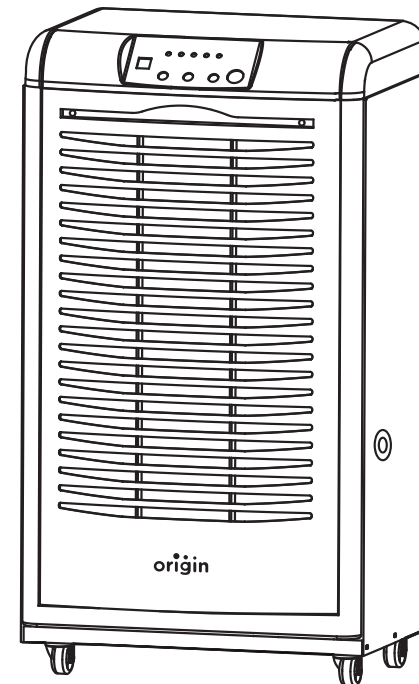


origin

DEHUMIDIFIER

MODEL : 08^e

INSTRUCTION MANUAL



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Thank you for choosing this product.
Please read this instruction manual before using it.

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1. Product introduction

The O8^e series dehumidifier is built particularly for air drying in closed rooms. That dehumidifier can prevent the formation of condensation, eliminate too high air humidity and hold a specific air humidity constant. The time which the dryer requires in order to achieve a specific humidity depends essentially on the environmental conditions. The attainable humidity value is equally dependent on the environmental conditions.

The O8^e series dehumidifier works according to the condensation principle with heat recovery. The fan (shown indicatively below) suck the moist air through a cool register (evaporator). The air becomes so far chilled under the point of condensation here, that the moist air condense as water and flows into the water tank. The chilled and dried air is warmed up at the condenser again. Through the heat pump effect, the outlet air is some degrees warmer than the sucked room air. Useful energy can conducted up to 3-fold of the electrical power consumption. The absolute moisture of air is lowered continuously by the continuous circulation of the room air through the device. The surplus moisture is removed safely and efficiently.

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.

Foreseeable misuse

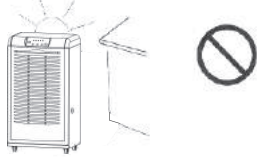
The dehumidifier must not be used:

- 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.

5. Trouble shooting

Situation	Reason		Treatment method
Unit does not operate	No power supply display out	Plug of machine do not put into the socket	Put the plug into socket
		No power supply	Recovery power supply
		Fuse of control Panel is burned out.	Change new fuse
		Transformer of control panel is damaged	Change transformer
	Power supply display out	Environment humidity is lower than setted humidity	Set the humidity again
		Power socket is missing null line	Add null line
Voltage of power socket is low		Recovery right voltage	
E1	Temperature sensor error		Change temperature sensor
E2	Humidity sensor error		Change humidity sensor
E3 (refrigeration system error)	Motor is abnormally working	Capacitance is damaged	Change capacitance
		Shaft is stuck	Change motor
		Inside loop is damaged	Change motor
	Compressor is abnormally working	Capacitance of compressor is damaged	Change capacitance
		Piston of compressor is stuck	Use bigger capacitance to impact
		Inside loop is damaged	Change compressor
Lack of refrigerant		Look up point of leak, recover it. create a vacuum again , add refrigerant	
Effect of dehumidify is not satisfied	Filter is blocked		Clean the filter
	There is barrier at intake or outlet holl		Wipe up the barrier
	The door or windows are opening		Close door and windows
Noise	The position of machine is uneven		Put the machine on a steady place
	Filter is blocked		Clean the filter
Water leaked	The machine is oblique		Put the machine on a steady place
	Water pipe is blocked		Remove the front panel, clean the sundries

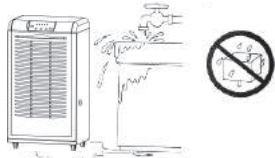
Do not use this appliance in the place where it is expose to sunlight directly.



Do not use this appliance in the place where it is close to chemicals.



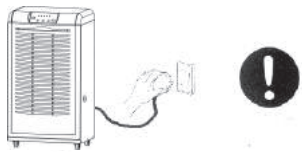
Do not use this appliance in the place which may have water.



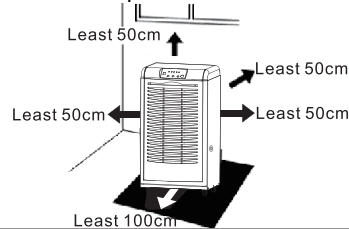
Turn off the unit before disconnect the power supply.



Turn off this appliance and cut off the power,if any accident happens.



The suitable place.



Turn off this appliance and cut off the power before cleaning.



Do not repair and disconnect this appliance by yourself.



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.

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.

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!

- Do not bend the discharge hose.
- Do not place any objects on the hose.

Electrical connection

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

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.

2.8 Automatic defrosting

During air drying, ice may form at the evaporator. The volume of ice depends on the ambient conditions prevailing in the room to be dried. The machine is equipped with an automatic air-defroster. It ensures that, the appliance will be defrosted automatically, when the ice accumulated to a certain extent. At that time, the compressor stop running, fan motor is running with high wind, "DEFROST" indicator light turn on.

3. Service & maintenance

In order to guarantee a trouble-free function of the machine, the device should be cleaned regularly. The following procedure is instead recommended:

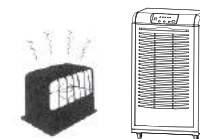
- Switch off the machine.
- Disconnect mains cable.
- Remove filter for cleaning. Filter can be washed under flowing Water.
- Clean case with moist cloth. Do not use aggressive Detergent.
- Insert new or cleaned filter
- Put the plug into the socket
- Switch on dehumidifier.

4. Important

Do not use other extension wire or adapter to connect this appliance.



Do not place this appliance beside of a heat source such as stove.



2.5 Timing on:

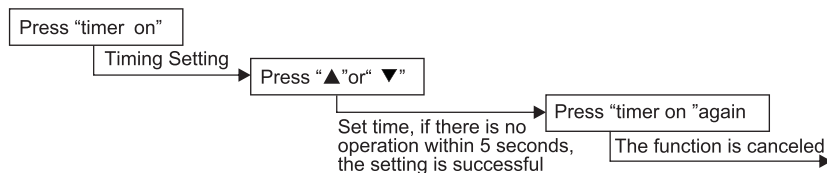
Under the standby state, press “TIMING ON” button, the “TIMING ON” indicator light flashes and the display screen flashes to display the seted time, press “UP” or “DOWN” button to adjust the time, press the button one times, time will up or down one hour, the time could be setted between “0–24”hours. After finished setting and stop operating, the machine will buzz. If there is no operation for five minutes, the “TIMING ON” indicator light continuously on, indicating the completion of the time setting. If press the “TIMING ON” button again, function of TIMING ON will be cancelled and the “TIMING ON” indicator light will turn off.

2.6 Timing off:

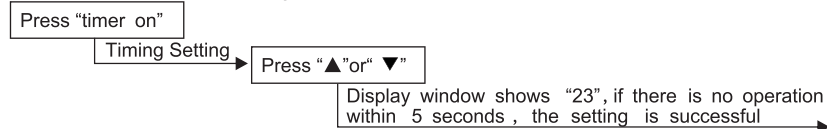
Under the running state, press “TIMING OFF” button, the “TIMING OFF” indicator light flashes and the display screen flashes to display the seted time, press “UP” or “DOWN” button to adjust the time, press the button one times, time will up or down one hour, the time could be setted between “0–24”hours. After finished setting and stop operating, the machine will buzz. If there is no operation for five minutes, the “TIMING OFF” indicator light continuously on, indicating the completion of the time setting. If press the “TIMING OFF” button again, function of TIMING ON will be cancelled and the “TIMING OFF” indicator light will turn off.

2.7 Circular timing:

When the function of TIMING ON and TIMING OFF are of this manual both needed at the same time, the setting of “TIMING ON” refer to “2.5”, the setting of “TIMING OFF” refer to “2.6”, after “TMING ON” and “TIMING OFF” are seted successfully, the machine will turn on and turn off at the seted time automatically. The cycle is 24 hours.



For example, now the time is 12:00, to set that the unit will turn on at 11:00 tomorrow morning.



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.

Faults

Possible Problem	Possible Cause	Remedial Action
The dehumidifier is not performing well/ removing moisture.	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.
The dehumidifier is out of operation / fan and compressor are not working.	Dehumidifier is switched off.	Switch on the dehumidifier.
	There is no power supply to the dehumidifier.	Check the power supply.
Pump fault.	Pump is blocked, e.g. water cannot drain out of the discharge hose/basin.	Check the discharge hose/basin, if connected.
	Pump faulty.	Contact our Service Team.

Troubleshooting: 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.

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.

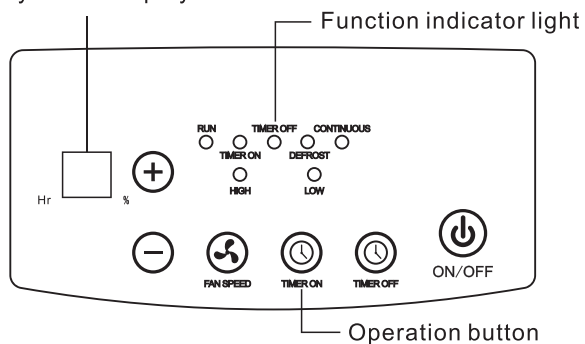
Disposal ATTENTION! Risk from materials and substances

- 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.

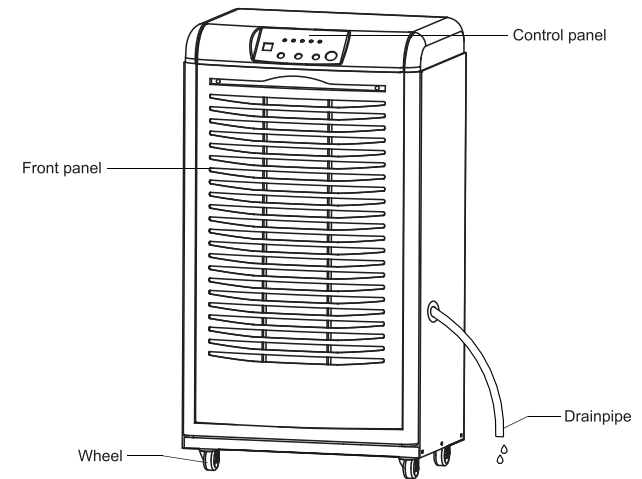
2. Operation instruction

2.1 Operation panel:

Humidity / Time display screen



2.2 Structure introduction



2.3 Putting into operation

- After having been transported, the air dryer should rest for about 15 min. During this period of time, the oil inside the refrigerating system, which was foamed during transport will return into the compressor. We recommend this procedure because it extends the service life of the compressor.
- Put the plug into the socket, the "RUN" indicator light flashes, press the "ON/OFF" button, the unit gets into running state, the "RUN" indicator light continuously on, the "HUMIDITY%/TIME" display screen will show the environmental humidity.
- If the existing humidity is higher than the set value, the machine will start to operate. If the existing humidity is lower than the set value, the machine will not start to operate.
- The fan starts first and the compressor will start after approx. 3 Minutes.

2.4 Humidity setting

Press "UP" or "DOWN" button to adjust the humidity, press "UP" or "DOWN" button one times, the set value will increase or reduce 1%, the humidity control could be setted between "RH26% - RH90%". When the set value is below RH26%, the signal "CO" will be shown on the display screen and the machine will continuous working.