

Thermostatic Dehumidifier

DJFT-4881E



Instruction For User

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Thermostatic Dehumidifier

thermostatic dehumidifier use evaporator to dehumidifying and adjust air temperature, and recycle the condensing heat of system to replace air heat when in cooling and dehumidifying. thermostatic dehumidifier use split type with indoor unit and outdoor unit, and with refrigerating system including compressor, four-way valve, outdoor heat exchanger, indoor 1st & 2nd heat exchanger, expansion valve etc by connecting with refrigerant pipe. It use famous brand spare parts like full seal refrigerating compressor, expansion valve and solenoid valve etc. And the touch screen is used on the machine with intelligent operation, it can display the running status and malfunction. The machine has the advantage of high efficiency, silence running, big air volume. It used in special condition which need strict temperature control as well as humidity requirement, temperature control range 18~28°C, humidity 40~80% RH.

Important safety instructions

Please read all the instructions carefully before using the machine

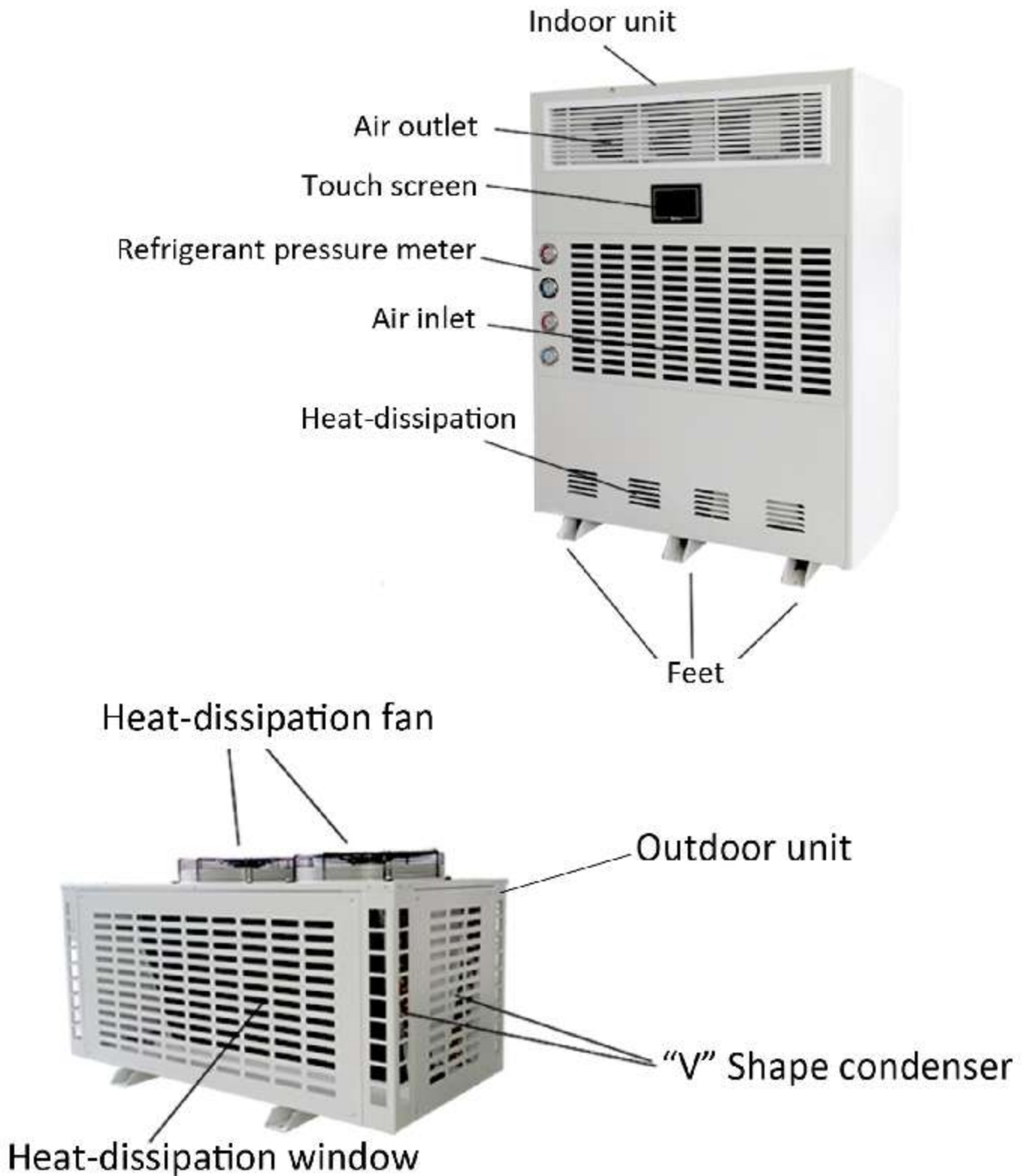
Do make sure the power supply is 380V/50Hz before power up the machine

- 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 rodlike 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

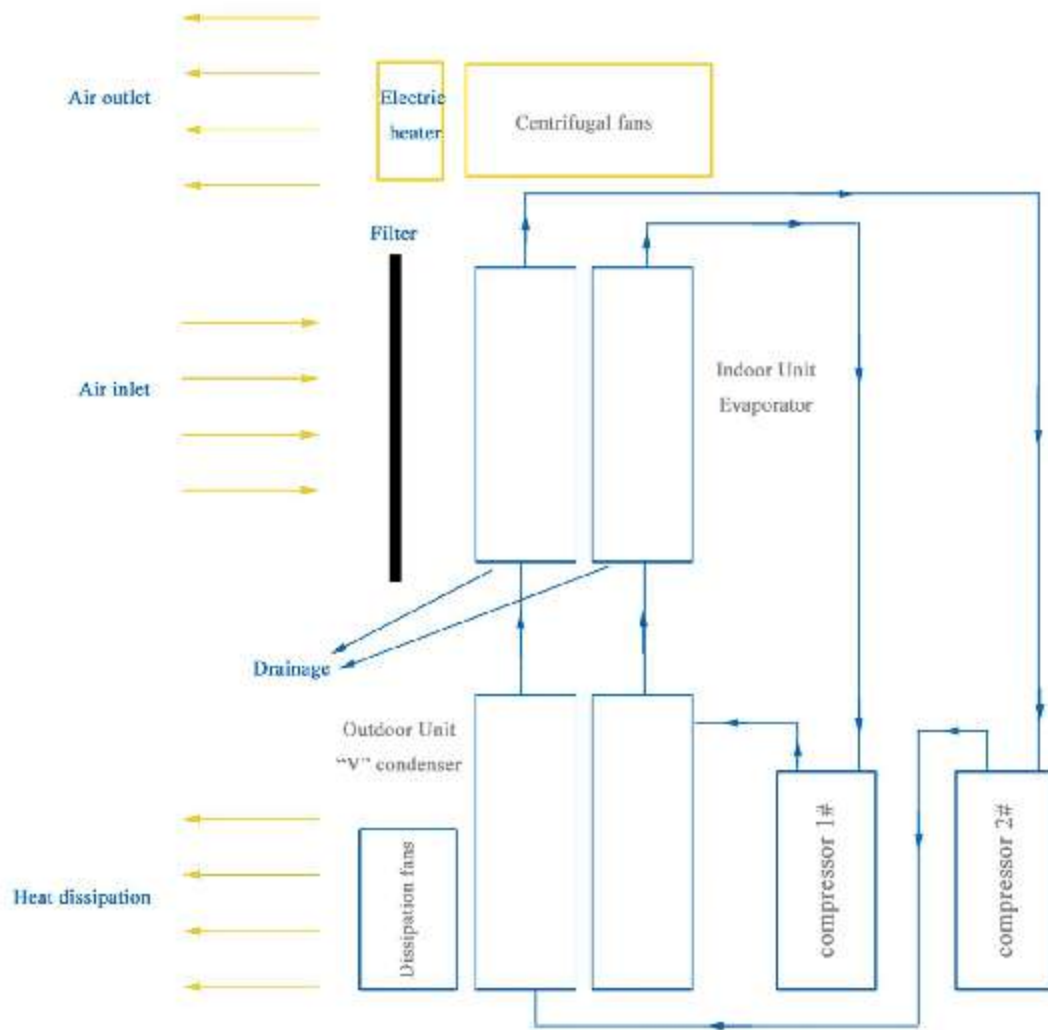


Attention: The machine has loss and dislocation phase protector, when the connected three phases outer power supply is not correct as the machine setting , the protector will be disconnected, all the indicator on control panel will be regularly display, but the machine will not run. Please correct the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

Structure



Dehumidifying Technology



Refrigerant inside circulation

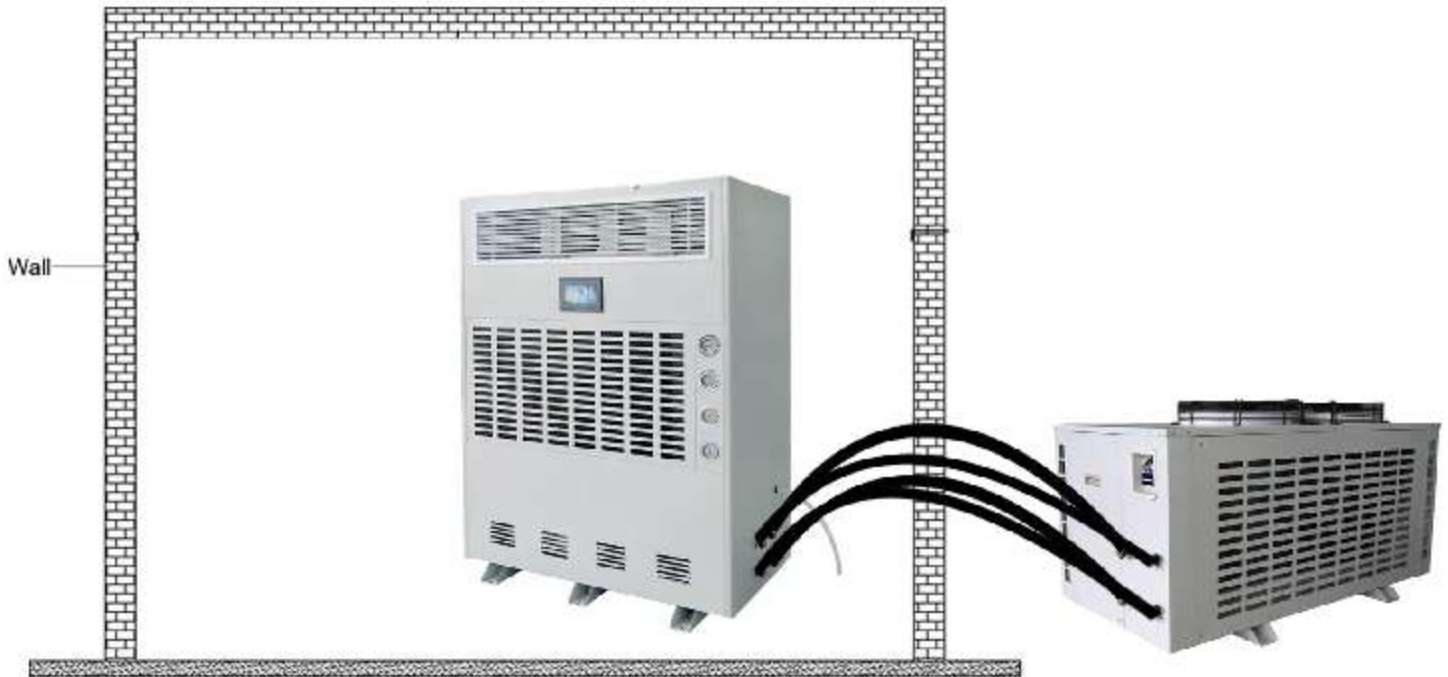
Compressor → high temperature high pressure gas → outdoor Condenser → low temperature high pressure gas → capillary → low temperature low pressure liquid → indoor Evaporator → low temperature low pressure gas → compressor

Air outside circulation

Wet air → filter → indoor unit evaporator

- cool dry air → room (cooling mode)
- electric heater → hot dry air → room (heating mode)

moisture become to water drop to drainage system



Attention

Install the indoor unit on flat firm floor stably to connected by cooper pipe with outdoor unit, please make sure to connect well to avoid any problem of leakage. And please also connect the power line from indoor unit to outdoor unit correctly to avoid malfuction or accident.

Touch Screen



Home Interface

Touch screen will be into “Home Interface” when you power up the machine, press “ENTER” button get into “Select Interface”.



Select Interface

On this interface, it can get into “Running Interface”, “Advanced Setting” and change password, press “HOME” button back to “Home Interface”.

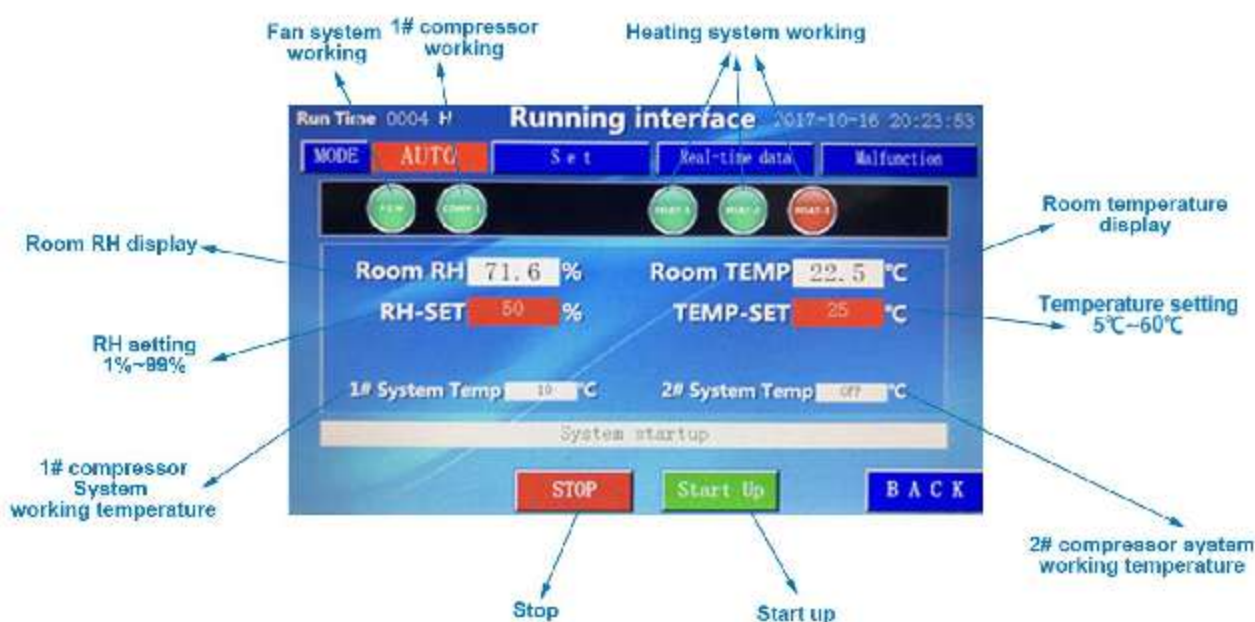


Running Interface

You can see all the running status of machine, current ambient temperature and humidity, system temperature, see detailed operating guide on next page.



Operation



Press the "Start Up" key to start the machine

Humidity setting: press "RH-SET" blank to input humidity value you expected, the dehumidifier will start dehumidifying when the setted humidity is 3% less than the current humidity, unless it will stop dehumidifying when the setted humidity 3% more than the current humidity.

Temperature setting: press "TEMP-SET" blank to input temperature value you expected. You can set a value in "set interface", when you input a temperature higher than current ambient temperature exceed this value, the heating system will start working.

Protection Fuction

1、 Automatic defrost protection function

The dehumidifier will defrost automatically when it frost on a certain level on the evaporator, compressor shutdown. The dehumididifer will start automatically when defrosting finished. We set the machine defrost when ambient temperature is under 18°C.

2、 Compressor delay start protection function

If you want to start the machine in 3 minutes after shutdown dehumidifier, the compressor will start after 3 minutes for delay protection.



Caution In Use

- ★ Do not tilt the machine more than 45 ° in moving or installation to avoid damage to the compressor.
- ★ Working temperature scope of the machine is 5 °C ~ 38 °C.
- ★ The room temperature will go up around 3°C from compressor heat dissipation when dehumidifier running, it's normal phenomenon, please feel free to use.
- ★ It's not necessary to use dehumidifier when the room temperature is below 10°C, the absolute humidity is quite low at this condition.
- ★ Please try to seal environment better to increase the effect of dehumidifier.
- ★ Do not place the machine in the area which may come into contact with water or chemical.
- ★ Do not use any relay, extension line or adapter to connect the power of machine.
- ★ Do not place the machine next to the stove, heater and other equipment will dissipate heat, and area with direct sunlight or wind and rain.
- ★ Do place the plug stably and clean the dust on power line.
- ★ Do not damage or modify the power line, do not repair by yourself and disassemble or modify the machine.
- ★ Do place the drainage tube smoothly for continuously drain.
- ★ Please shutdown the machine and cut power when in malfunction.

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
	Vapour source existed in the room	Close vapour source
	Room too large	Provide right room size to buy correct machine and quantities
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.

Technical Parameters

Model no.	DJFT-4881E
Power supply	380V/50Hz
Rated input power	10.0 Kw
Rated input current	26.3 A
Air flow	5600 m ³ /h
Applying area (2.6m floor height)	280-350 m ²
Nominal capacity	25.0 Kw
Nominal dehumidification	20 kg/h
Working temperature	5°C-38°C
Gross weight	320 KG
Net weight	300 KG
Indoor unit size	1350x860x1795 mm
Outdoor unit size	1350x900x790 mm

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

Performance

Dehumidifying capacity at different ambient temperature and humidity							
RH \ T	10 °C	15 °C	20 °C	25 °C	30 °C	35 °C	
50%	85	120	160	218	300	400	
60%	100	137	192	266	355	480	
70%	120	165	228	320	417	556	
80%	133	192	266	358	480	643	
90%	154	218	290	400	542	729	
liters per 24 hours							

Maintenance

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.

P.S.

The filter cannot be put in sunlight directly or roasted to avoid distortion. The filter must be placed before power up machine.

Long time of non-use

Cut the power or unplug power line to put it in dry and shady place. Do not put down the machine to avoid damage and malfunction.