

直流机柜热交换器

DC Cabinet Heat-Exchanger

产品简介

应用范围

- 本产品广泛应用于户外通讯机柜、电池柜、电器柜、工业控制柜等需要散热的场合;

设计专长

- 实现遥测、遥信、遥调, 可实现多重自动保护和全面的故障自诊断功能;
- 精湛工艺及高质量国际名牌配件确保产品更加稳定可靠;
- 多重保护功能、可视化人机界面、RS485接口 (MODBUS 协议);
- 循环风机无级调速功能;
- LED数码管显示, 现场参数可设置;
- 加热功能可选;
- 干接点告警输出, 常开/常闭可选;

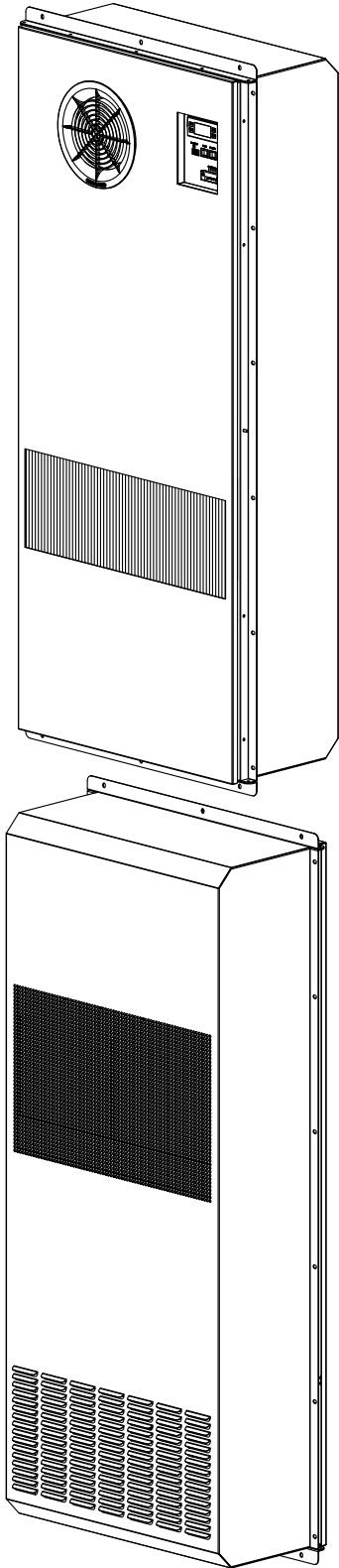
Product Introduction

Product Design Feature

- 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;

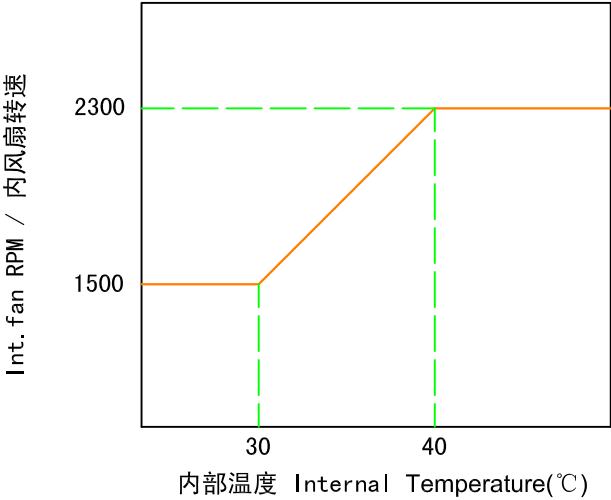
Product Design Feature

- 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 stepless speed regulation function;
- LED Display, all the settings can changed at the field;
- The heating function is optional
- Dry contact alarm output, NO/NC optional;

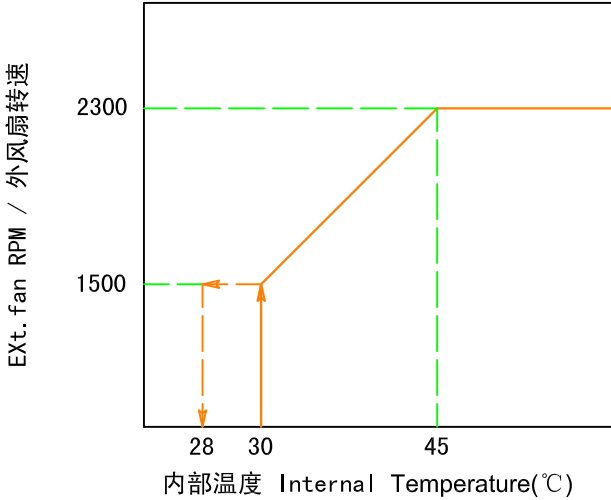


产品名称	Name	直流机柜热交换器/DC Cabinet Heat-Exchanger	
产品代码	Code	12200	
型号	Model	JGLC E 150/N/E/D	JGLC E 150/N/E/D/H100
固定方式	Mounting Method	半嵌入安装 Semi-embedded Mounting	
直流电源	Power Supply DC	-48V±20%	
直流额定电流	Rated current DC	4.4A	
直流启动电流	Start-up current DC	5.3A	
换热性能	Cooling Capacity	150W/K	
风扇功耗	Fans Power Consumption	190W	
风扇	Fans	2*R1G225	
内循环风量	Internal Airflow	860m³/h	
交流额定电压	Rated voltage AC	NA	220VAC±20%
交流频率	Frequency AC	NA	50~60±3Hz
交流额定电流	Rated current AC	NA	4.5A
加热器功率	Heater Power	NA	1000W
工作温度范围	Working Temperature Range	-40℃~+65℃	
最大噪音	Max Noise Level	65dB (A)	
IP等级	IP Grade	IP55	
净重	Net Weight	50kg	
外形尺寸	Dimensions	1250x522x260(mm,HxWxD)	
CE和环保	CE&RoHS Compliant	符合/YES	
表面处理	Surface Treatment	户外型喷粉/Outdoor type powder coating standard color: RAL7035	

Int.Fan Speed vs. Cabinet inside temperature Curve
内风扇转速Vs.机柜内部温度曲线



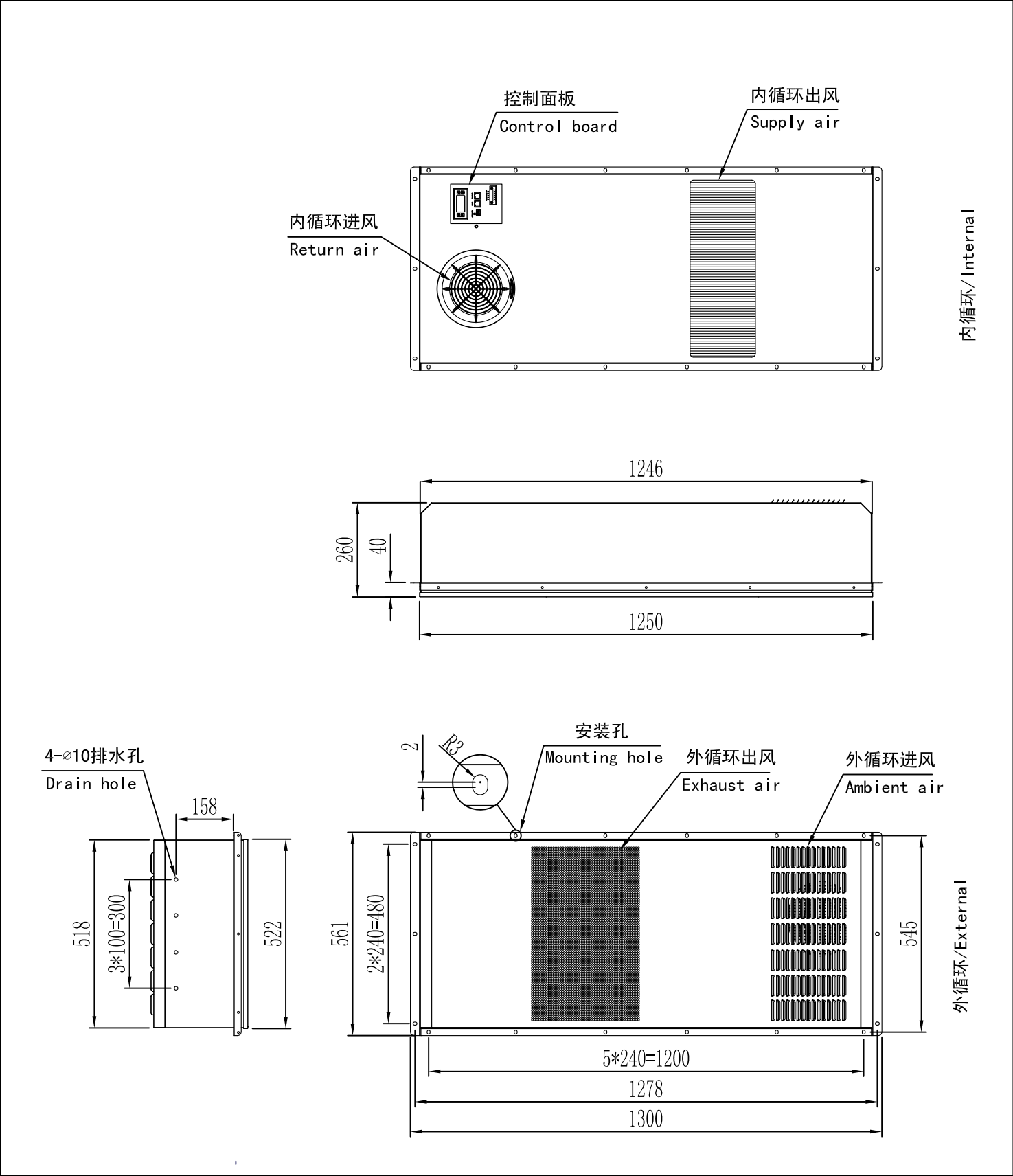
Ext.Fan Speed vs. Cabinet inside temperature Curve
外风扇转速Vs.机柜内部温度曲线



外形尺寸 / Product Dimensions

产品代码/Code	产品型号/Model	安装方式/Installation	
12200	JGLC E 150/N/E/D	半嵌入/Semi-embedded Mounting	
	JGLC E 150/N/E/D/H100		

产品外形尺寸/Product Dimensions



安装尺寸 / Installation Dimensions

产品代码/Code	产品型号/Model	安装方式/Installation	
12200	JGLC E 150/N/E/D	半嵌入/Semi-embedded Mounting	
	JGLC E 150/N/E/D/H080		

柜门开孔尺寸/Cabinet's Door Cutting Dimensions

图1-柜门开孔尺寸
Figure 1-Cabinet Door Cutting Dimension

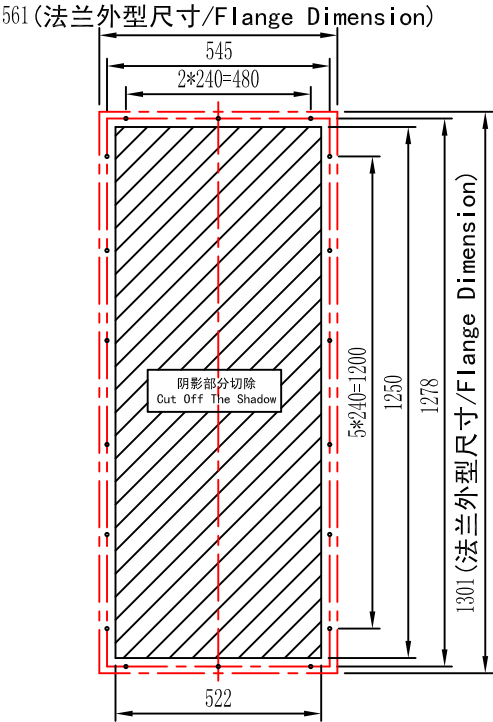


图2-防护罩建议结构
Figure 2-Air open design of cowling

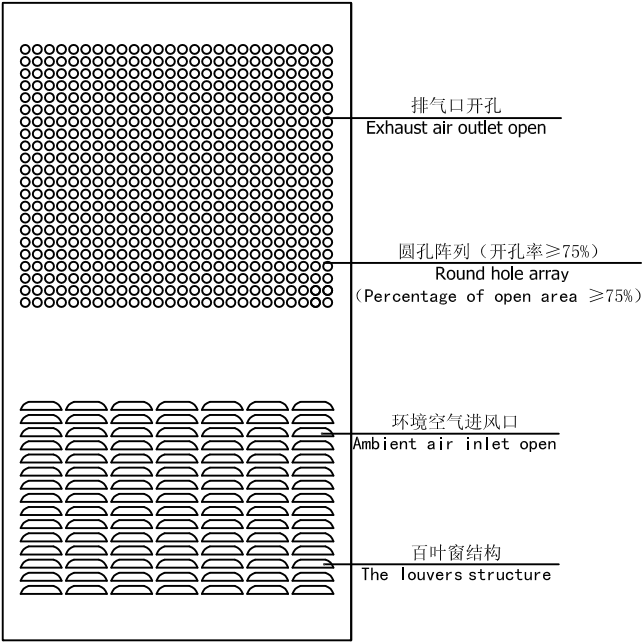
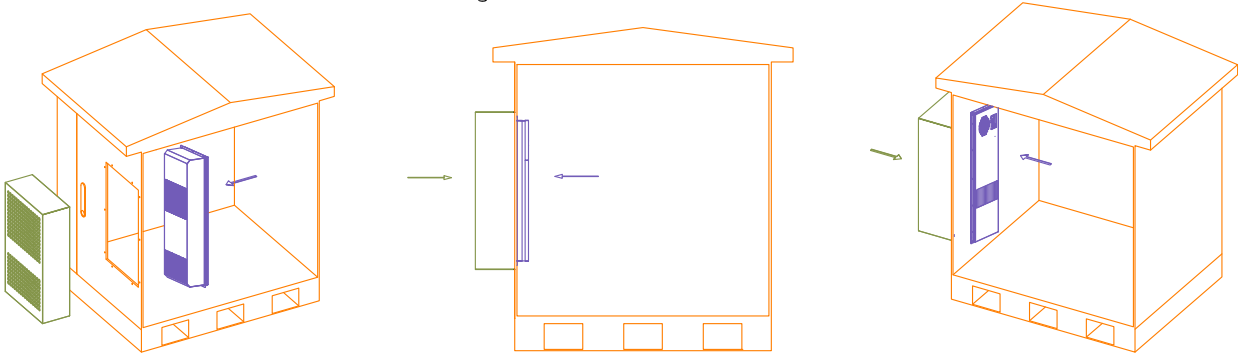
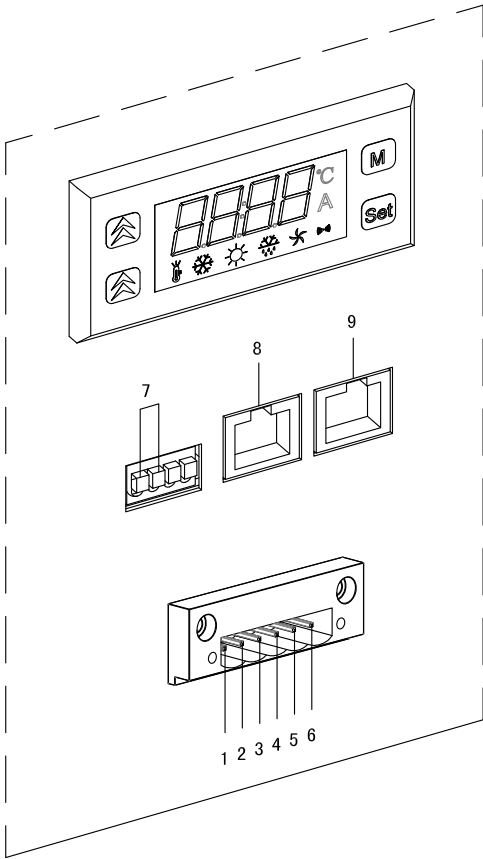


图3-安装示意图
Figure 3-Installation Instruction



- 注意:
- 本系列热交换器不需要安装防护罩,如果客户想安装防护罩,请遵循以下规则:
- 1.防护罩由客户自备,防护罩的设计请参考图2;
 - 2.防护罩进风口和出风口开孔面积应足够大,以确保足够的循环风量,这对于热交换器的换热量和减少维护频率非常的重要;
 - 3.防护罩的进风口应该防止气流短路,以便热交换器可以获得最佳的冷却效果。
- 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.



- 手操器使用说明：
- 在正常情况下，手操器显示柜内温度。告警时显示告警代码；
- 手操器底部为状态栏，不同的指示灯代表不同状态：
- ：常亮表示热交换器处在参数设置状态；闪烁表示自检状态。
 - ：常亮表示热交换器正在进行换热。
 - ：常亮表示热交换器正在进行制热；闪烁表示加热器告警。
 - ：常亮表示外风机正在运行；闪烁表示外风扇告警。
 - ：闪烁表示有告警发生。

- 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.

序号 / No.	符号 / Symbol	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	/	/	/
5	L	交流电源火线 Live line of AC power	带加热器时使用/ Use with heater
6	N	交流电源零线 Neutral line of AC power	带加热器时使用/ Use with heater
7	ALARM OUT	干接点告警输出 Dry contact alarm output	/
8	RS485	通讯接口 Communication interface	/
9	RS485-INT	备用通讯接口 Standby communication interface	/