

MANUAL INSTRUCTION

INDUSTRIAL DEHUMIDIFIER



Important safety instruction

Please read the instruction carefully before operation.

- please make sure the power supply is 220V/50HZ or 380V/50HZ before operation.
- please do not cut off the power by pulling the wire.
- please be careful when moving the unit, do not mangle the wire.
- please do not put finger or stick into the grid.
- please prohibit child to climb, stand or sit on the unit.
- please unplug the unit before cleaning or maintenance.
- please make sure the unit is grounded safely, using correct power switch, connector prohibited.
- please do not use unit in strait airproof space.
- please keep the instructions carefully.

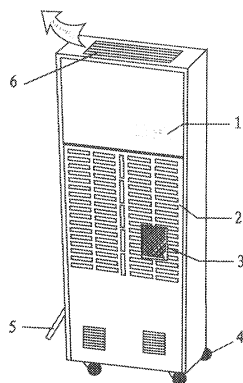
Notice: we suggest that any reparation should be executed under professional members.

Product introduction

Dehumidifiers can descend down the air humidity in room, make people live comfortably and storage goods.

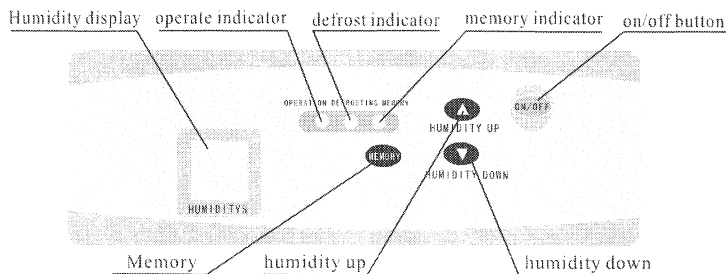
Our dehumidifiers, neat appearance, compact configuration, high quality and easy operation, are widely used in science research, industry, transportation, medical treatments, apparatus and meters, stores, underground constructions, computer houses, file rooms, warehouses, bathrooms, etc. Keeping apparatus, meters, computers, communication equipments, drugs and files away from moisture, eroding, and mildew.

Introduction of configuration



- 1. control panel
- 2. air inlet grid panel
- 3. filter grill
- 4. castor
- 5. water outlet tube
- 6. Air outlet

Operation instruction



Instruction of keys

- 1.ON/OFF: Press ON/OFF, the unit runs in a circulation "ON-OFF-ON" .
- 2.Humidity up and down: Press "humidity up and down" for once, the set humidity increase or decrease for 1%. Press the key for 1.5 seconds and the setting value increase or decrease by 1% continuously with the speed 5 points per second.
- 3.Memory Key: Press the memory key and the memory indicator light on to start the function of memory when power cuts off. Press the memory key again; the memory indicator dies to shut off the function of memory when power cut off.

Start on

- 1.Plug on, the unit gives off "di" .
- 2.Press "ON/OFF" , the running indicator lights on, and the humidity display window lights on to display the previous set humidity. The initial setting humidity is 60% and 3 seconds later the humidity display window light on to display current humidity.
- 3.Press humidity up or down key to adjust the humidity needed. If the setting humidity is 3% less than current humidity, the unit runs; if the set humidity is 3% more than current humidity, the unit stops running.
- 4.When setting humidity is less than 30%, the unit dehumidify continuously, and the humidity display window displays "CO" .

Shut off

Press "ON/OFF" when the unit is running, the unit stops running and all indicators die.

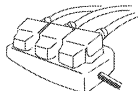
Notices:

- 1.When setting humidity is higher than current humidity, the unit will not run.
- 2.When dehumidifying, the fan motor and compressor must run at least for 3 minutes, once the compressor start on. Forbid to restart the compressor again within 3 minutes after shut off.

3. When work in low temperature, the unit judges the system temperature automatically to defrost. When defrosting, the defrosting indicator lights on, the fan motor runs but compressor shuts off automatically.
4. When press the memory key, the controller will record current humidity even if power off. And the unit will run under previous mode after power supplied again.
5. The humidity display window displays the humidity from 30% to 90%.
6. Keep unplug if do not use the unit for long time.
7. Model CFZ-16, CFZ-20 use double compressor structure, compressor A should be turned on 15 seconds ahead of compressor B.
8. Power supplies for CFZ-6.8, CFZ-8.8, CFZ-10, CFZ-16, CFZ-20, are 380V/50HZ, have phase and phase protecting function, when out-connecting 3-phase are not connected rightly with machine's enactment, all the buttons on control panel are out of use, moisture window show "E5", please exchange the phase or check power, then operate the unit again.
9. When wire switch on three phase power source, zero line first, live line second or zero and live lines together.

Maintenance and safety

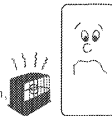
Do not use any relay, prolonged wire or adapter



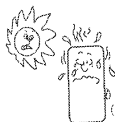
Otherwise, it might result in fire, radiation, or get an electric shock.

Do not put the unit nearby stove or heater.

Otherwise the resin might be melted down, even result in fire

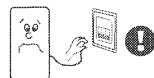


Do not use the unit in sunshine, wind or rain



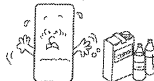
(it's only used indoors)

When meet with some problems (for example scorch smelt), please shut off the unit and unplug.



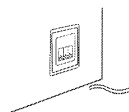
Otherwise it might result in fire, other malfunction or get an electric shock.

Do not use the unit in the places easily affected by chemicals.

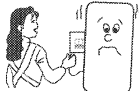


The volatilized chemicals might damage the unit and make the tank leak.

When keep power off for a long time, unplug please.

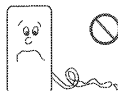


When cleaning, shut off the power and unplug.



Otherwise it might get and electric shock.

When draining continuously, put the drainer well for fluent draining.



If the ambient temperature is as low as freezing, do not drain continuously, please.

Do not repair the unit privately, nor disconnect it.



Otherwise it might result in fire or get an electric shock.

Put the unit stably. If the unit turns over, the water will flow out from the tank and damage



something nearby. Moreover, it might result in fire or get an electric shock because of creepage.

Make the filter more endurable.



When keep power off for a long time, seal the filter in a plastic bag.

Do not use the unit nearby water.



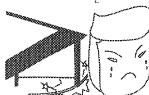
The unit might be in creepage when soaked by water, so as to result in fire or get an electric shock.

Use the right electrical source



Otherwise it might result in fire or get an electric shock

Do not damage or exchange the wire.



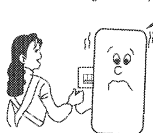
Do not put anything heavy on the wire or heat or pull the wire. Otherwise it might result in fire or get an electric shock.

Clean the dirt on the plug and fix it tightly.



If the plug was not fixed tightly, it might get an electric shock.

Do not regard the plug as switch.



Otherwise it might result in fire or get an electric shock.

Notice of operation

1. When displace the unit, do not slope over 45° to avoid any damaging of the compressor.
2. The unit should be operated between $5^{\circ}\text{C}\sim 32^{\circ}\text{C}$.
3. When dehumidifying, because of the heat resulted from the running compressor, the indoor temperature will rise $1^{\circ}\text{C}\sim 3^{\circ}\text{C}$. It's normal, and don't mind.
4. When indoor temperature is below 10°C , and the ambient absolute humidity is quite low, it is unnecessary using the machine.
5. Air inlet and air outlet should be at least 10cm away from the wall.
6. Try to seal the room to enhance the dehumidification effect.
7. Too much dirt on the filter effects dehumidification, even result in malfunction, so that it should be cleaned at least once a month. If there is a great deal powder in the air, the filter should be cleaned once a week, even a day. Pull the front panel out and clean the filter. It will be better if knocking the filter slightly before cleaning, or remove the dirt with a vacuum cleaner, or wash it in clean water ($\leq 40^{\circ}\text{C}$ with some neutral scour) and then airing it.

Trouble shooting

Malfunctions	Analysis	Solution
Does not work	<ol style="list-style-type: none"> 1.Power cut 2.Switch off 3.Unplugged 4.Fuse melted 	<ol style="list-style-type: none"> 1.Power on 2.Switch on 3.Plug on 4.Exchange fuse
Dehumidify in low efficiency	<ol style="list-style-type: none"> 1.Filter choked by dirt 2.Some barrier in air inter or outlet 3.Door or windows open 4.Refrigerant leak 	<ol style="list-style-type: none"> 1.Clean the filter 2.Remove the barrier 3.Close the door and windows and shadow the sunshine 4.Contact the manufacturer or seller
Water leak	<ol style="list-style-type: none"> 1.The unit inclines 2.Drainer choked 	<ol style="list-style-type: none"> 1.Adjust the unit to be stable 2.Pull out the panel and remove the barrier
Special noise	<ol style="list-style-type: none"> 1.Unit instable 2.Filter choked 	<ol style="list-style-type: none"> 1.Place the unit stably 2.Clean the filter

1. When above malfunctions occur and they could not be removed, contact the supplier or seller please, do not disassemble the machine privately.
2. When the unit starts or stops running, some noises of refrigerating circulation is not a malfunction.
3. Hot wind from the air outlet is normal.

Instruction of malfunction code

The unit analyze malfunction automatically and display code on the humidity window.

Malfunction code for CFZ-6.8D1,CFZ-6.8,CFZ-8.8,CFZ-10

malfunction display	problem
E1	Sensor of humidity
E2	Sensor of refrigeration pipeline
E3	Low-pressure protection
E4	High-pressure protection
E5	Phase protection(besides CFZ-6.8D1)

Malfunction code for CFZ-16,CFZ-20

malfunction display	problem
E1	Sensor of humidity
E2	Sensor of refrigeration pipeline A
E3	Low-pressure protection for A
E4	High-pressure protection for A
E5	Phase protection
E6	Low-pressure protection for B
E7	High-pressure protection for B
E8	Sensor of refrigeration pipeline B

Parameter list

Item \ Model	CFZ-6.8D1	CFZ-6.8	CFZ-8.8	CFZ-10	CFZ-16	CFZ-20
Electrical	200—240V/1/50Hz		380V/3/50Hz			
Dehumidification	6.8Kg/h	6.8Kg/h	8.8Kg/h	10Kg/h	16Kg/h	20Kg/h
Rated power input	2700W	2820W	4120W	4900W	8000W	9800W
Rated power current	13A	5.5A	7.6A	9.5A	15A	16.6A
Water-resistance level	IPX0					
Weight	124Kg	124Kg	150Kg	150Kg	235Kg	
Size	600X405X1612mm		770X470X1630mm		1225X450X1765mm	

Please be noticed that there are no special notifying for any variation of above parameters.

