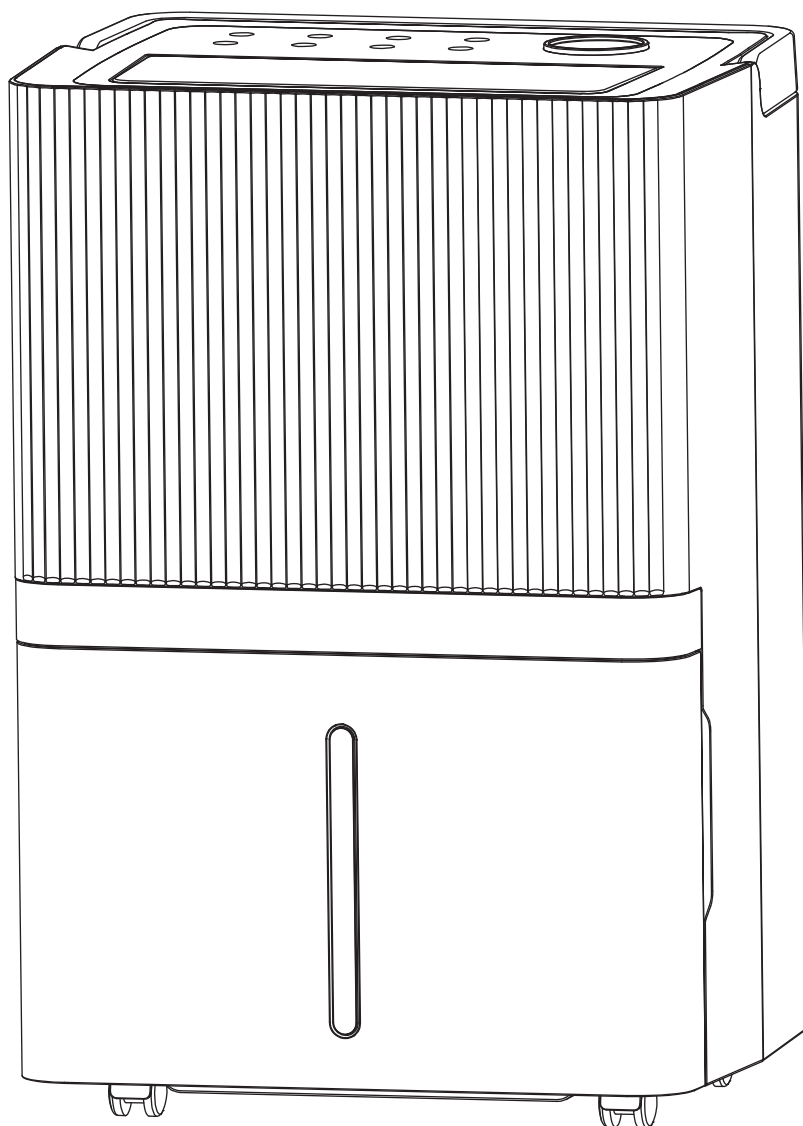


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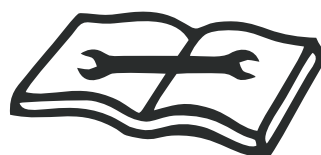
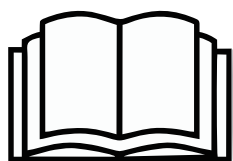
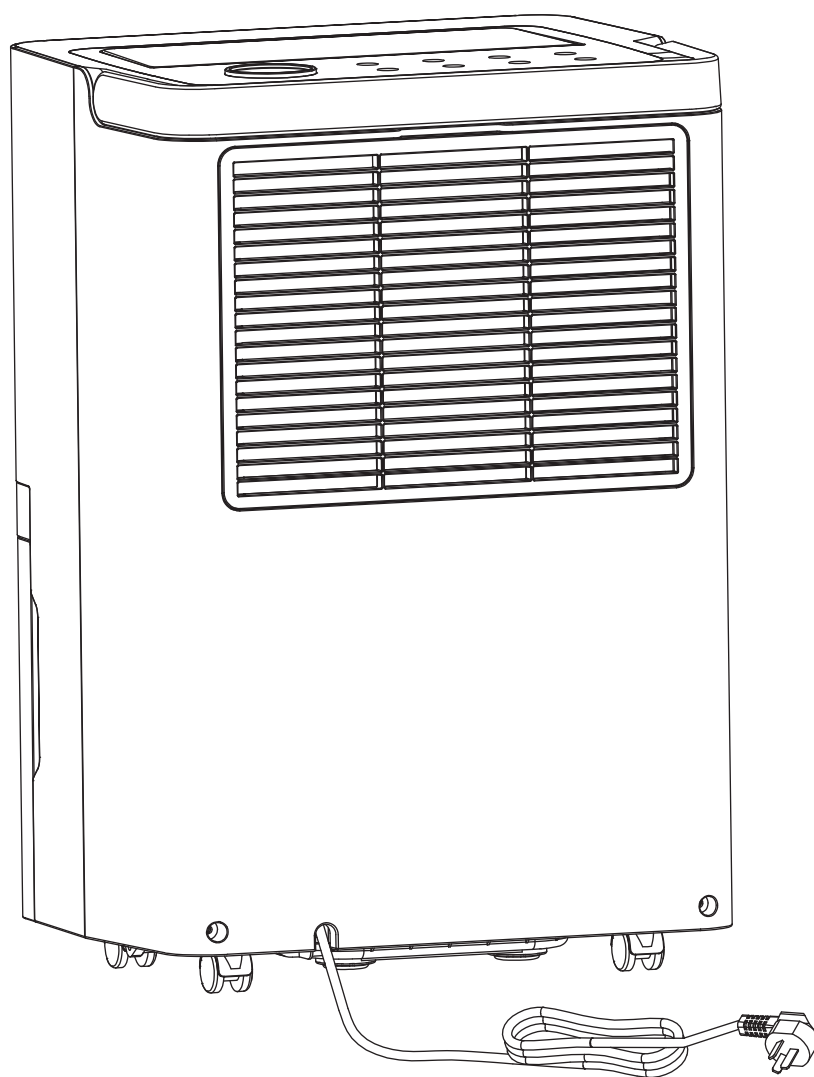
INSTRUCTION MANUAL

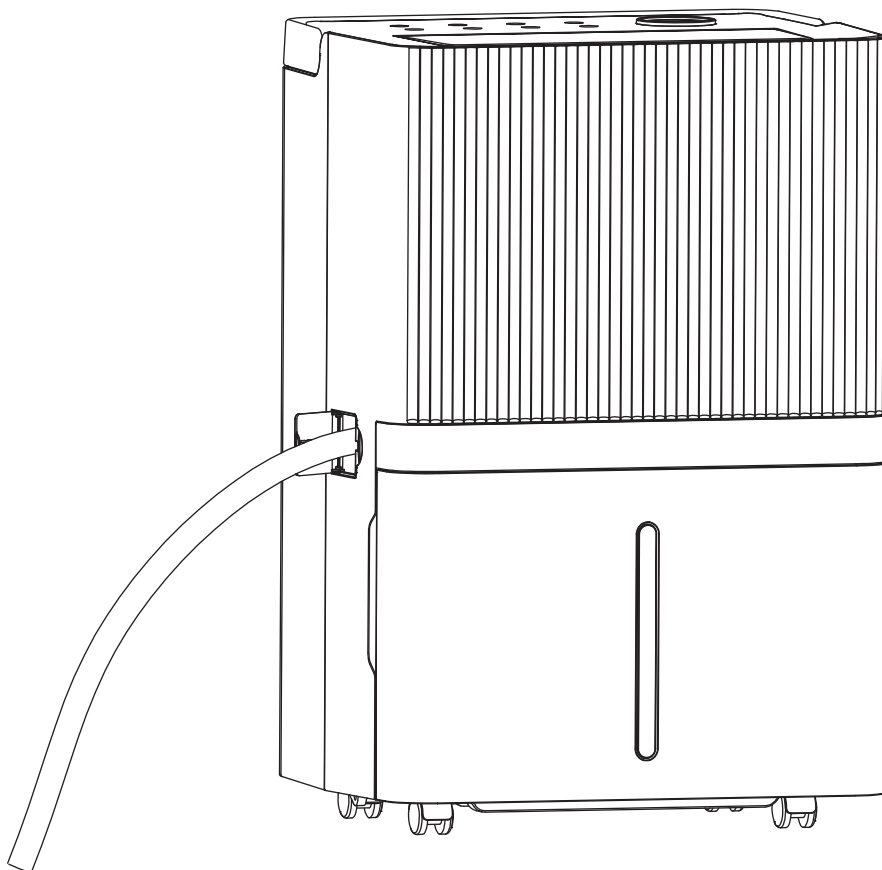
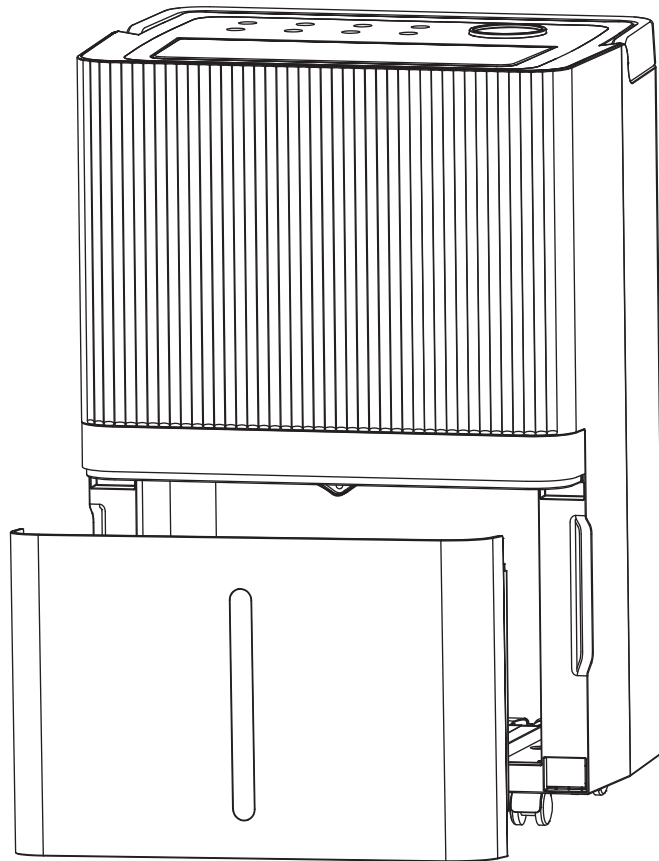


Please keep this manual carefully for further reference!

Thank you for selecting our dehumidifier. Be sure to read this manual carefully before using it.
Any questions, please contact the professional service for help.

HOME PORTABLE DEHUMIDIFIER





CONETENT

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01

BEFORE YOU BEGIN

**Please read the operating instructions carefully before using
your dehumidifier for the first time**

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1.1 PRODUCT DESCRIPTION

The dehumidifier is used to remove excessive moisture from the air.

The resulting reduction in relative humidity protects buildings and their contents from the adverse effects of excess humidity.

The environmentally friendly R32 is used as the refrigerant.

R32 has no damaging influence on the ozone

layer (ODP), a negligible greenhouse effect (GWP) and is available worldwide.

Because of its efficient energy properties, R32 is highly suitable as a coolant for this application.

Special precautions must be taken into consideration due to the coolant's high flammability.

SYMBOLS FROM THE UNIT AND USER MANUAL



This unit uses a flammable refrigerant.
If refrigerant leaks and comes in contact with fire or heating part, it will create harmful gas and there is risk of fire.



Read the USER MANUAL carefully
before operation.



Further information is available in the
USER MANUAL, SERVICE MANUAL,
and the like.



Service personnel are required to carefully
read the USER MANUAL and SERVICE MANUAL
before operation.

1.2 THE FOLLOWING SHOULD ALWAYS BE OBSERVED FOR SAFETY

- This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- The unit is designed only for use with R-32(propane) gas as the designated refrigerant.
- The refrigerant loop is sealed. Only a qualified technician should attempt to service!
- **Do not** discharge the refrigerant into the atmosphere.
- R-32 (propane) is flammable and heavier than air.
It collects first in low areas but can be circulated by the fans.
- If propane gas is present or even suspected, do not allow untrained personnel to attempt to find the cause.
- The propane gas used in the unit has no odor
- The lack of smell does not indicate a lack of escaped gas.
- If a leak is detected, immediately evacuate all persons from the store, ventilate the room and contact the local fire department to advise them that a propane leak has occurred.
- **Do not** let any persons back into the room until the qualified service technician has arrived and that technician advises that it is safe to return to the store.
- **No open** flames, cigarettes or other possible sources of ignition should be used inside or in the vicinity of the units. Component parts are designed for propane and non-incentive and non-sparking.
- Component parts shall only be replaced with identical repair parts.

WARNING

FAILURE TO ABIDE BY THIS WARNING COULD RESULT IN



AN EXPLOSION



DEATH



INJURY



PROPERTY DAMA



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

02

FOR YOUR SAFETY

Your safety is the most important thing we concerned!

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2.1 OPERATIONAL PRECAUTIONS

WARNING

To reduce the risk of fire, electric shock or injury to persons or property:

- 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.
- 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.
- Always use a power outlet that is grounded.
- 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** use an extension cord or an adapter plug.
- **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.
- **Do not** piece or burn, even after use.
- Be aware that refrigerants may not contain an odour.
- Pipe-work shall be protected from physical damage and shall not be installed in an unventilated space, if that space is smaller than 4m².
- Compliance with national gas regulations shall be observed.
- Keep any required ventilation openings clear of obstruction.
- The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.

**WARNING**

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.

**WARNING**

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.



If you don't understand something or need help, please contact the dealer services

2.2 SAFETY PRECAUTIONS ON SERVICING

Please follow these warnings when to undertake the following when servicing a dehumidifier with R32.



2.2.1 Checks to the area

Prior to beginning work 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.



2.2.2 Work procedure

Prior to beginning work 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.



2.2.3 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 material.



2.2.4 Checking for presence of refrigerant

Prior to beginning work 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.



2.2.5 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.



2.2.6 No ignition sources

No person carrying out work in relation to a refrigeration 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.



2.2.7 Ventilated area

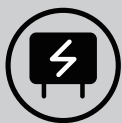
Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.



2.2.8 Checks to the refrigeration equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. 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 charge size is in accordance with the room size within which the refrigerant containing parts are installed;
- The ventilation machinery and outlets are operating adequately 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;
- refrigeration 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.



2.2.9 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 compromise 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 all parties are advised. Initial safety checks shall include:

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

03

PRODUCT OVERVIEW

Please refer to this section for product appearance.

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3.1 PRODUCT VIEW

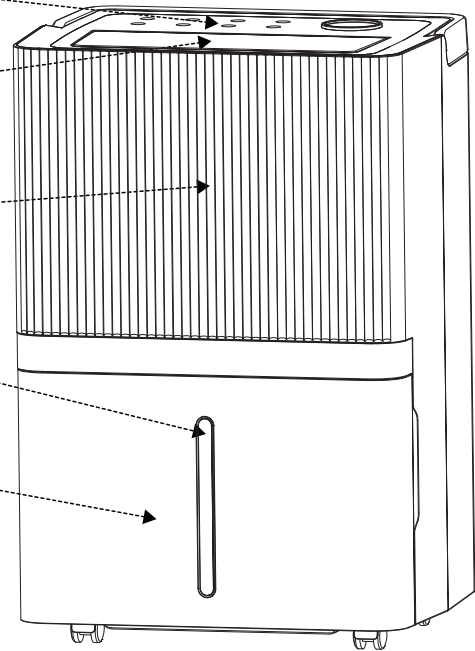
① Operational panel

② Air outlet

③ Front shell

④ Water Level mirror

⑤ Water tank



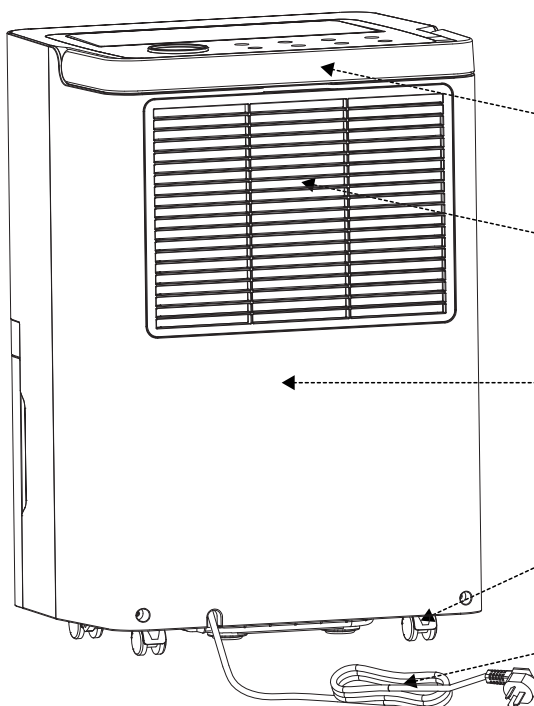
⑥ Handle

⑦ Filter frame

⑧ Back shell

⑨ Universal wheel

⑩ Power cord



04

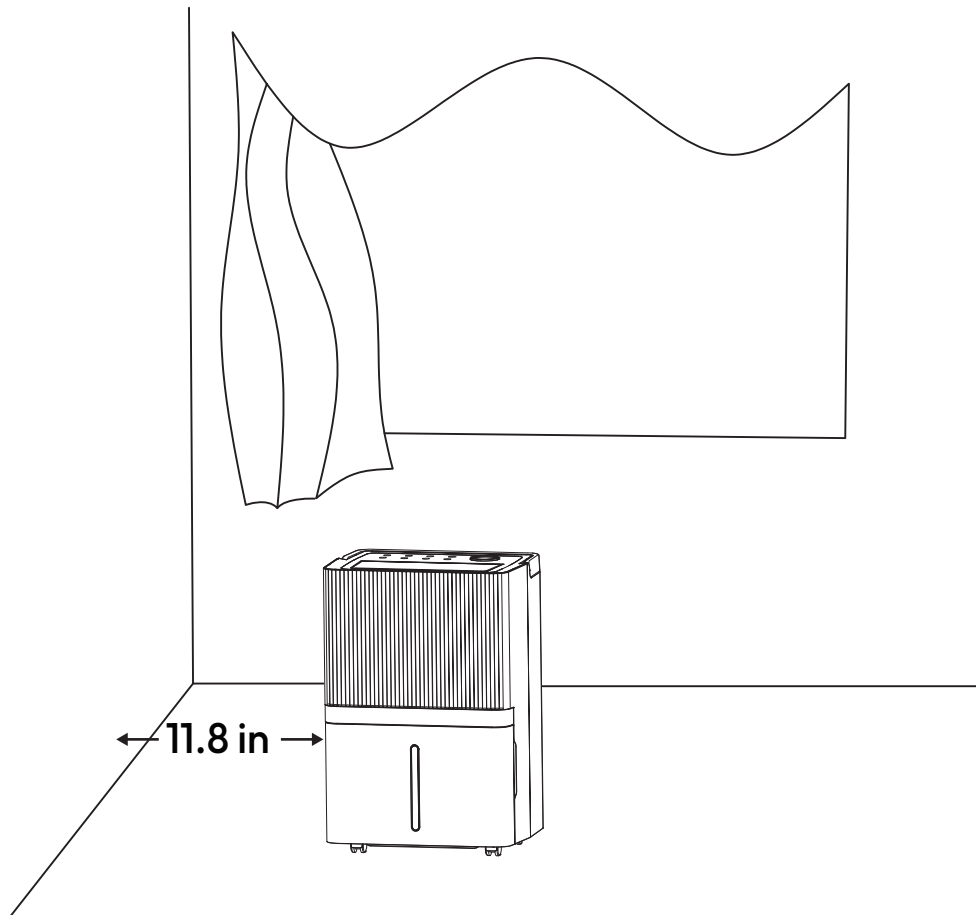
INSTALLATION METHODS

For detailed installation please read this section.

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4.1 LOCATION

1. Place the unit on a firm, level surface in an area with at least 11.8 in of free space around it to allow for proper air circulation.



2. Never install the unit where it could be subject to :

- Heat sources such as radiators, heat registers, stoves or other products that produce heat.
- In an area where oil or water may be splashed
- Direct sunlight
- Mechanical vibration or shock
- Excessive dust
- Lack of ventilation, such as cabinet or bookcase
- Uneven surface

**WARNING**

Install the unit in rooms which exceed **43.06 sq. ft.**
Do not install the unit in a place where inflammable gas may leak.

**NOTE**

The manufacture may provide other suitable example or may provide additional information about the refrigerant odour.

4.2 OPERATING THE DEVICE SAFELY

- Check the device after unpacking for any damages or scratches on it.
- Operate this unit in an ambient temperature from 41°F to 95°F.
- **Do not** use in the outdoors. This dehumidifier is intended for indoor residential applications only.
- **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.
- Adjusting the wind deflector in the upward direction prior to start up.
- If tipped more than 45°, allow the unit to set upright for at least 24 hours before start up.
- Keep doors and windows close for better energy saving.
- Do not operate or store the unit in direct sunlight or rain.
- It is normal for air outlet to feel warm to touch after continuous operation on hot days.
- Empty the water tank before moving the device.
- Make sure the water tank is correctly fitted otherwise the unit will not operate properly.
- The dehumidifier starts up in the mode selected when the unit was last used.
- The dehumidifier starts dehumidifying if the room humidity is 3% higher than the selected humidity.
- There is a protective 3-minutes time delay of the compressor. Wait 3 minutes for the dehumidifier to resume dehumidification.

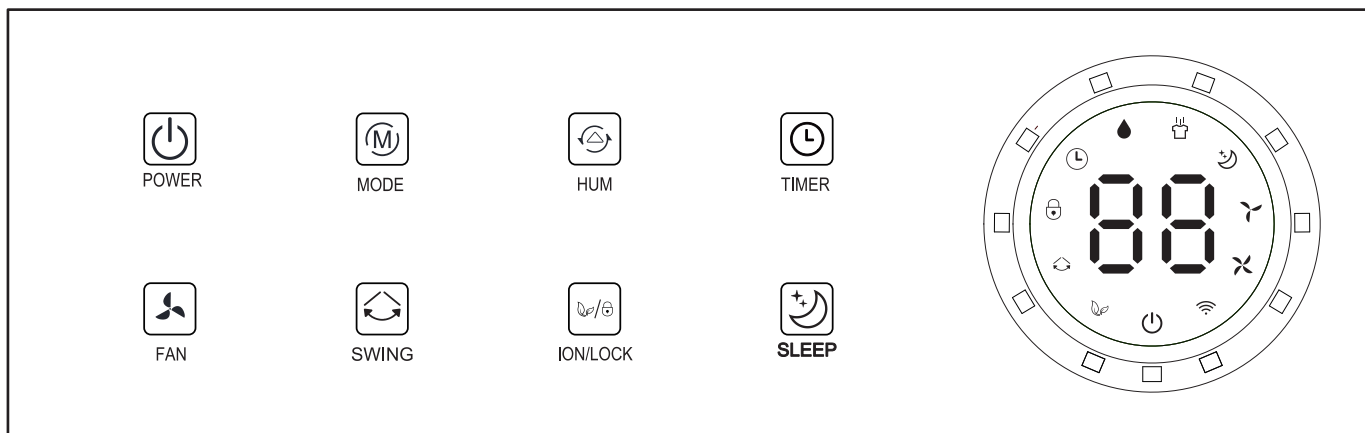
05

OPERATION METHODS

Please refer to this section for details on how to use the buttons.

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5.1 CONTROL PANEL



Power



Press the STAND-BY button to turn on the machine, the running indicator lights up and the default fan speed is high, and the default humidity setting is 50%. When the machine is running, press the power button to turn off, the running indicator light goes off and the compressor and motor will stop.

Mode button

Press the mode button to switch between Drying and Continuously dehumidify mode.



- **Auto mode:** when environmental **humidity** \geq **set humidity +3%**, the fan starts working and compressor starts working after 3 seconds. When environmental **humidity** \leq **set humidity -3%**, the compressor stops working and fan stops working after 30 seconds' delay. Both fan speed and humidity setting can be adjusted under Auto mode.

- **Continuously dehumidify mode:** In this mode, The machine will continue to run in high fan speed, fan speed is adjustable, humidity setting can not be adjusted.

- **Drying mode:** Continuously dehumidify mode cycle, press once to switch the mode from one to another, the corresponding indicator will light up. Indicator lights and display screen will be off or darken. In sleeping mode, when the water tank is full, the machine will not alarm, but the water tank full indicator light will be on (red color) to remind that the water tank is full and you need to empty the water tank.



Timer button

Press the timing key to set timing / check timing / cancel timing

a) In the non timing state: press the timing key to enter the timing setting state.

The digital screen flashes to display the timing time. During the flashing period of the digital screen, press the adjustment key to adjust the timing time (0 ~ 24h).

b) In the timing state: press the timing key, and the digital screen flashes to display the remaining timing time. Press the timing key again during the flashing period of the digital screen to cancel the timing.



Fan Speed button

Press this button to switch the fan speed between high and low fan speed cycle, and the corresponding indicator light will be on .



Child-Lock

Press and hold this button for **3 seconds** to open the child lock function ,the indicator light will be on and you can not operate other buttons . Press and hold this button for 3 seconds again to turn off the child-lock function ,the indicator light will be off.

ION

Press this button to turn on or off the ionizer purification function.



Swing Button

Press the swing button to turn on or off the swing function,and press again to fixed wind direction.



Sleep Mode

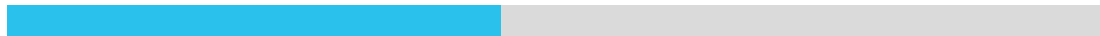
Touch the sleep button to turn on/off sleep funtion.In sleep mode ,except sleeping mode indicator light , other indicator lights and display screen will be off or darken.In sleeping mode, when the water tank is full , the machine will not alarm , but the water tank full indicator light will be on (red color) to remind that the water tank is full and you need to empty the water tank

Three-color light

(Displays the ambient humidity: under the startup state, the three-color light displays the current ambient humidity)



The light show Blue



Ambient Humidity < 45%



The light show Green



45% < Ambient Humidity < 65%



The light show Red



Ambient Humidity > 65%

Auto defrost function

When the **ambient temperature** $\leq 41^{\circ}\text{F}$, the whole machine enters the auto defrost program, and the corresponding mode indicator flashes during defrosting, compressor stop working while defrost.

06

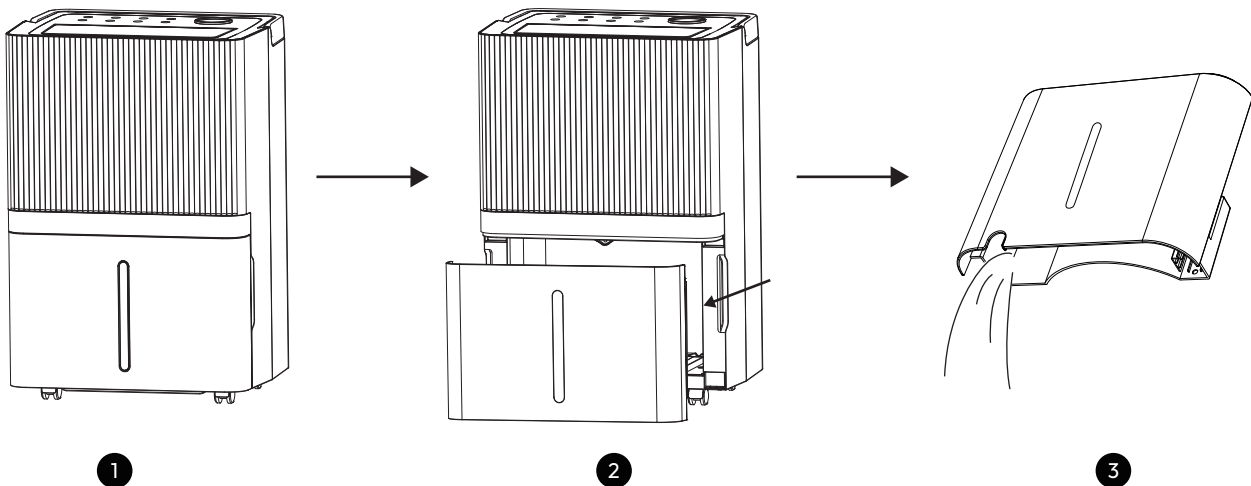
DRAINAGE METHODS

Please refer to this section for drainage methods.

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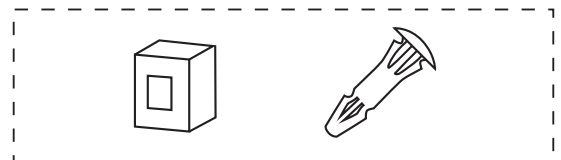
6.1 EMPTYING THE WATER TANK

- When the tank is full, The unit will make a buzzing sound, screen will show "FL" and the Water Full light will turn on.
- Press the POWER button to turn off the unit.
- Pull on the water tank and simply slide out of the body of the dehumidifier.
- Empty the water into an area with a drain or outside.
- Clean the inside of the tank as well as the outside.
- Replace the empty tank back into the unit.
- Press the POWER button to resume operating.
- If the Water Full light does not extinguish, check that the float is correctly in place.



WARNING

1. **Do not** discard water tank magnets and plastic rivets. Otherwise, the machine will not automatically stop working when the water tank is full, and the condensed water will overflow and damage the floor of the room.



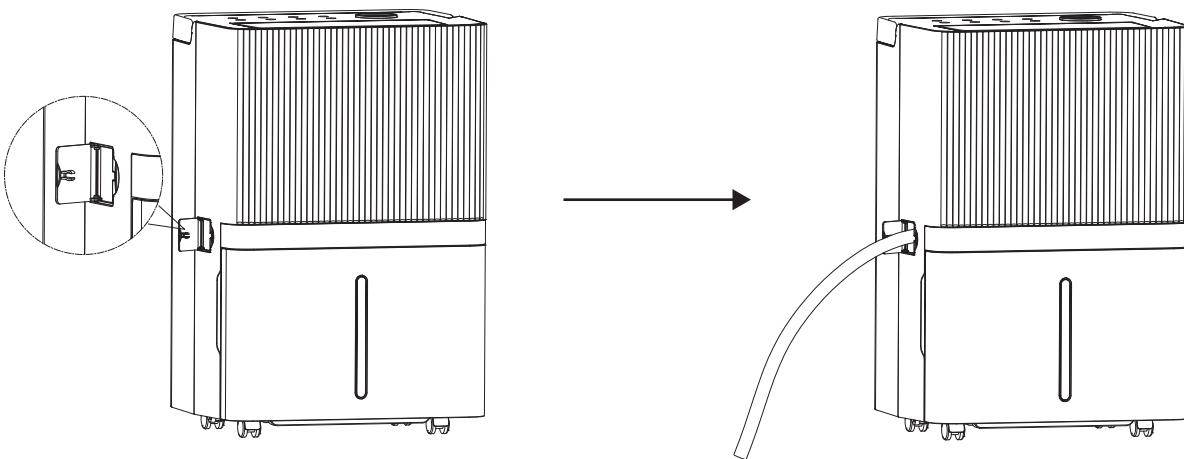
2. Please be sure to clean the condensed water in the water tank before resetting the working mode of the machine.

3. If the water tank is dirty, rinse it with clean water. Avoid using detergents, steel balls, chemical dust removers, diesel oil, benzene, diluents or other solvents. Otherwise, the water tank will be damaged and leak

4. Replace the empty tank back into the unit. Otherwise, the water full indicator may remain red and the machine cannot restart.

6.2 CONTINUOUS DRAINING

For continuous operation or unattended dehumidification, please connect the attached drain hose to the unit. Condensate water can be automatically flow into a bucket or drain by gravity.



① Straighten the drainage pipe

② Insert one end of the drain into the drain into the cistern hole and connect the other end to the bathroom, outdoor or bucket like container, or the prescribed drainage area.

⚠ WARNING



Do not block the drain or drain pipe, if the phenomenon of blocking, condensed water will flow into the water tank.



Do not bend the drain pipe. The height of the drain pipe should be lower than the outlet.



The drain pipe shall be securely connected to the outlet.

07

MAINTENANCE METHODS

Please refer to this section on how to maintain the machine.

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! NOTE

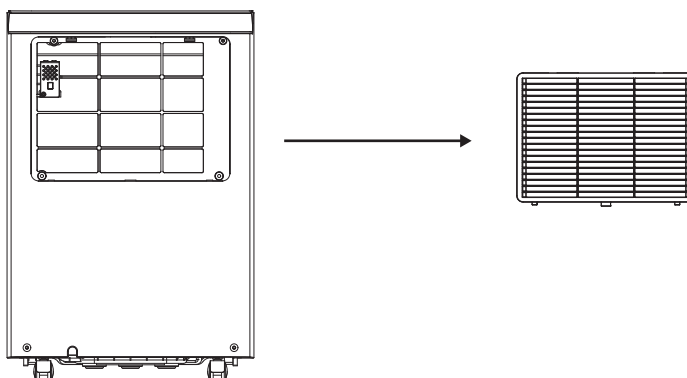
Before cleaning and maintaining the machine, be sure to turn off the machine and pull the power plug to prevent electric shock

7.1 CLEANING THE AIR FILTER

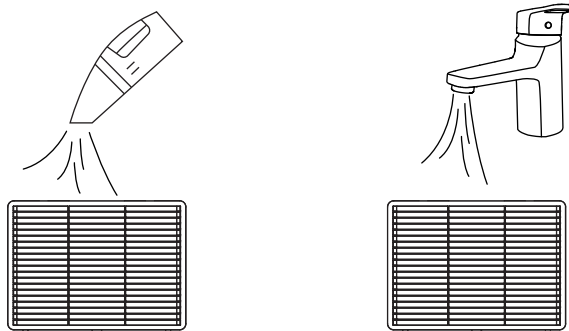
Dust collects on the filter and restricts the airflow. The restricted airflow reduces the efficiency of the system and if it becomes blocked it can cause damage to the unit. The air filter requires regular cleaning. The air filter is removable for easy cleaning. Do not operate the unit without an air filter, or the evaporator may be contaminated.

1

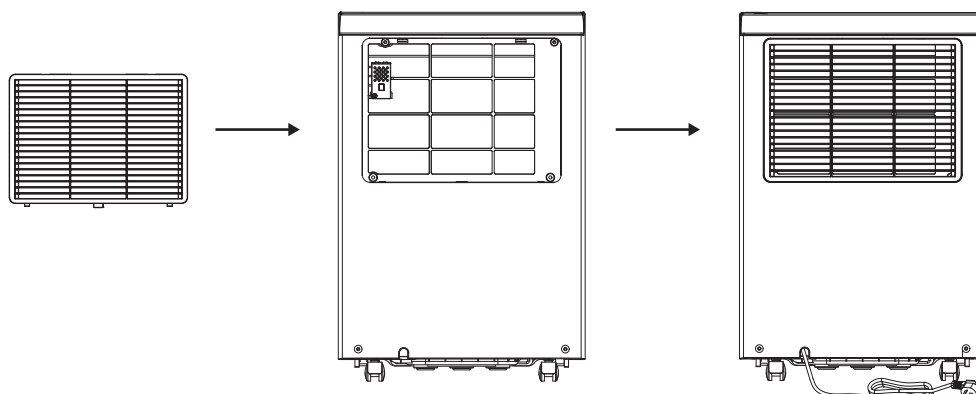
Pull out the filter from the bottom of the rear shell,

**2**

Use a vacuum cleaner to gently absorb the dust on the surface. If the filter is very dirty, wash it with water and a soft detergent and dry it thoroughly afterwards.

**3**

Put the filter back.



08

TROUBLE SHOOTING

Please refer to this section on how to maintain the machine.

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8.1 FUNCTIONING TEMP

$41^{\circ}\text{F} \leq \text{Ambient Temp.} \leq 95^{\circ}\text{F}$

When the ambient temp is lower or higher than the functioning temp, the dehumidifier stops.

When $41^{\circ}\text{F} \leq \text{Ambient temp.} \leq 60.8^{\circ}\text{F}$, the compressor automatically defrosts at intervals; during defrosting, the compressor stops and the fan keeps running.

8.2 BEFORE CALLING FOR SERVICE

Before contacting professional service, please review the trouble shooting list that includes common occurrences that are not the result of a defect in workmanship or materials. ent temp is lower or higher than the functioning temp, the dehumidifier stops.

Problem	Possible Causes	Solution
Not working	No power supply Water Full Indication Flashes	Connect to a functioning outlet and switch on Check the fuse or the circuit breaker. Drain water tank and reset it, or re-position the water tank to right place
Bad functioning	Is the air filter clogged? Is the intake duct or discharge duct obstructed?	Clean the air filter as instructed Remove the obstruction from the discharge duct or intake duct.
No air intake	Is the filter clogged?	Wash the filter
Loud noise when running	Is the machine put in the plat place? Is the filter clogged?	Put the machine on the plat ground Wash the filter
E2	Ambient temperature and humidity sensor problem	Change a sensor
E1	The defrosting sensor is faulty	Change a sensor
FL	Water full protection	Dump the water in the tank in time
EF	Motor damaged	Change a motor

ECOMMISSIONING

STORAGE

Long-term storage - If you will not be using the unit for an extended period of time (more than a few weeks) it is best to clean the unit and dry it out completely. 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.

⚠ **ATTENTION:**

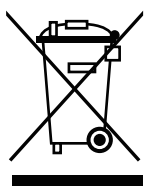
The evaporator inside the machine has to be dried out before the unit is packed to avoid component damage and molds. Unplug the unit and place it in a dry open area for days to dry it out. Another way to dry the unit is to set the humidity point more than 5% higher than the ambient humidity to force the fan to dry the evaporator for a couple of hours.

DISPOSAL



WARNING!!!

**Releasing refrigerant into 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 the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being

HOME PORTABLE DEHUMIDIFIER

Enjoy the comfortable air of your home