

Dehumidifier
ES10403US-YE

THIS INSTRUCTION BOOKLET CONTAINS **IMPORTANT** SAFETY INFORMATION.
PLEASE READ AND KEEP FOR FUTURE REFERENCE.

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Before You Start

- ⚠ Please read all instructions carefully.
- ⚠ Retain instructions for future reference.
- ⚠ Separate and count all parts and hardware.
- ⚠ Read through each step carefully and follow the proper order.
- ⚠ We recommend that, where possible, all items are assembled near to the area in which they will be placed in use, to avoid moving the product unnecessarily once assembled.
- ⚠ Always place the product on a flat, steady and stable surface.
- ⚠ Keep all small parts and packaging materials for this product away from babies and children as they potentially pose a serious choking hazard.

Before You Begin

1.1 PRODUCT DESCRIPTION

This dehumidifier removes moisture of room, which is commonly used in basement, warehouse, villa and many so on.

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, the R32 is highly suitable as a coolant for this application. Precautions must be taken into consideration due to the coolant's flammability.

1.2 SYMBOLS FROM THE UNIT AND USER MANUAL

| | |
|---|---|
|  WARNING | This unit uses a flammable refrigerant. If refrigerant leaks and comes in contact with fire or heating part, it will cause 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. |

● THE FOLLOWINGS SHOULD ALWAYS BE OBSERVED FOR SAFETY

- 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.
- This appliance is designed to use indoor, not for outdoor.
- The unit is designed only for use with R32(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.
- R32 (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 room.
- 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.

- FAILURE TO ABIDE BY THIS WARNING COULD RESULT IN AN EXPLOSION, DEATH, INJURY AND PROPERTY DAMAGE.

FOR YOUR SAFETY

Your safety is the most important thing we concerned!



WARNING

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

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 or similarly qualified persons in order to avoid a hazard.
- The appliance shall be disconnected from its power source during service.
- 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 it with wet hands to 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 manufacturer.
- 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 odor.

- Pipe-work shall be protected from physical damage and shall not be installed in an unventilated space, if that space is smaller than 4m²/43sq.ft.
- 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.

2.2 SAFETY PRECAUTIONS ON SERVICING

Please follow these warnings when to undertake the followings when servicing an appliance 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

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.

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. Working in confined spaces shall be avoided. The area around the work space 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

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. no sparking, adequately sealed or intrinsically safe.

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.

Warning:

1. Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
2. The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
3. Do not pierce or burn.
4. Be aware that refrigerants may not contain an odor.

Safety Instructions During Servicing:

1. The manual shall contain specific information about the required qualification of the working personnel for maintenance, service and repair operations. Every working procedure that affects safety means shall only be carried out by competent persons.
2. Prior to beginning work on systems containing FLAMMABLE REFRIGERANTS, safety checks are necessary to ensure that the risk of ignition is minimised.
3. Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.
4. All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Working in confined spaces shall be avoided.
5. The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially toxic or flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with all applicable refrigerants, i. e. non sparking, adequately sealed or intrinsically safe.

6. If any hot work is to be conducted on the refrigerating 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.

7. No person carrying out work in relation to a REFRIGERATING SYSTEM which involves exposing any pipe work 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 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.

8. 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.

9. 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:

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

- - that there is continuity of earth bonding.

10. During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc. If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.

11. Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected.

This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc. Ensure that the apparatus is mounted securely. Ensure that seals or sealing materials have not degraded to the point that they no longer serve the purpose of preventing the ingress of flammable atmospheres. Replacement parts shall be in accordance with the manufacturer's specifications.

12. Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use.

13. Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere. The test apparatus shall be at the correct rating.

14. Replace components only with parts specified by the manufacturer. Other parts may result in the ignition of refrigerant in the atmosphere from a leak.

15. 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.

16. 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.

Special instructions:

This appliance 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 supervisor instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

If the SUPPLY CORD is damaged, it must be replaced by the manufacturer, or similarly qualified persons in order to avoid a hazard.

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:

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.

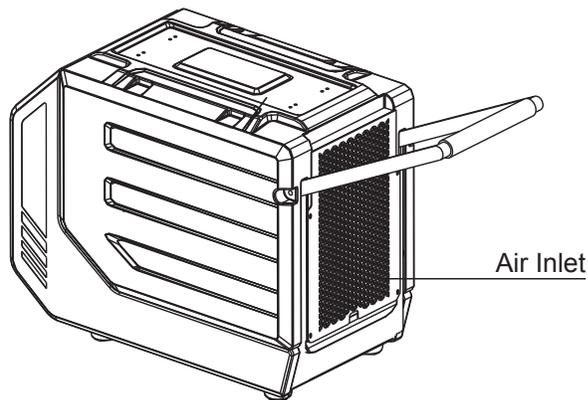
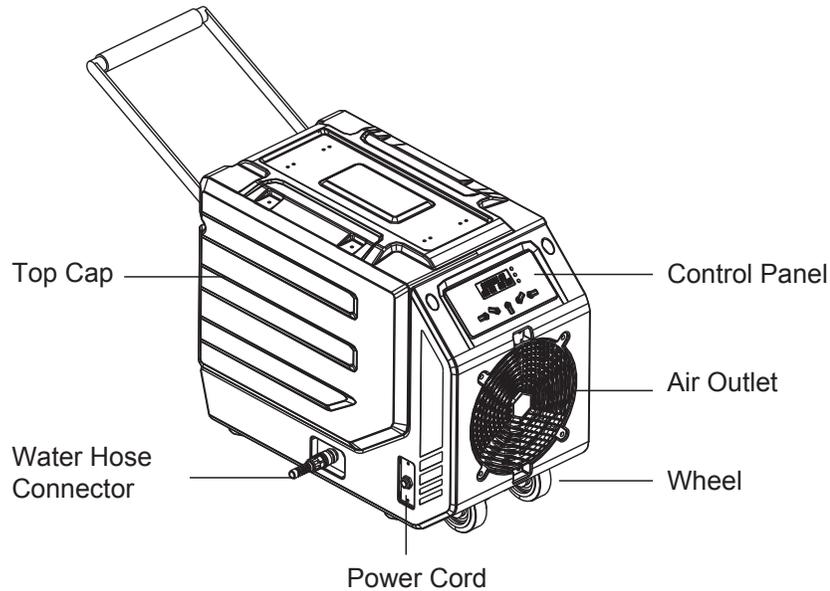
WARNING!

| | |
|---|---|
|  | <p>Appliance shall be installed, operated and stored in amroom with a floor area larger than 4m²/43sq.ft. Do not install the unit in a place where inflammable gas may leak.</p> |
|  | <p>NOTE! The manufacturer may provide other suitable example or may provide additional information about the refrigerant odor.</p> |

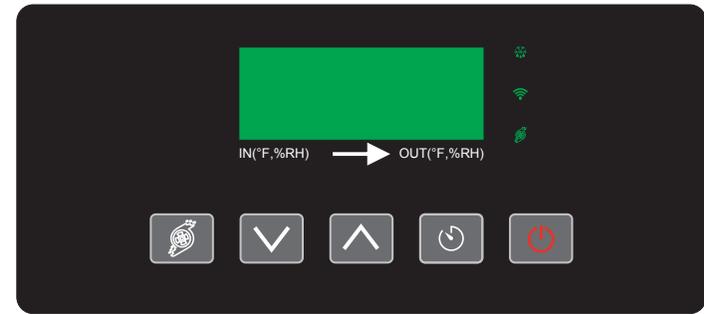
FEATURE

1. Compact design with large dehumidify performance fits places like crawlspaces, bathrooms, kitchens, etc.
2. With wheels for easy movement.
3. Easy to assemble and disassemble the housing for repair.
4. With fast connector of hose, convenient for assembly and disassemble.
5. Washable air filter with aluminum frame.
6. Foldable handle, easy to operate.
7. With timing function 1-24 hours.
8. With humidity setting function 10%RH-90%RH.

DRAWINGS



OPERATION



Power Button: When the machine is in the standby mode, the display screen will be displayed in low light LED. To start the dehumidifier, press the power button. Concurrently, the display screen will light up and the unit will run in Auto mode, the default humidity setting data is 10%RH, and the machine will start if the humidity condition meets the requirement of compressor operation.

Press the power button again to turn off the machine, and the fan will shut down in 1 minute later.

Timing Button: Press the timing button, the display screen will show the current timing data, and then press Add button  to increase the timing data or press Minus button  to decrease the timing data.

Press one time to increase or decrease one hour.

The timing indicator will light up after setting. When the machine is in the standby mode, press the timing button to set the start-up time; when the machine is running, press it to set the shutdown time.

The timing setting range is from 0 to 24 hours. If you set the timing data as "00", it will cancel timing function, the timing indicator will turn off.



Add Button: Press the Add button to increase humidity data or increase timing data.

When setting the humidity data, press the button humidity range from 10%-90% RH, and 5% RH for one step, it will cycle as below:

10%-15%-20%-25%-30%-35%-40%-45%-50%-55%-60%-65%
-70%-75%-80%-85%-90%-10% ...

When setting the timing data, press the button for one time to increase 1 hour, you can set the timing range from 1-24 hours, and 1 hour for one step, it will cycle as below: 01-02-03-04-05...
-23-24-00-01-02...



Minus Button: Press the Minus button to decrease humidity data or decrease timing data.

When setting the humidity data, press the button humidity range from 90%-10% RH, and 5% RH for one step, it will cycle as below:

90%-85%-80%-75%-70%-65%-60%-55%-50%-45%-40%-35%
-30%-25%-20%-15%-10%-90%...

When setting the timing data, press the button for one time to decrease 1 hour, it will cycle as below: 24-23-22-21-20...
-02-01-00-24-23...



Purge Button (Manual Drainage):

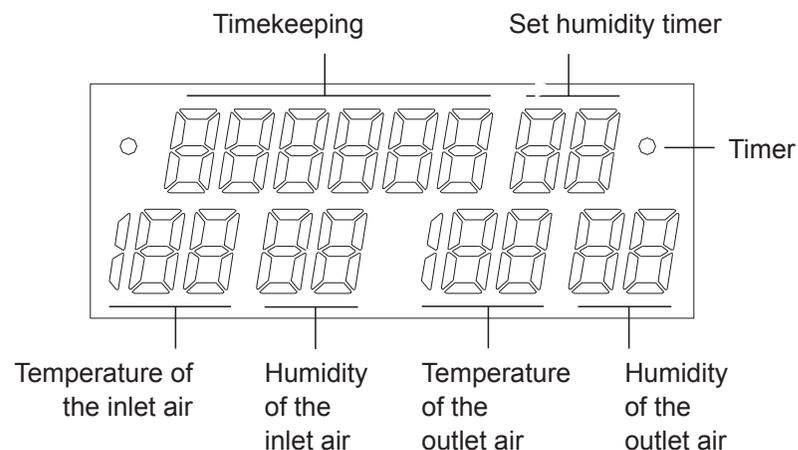
Press and hold the purge button for 3 seconds, the machine will drain the water automatically by the built-in pump. After 30 seconds, the pump stops draining, then the indicator will turn off.

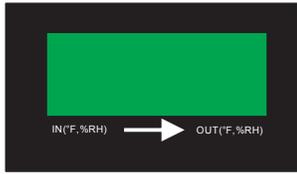


Defrosting Indicator: When the machine is defrosting, this indicator turns on. After defrosting, it turns off.



Water Full Indicator: When the water pump is full of water, the indicator light turns on to remind the user to drain.





Display Screen: The default temperature display is Fahrenheit temperature. When the machine is in standby mode, press the power button for 5 seconds to switch to Celsius

temperature. When the machine is running, it shows the temperature and humidity of it shows the temperature and humidity of the inlet air and outlet air, it displays the running time when it is in running mode; and displays the setting timing and setting humidity data when users set.

Memory Function: If there is a power outage or the unit shuts off, it will auto restart to its original settings except timing, once power is restored.

Note: When humidity of air inlet \geq setting humidity data +3%RH, and the compressor is out of 3 minutes delay start protection, the fan will start immediately and the compressor will start in 3 seconds later.

When humidity of air inlet \leq setting humidity data -3%RH, the compressor will stop working immediately, and the fan will stop working in 1 minute later.

AUTO DRAINAGE & MAINTENANCE

 **Please disconnect the power supply before cleaning or conducting maintenance.**

Auto Drainage: Connect water hose ($\leq 13.12\text{ft}/4\text{m}$ length) to the water drainage hole by quick connector the machine will automatically drain by water pump through water hose when operating.

Cleaning: Clean the unit body with a soft damp cloth. Do not submerge or place water on the unit or control panel, as water damage the electronic components of the unit. Do not use chemical solvent such as benzene, alcohol, gasoline or other heavy-duty cleaner. The surface may become damaged or deformed.

Cleaning the Air Filter:

Step 1: Pull out the air filter gently;

Step 2: Use a vacuum cleaner to remove the dirt on the surface of the air filter. If the air filter is exceptionally dirty, immerse it gently into warm water (about $104^\circ\text{F}/40^\circ\text{C}$) with a neutral detergent, rinse and dry it thoroughly;

Step 3: Insert the filter back into the unit.

Dehumidifier storage:

1. Push the purge button to empty the water before transportation or storage.
2. Transport and store the machine upright.
3. Stack machines in warehouse to save space.

TROUBLE SHOOTING GUIDE

| Trouble | Possible Cause | Solution |
|----------------|---|------------------------------------|
| Error code: E1 | Copper head sensor failure | Replace it |
| Error code: E2 | Air inlet temperature and humidity sensor failure | Replace it |
| Error code: E3 | Air outlet temperature and humidity sensor failure | Replace it |
| Error code: E4 | Water pump failure or water tank of water pump is full. | Replace it or check the water pump |



Cautions:

If unit malfunctions turn off the unit, unplug it immediately, please contact the after-sales service.

Do not dispose of electrical appliances in local landfills, or municipal waste locations. Many parts are recyclable.

Contact your local government for information regarding the collection systems available in your area.



Return / Damage Claim Instructions

- ⚠ **DO NOT discard the box / original packaging.**
In case a return is required, the item must be returned in original box. Without this your return will not be accepted.
- ⚠ **Take a photo of the box markings.**
A photo of the markings (text) on the side of the box is required in case a part is needed for replacement. This helps our staff identify your product number to ensure you receive the correct parts.
- ⚠ **Take a photo of the damaged part (if applicable).**
A photo of the damage is always required to file a claim and get your replacement or refund processed quickly. Please make sure you have the box even if it is damaged.
- ⚠ **Send us an email with the images requested.**
Email us directly from marketplace where your item was purchased with the attached images and a description of your claim.