



USER'S MANUAL

Model: DJ-4881E



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

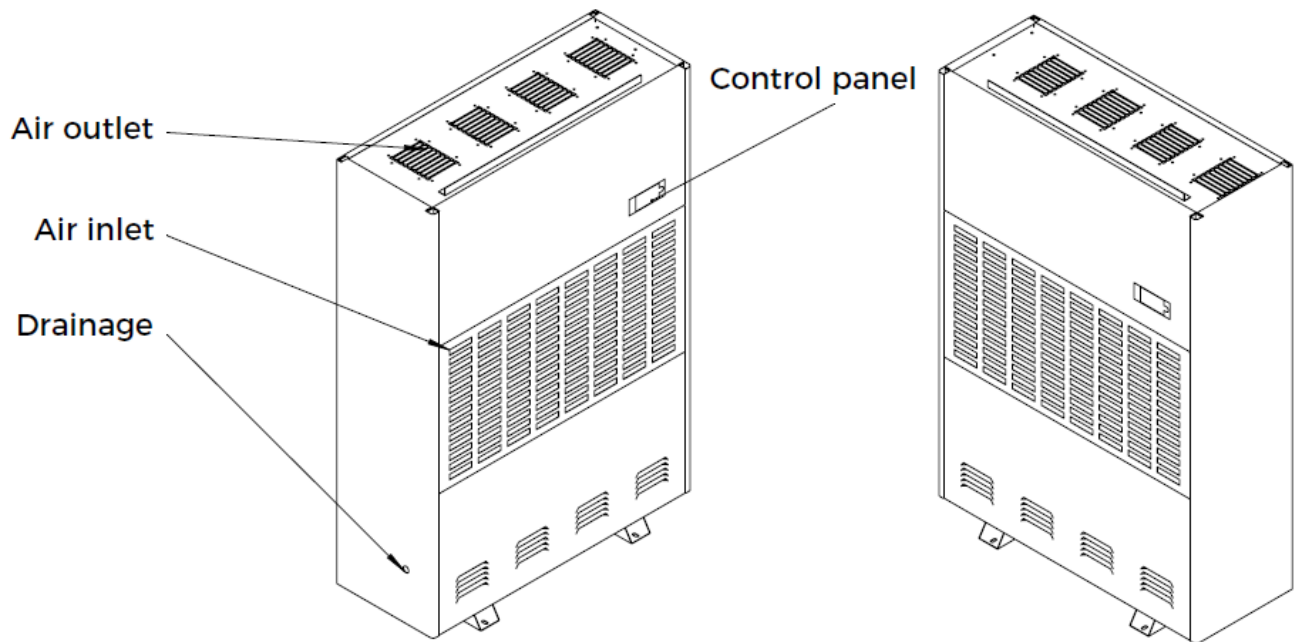
Please read all the instructions carefully before using the machine

- Do make sure the power supply is 380V/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.

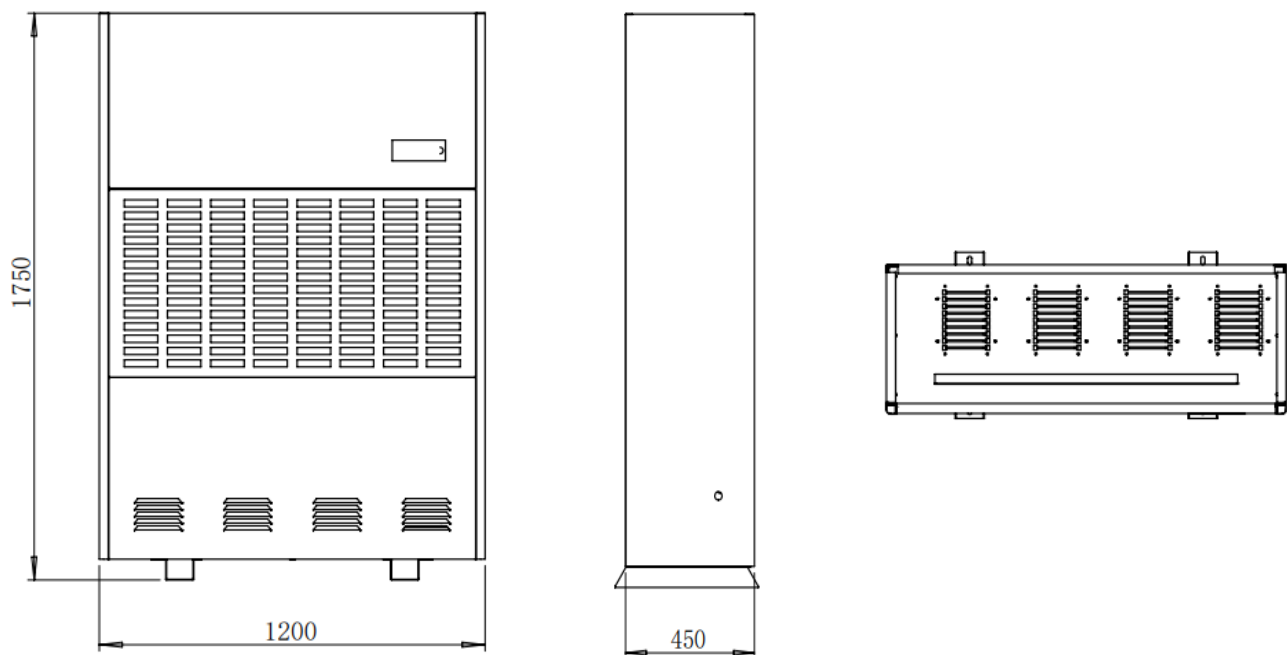


Attention: The machine has loss and dislocation phase protector, when the connected three phases outer power supply is not correct as the machine setting, the protector will be disconnected, all the indicator on control panel will be regularly display, but the machine will not run. Please correct the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

STRUCTURE OF PRODUCT



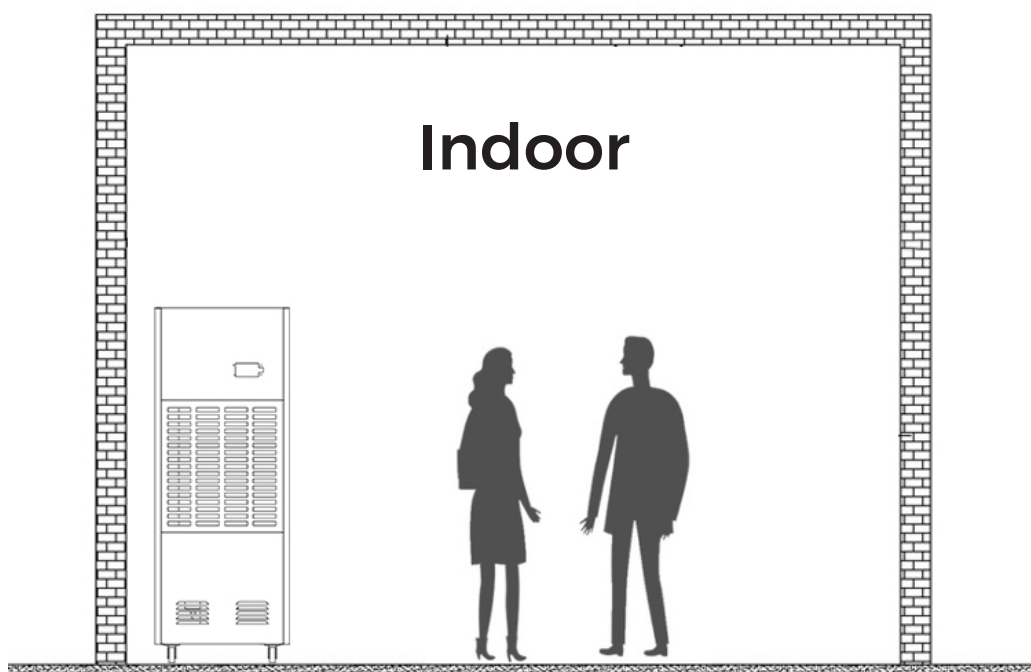
Sketch of the shell



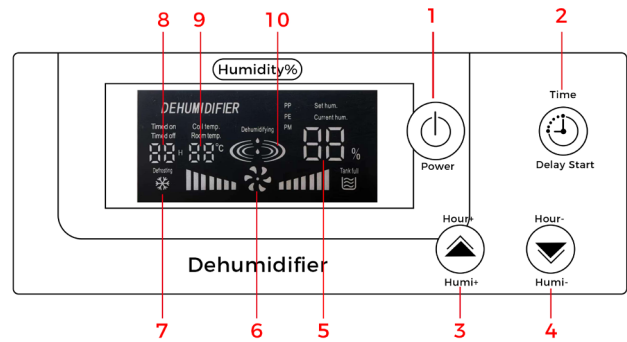
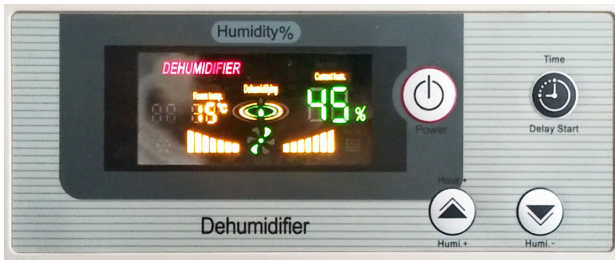
- Attention: The product size is slightly deviated with the physical object, which is subject to the real thing!

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.



CONTROL PANEL



1. "Power"

On: press the key into opening mode

Off: press the key into closing mode.

2. "Time" Press the key into timed on/off setting mode.

3. "+" Press the key to set the humidity value up with 1%RH scale in running mode. Press the key to set the hours up with 1 hour scale in timed on/off setting mode.

4. "-" Press the key to set the humidity value down with 1%RH scale in running mode. Press the key to set the hours down with 1 hour scale in timed on/off setting mode.

5. "Humidity display" Current ambient humidity display when in standby mode and running mode. Blinking when at humidity setting mode.

6. "Running indicator light" Blinking when the machine running.

7. "Defrosting indicator light"

Blinking when the machine is automatic defrosting

8. "Timed on/off hours display"

Blinking when in timed on/off setting mode

9. "Ambient temperature display"

10. "Dehumidifying"

Light on when in standby mode and running mode.

Blinking when in the 3 minutes delay protection mode.

FAULT CODE INDICATION

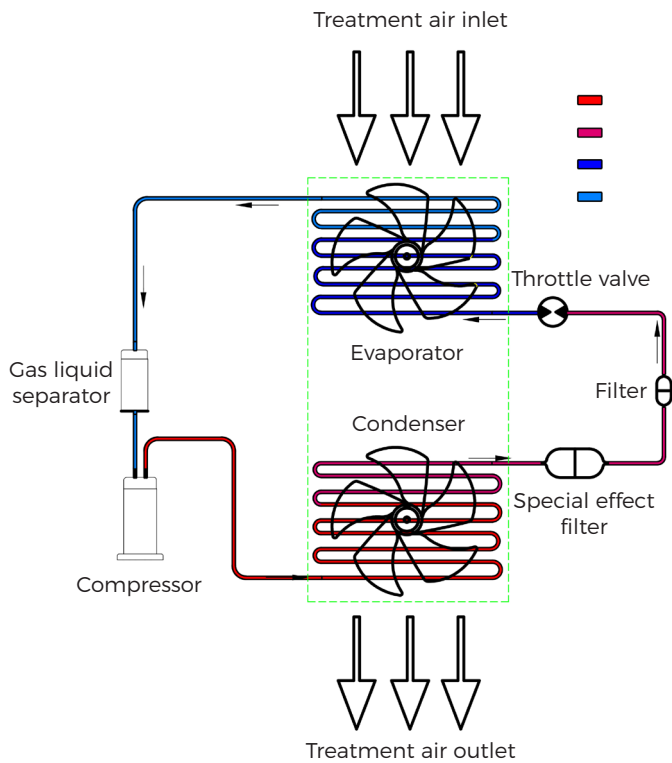
E1	A temp. sensor fault	E2	Humidity sensor fault
E3	Low pressure protection A	E4	Low pressure protection B
PE	Phase sequence fault	PM	Phase loss

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



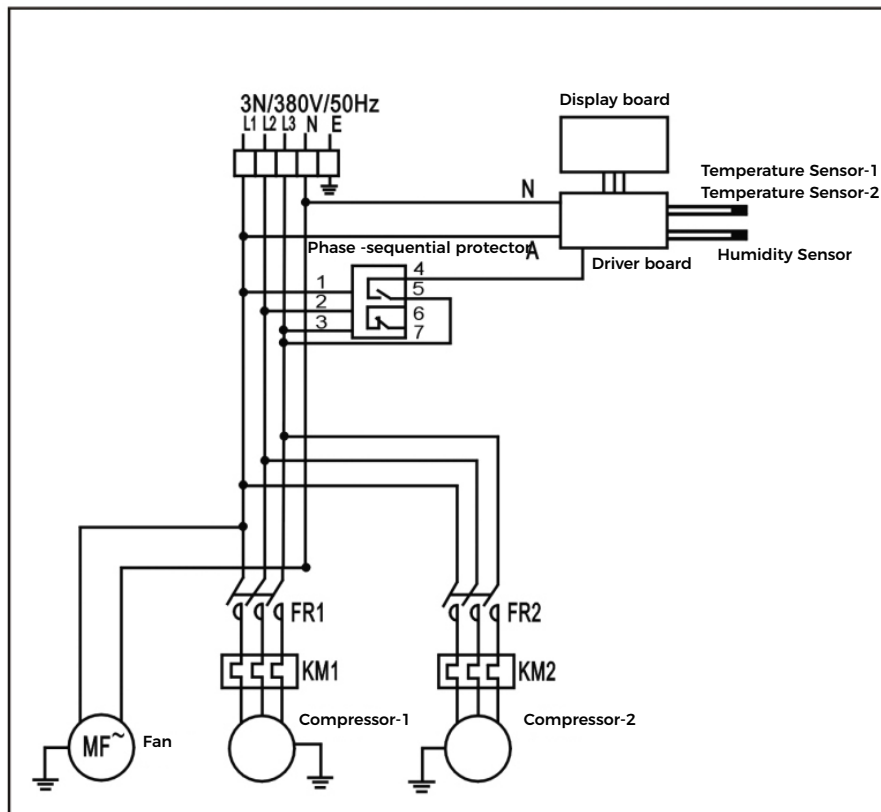
Dehumidification principle

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



DJ-4881E/DJ-7281E

TECHNICAL PARAMETERS

Model no.	DJ-4881E
Nominal dehumidifying	480L/D
Input Voltage	380V/ 50Hz
Rated input power	6.5 Kw
Rated input current	10 A
Air flow	5600 m ³ /h
Applying area (2.6m floor height)	500-600 m ²
Humidity control range	40%-95%
Working temperature	5-38°C
Net Weight	178 kgs
Gross weight	213.5 kgs
Overall dimension	1185x445x1750 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 (1 pcs)	2.Dehumidifier (1 pcs)	

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



A professional dehumidifier manufacturer