

DEHUMIDIFIER

USER MANUAL

MODEL NUMBER
MAD22C1AWS
MAD35C1AWS
MAD50C1AWS
MAD50P1AWS



Warning notices: Before using this product, please read this manual carefully and keep it for future reference. The design and specifications are subject to change without prior notice for product improvement.

Consult with the dealer or manufacturer for details.

The diagram above is just for reference. Please take the appearance of the actual product as the standard.

THANK YOU FOR CHOOSING MIDEA!

Before using your new Midea product, please review this manual thoroughly to ensure safe and effective operation of its features and functions.

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SAFETY PRECAUTIONS

To prevent injury to the user, or personal and property damage, these instructions must be followed. Incorrect operation due to ignoring of instructions may cause harm or damage. The level of risk is shown by the following indications.

Explanation of Symbols



WARNING

This symbol indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

This symbol indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

Read these operating instructions carefully and attentively before using/commissioning the unit and keep them in the immediate vicinity of the installation site or unit for later use!

WARNING

- Do not exceed the rating of the power outlet or connection device.
- Do not operate or stop the unit by switching on or off the power.
- Do not damage or use an unspecified power cord.
- Do not modify power cord length or share the outlet with other appliances.
- Do not insert or pull out plug with wet hands.
- Do not install the unit in a location that may be exposed to combustible gas.
- Do not place the unit near a heat source.
- Disconnect the power if strange sounds, smell, or smoke are present.
- The unit should never be disassembled or repaired independently.
- Before cleaning, turn off the power and unplug the unit.
- Do not use the machine near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.
- Do not drink or use the water drained from the unit.
- Do not take the water bucket out during operation.
- Do not put in places where water may splash onto the unit.
- Place the unit on a level, sturdy section of the floor.
- Do not cover the intake or exhaust openings with cloths or towels.
- Care should be taken when using the unit in a room with the following persons: infants, children, elderly people, and people not sensitive to humidity.

WARNING

- Do not use in areas where chemicals are handled.
- Never insert finger or other foreign objects into grilles or openings. Take special care to warn children of these dangers.
- Do not place heavy objects on the power cord and take care so that the cord is not compressed.
- Do not climb up on or sit on the unit.
- Always insert the filter securely. Clean the filter once every two weeks.
- If water enters the unit, turn the unit off and disconnect the power, contact a qualified service technician.
- Do not place vases or other water containers on top of the unit.
- Do not use extension cords.

CAUTION

- This unit can be used by children aged from 8 years and above , and person with reduced physical, sensory or mental capabilities or lack of experience and knowledge only if they have been given supervision or instruction concerning use of the unit in a safe way and understand the hazards involved. Children must not play with the unit. Cleaning and user maintenance must not be made by children without supervision.
- This unit is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the unit by a person responsible for their safety. Children should be supervised to ensure that they do not play with the unit.
- 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.
- Prior to cleaning or other maintenance, the unit must be disconnected from the supply mains.
- Do not install the unit in a location that may be exposed to combustible gas. If combustible gas accumulates around the unit, it may cause fire.
- If the unit is knocked over during use, turn off the unit and unplug it from the main power supply immediately. Visually inspect the unit to ensure there is no damage. If the unit is suspected to be damaged, contact a technician or customer service for assistance.
- In a thunderstorm, the power must be cut off to avoid damage to the machine due to lightning.
- Do not run cords under carpets. Do not cover cords with rugs, mats or similar coverings. Do not place cords under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- Do not operate unit with a damaged cord or plug. Discard unit or return to an authorized service facility for examination and/or repair.
- To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.
- The unit shall be installed in accordance with national wiring regulations.
- Contact an authorized service technician for repair or maintenance of this unit.
- Turn off the product when not in use.

CAUTION

- The manufacturer's nameplate is located on the rear panel of the unit and contains electrical and other technical data specific to this unit.
- Be sure the unit is properly grounded. To minimize shock and fire hazards, proper grounding is important. The power cord is equipped with a three-prong grounding plug for protection against shock hazards.
- The unit must be used in a properly grounded wall receptacle. If the wall receptacle intended for use is not adequately grounded or protected by a time delay fuse or circuit breaker (refer to the nameplate for electrical data), a qualified electrician should install the appropriate receptacle.
- Do not operate the unit in a wet room such as a bathroom or laundry room. The unit's circuit board (PCB) is designed with a fuse to provide overcurrent protection. The specifications of the fuse are printed on the circuit board, such as: T3.15A/250V (or 350V), etc.

Note about Fluorinated Gases (Not applicable to the unit using R290 Refrigerant)

1. Fluorinated greenhouse gases are contained in hermetically sealed equipment. For specific information on the type, the amount and the CO₂ equivalent in tonnes of the fluorinated greenhouse gas (on some models), please refer to the relevant label on the unit itself.
2. Installation, service, maintenance and repair of this unit must be performed by a certified technician.
3. Product uninstallation and recycling must be performed by a certified technician.

⚠ WARNING for Using R32/R290 Refrigerant

- No method other than that recommended by the manufacturer should be used to accelerate the defrosting process or for cleaning.
- The unit shall be stored in a room without continuously operating ignition sources (i.e. open flames, an operating gas appliance or an operating electric heater).
- Do not pierce or burn.
- Be aware that the refrigerants may not contain an odor.
- The unit should be installed, operated and stored in a room with a floor area according to the amount of refrigerant to be charged. For specific information on the type of gas and the amount, please refer to the relevant label on the unit itself.
- The unit should be installed, operated and stored in a room with a floor area larger than 4 m².
- Compliance with national gas regulations shall be observed.
- Keep ventilation openings clear of obstruction.
- The unit shall be stored so as to prevent mechanical damage from occurring.
- A warning that the unit shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- 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.
- The unit shall be stored in a room without continuously operating open flames (i.e. operating gas appliances) and ignition sources (i.e. operating electric heaters).

**CAUTION:**

Risk of fire
flammable materials

IMPORTANT NOTE: Read this manual carefully before installing or operating the unit. Make sure to save this manual for future reference.

Explanation of symbols displayed on the unit

	CAUTION	This symbol shows that the operation manual should be read carefully.
	CAUTION	This symbol shows that the unit should be handled by service personnel with reference to the installation manual.
	CAUTION	This symbol shows that information is available such as the operating manual or installation manual.

1. Transport of equipment containing flammable refrigerants

See transport regulations.

2. Marking of equipment using signs

See local regulations.

3. Disposal of equipment using flammable refrigerants

See national regulations.

4. Storage of equipment

The storage of the unit should be in accordance with the applicable regulations or instructions, whichever is more stringent.

5. Storage of packed (unsold) equipment

Storage package protection should be constructed such that mechanical damage to the equipment inside the package will not cause a leak of the refrigerant charge. The maximum number of pieces of equipment permitted to be stored together will be determined by local regulations.

6. Information on servicing

1) Checks to the area

Before starting a service 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.

2) Work procedure

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

3) 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 materials.

4) Checking for presence of refrigerant

The area shall be checked with an appropriate refrigerating detector prior to and during work, to ensure the technician is aware of potentially flammable environment. Ensure that the leak detection equipment being used is suitable for flammable refrigerants (i.e. non-sparking, adequately sealed or intrinsically safe).

5) 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 CO2 fire extinguisher adjacent to the charging area.

6) No ignition sources

No person carrying out work in relation to a refrigerating 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.

7) Ventilated area

Ensure that the area is in the open or that it is adequately ventilated before entering 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.

8) Checks to the refrigerating equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specifications. 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 actual refrigerant charge is in accordance with the room size within which the refrigerant containing parts are installed; the ventilation machinery and outlets are functioning properly 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; and refrigerating 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.

9) 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 jeopardize 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 that all parties can be notified.

Initial safety checks shall include:

That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking; that there are no live electrical components and wiring exposed while charging, recovering or purging the system; that there is continuity of earth bonding.

7. Sealed electrical components shall be replaced.

8. Intrinsically safe components must be replaced.

9. Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

10. Detection of flammable refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

The following leak detection methods are deemed acceptable for systems containing flammable refrigerants. Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.)

Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25% maximum) is confirmed. Leak detection fluids are suitable for most refrigerants, however the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.

If a leak is suspected, all naked flames should be removed/extinguished. If a leakage of refrigerant is found which requires brazing, all of the refrigerants shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Removal of refrigerant shall be according to Removal and evacuation.

11. Removal and evacuation

When breaking into the refrigerant circuit to make repairs—or for any other purposes - conventional procedures shall be used. However, for flammable refrigerants it is important that best practice be followed, since flammability is a consideration. The following procedure shall be adhered to:

- Safely remove refrigerant following local and national regulations;
- Evacuate;
- Purge the circuit with inert gas (optional for A2L);
- Evacuate (optional for A2L);
- Continuously flush or purge with inert gas when using flame to open circuit;
- Open the circuit.

The refrigerant charge shall be recovered into the correct recovery cylinders if venting is not allowed by local and national codes. For units containing flammable refrigerants, the system shall be purged with oxygen-free nitrogen to render the appliance safe for flammable refrigerants. This process might need to be repeated several times. Compressed air or oxygen shall not be used for purging refrigerant systems.

For units containing flammable refrigerants, refrigerants purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum (optional for A2L). This process shall be repeated until no refrigerant is within the system (optional for A2L). When the final oxygen-free nitrogen charge is used, the system shall be vented down to atmospheric pressure to enable work to take place.

The outlet for the vacuum pump shall not be close to any potential ignition sources, and ventilation shall be available.

12. Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed. Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them. Cylinders shall be kept in an appropriate position according to the instructions. Ensure that the refrigeration system is earthed prior to charging the system with refrigerant. Label the system when charging is complete (if not already). Extreme care shall be taken not to overfill the refrigeration system. Prior to recharging the system it shall be pressure tested with OFN. The system shall be leak tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

13. Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.

a) Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) Before attempting the procedure ensure that: mechanical handling equipment is available, if required, for handling refrigerant cylinders; all personal protective equipment is available and being used correctly; the recovery process is supervised at all times by a competent person; recovery equipment and cylinders conform to the appropriate standards.

d) Pump down refrigerant system, if possible.

e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.

f) Make sure that cylinder is situated on the scales before recovery takes place.

g) Start the recovery machine and operate in accordance with instructions.

h) Do not overfill cylinders. (No more than 80% volume liquid charge.)

i) Do not exceed the maximum working pressure of the cylinder, even temporarily.

j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.

k) Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked

14. Labelling

Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed. Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

15. Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge is available. All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e., special cylinders for

the recovery of refrigerant). Cylinders shall be complete with pressure-relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs. The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of the flammable refrigerant. If in doubt, the manufacturer should be consulted. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition.

The recovered refrigerant shall be processed according to local legislation in the correct recovery cylinder, and the relevant waste transfer note arranged. Do not mix refrigerants in recovery units and especially not in cylinders.

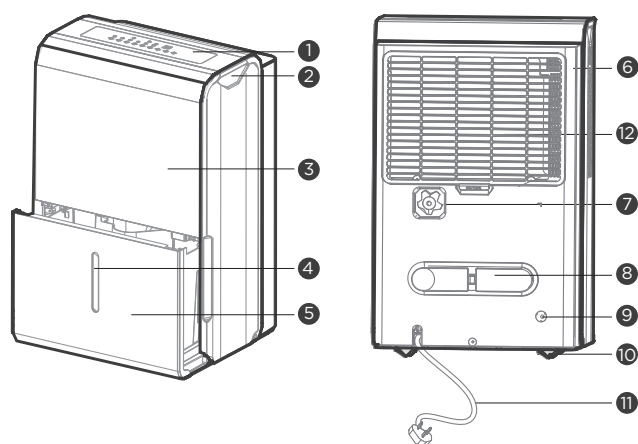
If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The compressor body shall not be heated by an open flame or other ignition sources to accelerate this process. When oil is drained from a system, it shall be carried out safely.

SPECIFICATIONS AND FEATURES

PRODUCT OVERVIEW

NOTE ON ILLUSTRATIONS:

All the illustrations in the manual are for explanation purpose only. The unit may be slightly different. The actual shape shall prevail. The unit can be controlled by the unit control panel alone.



- ① Control panel
- ② Handle(both sides)
- ③ Panel
- ④ Water level window
- ⑤ Water bucket
- ⑥ Air outlet grille
- ⑦ Continuous drain hose outlet
- ⑧ Power cord buckle(placed in the water bucket,used only when storing the unit)
- ⑨ Pump drain hose outlet (For models with pump draining feature)
- ⑩ Wheels
- ⑪ Power cord and plug
- ⑫ Air filter

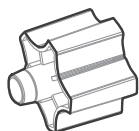
Design Notice

In order to ensure the optimal performance of our products, the design specifications of the unit is subject to change without prior notice.

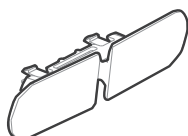
Accessories(placed in the bucket of the unit)



Pump drain hose*1 pc (For the unit with pump feature)

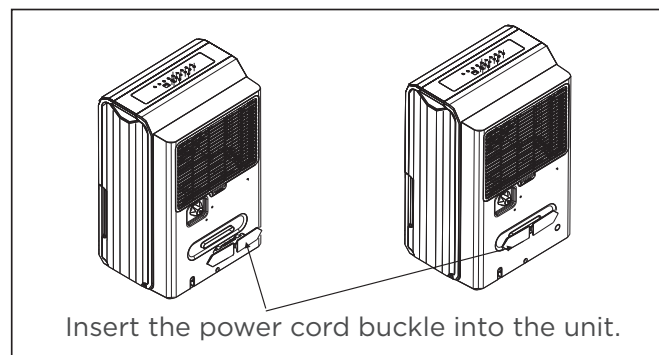


Female threaded end*1 pc (on some models)

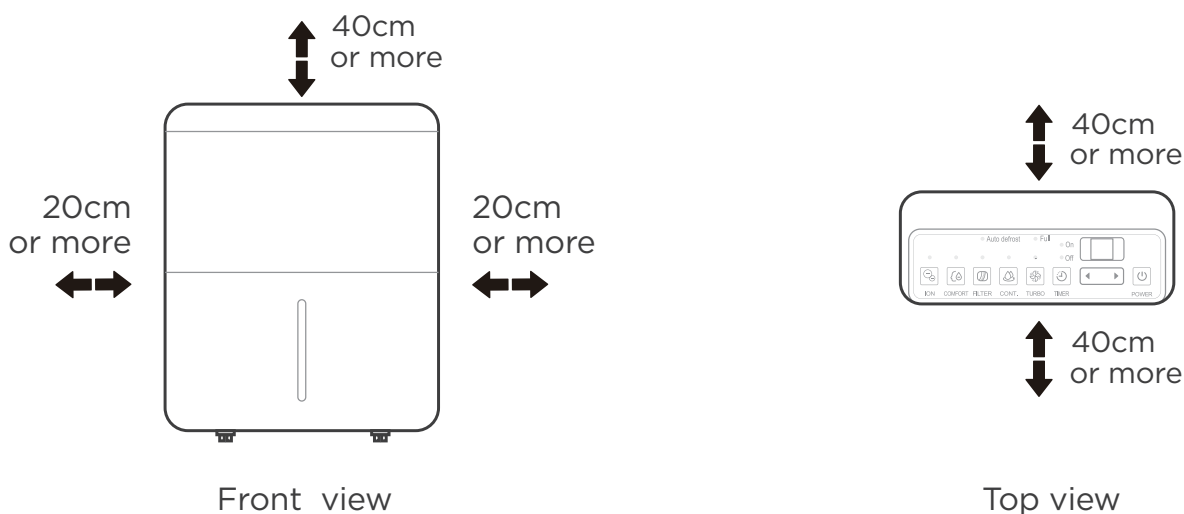


Power cord buckle(1 pc)

installation of the power cord buckle



OPERATING INSTRUCTIONS



Wheels (At four points on the bottom of unit)

- Wheels move freely.
- Do not force wheels to move over carpet, or move the unit with water in the bucket. (The unit may tip over and spill water.)

A dehumidifier operated in a basement will have little or no effect in drying an adjacent enclosed storage area, such as a closet, unless there is adequate circulation of air in and out of the area.

- Do not use outdoors.
- This dehumidifier is intended for indoor residential applications only. This dehumidifier should not be used for commercial or industrial applications.
- Place the dehumidifier on a smooth, level floor strong enough to support the unit with a full bucket of water.
- Allow at least 20cm of air space on all sides of the unit for good air circulation. (at least 40cm of air space on air outlet)
- Place the unit in an area where the temperature will not fall below 5° C(41° F). The coils can become covered with frost at temperatures below 5° C(41° F), which may reduce performance.
- Place the unit away from the clothes dryer, heater or radiator.
- Use the unit to prevent moisture damage where books or valuables are stored.
- Use the dehumidifier in a basement to help prevent moisture damage.
- The dehumidifier must be operated in an enclosed area to be most effective.
- Close all doors, windows and other external openings in the room.

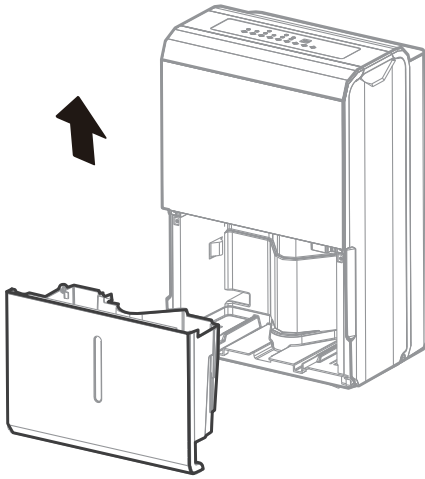
When using the unit

- When first using the dehumidifier, operate the unit continuously 24 hours. Make sure the plastic cover on the continuous drain hose outlet install properly so there are no leaks.
- This unit is designed to operate in a working environment between 5°C/41°F and 32°C/90°F, and between 30%(RH) and 80%(RH).
- If the unit has been switched off and needs to be switched on again quickly, allow approximately three minutes for the correct operation to resume.
- Do not connect the dehumidifier to a multiple socket outlet, which is also being used for other electrical appliances.
- Select a suitable location, ensure that access to the electrical outlet is convenient.
- Plug the unit into a electrical socket-outlet with earth connection.
- Ensure the Water bucket is correctly fitted otherwise the unit will not operate properly.

Note: When the water in the bucket reaches to a certain level, please be careful to move the machine to avoid it falling down.

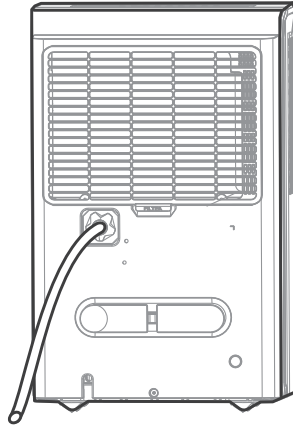
REMOVING THE COLLECTED WATER

There are three ways to remove collected water.



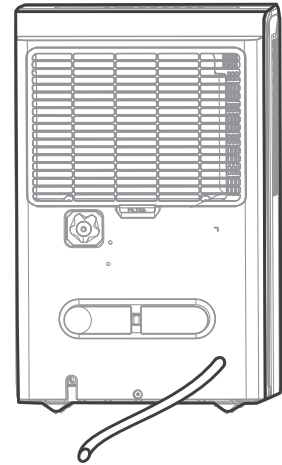
Type 1:

Bucket drainage



Type 2:

**water hose drainage
(continuous)**

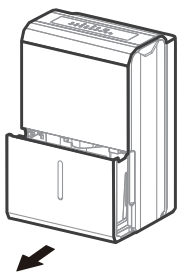


Type 3:

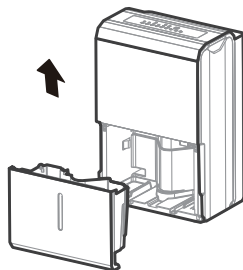
**Pump drainage
(Pump model only)**

Type 1: Use the bucket

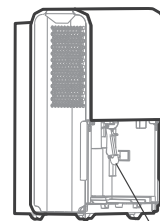
- When the unit is off, if the bucket is full, the Full indicator light will light.
- When the unit is on, if the bucket is full, the compressor and the fan turn off, and the Full indicator light will light, the digital display shows P2.
- Slowly pull out the bucket. Grip the left and right handles securely, and carefully pull out straightly so water does not spill. Do not put the bucket on the floor because the bottom of the bucket is uneven. Otherwise the bucket will fall and cause the water to spill.
- Throw away the water and replace the bucket. The bucket must be in right place and securely seated for the dehumidifier to operate.
- The unit will re-start when the bucket is restored in its correct position.



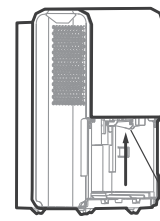
Step 1. Slightly pull bucket out.



Step 2. Hold both sides of the bucket with even strength, and remove from the unit.



Pump hose drops.



Reinstall pump hose properly

Step 3. Pour the water out.

NOTE

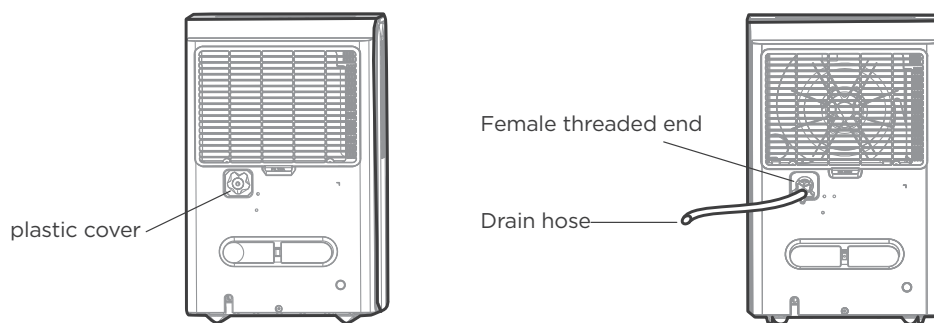
- When removing the bucket, avoid touching any internal parts of the unit, as this may cause damage. Ensure the bucket is pushed gently and fully into the unit; banging it or failing to secure it properly may prevent the unit from operating.
- If the pump hose drops when removing the bucket, it must be reattached properly to the unit before reinserting the bucket.
- When removing the bucket, any water left in the unit must be dried.
- When the unit is on, if the bucket is removed, the compressor and the fan turn off, then the unit will beep 8 times and the digital display shows Eb.
- When the unit is off, if the bucket is removed, the unit will beep 8 times and the digital display shows Eb.

Type 2: water hose drainage (continuous)

- Water can be automatically emptied into a floor drain by attaching the unit with a water hose (ID \geq Φ 5/16", not included) with a female threaded end (ID:M=1", not included)

Note: On some models, the female threaded end is included.

- Remove the plastic cover from the back drain outlet of the unit and set aside, then insert the drain hose through the drain outlet of the unit and lead the drain hose to the floor drain or a suitable drainage facility.



Step 1: Remove the plastic cover by counter-clockwise rotation.

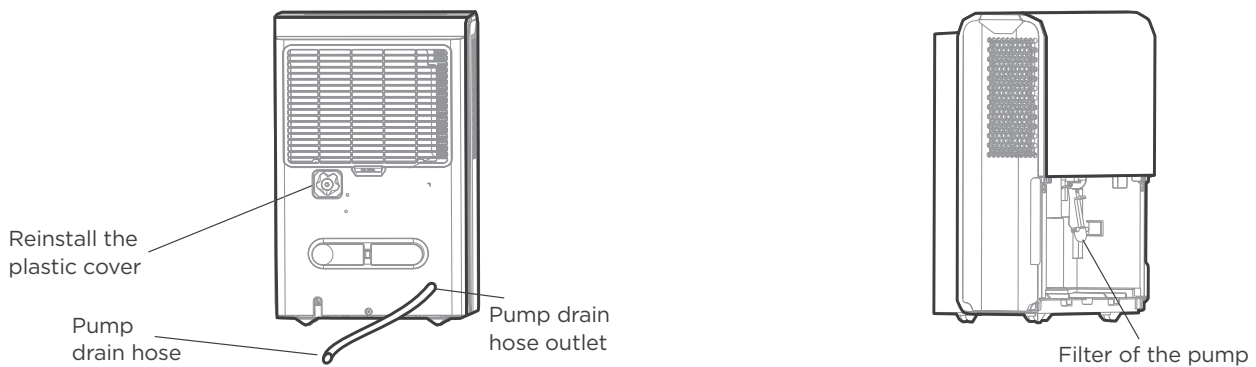
Step 2: Install the Female threaded end and connect the drain hose.

- When removing the plastic cover, any water in the back drain outlet of the unit must be dried. Ensure the hose is securely attached to prevent leaks, and that the end of the hose is level or angled downward to allow for smooth water flow.
- Direct the hose toward the drain, making sure that there are no kinks that will stop the water flowing. Make sure the water hose is lower than the drain hose outlet of the unit.
- Select the desired humidity setting and fan speed on the unit for continuous draining to start.

Note: When the continuous drainage feature is not being used, remove the drain hose from the outlet, and dry the water in the continuous drain hose outlet.

Type 3: Pump drainage (Pump model only)

- Water can be automatically emptied into a floor drain or a suitable drainage facility by attaching the pump drain outlet with a pump drain hose.
- Remove the continuous drain hose from the unit and install the plastic cover to the continuous drain hose outlet of the unit by clockwise rotation.
- Resert the pump drain hose into the pump drain hose outlet for depth of 15mm at least, then lead the water hose to the floor drain or a suitable drainage facility.



- Press the pump button of the unit to activated the pump operation. When the bucket is full, the pump starts to work.

Note: The pump may cause big noise when it starts to work for 3-5 minutes. It is a normal phenomenon.

- Make sure the hose is secure so there are no leaks.
- Direct the hose toward the drain, making sure that there are no kinks that will stop the water flowing.
- Place the end of the hose into the drain and make sure the end of the hose is level or down to let the water flow smoothly. Do never let it up. Select the desired humidity setting and fan speed on the unit for pump draining to start.

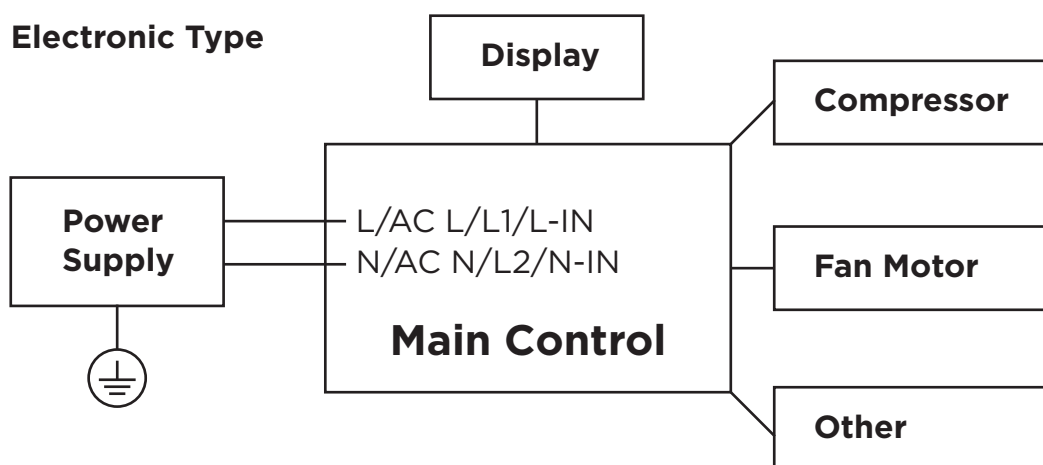
Note: The pump operation on light blinks at 1Hz when the pump is operational failure. Please turn off the unit and plug the power cord out. Check the following things: Remove the bucket from the unit, take down the pump and clean the filter of the pump.

- Check that the pump drain hose is connected or back connected.
- Empty the water of the bucket.
- Reinstall the pump hose if it drops and reinstall the bucket properly. Turn on the unit. If the error repeats, call for service.

Note: Do not use this operation when the outdoor temperature is equal to or less than 0 °C (32°F), otherwise water will freeze, leading to blocked pipes the unit failure. Make sure to empty the bucket once a week when using the pump draining feature. When the pump draining feature is not being used, remove the pump drain hose from the outlet.

- Press the pump drain hose outlet in and take the pump drain hose out from it. Make sure do not let the water in the pump hose drip to the floor.

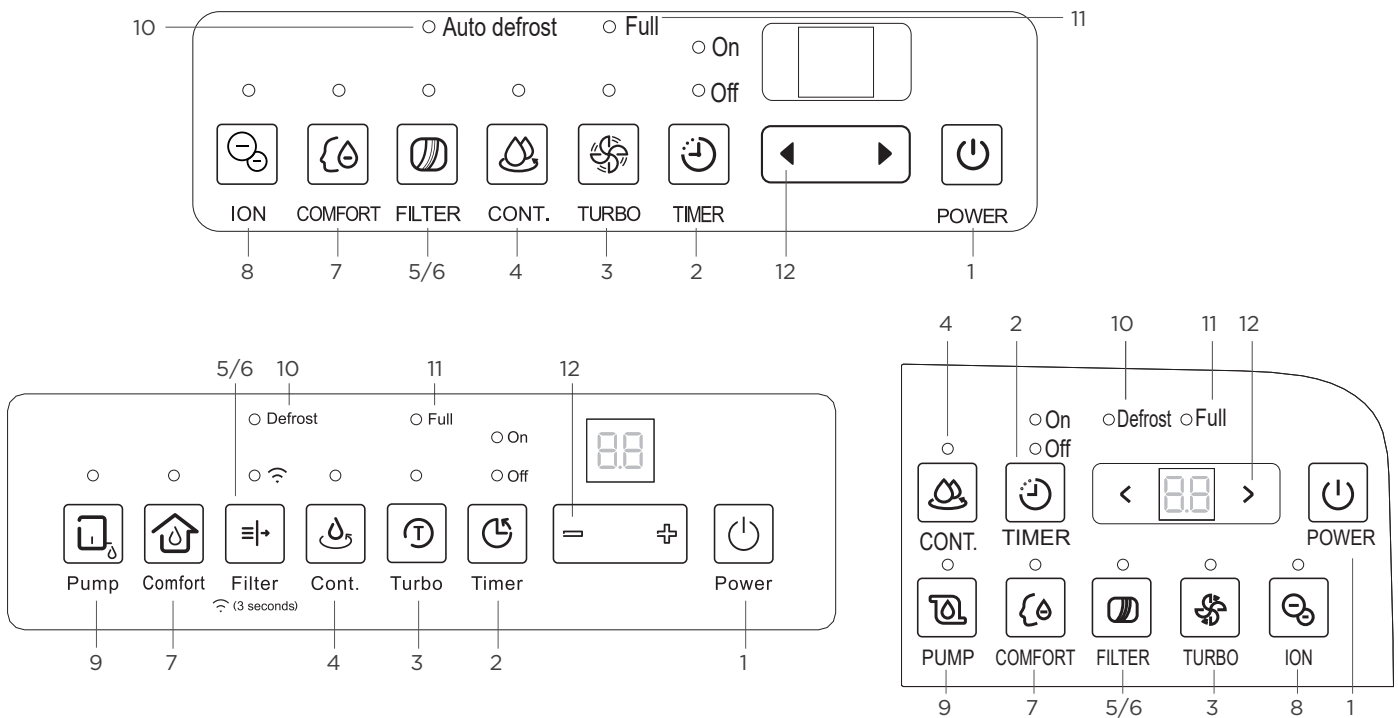
Electronic Work



NOTE: Please strictly follow the wiring label attached to the machine for all wiring connections. The wiring diagram may vary for different units. Please refer to the wiring diagram on the purchased unit. The above wiring diagram is a simplified version for preliminary illustration purposes only.

OPERATION INSTRUCTIONS

Control Panel



NOTE:

The following control panels are for illustrative purposes only. The actual control panel of the purchased unit may differ by model, with some indicators or buttons potentially missing. Please refer to the actual configuration.

		Description
1	Power ON/OFF	Press to turn the dehumidifier on and off.
2	Timer - Function	Press to initiate the Auto start and Auto stop feature, in conjunction with the ◀ and ▶ (or < and >) buttons.
3	TURBO - Function	Control the fan speed. Press to select either High or Normal fan speed. Set the fan control to High for maximum moisture removal. When the humidity has been reduced and quiet operation is preferred, set the fan control to Normal.
4	CONTINUE - Function	Press to activate the continuous dehumidifying operation.
5	FILTER - Function	The check filter feature is a reminder to clean the Air Filter for more efficient operation. The Filter light (Clean filter light) will illuminate after 250 hours of operation. To reset after cleaning the filter, press the Filter button and the light will go off.

		Description
6	WIRELESS - Function	Press the filter button for 3 seconds to initiate wireless connection mode. The LED display will show 'AP' to indicate readiness for connection, and the compressor will be forced off. If the connection to the router is successful within 8 minutes, the wireless indicator will illuminate, and the compressor will return to its previous state. If the connection fails within 8 minutes, the unit will automatically exit wireless connection mode.
7	COMFORT - Function	Press to activate the comfort dehumidifying operation. Note: On this operation, the unit can not be set humidity level. For some models, under comfort dehumidifying operation, press Up/Down button will cancel this feature.
8	ION - Function	Press to activate the ionizer. Anions are automatically generated by ionization. The anions deactivate the airborne chemical vapors and dust particles. Press it again to stop the function.
9	PUMP - Function	Press to activate the pump operation. NOTE: Make sure the pump drain hose is installed into the unit and the continuous drain hose is removed from the unit before the pump operation is activated. When the bucket is full, the pump starts to work. Refer to the pages 13-15 for removing the collected water. Do not use this operation when the outdoor temperatures equal to or less than 0° C (32° F).
10	Auto Defrost - Function	When frost builds up on the evaporator coils, the compressor will cycle frost the fan will continue to run until the compressor.
11	Bucket Full Light	Glows when the bucket is ready to be emptied.
12	UP/DOWN buttons	<ul style="list-style-type: none"> Humidity Set Control buttons The humidity level can be set within a range of 35% RH(Relative Humidity) to 85%RH(Relative Humidity) in 5% increments. For drier air, press the ◀ (or <) button and set to a lower percent value(%). For damper air, press the ▶ (or >) button and set a higher percent value(%). TIMER Set Control buttons Use the Up/Down buttons to set the Auto start and Auto stop time from 0 to 24.
13	DRYER - Function (Optional)	Press to activate the dryer operation. Press it again to stop the function.

Display

Shows the set humidity level from 35% to 85% or auto start/stop time (0-24) while setting, then shows the actual($\pm 5\%$ accuracy) room humidity level in a range of 30% RH(Relative Humidity) to 90%RH (Relative Humidity).

Error Codes and Protection Code:

AS-Humidity sensor error--Unplug the unit and plug it back in. If error repeats, call for service.

ES-Tube Temperature sensor of the evaporator error-- Unplug the unit and plug it back in. If error repeats, call for service.

P2-Bucket is full or bucket is not in right position-- Empty the bucket and replace it in the right position. (only available for the unit with no pump feature.)

P2-Bucket is full -- Empty the bucket. (only available for the unit with pump feature)

Eb-Bucket is removed or not in right position-- Replace the bucket in the right position.(only available for the unit with pump feature.)

Note: When one of the above malfunctions occurs, turn off the unit, and check for any obstructions. Restart the unit, if the malfunction is still present, turn off the unit and unplug the power cord. Contact the manufacturer or its service agents or a similar qualified person for service.

Auto Shut Off

The dehumidifier shuts off when the bucket is full, or when the bucket is removed or not replaced in the proper position. For some models, the fan motor will continue to run for 30 seconds.

Wait 3 minutes before resuming operation. After the unit has stopped, it can not be restarted operation in the first 3 minutes. This is to protect the unit. Operation will automatically start after 3 minutes.

Check filter feature

The system starts to count the time once the fan motor operates. The check filter feature can be only activated when the accumulated operation time achieves 250 hours or more. The Reset light(Clean filter indicator light) flashes at one time per second, after finishing cleaning the air filter, press the Filter button and the Reset light(Clean filter indicator light) goes off.

Auto-Restart

If the unit breaks off unexpectedly due to the power cut, it will restart with the previous function setting automatically when the power resumes.

Setting the Timer

- When the unit is on, first press the Timer button, the Timer Off indicator light illuminates. It indicates the Auto Stop program is initiated. Press it again, the Timer On indicator light illuminates. It indicates the Auto Start is initiated.
- When the unit is off, first press the Timer button, the Timer On indicator light illuminates. It indicates the Auto Start program is initiated. Press it again, the Timer Off indicator light illuminates. It indicates the Auto Stop is initiated.
- Press or hold the UP or DOWN button to change the Auto time by 0.5 hour increments, up to 10 hours, then at 1 hour increments up to 24 hours. The control will count down the time remaining until stop.
- The selected time will register in 5 seconds and the system will automatically revert back to display the previous humidity setting.
- When the Auto Start & Auto Stop times are set, within the same program sequence, Timer ON/OFF indicator lights illuminate identifying both On and Off times are now programmed.
- Turning the unit On or Off at any time or adjusting the timer setting to 0 will cancel the Auto Start/Stop function.
- When LED display window displays the code of P2, the Auto Start/Stop function will also be cancelled.

APP INSTRUCTIONS

Using the SmartHome App

CAUTION

Ensure that the mobile phone is connected to the wireless network. Bluetooth must be turned on. The device must also be powered up.

Step 1: Download the SmartHome app

Scan the QR code below to download the SmartHome app from app store or search for it directly on the Google Play Store or Apple's App Store.



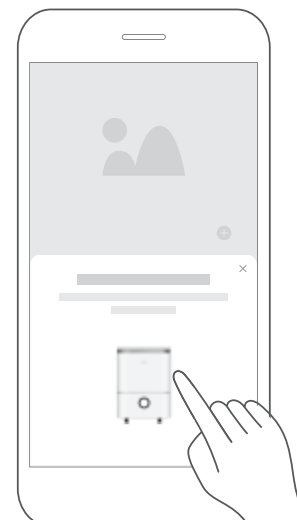
Step 2: Log in

Open the SmartHome app and log in with an existing account or create a new one. Alternatively, a third-party login platform can also be used.



Step 3: Connecting the device

- 1) Upon logging in, a message may appear stating "Smart devices discovered nearby." Tap to add the device.



2) If no such message appears, proceed as follows:

Tap the "+" icon and select your device from the list of nearby available devices.

If the device is not listed, add it manually by selecting the appropriate category, such as Dehumidifier.



3) Follow the steps in the app to connect the device to the wireless network. If the connection fails, refer to the additional instructions provided in the app.



Step 4: Controlling the device

After pairing successfully, a card (Fig. 1) will be created for the device in the SmartHome app.

Shortcuts for basic functions will appear on the card such as changing the humidity or switching the device on or off.

Tapping on the card, will reveal additional features and settings.

The actual design may look different from examples due to app updates.

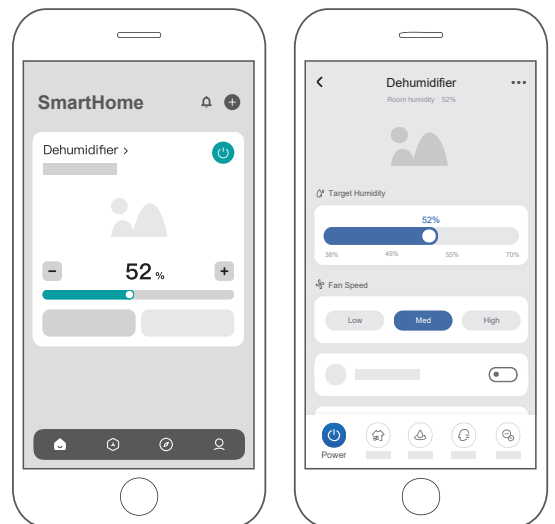


Fig. 1

- **Declaration of conformity**

FCC ID:2ADQOMDNA21

IC:12575A-MDNA21

This device complies with Part 15 of the FCC Rules and it contains licence exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Only operate the device in accordance with the instructions supplied.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected

Company will not be liable for any issues and problems caused by Internet, Wireless Router and Smart Devices. Please contact the original provider to get further help.

NOTICE:

All the illustrations in the manual are for explanation purpose only. The unit may be slightly different. The actual shape shall prevail.

CLEANING AND MAINTENANCE

Care and cleaning of the dehumidifier: Turn the dehumidifier off and remove the plug from the wall outlet before cleaning.

Clean the Grille and Case

- Use water and a mild detergent. Do not use bleach or abrasives.
- Do not splash water directly onto the main unit. Doing so may cause an electrical shock, cause the insulation to deteriorate, or cause the unit to rust.
- The air intake and outlet grilles get soiled easily, so use a vacuum cleaner attachment or brush to clean.

Clean the bucket

- Every few weeks, clean the bucket to prevent growth of mold, mildew and bacteria. Partially fill the bucket with clean water and add a little mild detergent. Swish it around in the bucket, empty and rinse.

Note: Do not use a dishwasher to clean the bucket. After clean, the bucket must be in place and securely seated for the dehumidifier to operate.

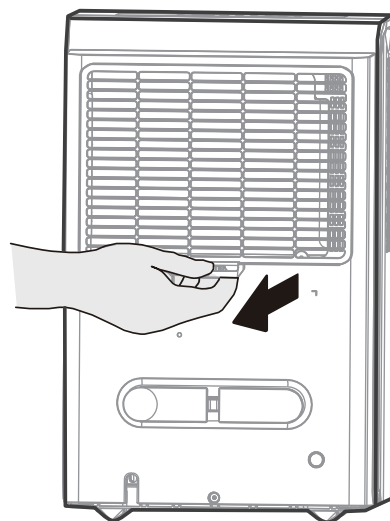
Clean the air filter

- Remove the filter every two weeks based on normal operating conditions.
- To remove the filter, pull filter outwards.
- Wash the filter with clean water then dry.
- Re-install the filter, replace Bucket.



CAUTION

DO NOT operate the dehumidifier without a filter because dirt and lint will clog it and reduce performance.



When not using the unit for long time periods

- After turning off the unit, wait one day before emptying the bucket.
- Clean the main unit, water bucket and air filter.
- Wrap the cord with the power cord buckle.
- Cover the unit with a plastic bag.
- Store the unit upright in a dry, well-ventilated place.

TROUBLESHOOTING TIPS

Problem	What to check
Unit does not start	<p>Make sure the dehumidifier's plug is pushed completely into the outlet. Check the house fuse/circuit breaker box. Dehumidifier has reached its preset level or bucket is full. Water bucket is not in the proper position.</p>
Dehumidifier does not dry the air as it should	<p>Did not allow enough time to remove the moisture. Make sure there are no curtains, blinds or furniture blocking the front or back of the dehumidifier. The humidity control may not be set low enough. Check that all doors, windows and other openings are securely closed. Room temperature is too low , below 5°C(41°F). There is a kerosene heater or something giving off water vapor in the room.</p>
The unit makes a loud noise when operating	<p>The air filter is clogged. The unit is tilted instead of upright as it should be. The floor surface is not level.</p>
Frost appears on the coils	<p>This is normal. The dehumidifier has Auto defrost feature.</p>
Water on floor	<p>Hose to connector or hose connection may be loose. Intend to use the bucket to collect water, but the back drain plug is removed.</p>
ES, AS,P2,Eb appear in the display	<p>These are error codes and protection codes. See the CONTROL PANEL FEATURES section. (Page 18)</p>
The pump operation on light blinks at 1Hz	<p>Clean the filter of the pump. Check the pump hose is not blocked or leaking. Empty the water of the bucket.</p>

WARRANTY

Dehumidifier Limited Warranty

Your product is protected by this Limited Warranty:

Warranty service must be obtained from Midea Consumer Services or an authorized Midea servicer.

Warranty

- One year limited warranty from the date of delivery or the purchase date, whichever is later. The date of delivery establishes the warranty period, should service be required.

Midea, through its authorized servicers will:

- Pay all costs for repairing or replacing parts of this appliance which prove to be defective in materials or workmanship.

Consumer will be responsible for:

- Diagnostics, removal, transportation and reinstallation cost required because of service.
- Costs of service calls that are a result of items listed under NORMAL RESPONSABILITIES OF THE CONSUMER**

Midea replacement parts shall be used and will be warranted only for the original warranty.

NORMAL RESPONSABILITIES OF THE CONSUMER**

This warranty applies only to products in ordinary household use, and the consumer is responsible for the items listed below:

1. Proper use of the appliance in accordance with instructions provided with the product.
2. Routine maintenance and cleaning necessary to keep the good working condition.
3. Proper installation by an authorized service professional in accordance with instructions provided with the appliance and in accordance with all local plumbing, electrical and/or gas codes.
4. Proper connection to a grounded power supply of sufficient voltage, replacement of blown fuses, repair of loosen connections or defects in house wiring.
5. Expenses for making the appliance accessible for servicing.
6. Damages to finish after installation.

EXCLUSIONS

This warranty does not cover the following:

- 1) Failure caused by damage to the unit while in your possession (other than damage caused by defect or malfunction), by its improper installation, or by unreasonable use of the unit, including without limitation, failure to provide reasonable and necessary maintenance or to follow the written installation and Operating Instructions.
- 2) Damages caused by services performed by persons other than authorized Midea customer service; or external causes such as abuse, misuse, inadequate power supply or acts of God.
- 3) If the unit is put to commercial, business, rental, or other use or application other than for consumer use, we make no warranties, express or implied, including but not limited to, any implied warranty of merchantability or fitness for use or purpose.
- 4) Products without original serial numbers or products that have serial numbers which have been altered or cannot be readily determined.

NOTE: Some states do not allow the exclusions or limitation of incidental or consequential damages. So this limitation or exclusion may not apply to you.

IF YOU NEED SERVICE

Keep your bill of sale, delivery slip, or some other appropriate payment Record.

The date on the bill establishes the warranty period, should service be required.


If service is performed, it's your best interest to obtain and keep all receipts.

This written warranty gives you specific legal rights. You may also have other rights that vary from state to state.

Service under this warranty must be obtained by following these steps, in order:

- 1) Contact Midea Consumer Services or an authorized Midea services at 1 866 646 4332.
- 2) If there is a question as to where to obtain service, contact our consumer relations Department.

TRADEMARKS, COPYRIGHTS AND LEGAL STATEMENT

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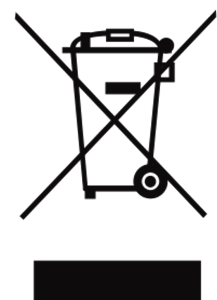
All the described functions and instructions were up to date at the time of printing this manual. However, the actual product may vary due to improved functions and designs.

DISPOSAL AND RECYCLING

Important instructions for environment(European Disposal Guidelines)

Compliance with the WEEE Directive and Disposing of the Waster Product:
This product complies with EU WEEE Directive. This product bears a classification symbol for waster electrical and electronic equipment (WEEE).

This symbol indicates that this product shall not be disposed with other household wastes at the end of its service life. Used device must be returned to official collection point for recycling of electrical and electronic devices. To find these collection systems, please contact to the local authorities or retailer where the product was purchased. Each household performs important role in recovering and recycling of old appliance. Appropriate disposal of used appliance helps prevent potential negative consequences for the environment and human health.



DATA PROTECTION NOTICE

For the provision of the services agreed with the customer, we agree to comply without restriction with all stipulations of applicable data protection law, in line with agreed countries within which services to the customer will be delivered, as well as, where applicable, the EU General Data Protection Regulation (GDPR).

Generally, our data processing is to fulfill our obligation under contract with you and for product safety reasons, to safeguard your rights in connection with warranty and product registration questions. In some cases, but only if appropriate data protection is ensured, personal data might be transferred to recipients located outside of the European Economic Area.

Further information are provided on request. You can contact our Data Protection Officer via **MideaDPO@midea.com**. To exercise your rights such as right to object your personal data being processed for direct marketing purposes, please contact us via **MideaDPO@midea.com**. To find further information, please follow the QR Code below.

The design and specifications are subject to change without prior notice for product improvement. Consult with the sales agency or manufacturer for details. Any updates to the manual will be uploaded to the service website, please check for the latest version.



make yourself at home



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