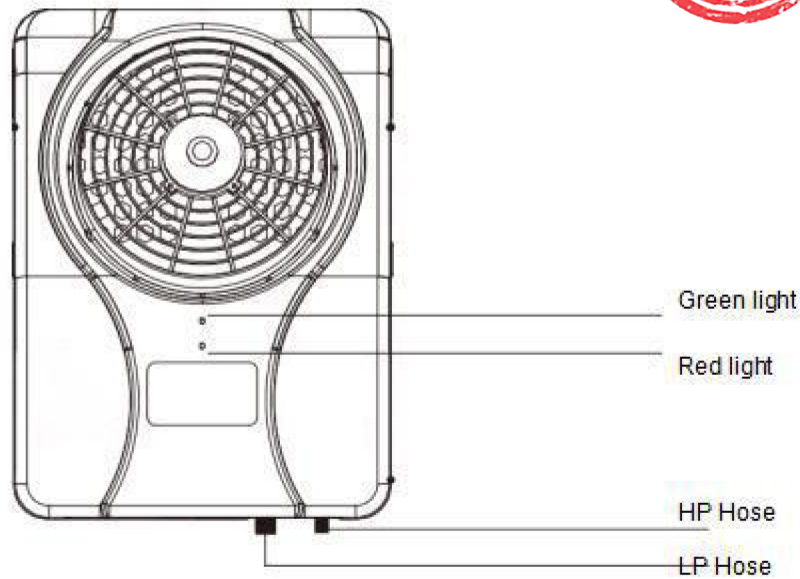


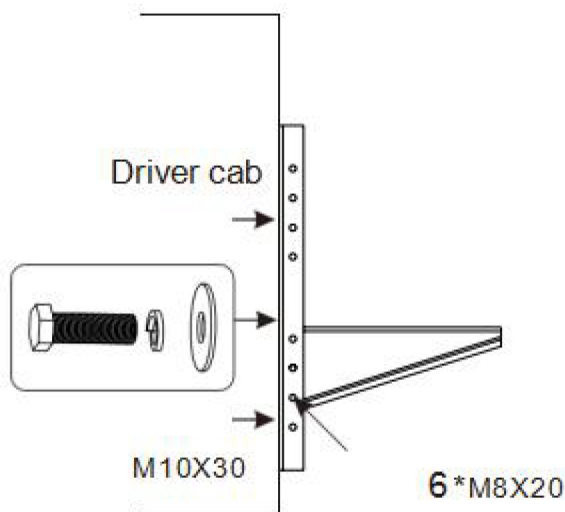
Installation Instruction (62 710 012 – 62 710 013)



1. Please check if there is air inside the air conditioner:

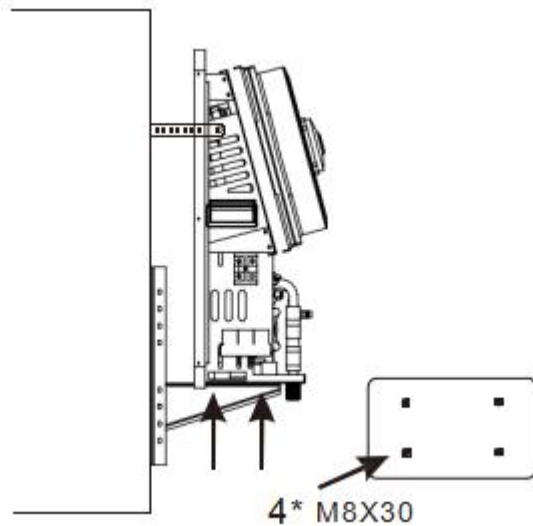
- A. With air, the air conditioner system is normal.
- B. No Air: Please press to check the leak point of the air conditioning system, and it can be installed if not affecting the quality of the air conditioner.

2. Air conditioner installation Bracket:



- 2.1. Fix the air conditioning bracket to the appropriate position in the cab with M10X30 screws;
- 2.2. Please make sure to add a spring pad and a large flat pad;
- 2.3. Install the triangular bracket (screw M8X20); for further installation.

3. Air Conditioner Condenser installation



- 3.1 Open the air conditioner cover
- 3.2 Install the air conditioner on the bracket(screw M8 x 30).
- 3.3 Make sure the installation is Fastened without looseness.

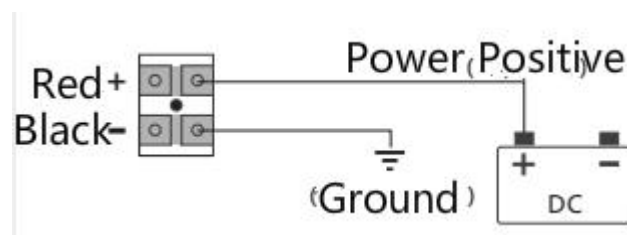
4. Power cable Connection:

4.1 The fire wire is connected to the red end of the two-position plug, and the other end is connected to the battery positive or motor.

Fire line end;

4.2 Ground wire directly hits the iron (first remove the rust to ensure the current is always on, one end is connected to the two-position black end, and the other end is rust-proof to directly hit the iron)

4.3 Check if the power cord is loose and make sure the installation is correct.



Please professional air conditioning installation personnel, according to the conventional air conditioning installation operation

5. Notice:

- 5.1 Must use genuine R134a refrigerant;
- 5.2 Under 35C normal temperature, the low pressure should under 2.5Kg, High Pressure 13Kg.
- 5.3 Air conditioner Hose total length less than 2meters.
- 5.4 Refrigerant no more than 500-600g.

Voltage fault display

1. **Green light:** Compressor working
2. **Compressor too hot :** Red light on: The compressor is overheated, the controller control circuit is cut off, and the air conditioning system is completely shut down. Wait for 30-50 minutes until the compressor temperature drops below 45 ° C to reset. After reset, the red light is extinguished, and the control circuit resumes power supply. Start up, stop using after overheat protection, and check the cause of the fault. Repeated protection will damage the compressor.
3. **HP & LP Right light on:** For high and low voltage protection, the high and low voltage switch is installed on the high pressure pipeline. The gear pressure is lower than 3 kg higher than 19 kg, the pressure switch is disconnected, the controller control circuit is cut off, the air conditioning system is completely stopped, and the red light is reset after the pressure switch is reset. Extinguish, the control circuit resumes power supply, the air conditioner starts automatically, it should be stopped after protection appears, and the cause of the fault is checked. Repeated protection will damage the compressor.

fault code description table(Yellow Light On)

No.	Default Code	Code description
1	LU	Power voltage: Low voltage
2	HU	Power voltage: High voltage
3	OPE	Temperature control switch open
4	SHR	Temperature control switch short circuit
5	PER	Air conditioner system pressure is low

Air Conditioner fault solution:

1. Low voltage(LU)

- 1.1 Check whether the fire wire and the ground wire are loose, and whether the ground wire contact surface is insulated;
- 1.2 air conditioning fire line, hanging wire harness is too long to cause pressure reduction;
- 1.3 Whether the wire plug is loose, whether the wire harness wire is too thin or too long, causing the wire to heat up to form a pressure drop phenomenon;
- 1.4 Whether the battery is short of electricity, whether to use the air battery for parking in the car (electric vehicle battery);
- 1.5 Whether the power of the generator is too small, or the generator fire line is too thin, aging causes the generator to charge the battery too small or the battery is not charged, and the battery can not be stored.

2. High Temperature(HU)

The live wire is incorrectly wired or not connected to the positive battery.

3. Temperature Control Switch Open

Select the temperature control switch to control the temperature, the cooling reaches the cooling temperature will cause an open circuit, and the temperature control switch can be adjusted.

4. Temperature Control Switch Short Circuit

Replace the temperature control switch or check if the line is shorted.

5. Pressure switch failure (PER)

1. Check the system for leaks, resulting in insufficient refrigerant pressure;
- 2 Check if the electronic fan is working, causing the condenser to dissipate heat enough to form the refrigerant pressure too high;
- 3 Check if the condenser is clogged, causing insufficient heat dissipation in the condenser, causing the pressure to be too high, please clean the condenser;
- 4 Check whether the refrigerant pressure is caused by excessive temperature and the refrigerant expands. If the amount of refrigerant is too large, a small amount of refrigerant can be drained or the opening of the expansion valve can be adjusted, which is determined by the pressure of the low-pressure air conditioner.

The main reason affecting the cooling effect

1. After installation, be sure to measure the high and low pressure. The high pressure control is about 14Kg (at ambient temperature of about 32 °C). It is better to control below 14Kg when indoor or nighttime detection. Otherwise, the pressure will rise very high and the pressure will be too high at high temperature. The temperature of the refrigerant will be too high, which will affect the cooling effect.
- 2, must use genuine R134a refrigerant
- 3, the use of genuine R134a hose, otherwise it will deteriorate the refrigerant and refrigeration oil.
- 4, the wiring should be thick, the battery to the compressor line can be 10 square meters below 2 meters, 2 ~ 5 meters to make Use 16 square lines. 25 square meters are used above 5 meters. A 16 square line should be used between multiple batteries. A 10 square line is used between the installed generator and the battery. (Note: Because the current of the electric compressor is very large, the wire will cause a large line loss, please install the wiring diagram.)
6. Whenever possible, use the battery after it is fully charged. When the battery is running low, the compressor speed will decrease and the cooling performance will be affected.
7. The vacuum must be in place during installation. Because the electric compressor is sensitive to moisture and air, it is necessary to pump high and low pressure while vacuuming. It must be pumped above -0.098 for more than 20 minutes. Hold the pressure for 10 minutes to make sure the system is leak-free and then add refrigerant.
8. The pipe connection should be as short as possible, and a heat insulation layer should be added to the outside of the pipe from the evaporator to the compressor.
9. The condenser should be cleaned regularly, at least once a week, and the engineering vehicle should be cleaned every day, otherwise the cooling effect will be seriously

affected.

10. When using an electric air conditioner while driving, the battery should be fully charged first, and the generator must be above 75A. Vehicles smaller than 75A must pay attention to the storage on the instrument panel during the driving process. In the event of a battery low, immediately stop using the electric air conditioner. Especially when driving at night, pay attention! When the car is running, the generator is running, the voltage is high, and the compressor controller mistakenly believes that the battery is fully charged, but in fact the battery is out of power. When parking, the compressor controller automatically controls it without causing battery feed. In addition, when the generator is less than 55A, under voltage will occur, and when the air conditioner is stopped, it will open. (This is because the battery has run out of electricity, and when the engine speed is low, it can't keep up, causing under voltage).

11. In order to maximize the efficiency of using electric air conditioners, it is recommended to install a set of 200A or more power batteries and a generator of about 70A. It can be used for about 5 hours during the daytime and 10 hours or more for the night. There is no impact!

12. In addition to the throttle or the heat of the day, the compressor is shut down or the compressor is stopped because the refrigerant is injected too much, causing the compressor pressure to be too high.

13. When the temperature of the thermostat is set, the starting and stopping temperatures are less than 3 °C, otherwise the compressor will start frequently and consume a lot of power.

14. The positive pole of the electric air conditioner must be connected to the positive pole of the battery or the terminal of the battery. It cannot be connected to the meter. The negative pole must be rusted to directly rust or connect the battery to the negative pole.

15. The battery must be installed with a power battery (electric three-wheel traction battery), and it is forbidden to install the original model battery.

16. The electric air conditioner is installed outside the engine exhaust pipe to avoid causing high temperature of the external machine. The electric air conditioner back plate is at least 10 cm away from the cab to ensure that the condenser fan has sufficient air intake.



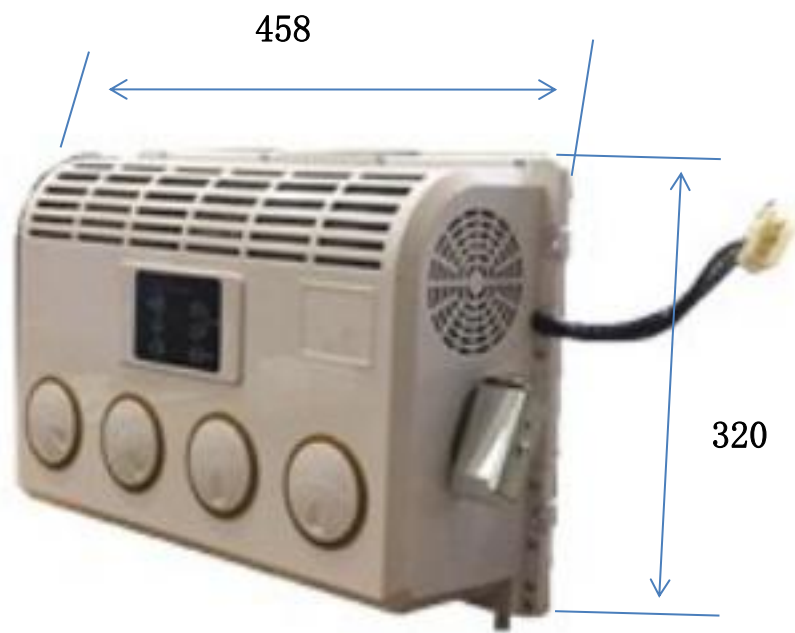
Product name: Evaporator

Model Number: Remote control DC24/12V

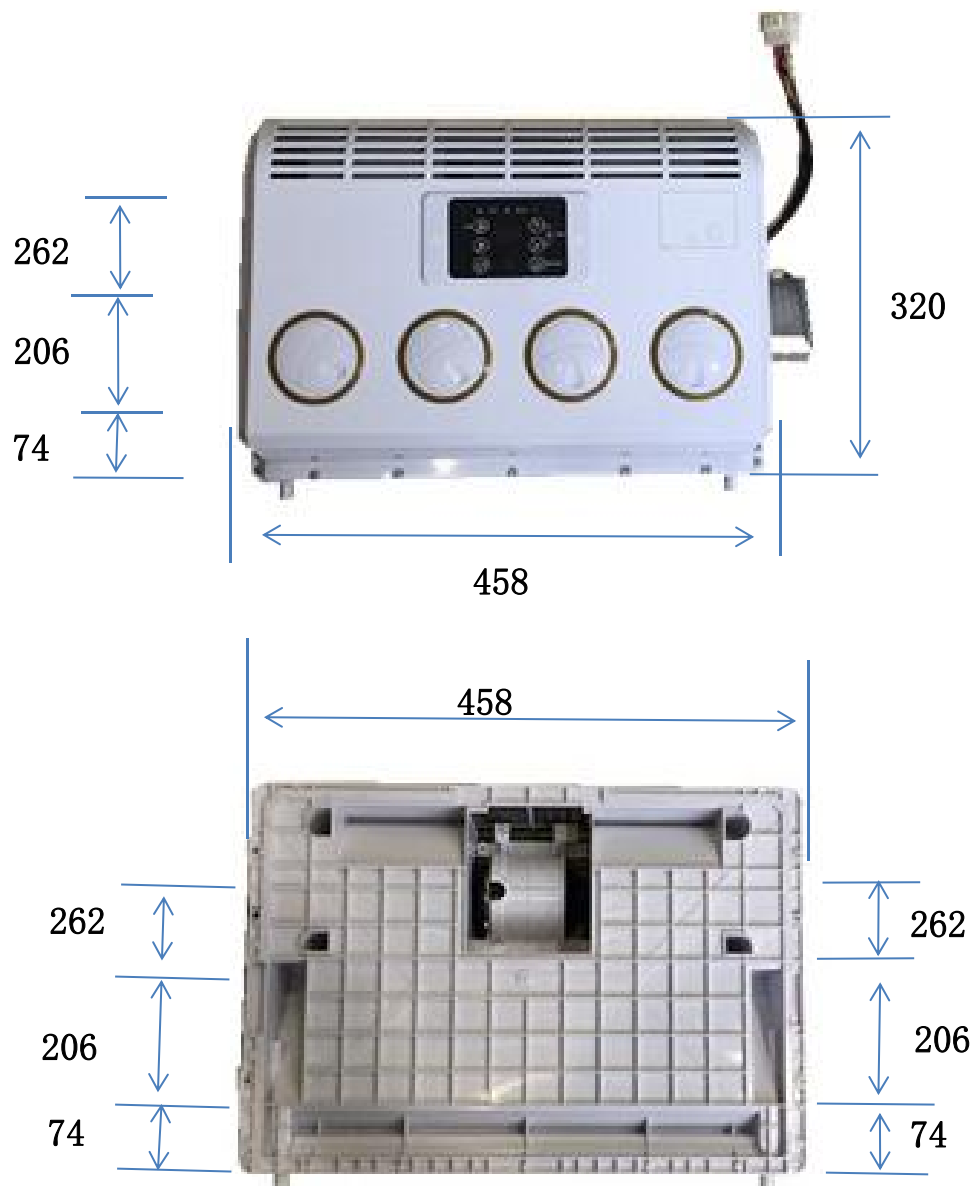
Dimension: 458X320X149

Color: White

Schematic Diagram



Installation Photo



Specification

Rated Voltage	24V/50Hz
Rated Power	72W
Dimension	458X320X149
Refrigerant	R134a

Air Flow

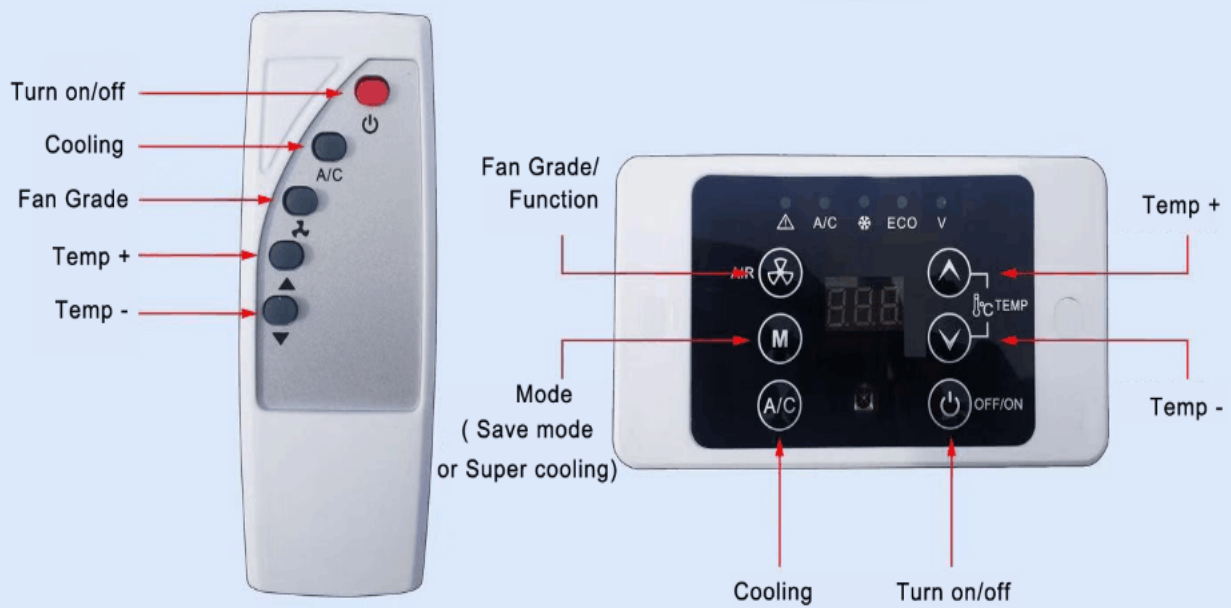
Grade	24V/50Hz	Current (A)±0.1	Air Flow (ft/min) ±50
Low		1.9A	1100~1200
Medium		2.2A	120~1300
High		2.9A	1450~1650
			Max Speed 3260RPM

Life Time

Motor life time	8000h
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G400 Digital Control Panel and Remote Control

Operation Instruction



Coil Dimension

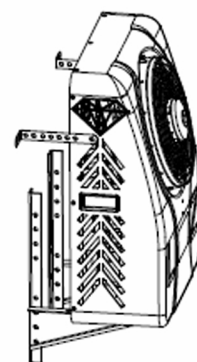
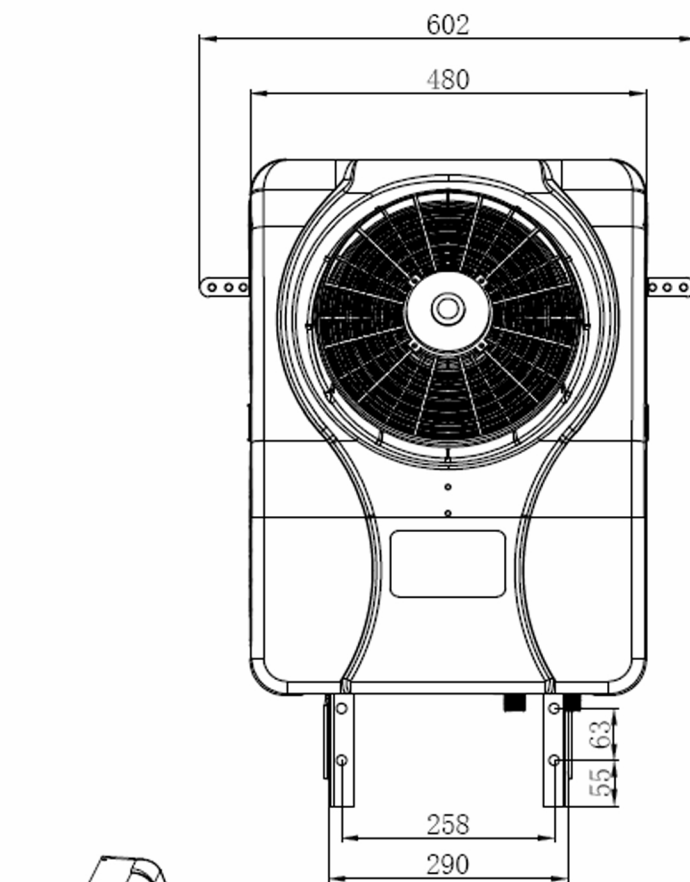


Parts Details

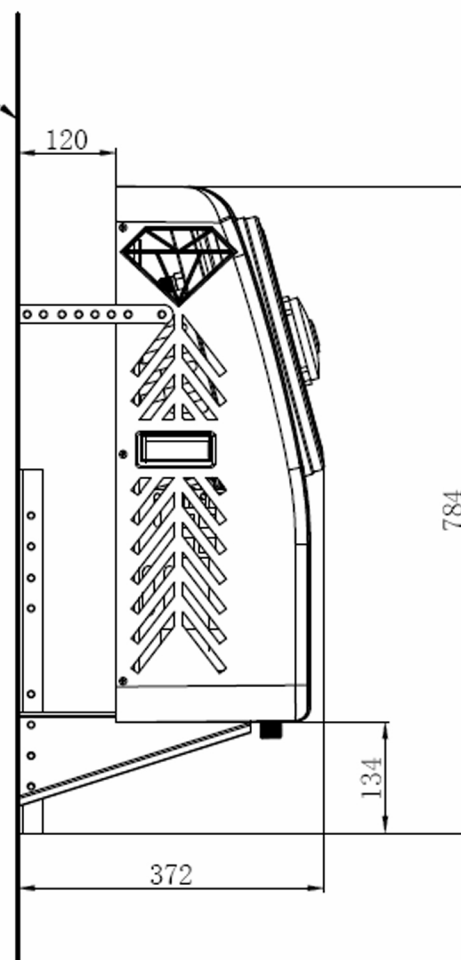


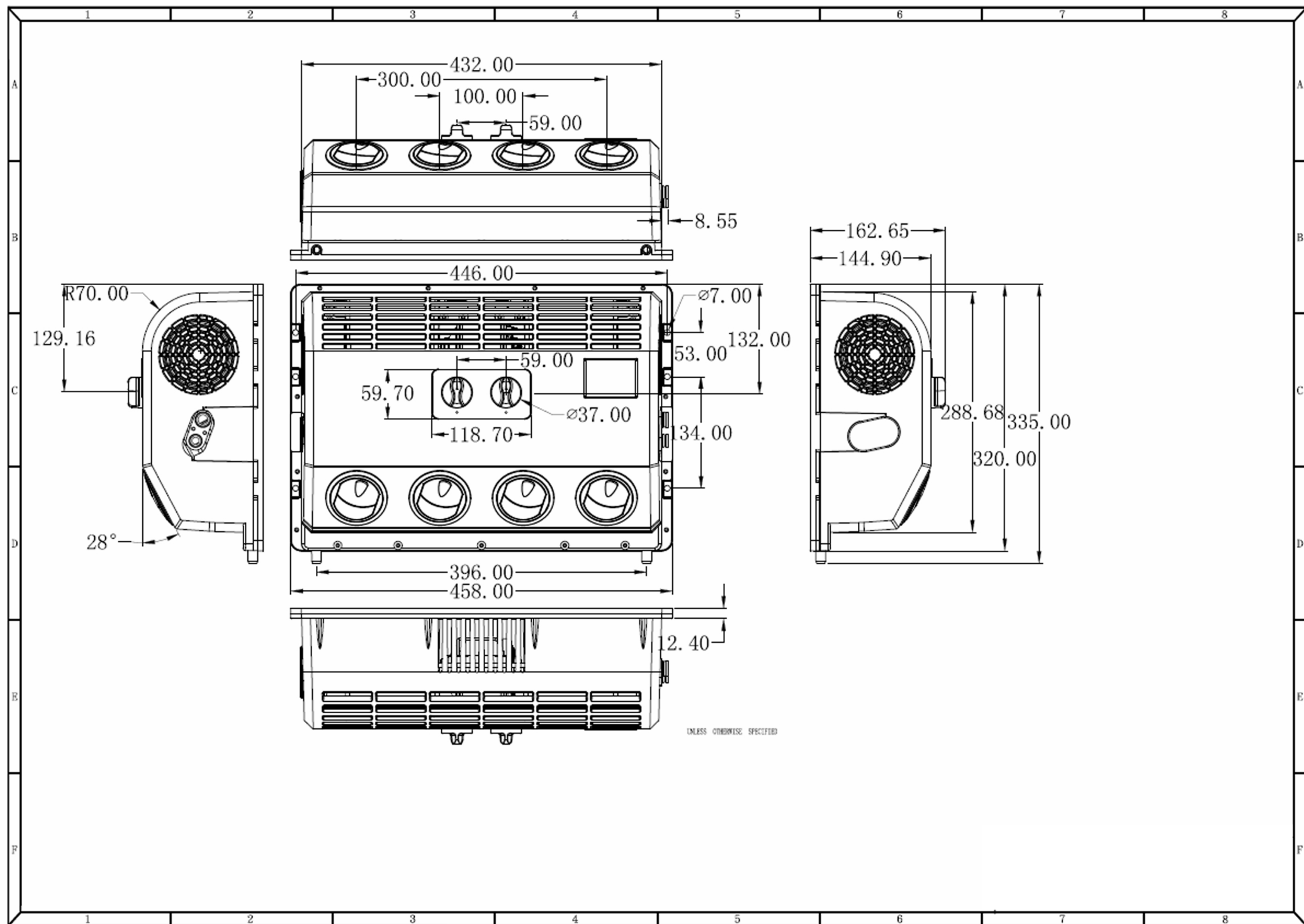
No.	Name	Quantity
1	Wall mount wooden plate	1
2	90cm drain water hose	1
3	Wall mounted package foam above	1
4	G400 package foam in left and right	2
5	G400 installation bracket	2
6	G400 instruction	1
7	No.7 battery	2
8	White Glue cloth	1
9	White Glue cloth remote control	1
10	Remote control part package	1

No	Name	Quantity
10.1	Compact bag(part bag 170*235)	1
10.2	Hexagon socket head screw 6*25	1
10.3	Dia 6 spring pad	1
10.4	Hexagon Screw M6*50	4
10.5	Dia 18 flat pad	8
10.6	Nut M6	7
10.7	Trigeminal tube	1
10.8	03 sealing ring(Outer diameter Dia 101 *wiring diameter Dia 2y)	1
10.9	sealing ring Dia 10.6* Dia 2.65	1
10.10	Internal suction 616H valve U type Press plate	1
10.11	3' Environmentally friendly intake L-bend joint	1
10.12	5' Environmentally friendly intake L-bend joint	1
10.13	535 connecting rubber tube Tablet	2
10.14	Hexagon Screw M6*25	3
10.15	Dia 25*6.5 flat pad	4
10.16	6 Big flat self attack 5*25 white zinc	2

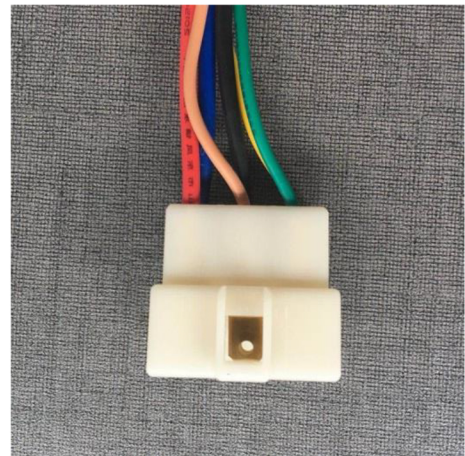
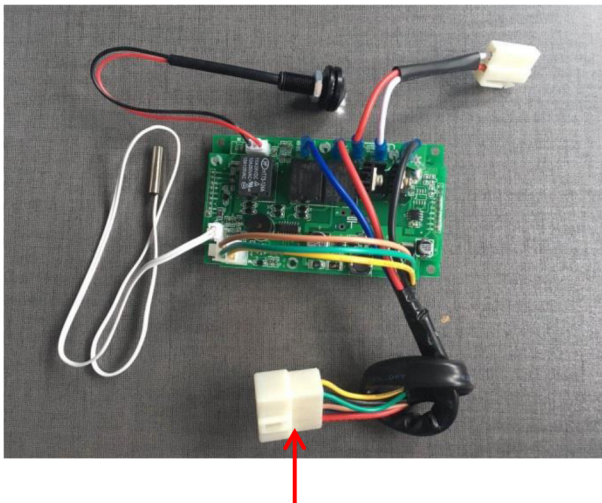
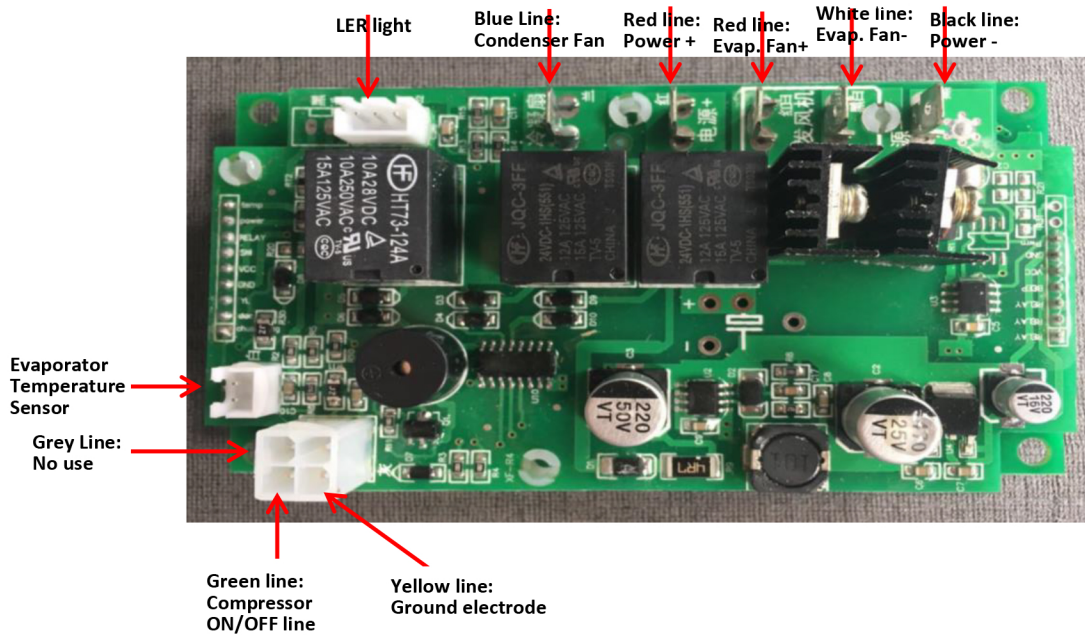


Back Wall





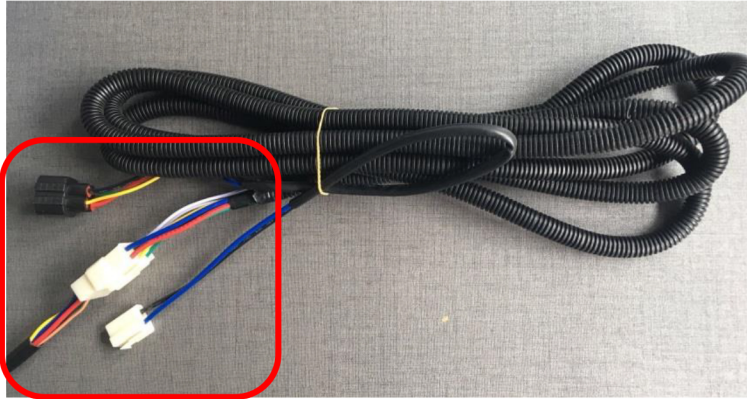
Circuit Board



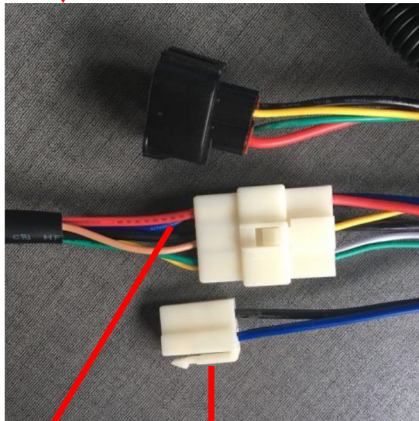
Remote controller connector instruction:

- 1、 Red line: Power +
- 2 Black line: Power -
- 3、 Blue line: Condenser fan
- 4、 Yellow line: connect to pressure switch of the drier, and then connected to the ground electrode to form a circuit (if no pressure switch, connecting to the ground electrode directly)
- 5、 Green line: connected to the compressor(for controlling of ON, OFF and revolving speed)
- 6、 Grey line: no use

Remote control version: Connected to the condenser



Condenser line 3.8m long: Combine the condenser and evaporator.



4 places connector to the condenser,
function of each color line:
Red line: Power +
Black line: Power -
Yellow line: Ground electrode
Green line: compressor

6 places connector to the evaporator,
function of each color line:
1. Red line: Power +
2. Black line: Power -
3. Blue line: Connected to the condenser fan
4. Yellow line: No use
5. Green line: Connected to the compressor
6. White line: Ground electrode

Evaporator
wiring

2 places connector,
to the condenser fan