

# HHEX- Peltier T200

Thermoelectric (Peltier) Air Cooler - TEC

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# PRODUCT OVERVIEW

## Peltier T200

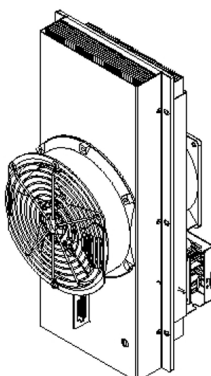
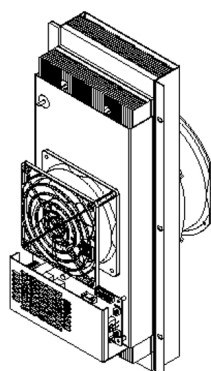
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This series of products can be widely used in enclosed area for climate control such as wireless communication cabinet, battery cabinet, industry control cabinet and many other various applications.

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### Feature & Design

- Refrigeration system is not used refrigerants, few movement part, small volume.
- Strict process control and international brand parts deployed to ensure high quality and reliability of this product.
- Multiple self protection design, RS485 communication through MODBUS protocol.
- Circulation fans stepless speed function.
- ❖ The heating function optional
- ❖ Dry contact alarm output, NO/NC optional



### Contact Details

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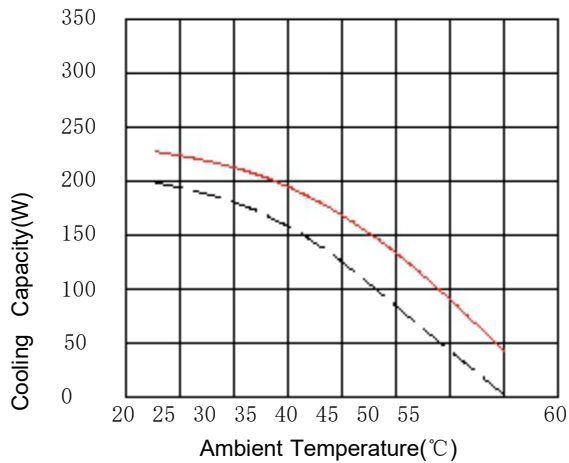
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**Technical Data**

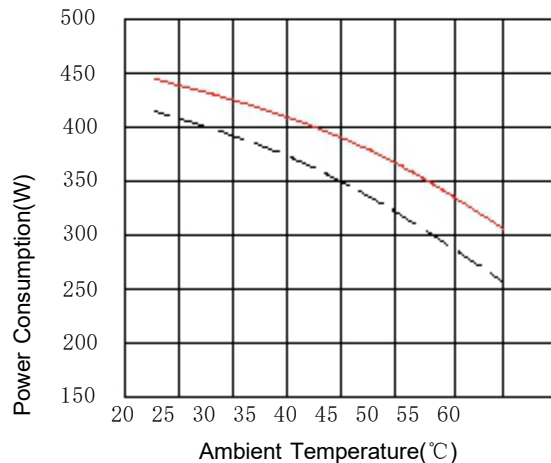
Name	Thermoelectric (Pilter) air cooler
P/N	711088
Model	T-200
Power Supply	-48VDC Nominal (-44VDC ~ -58VDC)
Cooling Capacity	200W@L32/L32
Consumption	430W@L32/L32
Heating Capacity (Optional)	300W@L5/L5
Internal Airflow	240m <sup>3</sup> /h
Working Temperature Range	-10°C~+55°C
Noise Level	67dB(A)
IP 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**

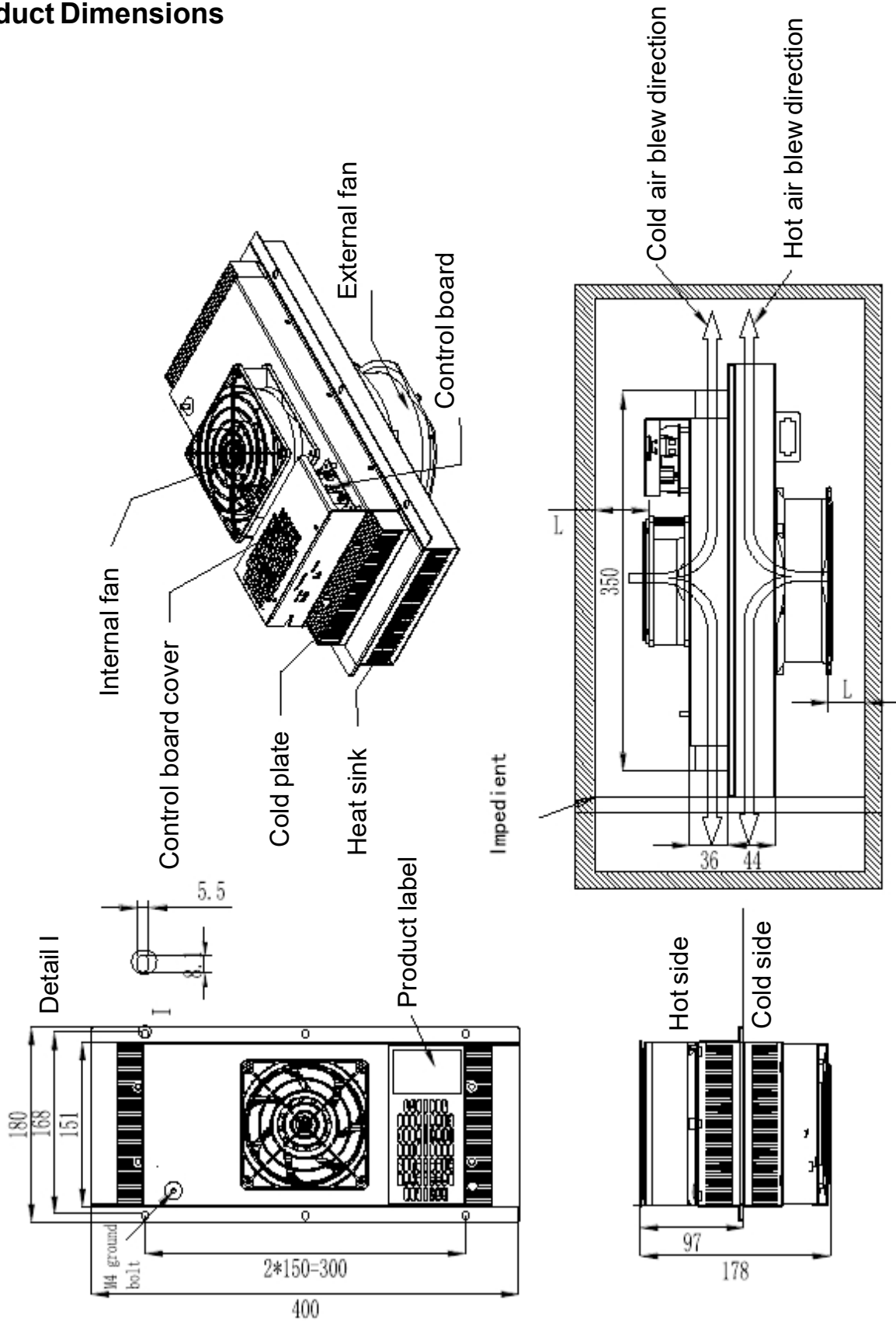


Cabinet Inside Temperature    --- 25°C  
--- 32°C

Product Dimensions

P/N	Model	Installation
711088	T-200	Semi-embedded Mounting

Product Dimensions



Note: L more than 50mm is better

## Installation Instructions

P/N	Model	Installation
711088	T-200	Semi-embedded Mounting

Figure 1-Cabinet Door Cutting Dimension

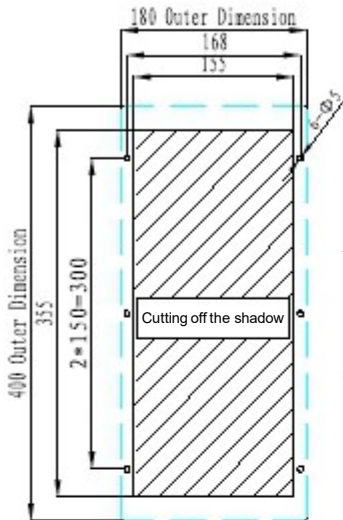


Figure 2-Air open design of cowling

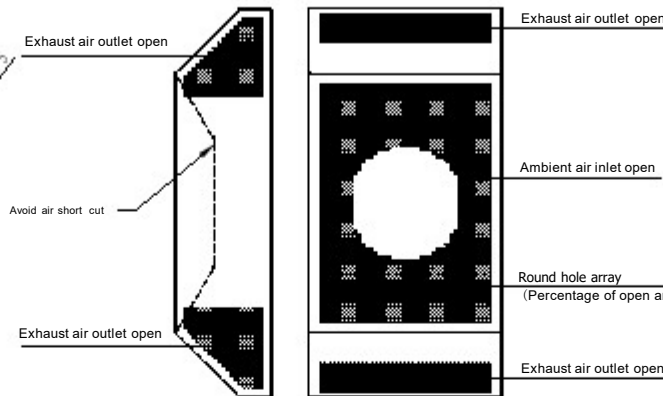


Figure 3-Schematic diagram of drainage

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

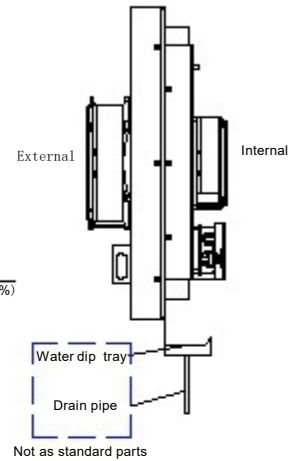
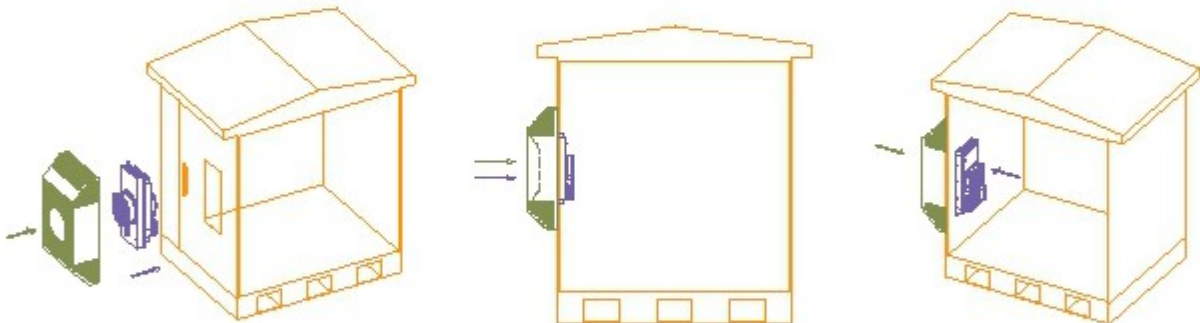


Figure 4-Installation Instruction

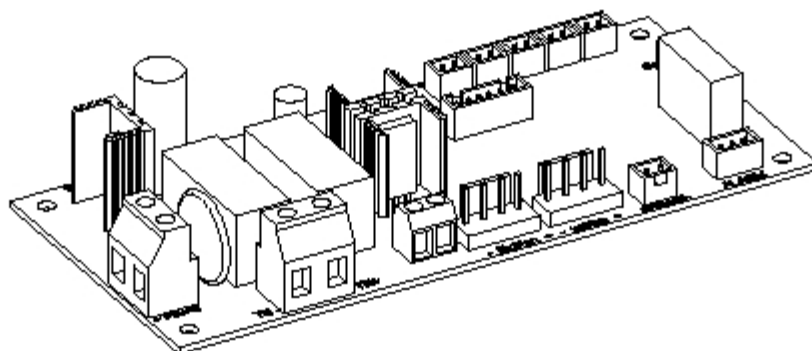
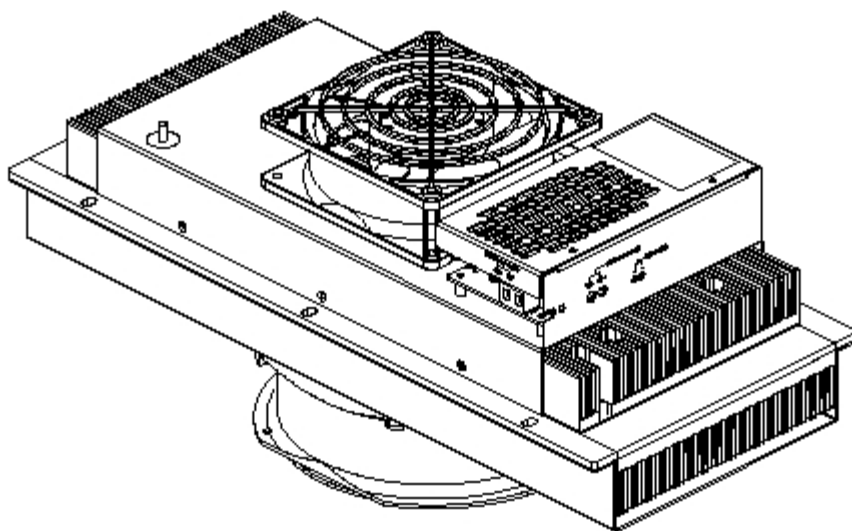


### Attention:

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



No.	Symbols	Definition
1	0V	Positive pole for DC power
2	-48V	Negative pole for DC power
3	Exhaust H2 +	Hydrogen discharge port(+)
4	Exhaust H2 -	Hydrogen discharge port(-)
5	RS485	RS485 Communication port
6	ALARM	Dry contact alarm port