



USER'S MANUAL

Model: DJDD-9681E



Horticulture
cultivation
operation



Precise humidity
control



High air flow



High capacity

Before installation and use, please read this manual
carefully and keep it properly.

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IMPORTANT SAFETY INSTRUCTIONS

Please read all the instructions carefully before using the machine

- Do make sure the power supply is 380-440V/50Hz before power up the machine.
- Don't power on/off the machine by connecting/cutting the power supply.
- Don't roll or damage the power cord when install or remove the machine.
- Don't put finger or any other rod like object into the machine.
- Do cut off the power cord before cleaning or maintain the machine.
- Don't use in arrow and sealed space, make sure to connect the ground lead.
- Don't do any change of machine unless guiding by our technicians.



Attention: The machine has loss and dislocation phase protector, when the connected three phases outer power supply is not correct as the machine setting, the protector will be disconnected, all the indicator on control panel will be regularly display, but the machine will not run. Please correct the power supply phase connection, and restart the machine at this condition. This operation requires professional electric technicians.

INSTALLATION SKETCH

Installation of the ceiling-mounted dehumidifier should be divided into two parts: installation of the dehumidifier and connecting ducts.

Before installation, you need to choose and determine a good installation location from professional installation perspective first, (if you have decoration drawings, it is best to negotiate with the designer before the installation).

1. HANGING INSTALLATION

Mark the accurate positions, drill $\Phi 6$ holes and install expansion threaded rods. Then hook the machine to the threaded rods.



WARNING

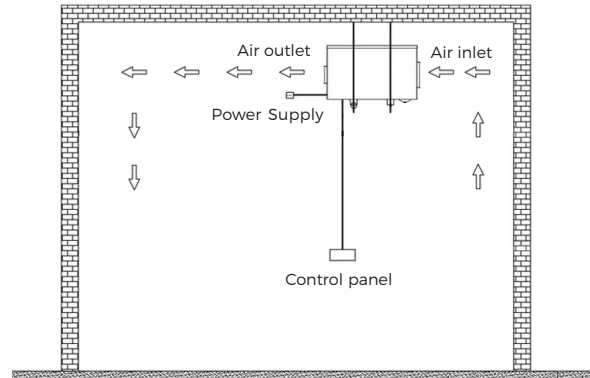
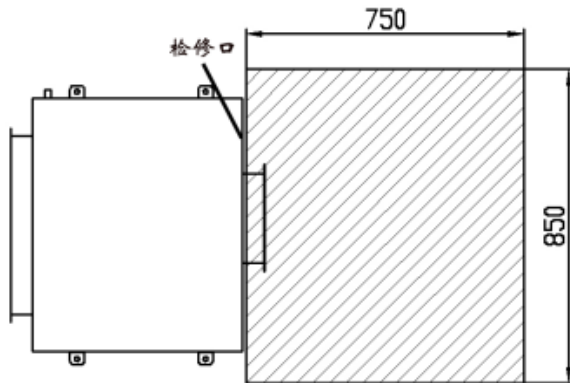
- ① Please keep the machine horizontal when installing. Any inversion could cause damage.
- ② After the dehumidifier is installed, need to check whether the machine has been installed horizontally by level tools (to ensure that the dehumidifier can drainage water normally and avoid water leakage).

2. AIR INLET DUCT INSTALLATION

The air inlet duct should be as close as possible to the machine, and the height difference with the air inlet of the dehumidifier itself should be as small as possible. The shorter the air inlet duct is, the better the dehumidification effect will be. The length of the air inlet duct should not exceed 1 meter, and it should be closely connected with the air inlet of the dehumidifier (there should be no obstacles in front of the air inlet).

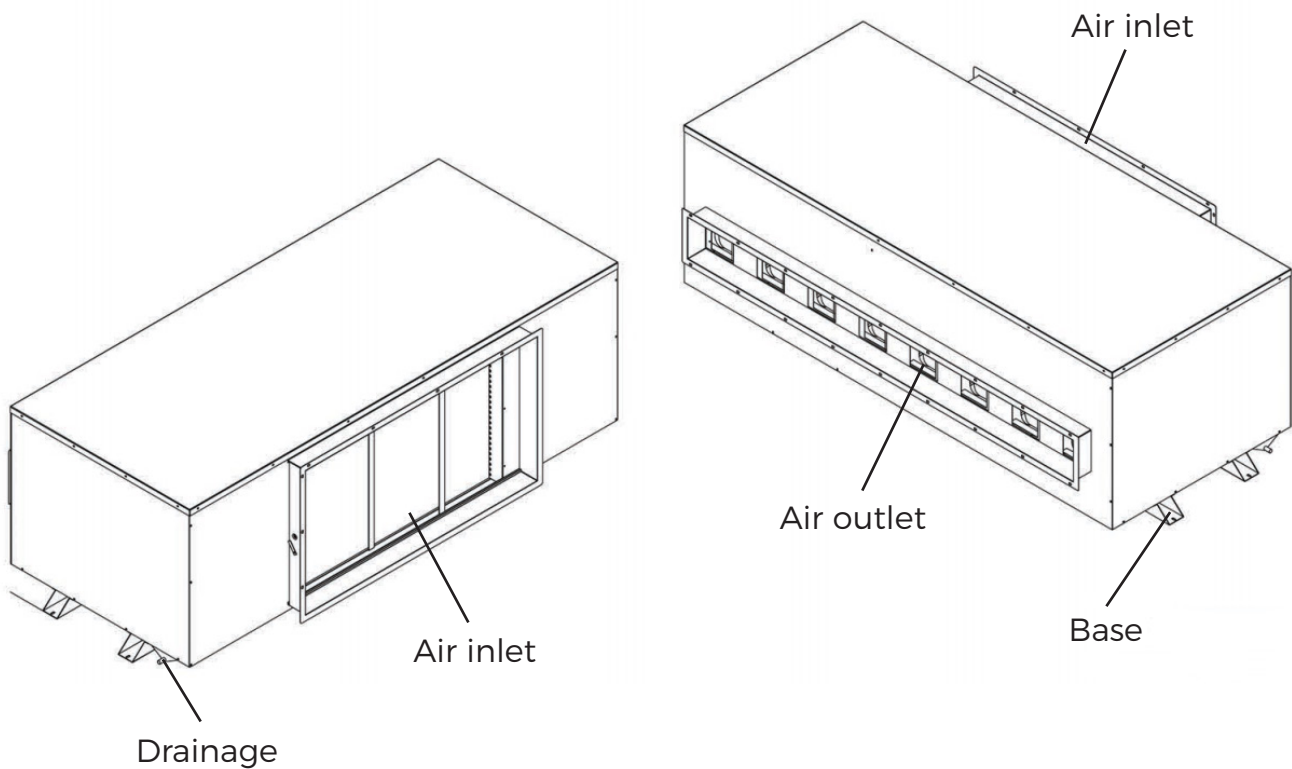
Ceiling-mounted dehumidifiers can be installed on the ceiling or suspended with steel hanger. When it is suspended, the height of hanging space should not exceed 20cm. After installation, it should be easy to operate to circulate the air.

Note: The access panel of this unit shall not be less than 45*45cm which is the minimum size that the dehumidifier can be removed through.

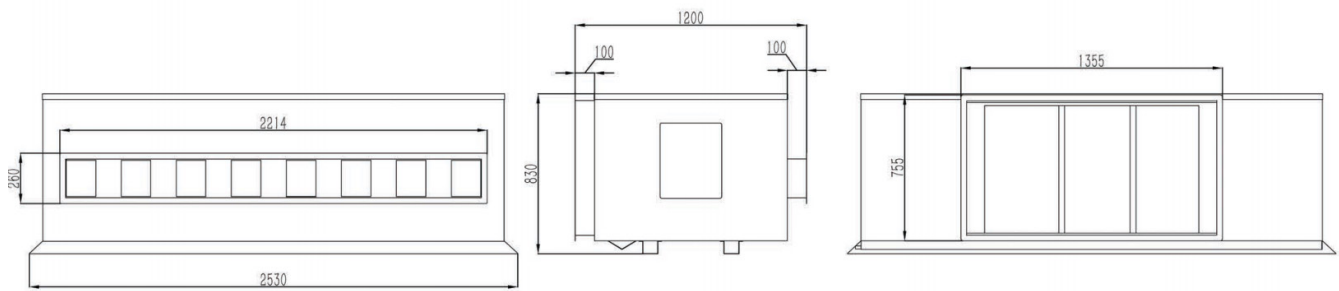


The picture shows the position and size of the access panel for reference. (For the convenient of maintenance, it is better not to stick the machine to the wall.)

STRUCTURE OF PRODUCT



Sketch of the shell



- Attention: The product size is slightly deviated with the physical object, which is subject to the real thing!

PRECAUTIONS FOR USER

- Use the machine on flat firm floor inside room. Don't put objects in front of air inlet for better efficiency.
- Don't use the machine in the environment with combustible, explosive, corrosive air or dusty.
- Do keep at least 50cm space for ventilation around the machine.
- Please use the machine away from heat for less power consumption.
- The working temperature range of machine is 5 °C ~ 38 °C , The protection of compressor will be acted if use it in the environment temperature higher than 38 °C and stop running automatically, it will reduce the working life of the machine. Below 5 °C , absolute humidity of the environment is quite low, do not use the machine if not necessary.
- Do make sure to leave at least 50 cm from wall to air inlet and at least 50 cm from wall to air outlet when the machine used against a wall, otherwise it will affect the dehumidifying effect or cause machine failure.
- Do not incline the machine exceed 45 degrees in moving or installation.
- Do correctly assemble the drain pipe for drainage.
- In the low temperature condition, the defrosted water will be frozen gradually at the outlet, please don't open the machine until all the ice melted to avoid water overflow to room from water collector .
- Please clean the filter net regularly in using machine, make necessary isolation measure when use in the dusty environment to avoid malfunction and raise the working life.
- Don't cut off the power or pull out plug when machine running.
- Don't damage the power line or make any change.
- Don't put fingers or sticks into the air outlet.
- Don't do any change of machine unless guiding by our technicians.

 **Attention:** Install the machine stably with screw suspender on the ceiling, and make sure there have over 2 degree slant angle to the drainage tube for smooth continuously drain.

CONTROL PANEL



- | | |
|-------------------|-----------------------|
| ① Power on/off | ② Mode |
| ③ Setting | ④ Speed |
| ⑤ Humi+ | ⑥ Humi- |
| ⑦ Guiding light | ⑧ Ventilation mode |
| ⑨ Fan indication | ⑩ Humidity indication |
| ⑪ Time indication | |

1. The screen turns on and displays ambient humidity when power is on the dehumidifier.
2. Press "Power on/off" button to start the dehumidifier.
3. Press "Mode" button to change dehumidifying or ventilation mode; the screen will display the corresponding icon.
4. In the dehumidifying mode:

Press "Setting" once to set target humidity.	Press "Setting" twice to set timed on hours.
Press "Setting" thrice to set timed on minutes.	Press "Setting" quartic to set timed off hours.
Press "Setting" five times to set timed off minutes.	Press "Setting" six times to set clock hours.
Press "Setting" seven times to set clock minutes.	
5. "Humi +": Press the key to set the humidity value up with 1%RH scale in running mode. Press the key to set the hour or minute down with 1 hour or 1 minute scale in timed on/off or clock setting mode.
6. "Humi -": Press the key to set the humidity value down with 1%RH scale in running mode. Press the key to set the hour or minute down with 1 hour or 1 minute scale in timed on/off or clock setting mode.
7. "Humidity display": Current ambient humidity display when in standby / ventilation / dehumidifying mode. Blinking when at humidity setting mode.
8. "Guiding light": Blinking when the machine is running.
9. "Defrosting": Dehumidifying icon blinking when the machine is in automatic defrosting.
10. "Timed on/off and clock display": Blinking when in timed on/off or clock setting mode.
11. "Ventilation mode": Light on when in ventilation mode.
12. "Dehumidifying mode": Light on when dehumidifying mode and Blinking when in the 3 minutes delay protection mode.
13. "Remote on/off wiring": Wiring on the control board with dry contact to control.

FAULT CODE INDICATION

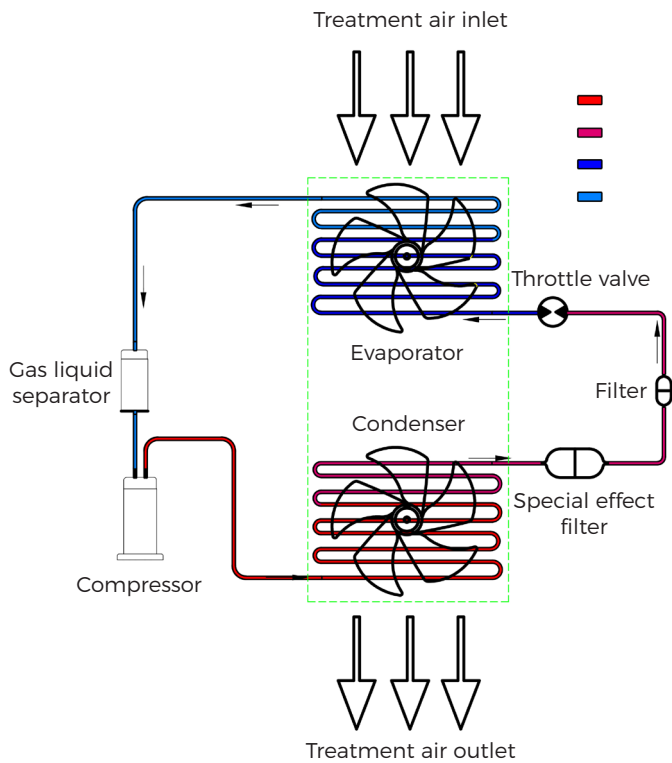
Code	Description	Solutions
E1	Coil temperature sensor error	check the data wire or replace new sensor
E2	Room humidity sensor error	check the data wire or replace new sensor
E3	Phase sequence error	check the power supply or wire connection
E4	Phase missing	check the power supply or wire connection
E6	Compressor pressure protection	Fill enough refrigerant and check the leakage point

COMMON FAULTS REMOVING

Failure phenomenon	Cause Analysis	processing method
The machine is not running	Power cut	Restore the power
	Power is not normal	Restore power
	Power plug is not plugged in	Put plug into the receptacle
	Fuse blowout	Replace the fuse
Poor dehumidification function	Filter Clogged	Clean the filter
	Air inlet and outlet blocked	Remove obstructions to make good ventilation
	Windows and doors is not closed	Close doors and windows and vents
	Refrigerant leakage	Contact for maintenance
Cannot reach suitable humidity level after long time running	Doors and windows are not closed	Close doors and windows and vents
	Vapor source existed in the room	Close vapor source
	Room too large	Provide right room size to buy correct machine and quantity
Noise abnormally	The machine placed not stably	Place the machine stably
	Filter Clogged	Clean the filter

1. When the malfunction can not be removed and recognized, please contact the supplier for maintenance service, do not attempt to disassemble the machine to repair without guide.
2. When dehumidifier is running or stopping, you will hear the sound of refrigeration cycle, it is a normal phenomenon, not a fault.
3. Discharge hot air from outlet is a normal phenomenon.

SCHEMATIC&CIRCUIT DIAGRAM



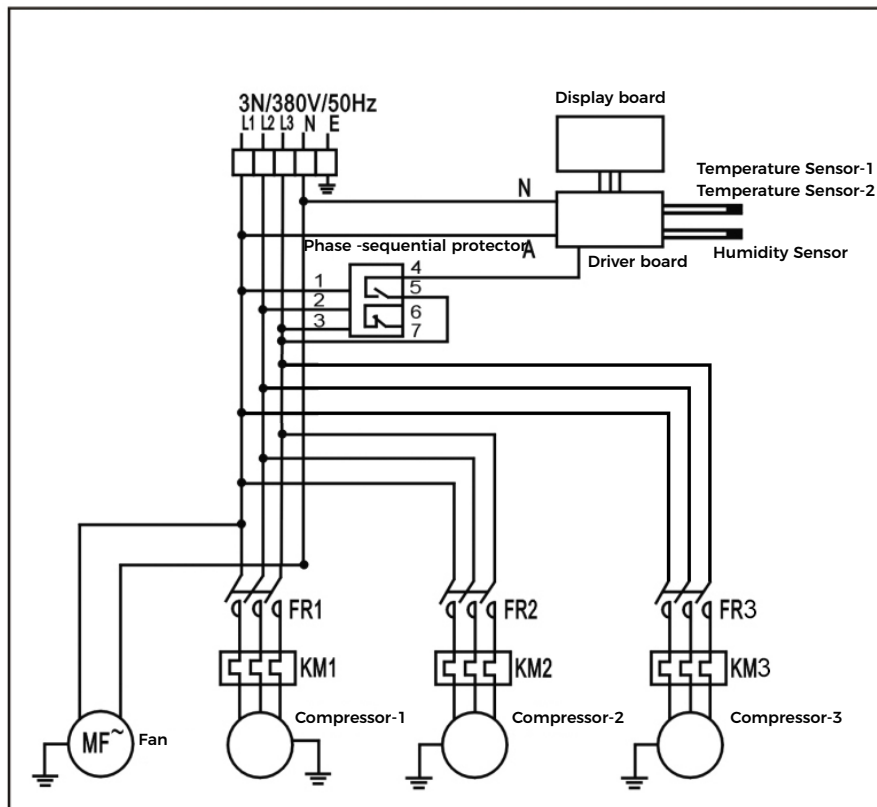
Dehumidification principle

Under the condition of normal startup → through the operation of the fan → moist air is sucked in from the air inlet → through the evaporator → the evaporator absorbs the moisture in the air on the aluminum sheet → becomes dry air → dissipates heat through the condenser → blows out from the air outlet.

Refrigeration principle

The high temperature and high pressure gas is discharged through the operation of the compressor → the exhaust port → enters the condenser for cooling → becomes a low temperature and high pressure gas → intercepts the flow through the capillary → becomes a low temperature and low pressure liquid → evaporates and absorbs heat through the evaporator → returns to the compressor and becomes a low temperature and low pressure gas.

Circuit diagram



DJDD-9681E

TECHNICAL PARAMETERS

Model no.	DJDD-9681E
Nominal dehumidifying	960L/D
Input Voltage	380-440V/ 50Hz
Rated input power	12 Kw
Rated input current	17 A
Air flow	12000 m ³ /h
Applying area (2.6m floor height)	600-800 m ²
Compressor/Refrigerant	Panasonic/R407c
Noise	≤70dB
Flange size air inlet/Outlet	1135x735/2214x260mm
Humidity control range	40%-95%
Working temperature	5-38℃
Net Weight	350 kgs
Gross weight	400 kgs
Overall dimension	2530x1200x755 mm

It will be not noticed additionally if any change of above parameters, please contact with us.

PROTECTION FUNCTION

Protection function

- A. When the dehumidifier is automatically frost, the compressor stops running, the fan continues to run, the frost lights are on, and the running lights are on.
- B. After the compressor delays the protection function, the compressor is automatically delayed after 3 minutes.
- C. When the temperature and humidity sensor is abnormal, the compressor and fan are turned off, the running lights are flickering, and other indicator lights are extinguished. At this time, all keys cannot work. After the sensor failure is eliminated, the key should be re-opened to work normally.

MAINTENANCE OF MACHINE

Do shutdown the machine and cut power before maintenance.

General maintenance

Wipe the body with soft cloth in daily use. Use a wet hard cloth to wipe dirty body, or use a soft cloth moistened with a little diluted neutral detergent.

Regular maintenance

Filter Cleaning: it will affect the dehumidifying effect or cause malfunction if accumulate dust on filter , it needs to be cleaned regularly, clean it at least once a month. Use dust catcher to remove dust or put filter into clean water (<40 °C) to wash, then place filter back after cleaning.



Attention:

- 1.The filter cannot be put in sunlight directly or roasted to avoid distortion.
- 2.The filter must be placed before power up machine.
- 3.Long time of non-use, cut the power or unplug power line to put it in dry and shady place.
- 4.Do not put down the machine to avoid damage and malfunction.

WHAT IN THE BOX

		
1.User's Manual (1pcs)	2.Dehumidifier (1pcs)	3.Drain hose (1pcs)

Note: Some parameters of this product may change without timely notifications.



A professional dehumidifier manufacturer