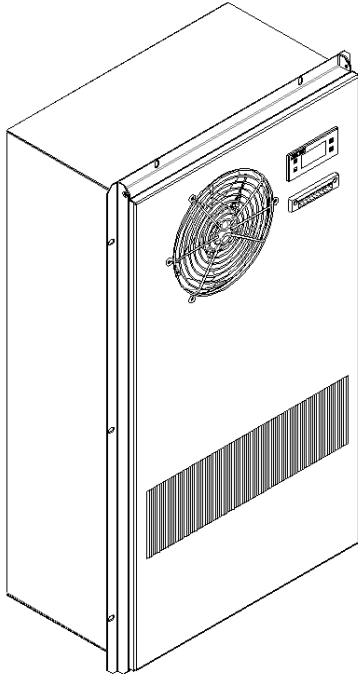


DC Cabinet Heat-Exchanger

SDHE-050ED



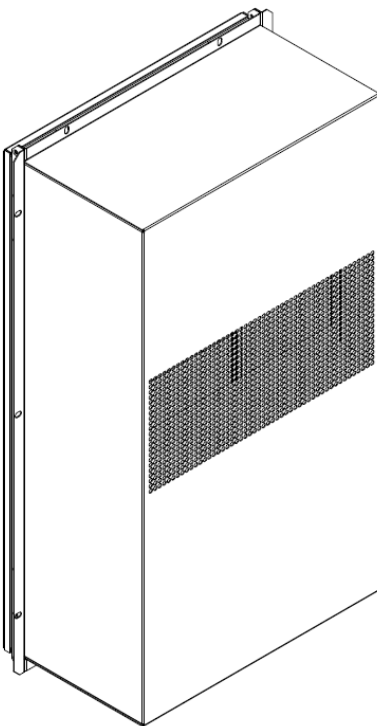
Product Introduction

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

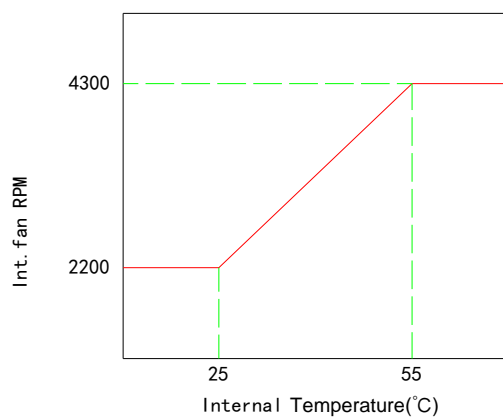
- Remote measure, remote communication, remote control, which can realize multiple automatic protection and comprehensive self-testing function;
- Strict process control and international brand parts deployed to ensure high quality and reliable of this product;
- Multiple self protection design & Interchangeable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



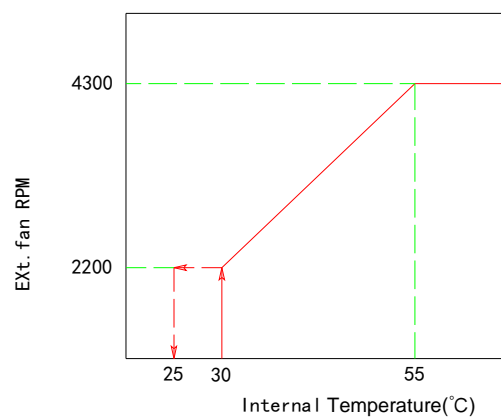
Technical Parameters

Name	DC Cabinet Heat-Exchanger
Model	SDHE-050ED
Mounting Method	Door Mounting
Power Supply DC	-48VDC +/-20%
Rated current DC	1.67A
Start-up current DC	2.4 A
Cooling Capacity	50 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	64dB(A)
IP Grade	IP55
Net Weight	20Kg
Dimensions	622x344x200(mm, HxWxD)
Surface Treatment	Outer door type powder coating Standard color:RAL7035

Int.Fan Speed vs. Cabinet inside temperature Curve

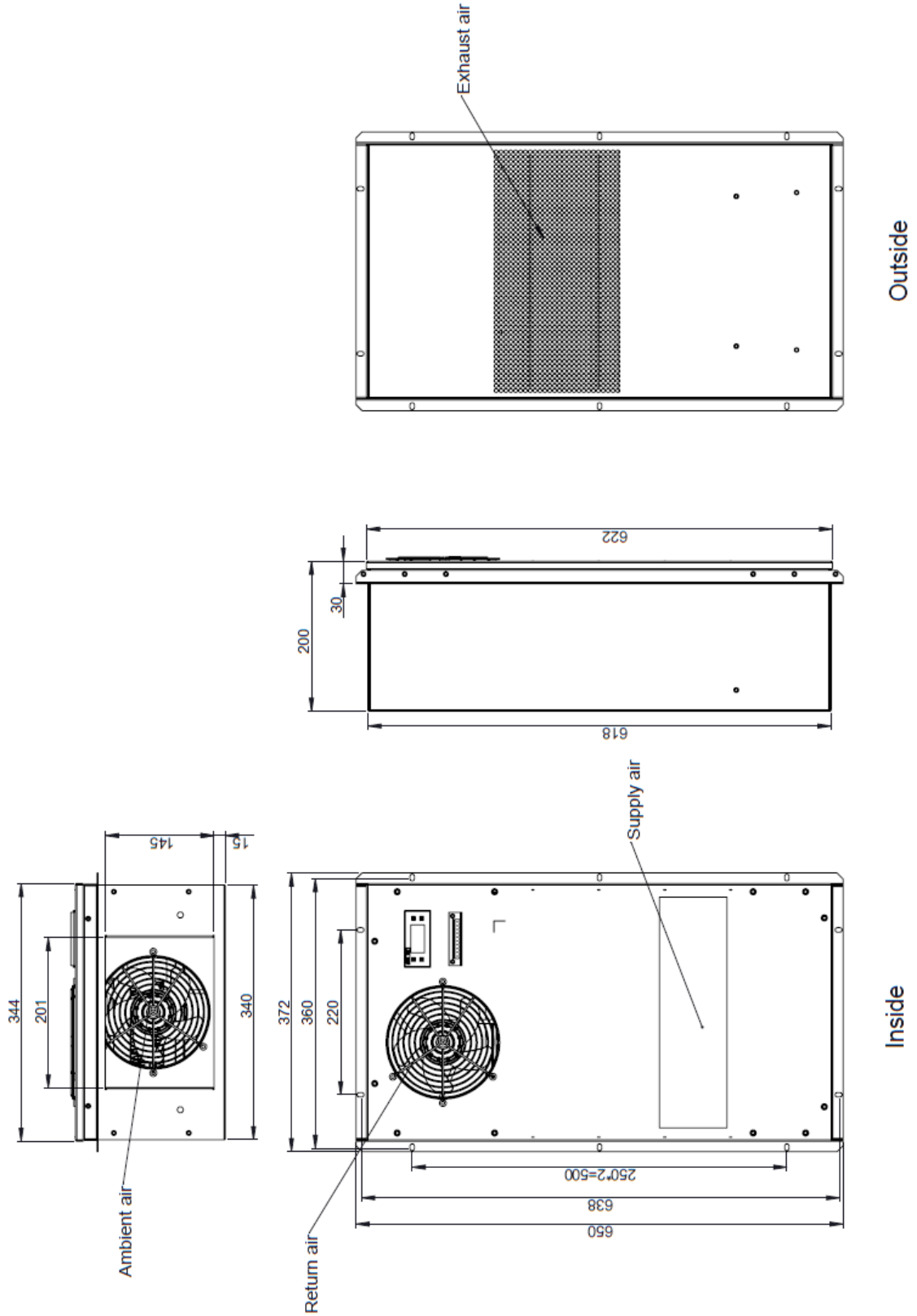


Ext.Fan Speed vs. Cabinet inside temperature Curve



Product Dimensions

Model	Installation	
SDHE-050ED	Semi-embedded Mounting	



Installation Dimensions

Model	Installation	
SDHE-050ED	Semi-embedded Mounting	

Figure 1-Cabinet Door Cutting Dimension

372 (法兰外型尺寸/Flange Dimension)

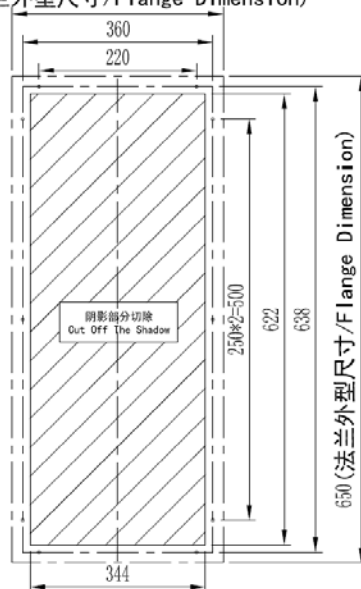
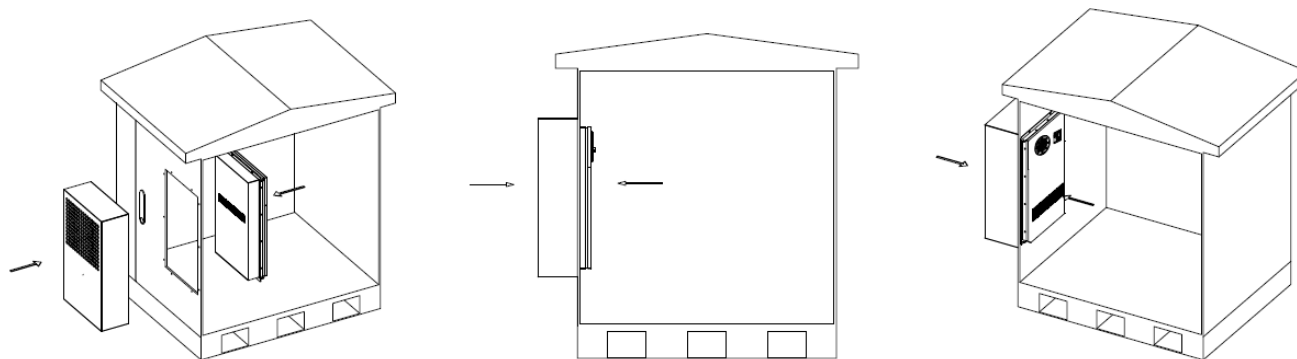


Figure 3-Installation Instruction

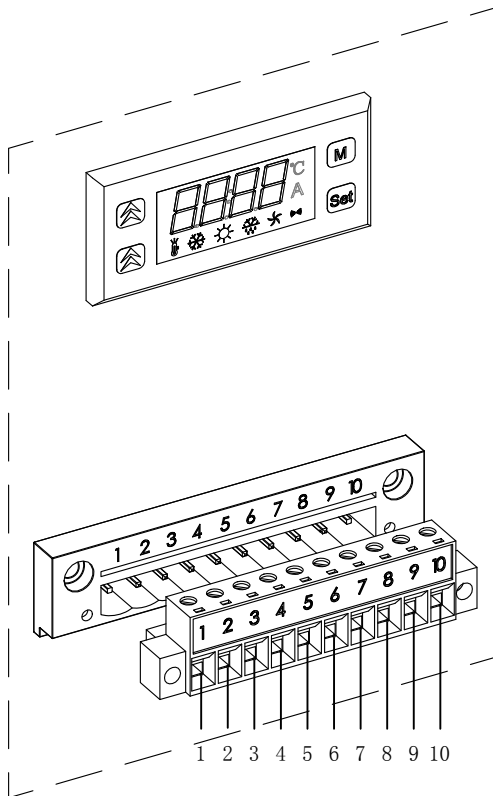


Attention:

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 diagnose .
-  : 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.

No.	Symb l e	Definition	Description
1	0V	Positive electrode of DC power	/
2	-48V	Negative electrode of DC power	/
3	PE	Ground wire of power	/
4	N	Neutral line of AC power	Use with heater
5	L	Live line of AC power	Use with heater
6	NO	Dry contact alarm output-NO	/
7	COM	Dry contact alarm output-COM	/
8	NC	Dry contact alarm output-NC	//
9	RS485 +	Communication interface	/
10	RS485 -	Communication interface	