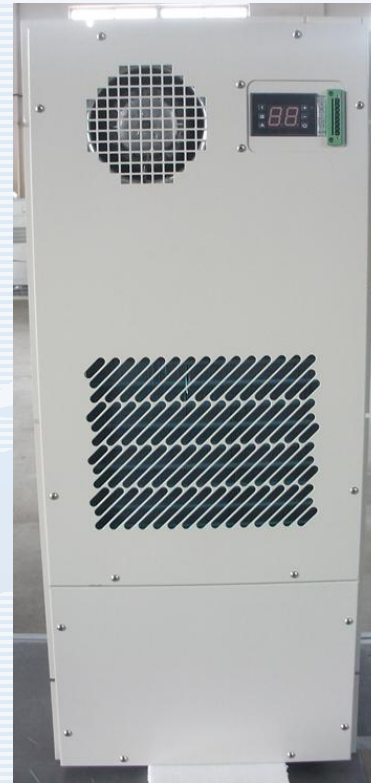


Cabinet air conditioner



External
circulation



Internal
circulation

1. Operation

1.1 Pre-run check:

After the electrical and air conditioners have been installed, check the following inspection items:

- A. No visible obstruction near the entrance and exit of the internal and external circulation of the air conditioner
- B. The air conditioner is mounted vertically and all mounting screws are tightened
- C. The drain pipe of the air conditioner is reliably secured and connected to the drainage line of the cabinet (optional)
- D. The power cord is reliably connected
- E. Fan can turn freely and smoothly, no sound
- F. AC input voltage conforms to the contents of the nameplate parameters

1.2 Power-on run

- A. Turn on the power breaker and start running.
- B. Close AC power input breaker, the internal fan is running. If it reaches the temperature of internal circulation, the cooling and heating start run,
When the cycle temperature reaches the operating conditions, the refrigeration system heating system will start to operate; the running of the external circulating fan is controlled by condensation pressure and therefore lags behind the operation of the compressor.

2. Failure and Treatment

2.1 "E1" appears on the display, is the sensor 1 fault;

Possible reason: RT1 sensor damaged or loose

Treatment: (1) Replace the new sensor, (2) open the panel with the power terminal and plug the sensor into the RT1 port.

2.2 "E2" appears on the display, is the sensor 2 fault;

Possible reason: RT2 sensor damaged or loose

Treatment: (1) Replace the new sensor, (2) open the panel with the power terminal and plug the sensor into the RT2 port.

2.3 "Hi" appears on the display, it is high temperature warning;

Possible reason: Temperature exceeds the set alarm temperature

Treatment: Confirm whether the high temperature setting is too low, the factory default value is "45 degrees".

2.4 "Lo" appears on the display, it is low temperaure alarm;
Possible reason: Temperature lower than the set warning temperature

Treatment: Confirm whether the low temperature setting is too low, the factory default value is "-5 degrees".

2.5 "HP" appears on the display, it is pressure protection;
Possible reason: Switch open or closed alarm

Treatment : (1) Damage to the outside fan or loose of fan wire;
(2) Use hard brush to clean air inlet
(3) Clean the condenser with a high-pressure air gun.

2.6 After the power supply is switched on, the temperature in the cabinet is higher than the set temperature, the equipment does not operate;

Possible reason: (1) check the power supply, circuit;
(2) Please contact a professional maintenance person

2.7 The equipment is running normally but the cooling effect is not ideal;

Possible reason: (1) re-select or add cooling equipment according to load size;
(2) Make sure that the working temperature of the machine is within the normal operating range;
(3) Please contact a professional maintenance person

2.8 In normal operation, suddenly stop cooling, and the electrical control system is not failure;

Possible reason: (1) Normal. Equipment monitoring the temperature in the cabinet, according to the set temperature to decide whether to start and stop refrigeration operation;
(2) Contact a professional repair person.

2.9 In normal operation, sudden shutdown, and the electrical control system is not failure;

Possible reason: (1) check if the power circuit is ok, (2) contact a professional service person.

3. Maintenance

Good maintenance is the best way to ensure the service life of the equipment, please refer to the manual for maintenance work.

Attention:

- A. All maintenance work must be carried out by qualified professionals, please disconnect the air conditioner power and signal line in advance, after the maintenance work finish, connect power cord and signal line.
- B. If cleaning or wiping dirt from the outside of the cabinet air conditioner, use a neutral cleaner and do not use organic solvents.

3.1. Condenser, evaporator maintenance

The external circulation air inlet has a filter maintenance, regular cleaning with a hard brush, regular check 3 to 4 times is appropriate;

Note: Condenser, evaporator fins with a brush to clean regularly every year, 3 to 4 times is appropriate;

3.2. Maintenance tools :

Compressed air, washing gun, and little watering can(Picture 1, 2, 3)

Soft brush

Cross screwdriver

Cutting nippers(binding wire)

Multimeter

Small clothes, towel and other clean tools



Picture1



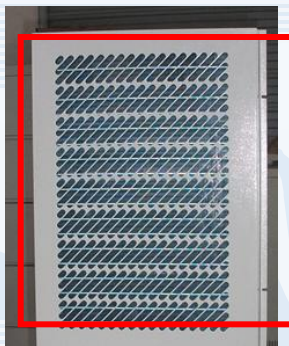
Picture 2



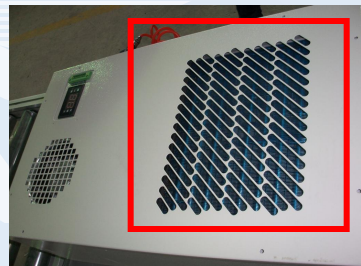
Picture

3

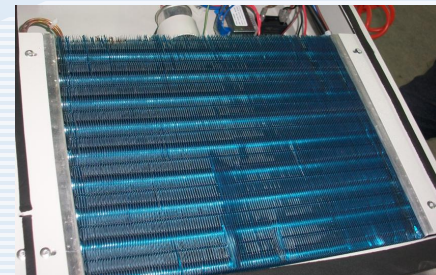
Clean picture : Regularly clean condenser and evaporator(the red box), when clean evaporator, please open front plate.



External condensor



Inner evaporator



3.3 Maintenance point:

- 1) Any loose damage to the position of the temperature probe
- 2) Network voltage: V
- 3) Complete machine operating current: A
- 4) Internal circulation inlet air temperature: °C
- 5) Outlet air temperature: °C
- 6) External circulation inlet air temperature: °C
- 7) Outlet air temperature: °C
- 8) Inspect and clean external circulation filter
- 9) Inspect and clean condensor
- 10) Inspect and clean if the drain pipe is blocked
- 11) Clean the outside of cabinet
- 12) Check the inner fan, it it turn smoothly, no noise, abnormal vibration
- 13) Check the outer fan, it it turn smoothly, no noise, abnormal vibration
- 14) Check the temperature-sensitive probe placement reasonable

3.4 、 Important maintenance month:

April Reason: Poplar, willow and other plant pollination floating season, at least 2 cleaning

maintenance of external circulation filter

July Reason: Entering the summer hot season

November Reason: Autumn leaf season

The above is for Chinese season for reference, please change according to your country.