room temperature of 30°C and 80% Relative humidity. If used in less-than-ideal conditions it will draw water at a slower rate. This is not a product fault.

When first using the dehumidifier, operate the unit continuously for 24hrs, the humidity level can be set within a range of 80% RH (Relative Humidity) in 5% reduce or at CO for continuous operations. NOTE: If CO (Continuous) is selected, the dehumidifier will operate continuously at its maximum dehumidification settings if attached to a hose or drain or until the bucket is full.

For drier air, press the - pad and set to a lower percent value (%). For damper air, press the + pad and set to a higher percent value (%). When you first use the dehumidifier, set the humidity control to 45% or 50%, allow at least 24hrs for the dehumidifier to achieve the desired humidity level. If you still have damper air than desired, set the humidity level to a lower setting or select continuous for maximum dehumidification.

SAFETY INFORMATION



Do not attempt to maintain the appliance yourself. Only authorised agents are to carry out repairs.



Please read this manual carefully and fully understand before operating your dehumidifier.

OPERATIONAL PRECAUTIONS

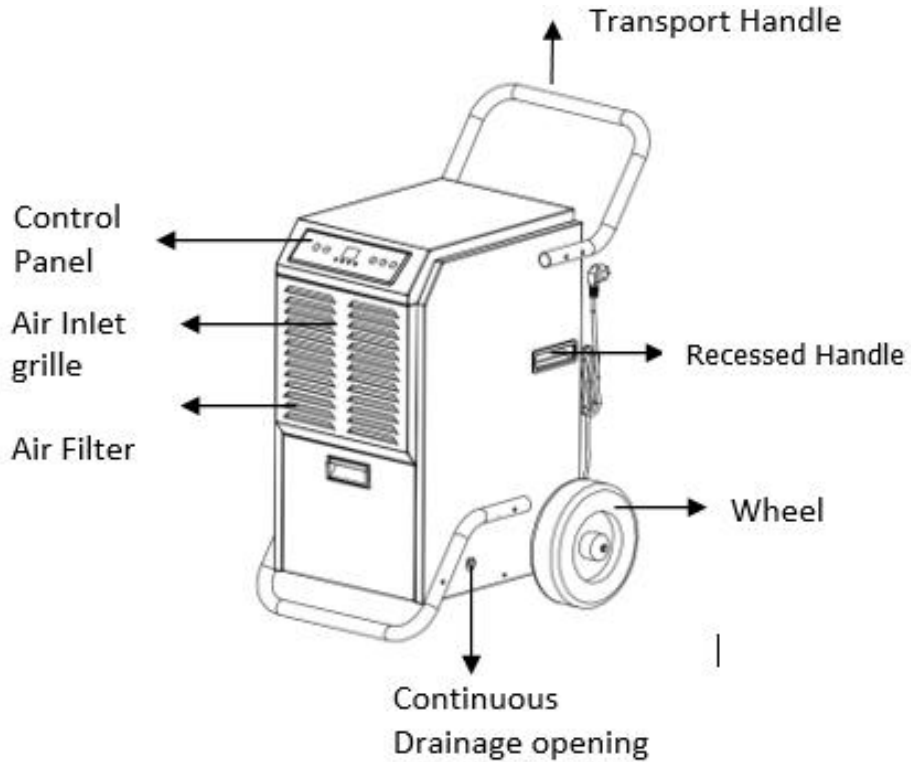
- The appliance must have 50cm Clearance around all sides.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Place the appliance on a flat, stable and dry surface and always keep the appliance in an upright position. Operating the appliance in any other position is a hazard.
- Do not place the appliance against a wall or other appliances.
- Do not cover or restrict the air flow inlet or exhaust grills
- Do not use mechanical devices to accelerate the appliances defrosting process.
- Do not place the continuous drainage hose outside when the temperature drops below 1°C
- To avoid circuit overload when using this appliance do not operate another high wattage appliance on the same electrical circuit.
- Always plug the appliance directly into a wall socket. Avoid using an extension lead where possible as they may overheat and cause a risk of an electrical fire.
- Do not operate the appliance with the water tank removed.
- Do not operate the appliance with any safety guards removed
- The appliance shall be disconnected from its power source during maintenance.
- Always operate the unit from a power source of equal voltage, frequency and rating as indicated on the product identification plate.
- Unplug the power cord when cleaning or when not in use.
- Do not operate with wet hands. Prevent water from spilling onto the unit.
- Do not immerse or expose the unit to rain, moisture or any other liquid.
- Do not leave the unit running unattended. Do not tilt or turn over the unit.
- Do not unplug while the unit is operating.
- Do not unplug by pulling on the power cord.
- Do not put objects on the unit.

- Do not climb or sit on the unit.
- Do not insert fingers or other objects into the air outlet.
- Do not touch the air inlet or the aluminum fins of the unit.
- Do not operate the unit if it is dropped, damaged or showing signs of product malfunction.
- Do not clean the appliance with any chemicals.
- Ensure the unit is far away from fire, inflammable, or explosive objects.
- The unit shall be installed in accordance with national wiring regulations.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacture.
- 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.
- The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.

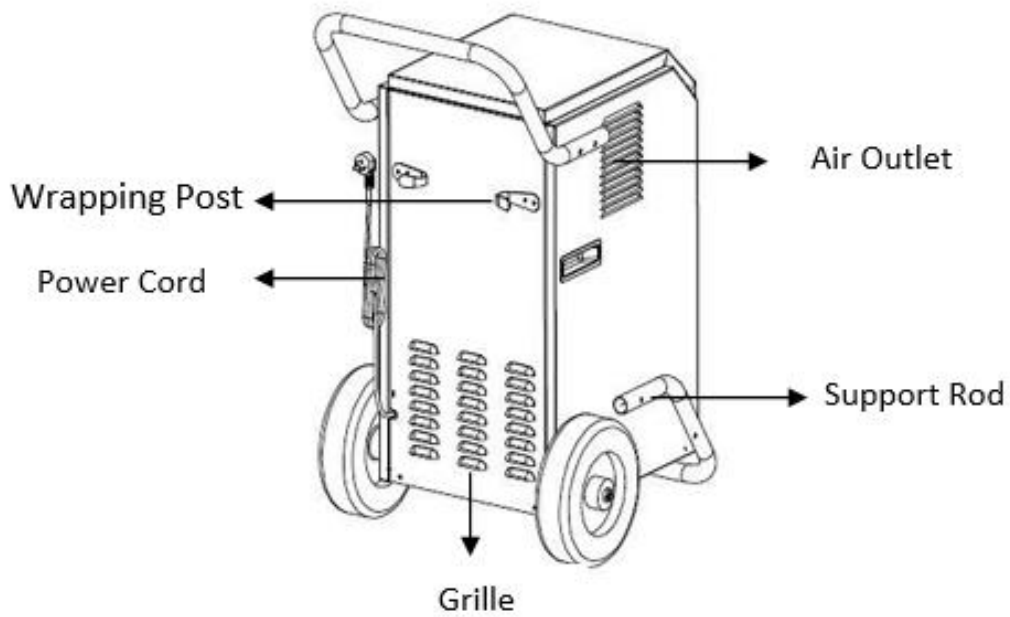


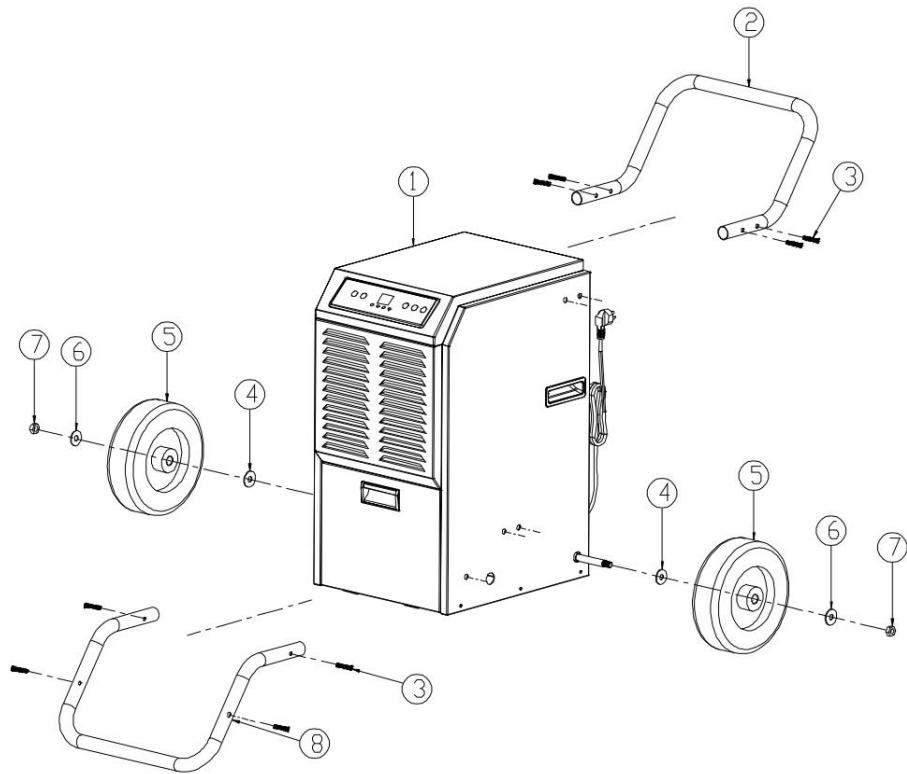
Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out by the manufacturer. If you don't understand something or need help, please contact us on 012-661-1173 or www.gmcaircon.co.za

PRODUCT OVERVIEW/PARTS



Back View

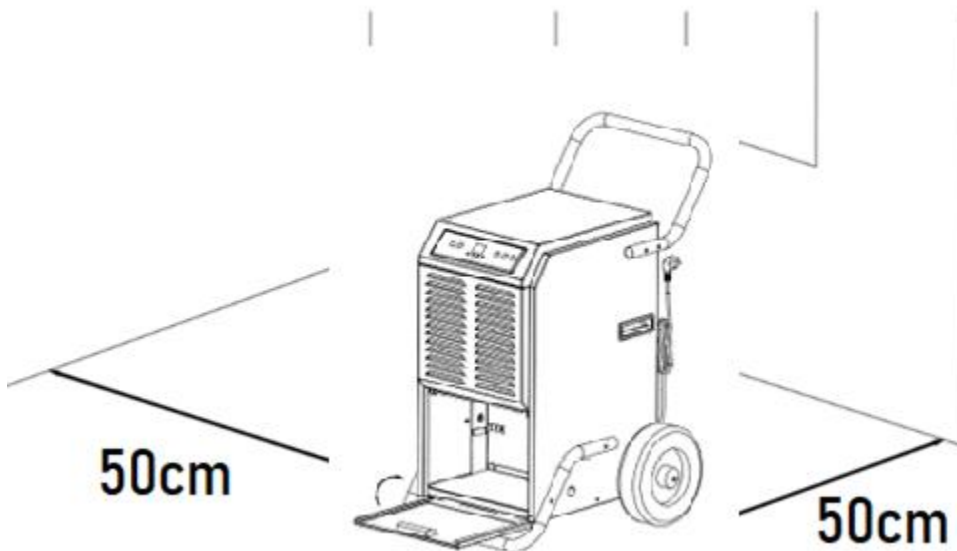




- | | | | |
|----------|----------------------|----------|-------------|
| 1 | Main Body | 2 | Push Handle |
| 3 | Stainless Steel Bolt | 4 | Flat Washer |
| 5 | Wheel | 6 | Flat Washer |
| 7 | Nut | 8 | Support Rod |

PRODUCT INSTALLATION

- Place the unit on a firm, level surface in an area with at least 50cm of free space around it to allow for proper air circulation.
- Never install the unit where it could be subject to heat sources such as radiators, heat registers, stoves or other products that produce heat.
- Do not place in an area where oil or water may be splashed
- Do not place in direct sunlight
- Do not place near mechanical vibration or shock
- Do not place near excessive dust
- Do not place on an uneven surface
- Do not operate in close proximity to walls, curtains, or other objects that may block inlet and outlet. Keep the air inlet and outlet free of obstacles.
- If tipped more than 45°, allow the unit to set upright for at least 24 hours before start up.
- Never install the unit where it could be subject to : Direct sunlight, Mechanical vibration or shock, Excessive dust
- Lack of ventilation such as cabinet or bookcase or uneven surfaces



NORMAL OPERATION

PLEASE NOTE: The operating duration depends on the surrounding environment. In drier areas, it may work slower, while in high-humidity conditions, it will draw water faster. The unit's performance is tailored to its environment, and it's been rigorously tested to perform as designed. Factors such as the humidity level, area size, and room temperature will all depend on how long it takes to draw out the correct moisture.

The rate at which water is collected in the tank depends on factors such as room temperature, the size of the room, and the source of humidity. It is a known fact that at low room temperature, the extraction rate is also low. The higher the humidity, the better the result.

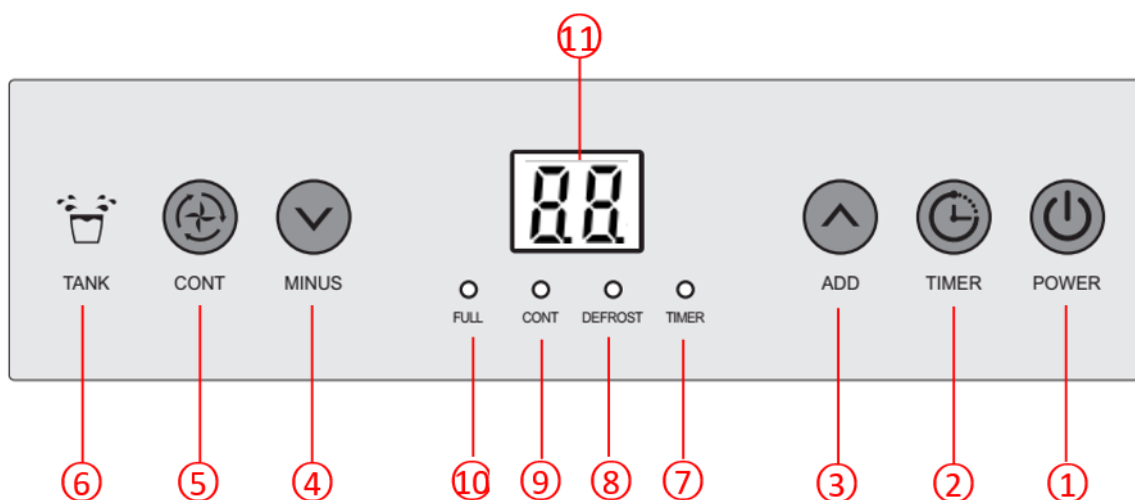
If the unit is not drawing water or at a slow rate it's highly likely that the environment it is being used is not humid enough for the product to draw water.

This is not a product fault. If you are unsure or have any questions at all please do not hesitate to get in touch with one of the GMC technical team on 012-661-1173 or www.gmcaircon.co.za

The below are normal when operating the dehumidifier.

<i>Operation stops occasionally</i>	The unit is defrosting
<i>Dehumidified volume is small</i>	Dehumidifier volume is less when the room temperature is low, The unit stops operating when the room temperature is below approx. 5°C. The unit stops dehumidifying because the humidity in a room drops to the set humidity in "Normal dehumidifying" mode.
<i>The humidity in a room is still high</i>	The room size may be too large. The recommended room size 25-40m ² The doors or other windows of the room may be opened and/or closed frequently. The dehumidifier is used together with a kerosene heater which emits vapor.
<i>Bad smell during operation</i>	Smell is emitted from the walls, furniture or other objects.
<i>Sound is produced with in the unit</i>	Circulation of the refrigerant may cause sound until it is stable.
<i>The buzzer sounds</i>	The buzzer sounds when the water tank is full of water.

OPERATING INSTRUCTIONS



1.	POWER button	Press once to switch unit on or off.
2.	Timer button	Press to enable or disable the timer function.
3.	Setting button (ADD)	Adjust the humidity set-point within the range of 20%-90%.
4.	Setting button (MINUS)	Adjust the timer set-point. (1h~24h)
5.	Continuous button	Press to set the unit for continuous dehumidifying mode.
6.	Tank full LED	Lights up when water tank is almost full.
7.	Timer indicator (green)	Lights up when the timer function is set.
8.	Defrost LED (green)	Lights up when automatic defrosting is in process.
9.	Continuous LED (green)	Lights up when the continuous dehumidifying mode is turned on.
10.	Water full LED (red)	Lights up when water tank is almost full.
11.	Digital Display (green)	Displays the current humidity (20-95%) and the humidity setting (20-90%). Displays timer setting and temperature.

1. Operating Modes

A. **Continuous Operation**

- Press **POWER** key to turn on the unit.
- The unit starts to dehumidify in continuous operation, regardless of the humidity. The humidity set-point cannot be adjusted in this mode.

B. **Normal Operation**

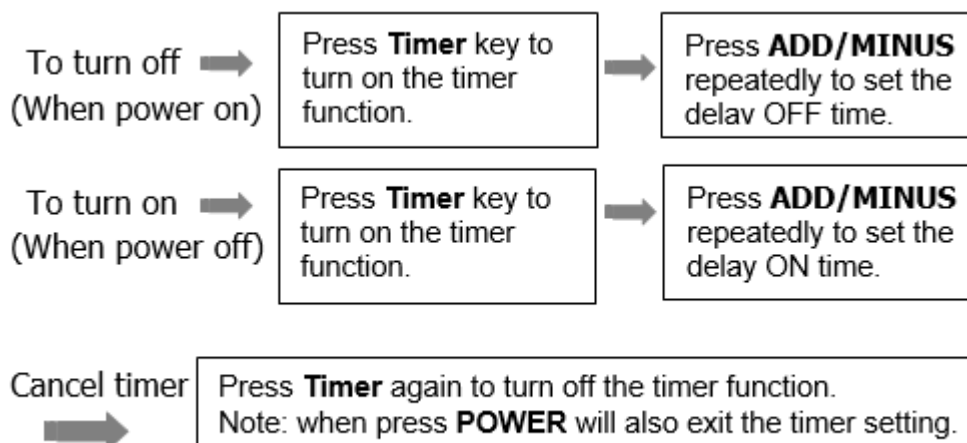
- Press **POWER** key to turn on the unit.
- Press the **CONT** key to deactivate the continuous mode.
- The unit operates in normal mode with the default 50% humidity set-point.
- Press **POWER** key again to turn off the dehumidifier.
- The fan keeps running for a while and then stops.

2. Humidity Settings (setting range: 20%-90%)

- The humidity set-point can be adjusted in normal operation.
- Press **ADD/MINUS** key repeatedly to adjust humidity set-point.
- Set the humidity level between 40% and 60% for comfort.
- The unit will cycle on and off to maintain the correct levels.

3. Timer Setting (1hour-24hours)

The timer has two ways of operating:



4. Water FULL Indicator

The machine automatically shuts off once the water tank is full, alerting the user through an indicator light and buzzing 15 times. It reminds you to check:

- If the water tank is full, empty it and re-install the water tank.
- If the water tank is not in position, the full indicator remains on and the unit is inoperative. Re-install the tank correctly, and the unit will automatically operate based on your last setting.

5. Room Temperature Display

In addition to the humidity level, the digital display (11) can also indicate the current room temperature. Please check as follows:

- Press and hold the TIMER button for 5 seconds.
- The screen displays the temperature in degree Celsius.

6. Automatic Defrost function

At low room temperatures, frost may build up at the evaporator, reducing the airflow across it during dehumidification.

- The dehumidifier will automatically start defrosting for 15 minutes.
- The Defrost LED will blink.
- The compressor stops, and the fan keeps running.
- Do not turn off the unit, and it will automatically restart dehumidifying

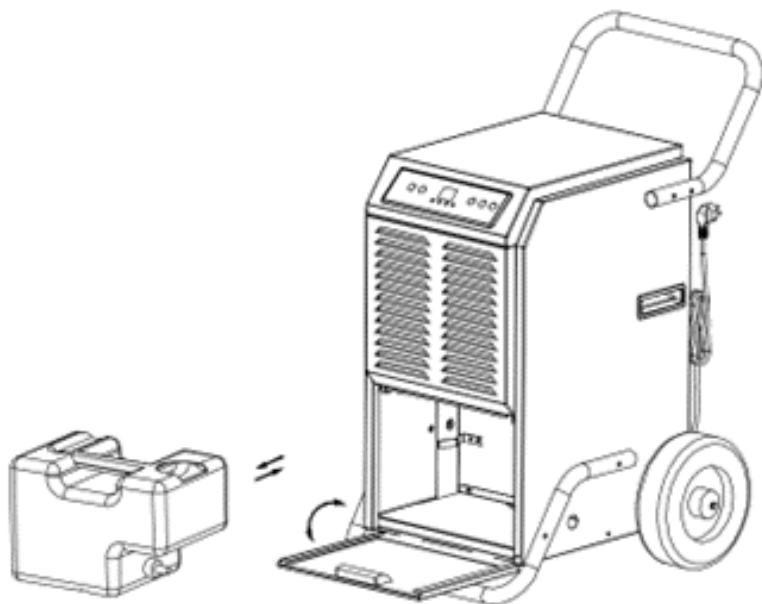
7. Overload Protection

In the event of a power loss, to protect the compressor there is a 3-minute delay until the compressor restarting.

WATER TANK INSTRUCTIONS

The water tank built into the unit will fill up and shut the unit down once it is full. It will run again once you empty the water tank and reinstall it properly.

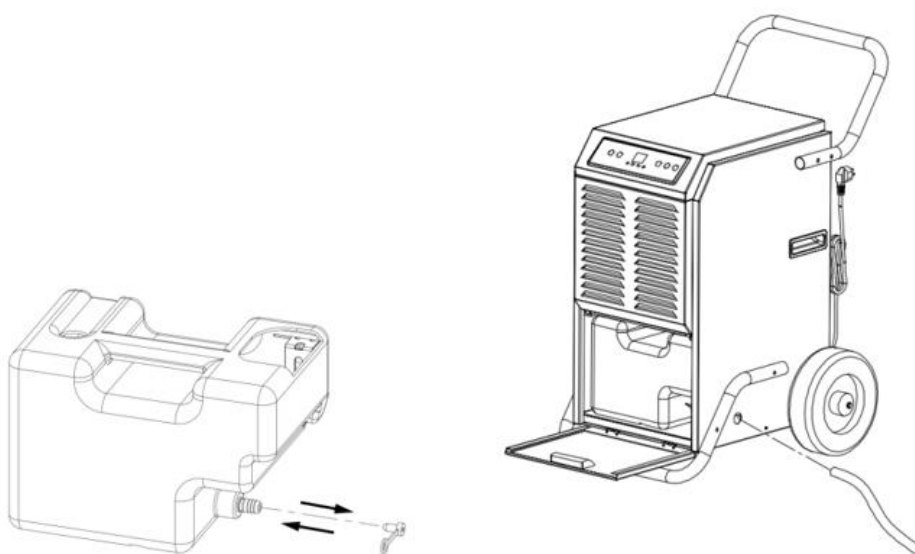
- When the tank is full, the “FULL” light will turn on.
- The unit will make a buzzing sound. Press the power button to turn off the machine.
- To empty the water tank, open the front panel to access the water tank.
- Grab the handle of the water tank and pull it out horizontally.
- After disposing of the water, replace the tank and close the front panel.
- Press the POWER button to resume operation.



CONTINUOUS DRAINAGE

For continuous operation or unattended dehumidification, please connect the attached drain hose to the unit.

- Press the POWER button to turn off the machine.
- Open the front lower cover and remove the water tank from the unit.
- Push the drain hose through the continuous drainage opening and connect one end to the hose connection.
- Refit the water tank in the unit and close the front lower cover.
- Direct the other end of the hose to the desired area. Ensure that the drain hose is not kinked or bent.
- Remove the hose and seal the hose connection with the plug if you want to collect the water in the water tank again. Allow the hose to dry prior to storage.



WARNING:

Do not block the drain hose, water will not drain properly and could damage components of the unit.

MAINTENANCE

Proper maintenance and care are essential for ensuring optimal performance and longevity of your dehumidifier. Regularly clean the filters, inspect for any debris, and follow the recommended maintenance schedule outlined in this manual. By adhering to these guidelines, you'll enhance the efficiency and lifespan of your equipment, providing you with reliable and effective operation for years to come.



To avoid of the risk of electric shock, never connect and disconnect the plug with your hands wet.



Prohibit wet hand



Turn off the unit and disconnect the power plug before cleaning or other routine maintenance



Do not remove the float lever from the water tank.

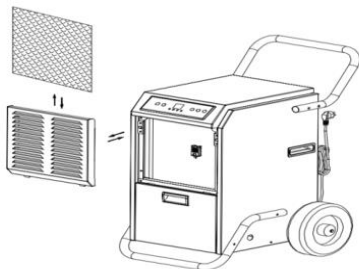
Prohibit

Air Intake Cleaning (Every 2 weeks)

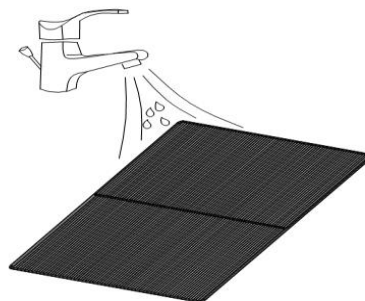
The dehumidifying capacity will be lowered when the air filter gets clogged.

The air filter is removable for easy cleaning. Do not operate the unit without an air filter, or the evaporator may become contaminated.

- Clean the machine with a soft wet cloth.
- Pull out the louver on the front panel to gain access to the filter.
- Remove the filter mesh from the unit.
- Use a clean rag to absorb the surface dust on the filter mesh. If the filter is extremely dirty, use tap water to flush it. Fully dry the filter before putting it back into the air inlet fence. A clean filter will increase the machine's capacity.



Pic1. Switch off the unit and remove air filter.



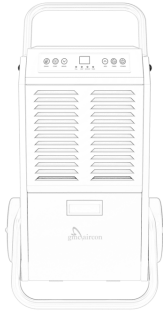
Pic2. Rinse the air filter under running water.

Warning!!!

Do not touch the evaporator surface with bare-hand, or could cause injury of your fingers.

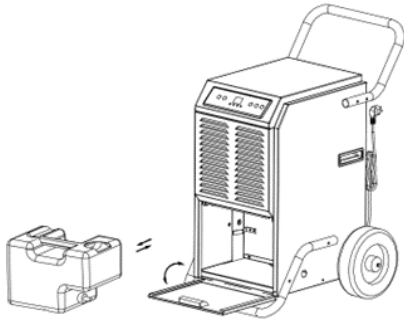
Housing Cleaning

1. Housing



1. To avoid malfunction or abnormal sounds, keep the unit upright.
2. Wipe the dehumidifier with a dry and soft cloth.
3. For removing heavy dirt, wipe it with a cloth wrung tightly. (Never use a wet cloth for cleaning the controls.)
4. To prevent deformation or cracking, do not use benzine, thinner, or liquid cleaners.
5. Chemical cloths may cause a change in color or damage to the unit

2. Water Tank Cleaning



Important: The Water Tank Cover is detachable for cleaning purposes only.

1. Turn off the dehumidifier and unplug it before removing the water tank.
2. Remove the water tank:
3. Wash the inside of the tank with water (Do not scratch).
4. Do not remove the float from the water tank.
5. Never use strong chemicals, oil-based products, detergents, chemically treated cloths, or other cleaning solutions, as these could damage the water tank.

SPECIFICATIONS

Model Number	GMCDH50
Auto-stop function	Yes
Air Flow (nominal)	450m ³ /hour
Air Circulation	264.86 CFM
Capacity	50L/day (30°C, 80% RH)
Cooling element	Compressor
Colour	Blue/Black
Compressor Type	Rotary
Coverage Area	60m ²
Minimum Room Size	12m ² (Floor area)
Decibel Rating	<52dBA
Filter	Washable Filter
Minimum working environment	Temperature: 5°C
Optimum working environment	Temperature: 30°C Humidity: 80%
Maximum Refrigerant Charge	R290/230g
Power Supply	AC220-240V/50Hz
Power Consumption	650W/3.1A
Packed Dimensions	510mm (W) X 560mm (D) X 720mm (H)
Timer	Yes
Unpacked Dimensions	450mm (W) X 520mm (D) X 770mm (H)
Water Tank Capacity	5.5 Liters
Weight (Packed)	40Kg
Weight (Unpacked)	36Kg
Waterproof Grade	IP X0

FEATURES

- Auto defrosting function
- Automatic Bucket Full Shut-Off
- Automatic Restart (humidity controller compatible)
- Caster wheels for easy mobility and storage
- Continuous draining option
- Continuous dehumidifying mode
- Digital humidistat control
- Low decibel output
- Overload Protection
- Programmable Humidity setting
- Removes up to 50L per day
- Room Temperature Display
- Timed operation
- Water Full Indicator

TROUBLESHOOTING

The rate at which water is collected in the tank depends on factors such as room temperature, the size of the room, and the source of humidity. It is a known fact that at low room temperature, the extraction rate is also low. The higher the humidity, the better the result.

This is not a product fault. If you are unsure or have any questions at all please do not hesitate to get in touch with one of the GMC technical team on 012-661-1173 or www.gmcaircon.co.za

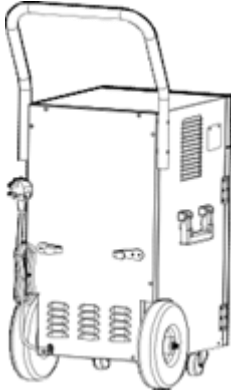
Symptom		Inspection	Solution
The unit is not operating.		✓ Check the power connection in securely.	➤ Insert the power cord securely into the wall Outlet.
		✓ Check if the water level indicator lights up?	➤ Empty the water tank and reinstall correctly.
		✓ Check the room temperature.	➤ The range of operating temperature is 5-35°C.
There is little formation of condensate.		✓ Check the air filter for dirt.	➤ Clean the air filter as necessary.
		✓ Check if the air duct is blocked.	➤ To clear the obstacle.
		✓ Check if the room temperature is below 20°C.	➤ This is normal. Low humidity in low temperature environment.
		✓ Set humidity level is higher than current Humidity value.	➤ Set the humidity level below current humidity value.
Water Leakage		✓ Overflow while moving the unit.	➤ Empty the water tank before transport.
		✓ Check if the drain hose is kinked or bends.	➤ Straighten the hose to avoid a trap existing.
Excessive Noise		✓ Check if the unit is securely positioned.	➤ Place the unit on horizontal and firm ground.
		✓ Check if any loose, vibrating parts.	➤ Secure and tight the parts.
		✓ Noise sounds like water flowing.	➤ Noise comes from flowing refrigerant. This is normal.
Error Codes	E1	✓ Temperature sensor failure	➤ Check connection or replace it.
	E2	✓ Humidity sensor dampened or failure.	➤ To clean or replace the humidity sensor.
	CL	✓ Display when Room temperature is below 5°C (41°F).	➤ Normal. The compressor stops, and the fan keeps running.
	CH	✓ Display when Room temperature is above 35°C (95°F).	➤ Normal. The compressor stops, and the fan keeps running.
	LO	✓ Display when Room relative humidity is bellow 20%RH.	➤ Normal. The compressor stops, and the fan keeps running.
	HI	✓ Display when Room relative humidity is above 95%RH.	➤ Normal. The compressor and the fan keep running.

Please note that the following below are normal operational procedures for the dehumidifier

<i>Operation stops occasionally</i>	The unit is defrosting
<i>Dehumidified volume is small</i>	Dehumidifier volume is less when the room temperature is low. The unit stops operating when the room temperature is below approx. 5°C. The unit stops dehumidifying because the humidity in a room drops to set humidity in "Normal dehumidifying" mode.
<i>The humidity in a room is still high</i>	The room size may be too large. The recommended room size for the GMCDHW26 is 25-40m ² The doors or windows of the room may be opened and/or closed frequently. The dehumidifier is used together with a kerosene heater which emits vapor.
<i>Bad smell during operation</i>	Smell is emitted from the walls, furniture or other objects.
<i>Sound is produced with in the unit</i>	Circulation of the refrigerant may cause sound until it is stable.
<i>The buzzer sounds</i>	The buzzer sounds when the water tank is full of water.

DECOMMISSIONING

Long-term storage - If you will not be using the unit for an extended period of time
ATTENTION: The evaporator inside the machine must be dried out before the unit is packed to avoid component damage and Mold growth. Unplug the unit and place it in a dry, open area for several days to dry it out. Alternatively, set the humidity point more than 5% higher than the ambient humidity to force the fan to dry the evaporator for a couple of hours.



Please store the unit per the following steps:

1. Press power button to switch off and unplug the unit.
2. Drain the remaining water from the unit.
3. Clean the filter and let the filter dry completely in a shaded area.
4. Collect the power cord at the water tank.
5. Re-install the filter at its position.
6. The unit must be kept in upright position when in storage.
7. Preserving the machine in ventilating, dry, non- corrosive gas and safe place indoor.

Releasing refrigerant into the atmosphere is strictly forbidden!



Do not dispose of electrical appliances as unsorted municipal waste; use separate collection facilities. Contact your local government for information regarding available collection systems. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and enter the food chain,

damaging your health and well-being.

SERVICE AND WARRANTY

GMC Airconditioning PTY (Ltd) was established in 1995 and is one of South Africa's leading cooling and heating companies. We pride ourselves on 100% customer satisfaction and have the highest online rating of all heating and cooling companies in South Africa. We will strive to ensure you are 100% satisfied with your product.

In the rare case of encountering any issues with your product or would like some support please contact us directly on 012-661-1173 or www.gmcaircon.co.za as this will allow us to react quickly to your request. If you have bought this product from one of our partner platforms, then contacting us directly will allow us to resolve the issue for you in a timelier fashion. We are here to help you and ensure you are 100% satisfied.

Please read this instruction manual carefully before setting up or using this product. If you believe this product to be suffering from a manufacturing fault, or if you have any inquiries about this product, please contact our customer support.

CUSTOMER SUPPORT

GMC Airconditioning PTY (Ltd)

35 Sarel Baard Crescent

Gateway Industrial Park

Centurion

0046

Telephone: +27 (12) 661-1173

Website: www.gmcaircon.co.za

Email: info@gmcaircon.com

When contacting our customer support, please have the information below available. All warranty requests must be accompanied by a proof of purchase, which is a copy of the original receipt.

Model:

Date of purchase:

Purchased from: