

## Product Introduction

### Range of application

- This series of products can be widely used in enclosed area for climate control, such as wireless communication cabinet, battery cabinet, industry control cabinet etc;

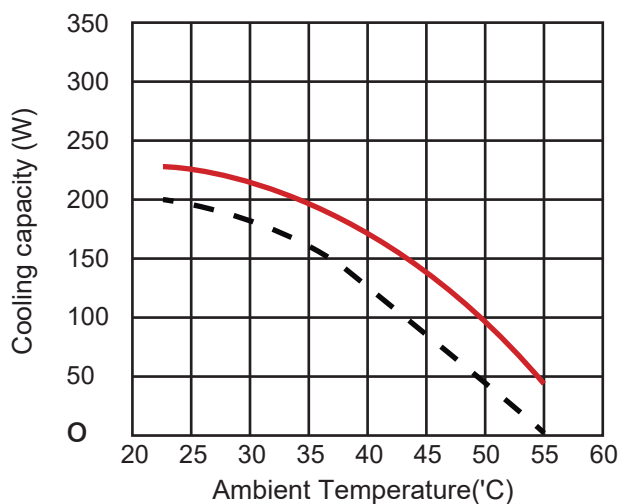
### Product Design Feature

- Refrigeration system is not used refrigerants, few movement part, small volume;
- Strict process control and international brand parts deployed to ensure high quality and reliable of this product;
- Multiple self protection design , RS485 communication through MODBUS protocol;
- Circulation fans stepless speed regulation function;
- The heating function optional;
- Eliminate hydrogen function optional;
- Dry contact alarm output, NO/NC optional;
- LED Display, all the settings can be changed at the field;

## Technical Data

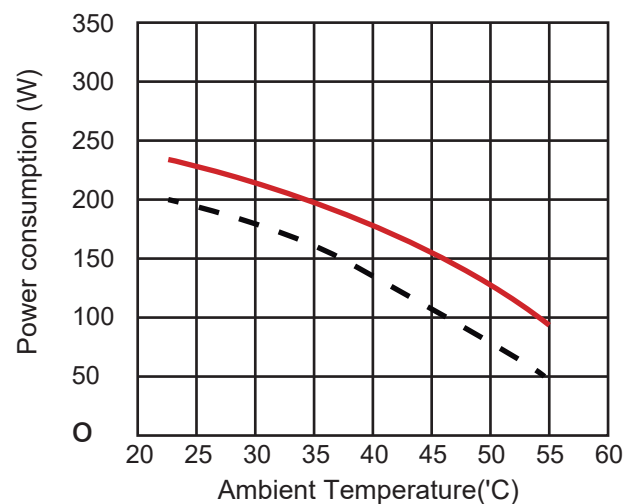
	Name	Thermoelectric (Pilter) air cooler
	P/N	21500
	Model	HRUC T-200-4
	Power Supply	-48VDC Nominal(- 44VDC ~ - 58VDC)
	Cooling Capacity	200W@L32/L32
	Consumption	350W@L32/L32
	Heating Capacity(Optional)	300W@L5/L5
	Internal Airflow	240m <sup>3</sup> /h
	Working Temperature Range	-10°C~+55°C
	Noise Level	50 db ~ 55db (A)
	IP Grade	IP55
	Net Weight	7.0kg
	Mounting Method	Semi-embedded Mounting
	Dimensions	400x180x178(mm,HxWxD)
	CE&RoHS Compliant	YES

### Cooling Capacity Chart



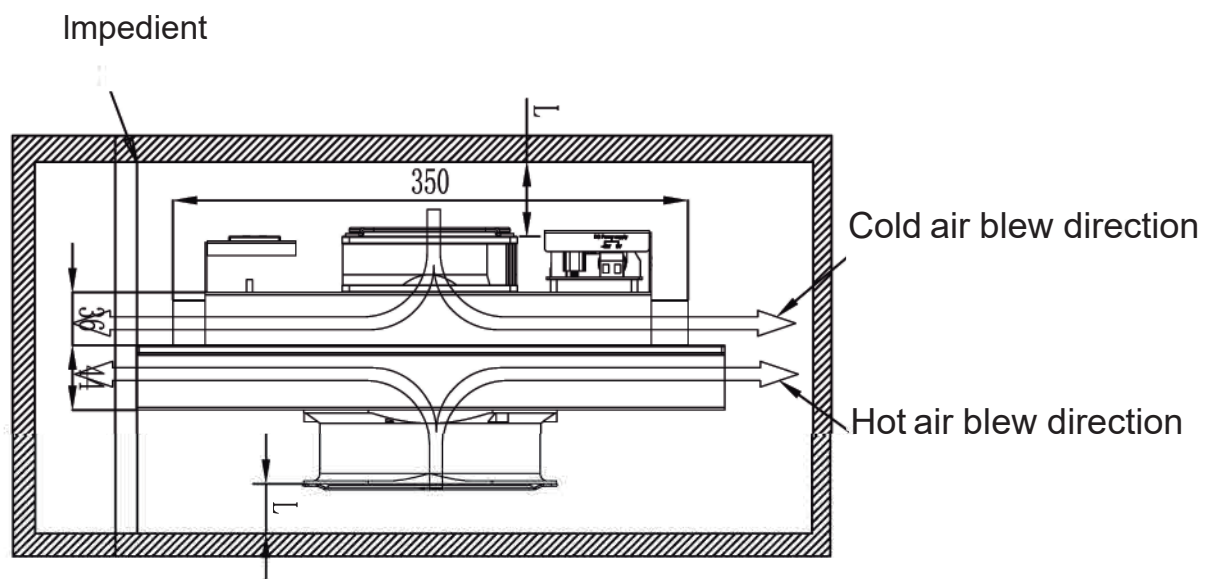
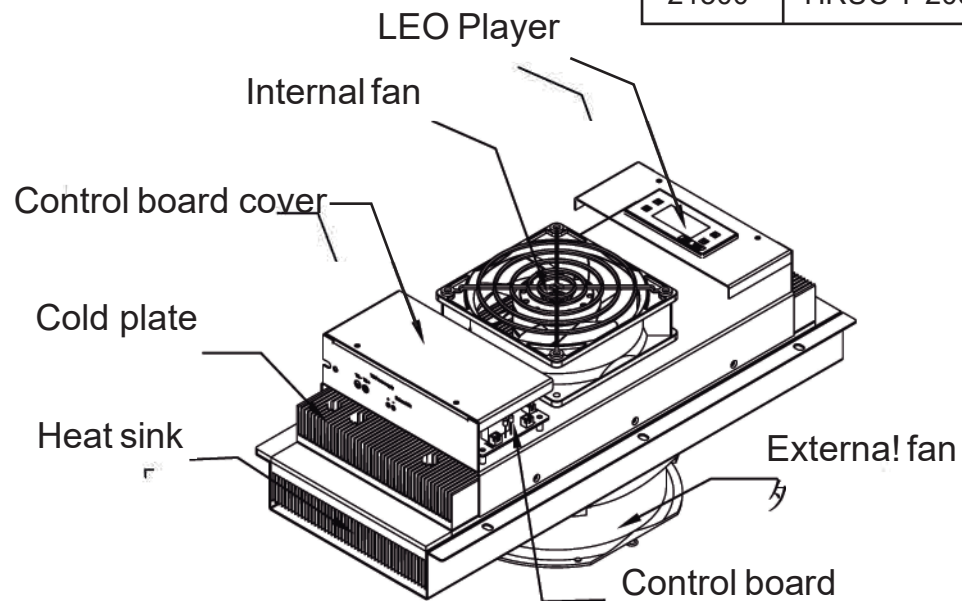
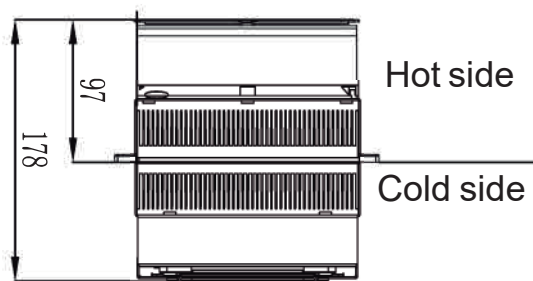
Cabinet Inside Temperature    - - - 25°C  
    - - - 32°C

### Power Consumption Chart



Cabinet Inside Temperature    - - - 25°C  
    - - - 32°C

P/N	Model	Installation
21500	HRUC T-200-4	Semi-embedded Mounting



Note: L more than 50mm is better

## Installation instructions

P/N	Model	Installation
21500	HRUC T-200-4	Semi-embedded Mounting

Figure 1-CabinetDoor Cutting Dimension

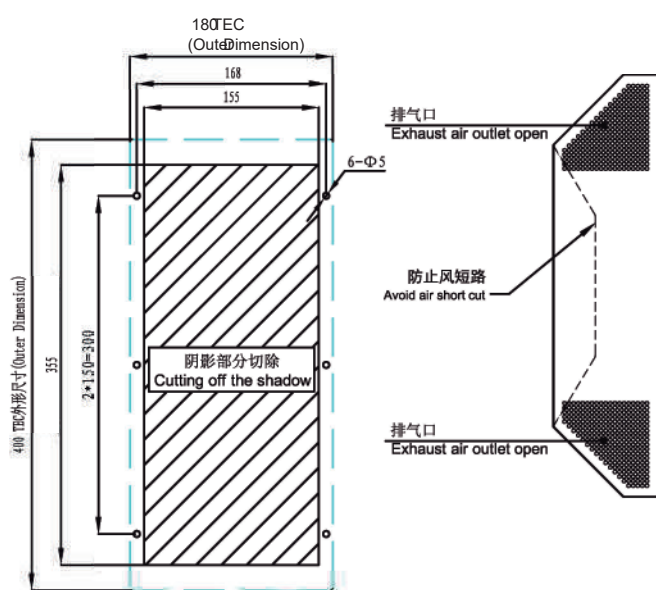


Figure 2-Air open design of cowling

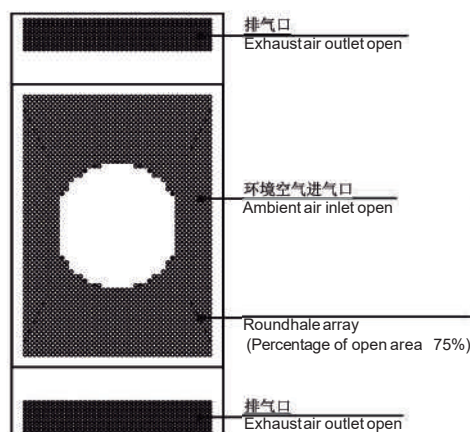


Figure 3-Schematic diagram of drainage

Water dip tray is recommended to mount under the TEC product to drain condensate water.

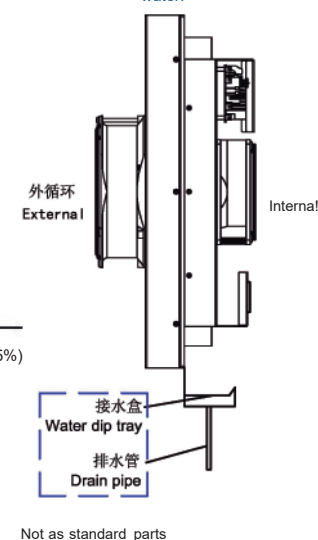
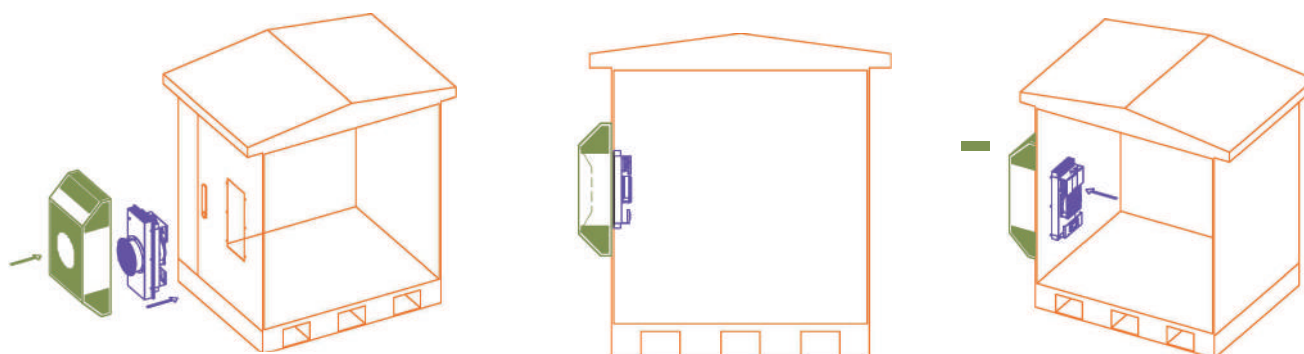


Figure 4-Installation Instruction

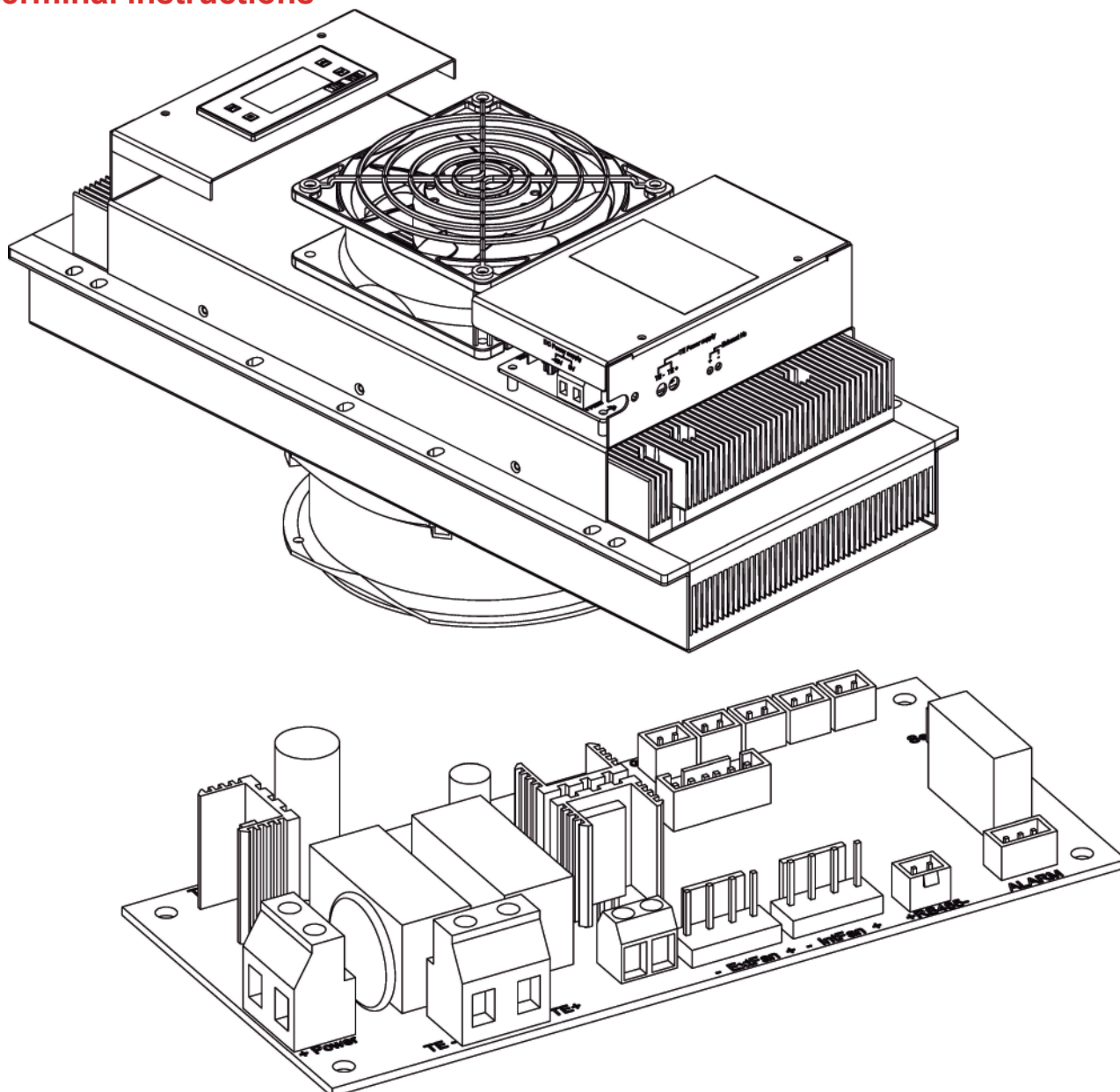


### Attention:

If customer wants to put a cowling outside unit, please follow below rules:

1. The cowling can be made by customer self, the design of cowling please refer to figure 2 ;
2. The inlet and outlet open for ambient air in and exhaust air out should be big enough to ensure enough air volume circulation.  
This is very important! to have the unit running with long lifetime and less service ;
3. When you make a cowling design/installation, make sure the inlet air and outlet air not been short cut, this is also critical! to keep unit have best cooling performance.

## Terminal instructions



Number	Symble	Definitien
1	OV	Pesitive pele for DC pewel
2	-48V	Negative pele for DC pewel
3	Exhaust H2+	Hydrogen discharge pert (+)
4	Exhaust H2-	Hydrogen discharge pert (-)
5	RS485	RS485 Cemmunication pert
6	ALARM	Dry centract alarm pert

