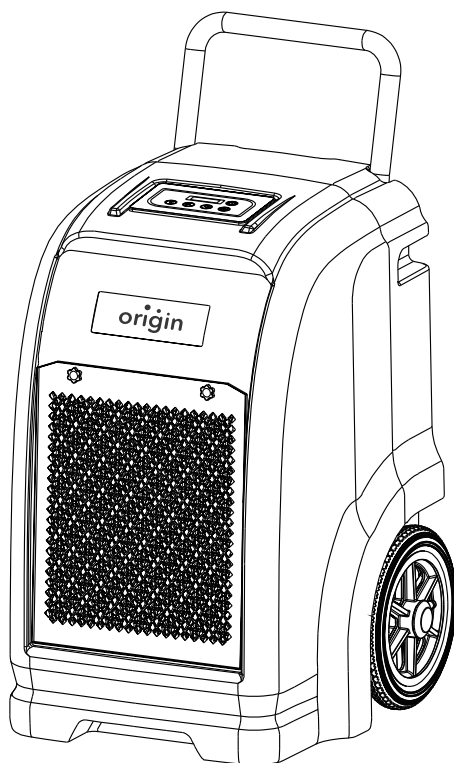


origin

INSTRUCTION MANUAL

O^{100p}

Industrial Dehumidifier



THANK YOU FOR CHOOSING THIS PRODUCT, SAVE THIS MANUAL FOR FUTURE REFERENCE

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Safety Instructions



WARNING

- Check the voltage and make sure it meets the technical specification of the machine.
- This machine 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 machine. Cleaning and user maintenance shall not be made by children without supervision.
- The machine must always stand upright.
- The machine must stand upright for at least 1 hour before it is used for the first time.
- Never sit, cover or place foreign objects on the product.
- Make sure that the air filter is clean and fitted correctly before turning the machine on.
Never use the product if the mains lead, plug or any other part is damaged or does not work properly.
- Never try to dismantle or repair the machine yourself.
- Never plug in or unplug the product with wet hands.
- Never insert foreign objects into the machine.
- Unplug the product immediately if it emits strange noises, odours or smoke.
- Make sure that no foreign objects cover or block the air inlet/outlet. Blockages can lead to fires, electric shocks or damage to the product.
- Unplug the product when it is not in use.
- Before the machine is moved, make sure it is switched off, unplugged and that the water tank is empty.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person in order to avoid a hazard.
- The appliance shall be installed in accordance with national wiring regulations.
- The machine is designed A-weighted sound pressure level below 70 dB.

Intended use and conditions of use the dehumidifier is used to remove humidity from the air where there is atmospheric pressure in closed indoor rooms, such as basements, garages or warehouses. The dehumidifier must only be used and stored in rooms larger than 4 sq. meters. The dehumidifier must only be used in compliance with the Technical Data (see last page). Persons with physical, sensory or mental restrictions and children are not permitted to use the dehumidifier. Every user must have read and understood the operating instructions.

Safety Instructions

Foreseeable misuse

The dehumidifier must not be used:

- In rooms with potentially explosive atmospheres.
- In rooms with an aggressive atmosphere (e.g. caused by chemicals).
- In rooms with water with a pH value below 7.0 or above 7.4. 17
- In rooms with salt or liquids with a salt content > 1 %, e.g. brine baths.
- In rooms with ozone-treated air, high solvent concentrations or high dust pollution.

General safety information

- **WARNING!** Risk of explosion, burns and poisoning from refrigerants! The appliance contains an odourless, flammable refrigerant which, if handled incorrectly, could result in explosions and fire as well as injuries and burns. The refrigerant circuit is pressurised.
- Do not use any objects to accelerate the thawing process.
- Do not store the dehumidifier in rooms with permanent sources of ignition, such as open flames, operational gas appliances or electric heaters.
- Do not drill open or ignite dehumidifiers.
- Only operate the appliance in an adequately ventilated room larger than 4 m².
- Any work to the refrigerant circuit must be performed by the manufacturer or the manufacturer's authorised technical personnel. Before working on the refrigerant circuit, it must be depressurised using the designated mechanisms.
- Observe the national regulations for gas installations.
- Do not dump refrigerants or dispose of them as household waste.
- Avoid coming into contact with the refrigerant.

Electrical connection

Procedure

1. Make sure that the supply voltage is the same as the connection voltage in the technical data.
2. Provide an adequate fuse for the socket and the power supply.
3. Install an earth leakage circuit breaker in damp rooms and building sites.
4. Make sure that the mains plug is suitable for the socket of the building.
5. Make sure that the socket used is earthed.
6. Plug the mains plug into the socket.

WARNING! Electrocutation!

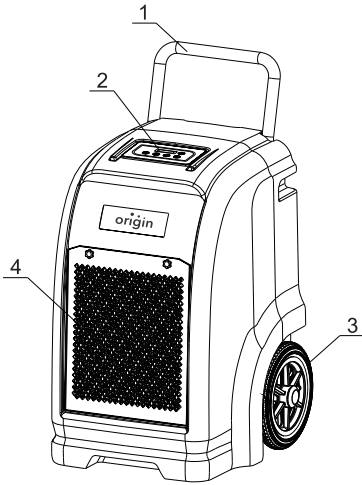
Working on live components or water on live components can cause lifethreatening electrocution.

Avoid contact between water and live components.

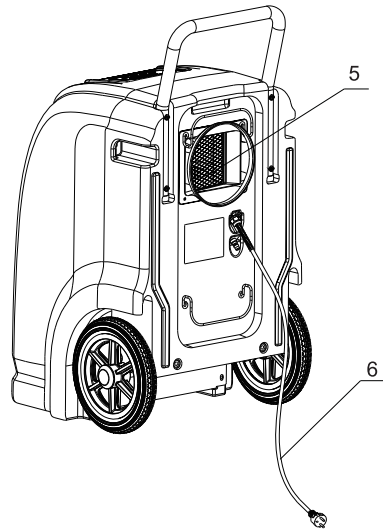
Always switch off and unplug the dehumidifier and drain away any water before moving it to another location.

Only allow the manufacturer or authorised personnel to carry out work on electric components.

Structure Diagram



- 1. Handle
- 2. Control Panel
- 3. Wheel



- 4. Air Inlet Grille
- 5. Exhaust Grille
- 6. Power Cord



WARNING

DO NOT OBSTRUCT THE AIR INLET OR OUTLET

Setting Up Instructions



IMPORTANT

Place dehumidifier in the upright position. When transporting a dehumidifier to site, allow the dehumidifier to stand for 30 minutes before switching ON. This is necessary to allow the refrigerant system to stabilise and avoid system damage.

SETTING UP THE DEHUMIDIFIER:

Operate the dehumidifier in an enclosed area as this creates a drying chamber. Close all doors, windows or areas that open to external areas to maximize the dehumidifier's water removal efficiency. Keep traffic through the drying chamber to a minimum. Place the dehumidifier in the centre of the room away from walls and furnishings. **DO NOT** allow the airflows to be obstructed.

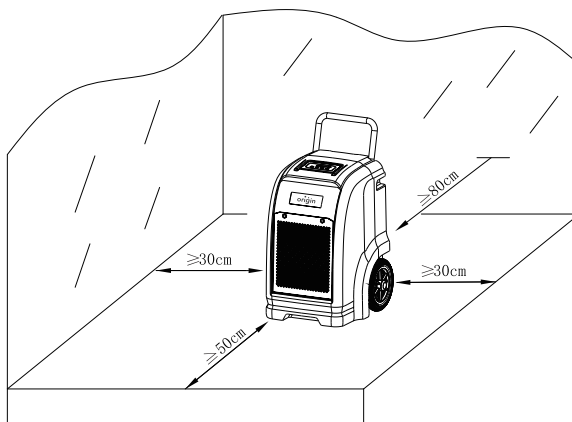


Illustration of correct positioning for best performance

Setting Up Instructions

OPERATION FOR GENERAL USE:

Press the ON/OFF key to turn the unit on, it will get into working mode automatically.

After using, press ON/OFF key to turn the unit off, while water pump will turn on automatically for 80 seconds to drain the rest water, and turn off automatically.

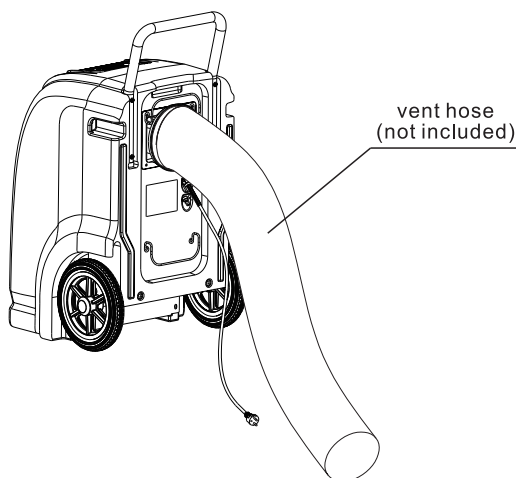
Attention:

DO NOT switch the power **OFF** by disconnecting at the main socket outlet.

DO NOT move the dehumidifier for at least 3 minutes after turning the power **OFF**.

VENT HOSE FUNCTION (OPTIONAL)

As to a much wetter space, use a vent hose with diameter larger than 155mm Attach the vent hose to the exhaust ring (see below) to speed up drying the wet area.



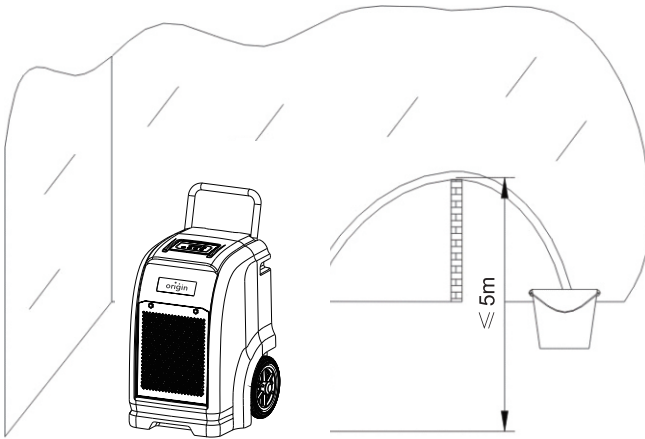
Setting Up Instructions

DRAINAGE:

The dehumidifier pump connects to a plastic drainage hose. The hose is stored on the back of the appliance. Uncoil the entire hose ensuring there are no kinks or restrictions and place the unattached end into a water vessel or run to outdoors.

Ensure that water which runs to outdoors does NOT create a slip hazard.

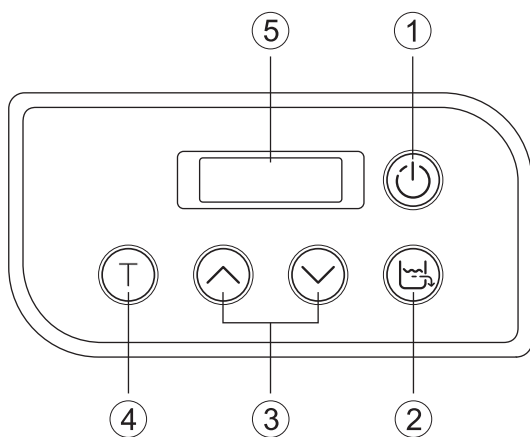
Water vessels **MUST** be checked regularly when used.



Note:

- **The drain hose for the water pump can drain up to 5m vertically. More than 5m may cause water back up to the pump resulting in leakage.**
- **When turn off the unit, please take out the water pipe from bucket and empty water inside bucket to avoid the water back flow cause water leakage.**
- **Do not bend the discharge hose.**
- **Do not place any objects on the hose.**

Operating Instructions



1. On/Off button
2. Purge button
3. Up and Down button
4. Timer button
5. Display screen

Display

Once the machine is switched, the display will show the settled humidity (left) and current humidity (right).

Switching On/Off The Unit

Connect the mains lead to socket.

Press the ON/OFF button once to turn on the unit, Press once again to turn off the unit.

Empty Water

Press the PURGE button to empty water from the pump reservoir. During normal operation, the pump purges automatically when the reservoir is full.

Note: Press the PURGE button to empty the water before moving the machine to avoid water spillage.

Humidity Setting Control

Press the UP/DOWN button to set the desired humidity (a range of CO, 26% to 90%). For each press, the set humidity will be increased / decreased by 1%.

Note: If the machine is in CO (continuous) dehumidifying mode, its operation will not be influenced by the change of the ambient.

Working Hours Checking

Press TIME button once can check the working hours since powered on, press again to check the total working hours.

Note: To reset the working hours, press and hold the TIME button for 5 seconds.

Note: The total working hours can not be reset. If the time is beyond the range, it will restart counting from Zero.

Maintenance And Care

Maintenance and care WARNING! Damage to health from dust!

- Only clean the dehumidifier with compressed air in open spaces.
- Wear a protective mask and goggles.

ATTENTION! Damage to property!

- Cleaning agents can damage surfaces. Only use mild detergents.
- Only use approved original spare parts.

Cleaning and inspection

Procedure

1. Switch off the dehumidifier.
2. Unplug the mains plug.
3. Remove and clean the air filter (e.g. with vacuum cleaner) or replace it.
4. Check the discharge nozzle and discharge hose, if connected.
5. Insert a new or clean filter. Only use an original filter.
6. Plug in the mains cable.
7. Switch on the dehumidifier if necessary.

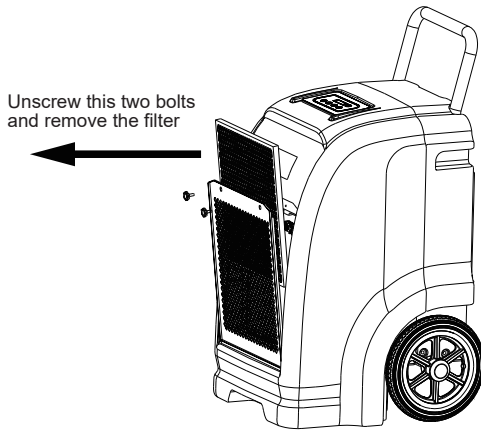
Cleaning The Air Filter

Ensure the dehumidifier is turned OFF and the plug is removed from the power socket before maintenance is carried out.

The working performance of the dehumidifier will be greatly reduced if the filters become blocked.

1. Remove the filter as shown in the diagram.
2. Vacuum any debris from the filter using the vacuum hose and nozzle attachment.
3. Using luke-warm water and a mild detergent wash the filter and allow to dry.
4. Once dry, re-install the filter into the dehumidifier.

Maintenance And Care



Decommissioning

Procedure

- Switch off the dehumidifier.
- Empty the basin or pump the water out.
- Unplug the mains plug.
- Cover the dehumidifier with a cloth to protect it from dust.

Storage

CAUTION! Injury!

- Do not stack more than two dehumidifiers on top of each other.
- Secure the dehumidifiers so that they do not fall over.
- Disposal ATTENTION! Risk from materials and substances.
- Sort materials according to type and recycle in accordance with local regulations.
- When disposing of auxiliary and operating materials, observe the local regulations and
- information on the safety data sheets.

Transport And Connection Transport

WARNING! Crushing as a result of instability!

- Transport the dehumidifier in an upright position and secure it so that it cannot tip over or slip.
- Position the dehumidifier on a stable, even surface.

WARNING! Crushing or cutting from reaching into the grille of the air filter!

- Use the handles to transport the dehumidifier.
- Do not reach into the air filter.

CAUTION! Crushing or ergonomic damage when transporting the dehumidifier!

- Use the handles to transport the dehumidifier.
- The dehumidifier must be transported by two people.

Procedure

1. Make sure that the basin is empty / the condensate water has been pumped out.
2. Make sure that the discharge hose (optional) and the mains cable have been disconnected from the appliance.
3. Transport the dehumidifier to where it is going to be used.

NOTE: The air must circulate freely. Do not cover the air openings. There must be a clearance of at least 1 m in front of the air outlet and the air filter.

ATTENTION! Inadequate appliance output!

Trouble Shooting

Please check the following points in the event of a fault. If necessary contact our Service Team.

WARNING! Poisoning from refrigerant, burns, crushing or electrocution during maintenance work!

- Only allow the manufacturer or authorized personnel to carry out repairs and maintenance work.
- In the event of malfunctions, switch off the dehumidifier and secure it so that it cannot be switched back on again.
- Allow any hot components to cool sufficiently before working on them.

Possible Problem	Possible Cause	Remedial Action
Dehumidifier is out of operation / fan and compressor are not working	There is no power supply to the dehumidifier	Check the power supply
	Dehumidifier is switched off	Switch on the dehumidifier
	E4 error is displayed	Check drainage flow
Pump fault	Pump fault	Check the discharge hose/basin, if connected
	Pump faulty	Contact our Service Team
Dehumidifier collects little water	Insufficient working time	Allow more working time
	Air filter is dirty. The dehumidifier is not getting enough air. Dirty filters can damage the appliance in the long term	Clean the filter or replace if necessary
	Low ambient temperature	Increase ambient temperature
	Condensate hose is blocked	Check hose for restrictions
Dehumidifier is operating but room is not drying	Doors and windows are open	Seal room from external areas

WARNING:

DO NOT attempt to rectify faults using unqualified personnel.

Fault Codes

WARNING:

In the event of a fault code, contact your service agent.

DISPLAY CODE	E1	E2	E3	E4
Error	Temperature sensor error	Humidity sensor error	Low or no refrigerant	Pump error
Display	Flash every 30 seconds	Flash every 30 seconds	Show E3	Show E4
What is happening	Machine works in CO mode	Machine works in CO mode	Machine will enter into standby mode, only Purge button is valid	Machine will not start working

Product Specifications

MODEL	O ^{100p}
Water Removal	100L/day (30°C RH80%)
	60L/day (27°C RH60%)
Power Supply	220-240V~ 50Hz
Power	1145W (27°C RH60%)
Current	5.4A (27°C RH60%)
Air Flow	1000m ³ /h
Noise Level	60dB(A)
Refrigerant	R410A/0.545kg
Operating Range	1~38°C
Power Cord	5m
Drainage Pipe	5m
Net Weight	56.0 kg
Dimensions (W × D × H)	595 × 595 × 870 mm