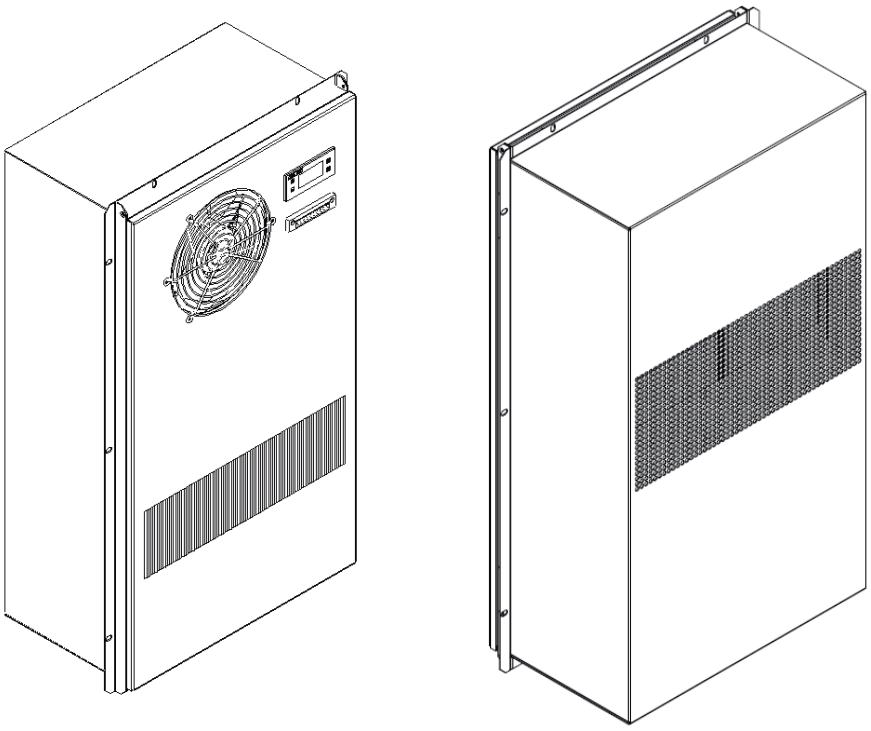
DC Cabinet Heat-Exchanger E 040



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;

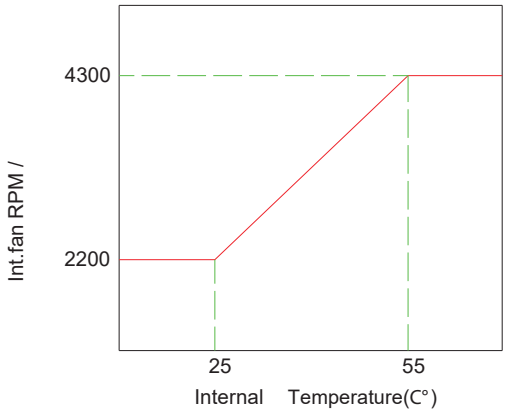
Product Design Feature

- Remote measure, remote communication, remote control, which can realize multiple automatic protection and comprehensive self-testing function;
- Strict process control and international brand parts deployed to ensure high quality and reliable of this product;
- Multiple self protection design & Interchangeable monitoring software interface, RS485 communication(MODBUS protocol);
- Circulation fans step less speed regulation function;
- Dry contact alarm output, NO/NC optional;

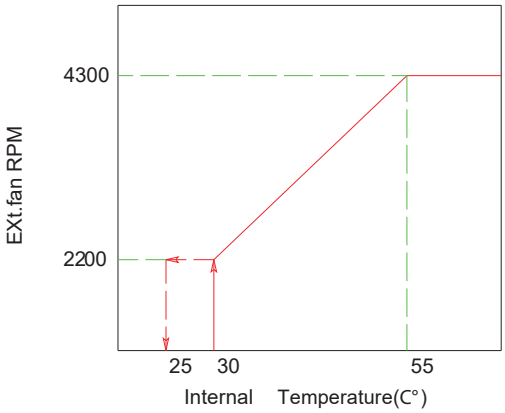
Technical Parameters

Name	DC Cabinet Heat-Exchanger
P/N	12320
Model	HRUC E 040 /N /E/D
Mounting Method	Door Mounting
Power Supply DC	-48VDC +/-20%
Rated current DC	1.67A
Start–up current DC	2.4 A
Cooling Capacity	40 W/K
Fan	MGT1748YB
Fan consumption	80W
Internal Airflow	350 m^3 /h
Rated voltage AC	220V
Frequency AC	50Hz
Rated current AC	2.27A
Heater Power	500W
Working Temperature Range	-10°C~+65°C
Noise Level	55dB ～ 60dB (A)
IP Grade	IP55
Net Weight	20Kg
Dimensions	622x344x200(mm, HxWxD)
CE& RoHS Compliant	Yes
Surface Treatment	Outer door type powder coating Standard color:RAL7035

Int.Fan Speed vs. Cabinet inside temperature Curve

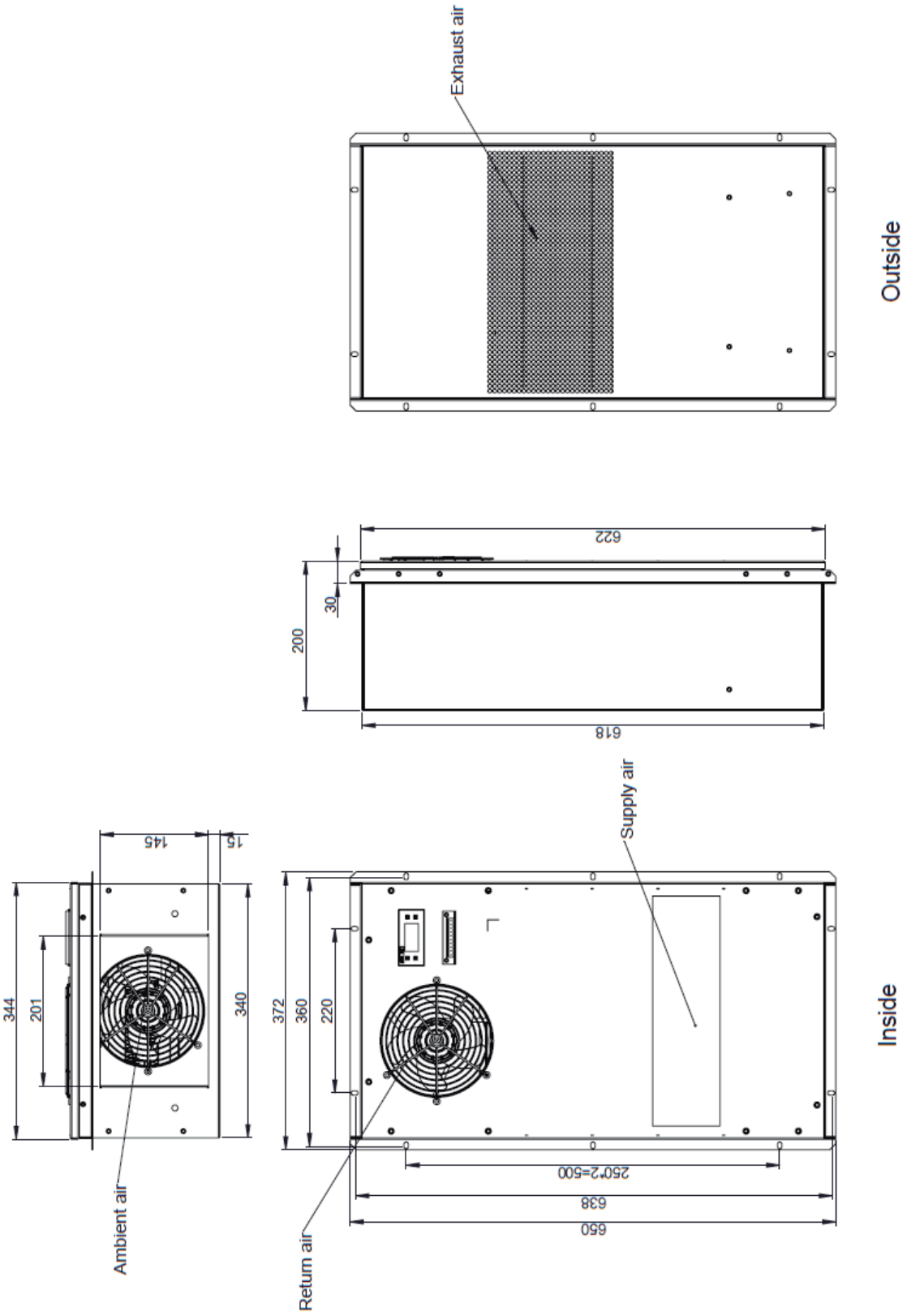


Ext.Fan Speed vs. Cabinet inside temperature Curve



Product Dimensions

P/N	Model	
12320	HRUC E 040 /N /E/D	Semi-embedded Mounting



Installation Dimensions

P/N	Model	
12320.	HRUC E 040 /N /E/D	Semi-embedded Mounting

Figure 1-Cabinet Door Cutting Dimension

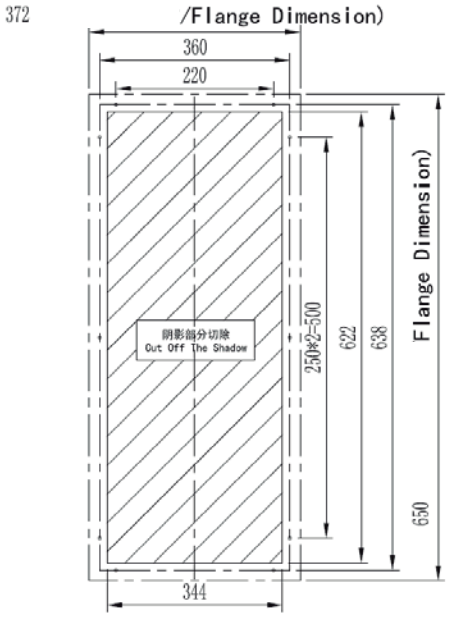
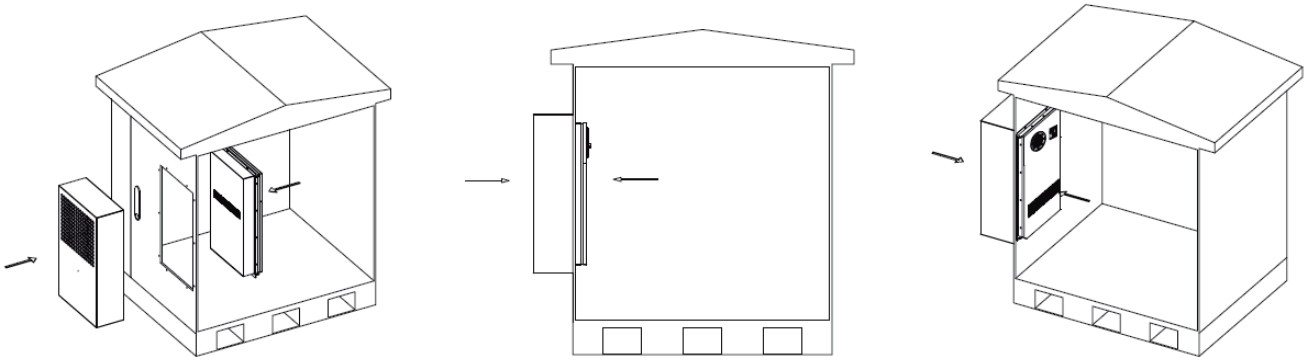


Figure 3-Installation Instruction



Attention:

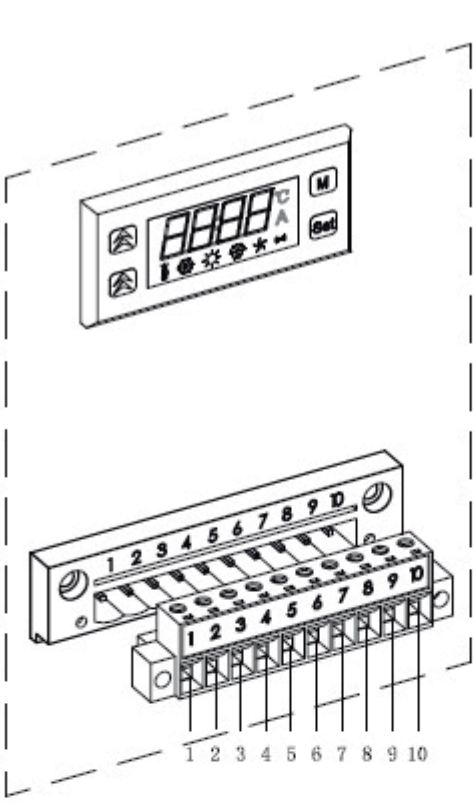
This series Heat exchanger does not need a cowling, if customer does want to put a cowling outside unit, please follow below rules:

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 the Heat exchanger capacity 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



Instructions of display panel:

The display panel shows cabinet temperature under normal circumstance.

and shows alarm code when there is a malfunction.

In the bottom is the status bar, different lamp represents different status.

: Lamp on when setting mode; Flashing when self diagonse .

: Lamp on when heating exchanger.

: Lamp on when heating;Flashing when heater alarm.

: Lamp on when external fan is running;Flashing when ext. fan.

: Flashing when alarm.

序号 / No.	符号 / Symble	定义 / Definition	描述 / Description
1	0V	直流电源正极 Positive electrode of DC power	/
2	−48V	直流电源负极 Negative electrode of DC power	/
3	PE	电源地线 Ground wire of power	/
4	N	交流电源零线 Neutral line of AC power	带加热器时使用/ Use with heater
5	L	交流电源火线 Live line of AC power	带加热器时使用/ Use with heater
6	NO	干接点告警输出-常开端 Dry contact alarm output-NO	/
7	COM	干接点告警输出-公共端 Dry contact alarm output-COM	/
8	NC	干接点告警输出-常闭端 Dry contact alarm output-NC	/
9	RS485 +	通讯接口 Communication Interface	/
10	RS485 −	通讯接口 Communication Interface	