

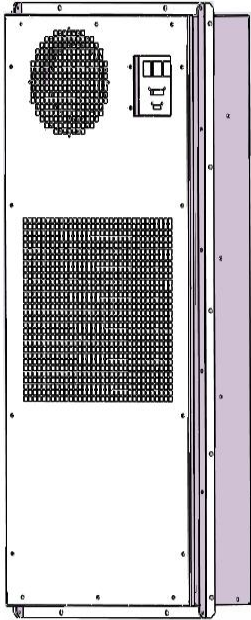
产品简介

应用范围

- 本产品广泛应用于户外通讯机柜、电池柜、电气柜、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；
- 适合 T3 高温工况、R134a 环保制冷剂；
- 多重保护功能、可视化人机界面、RS485 接口 (MODBUS-RTU)；
- LED 数码管显示，现场参数可设置；
- 加热功能、排氢功能可选；
- 干接点告警输出，常开/常闭可选；
- 安全防盗，无需增加防护罩。



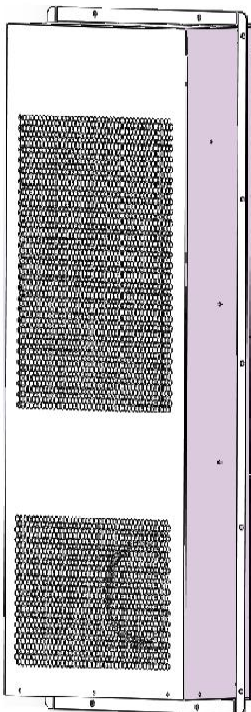
Product Introduction

Range of application

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

Product Design Feature

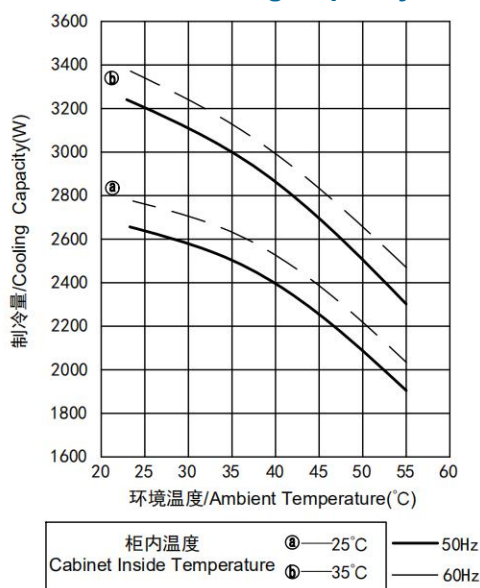
- Remote measuring, remote communication, remote control, which can realize multiple automatic protection and comprehensive self-testing function;
- Strict process control and famous brand components to ensure high quality and reliability of this product;
- Fit for harsh condition (T3), R134a refrigerant ;
- Multiple self-protection design & visible monitoring interface, RS485 communication port (MODBUS-RTU protocol);
- LED display, all the settings can be changed at the field;
- The heating function and the hydrogen function is optional;
- Dry contact alarm output, NO/NC optional; Anti-theft design, without the cowl.



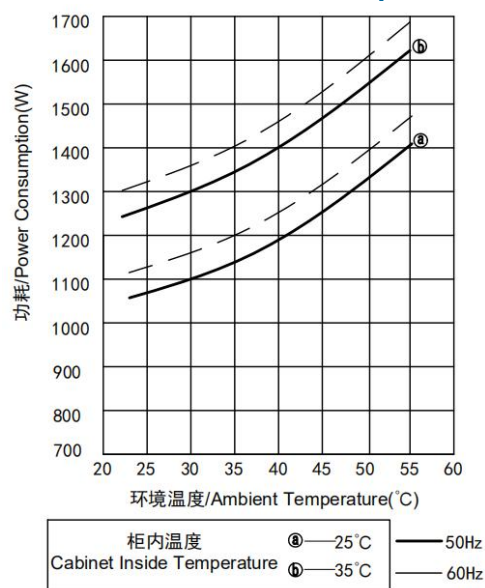
技术参数/Technical Parameters

产品名称	Name	户外机柜空调器/Outdoor Cabinet Air Conditioner
型号	Model	SDCA 030 /N/D/A
固定方式	Mounting Method	半嵌入/Semi-embedded Mounting
电源	Power Supply	230VAC±15% 50/60Hz
制冷量	Cooling Capacity	3000W@L35/L35
功耗	Power Consumption	1350W@L35/L35
制冷量	Cooling Capacity	2300W@L35/L55
功耗	Power Consumption	1720W@L35/L55
内循环风量	Internal Airflow	750 m³/h
工作温度范围	Working Temperature Range	-40℃~+55℃
最大噪音	Max Noise Level	65dB(A)
IP 等级	IP Grade	IP55
净重	Net Weight	53kg
制冷剂	Refrigerant	R134a
外形尺寸	Dimensions	1154x489x225(mm,HxWxD)
CE 和环保	CE&RoHS Compliant	符合/YES
表面处理	Surface Treatment	Outdoor type powder coating,standard color: RAL7035
加热器	Heater	可选择(1000W) / Optional(1000W)
排氢功能	Hydrogen Function	可选择/ Optional

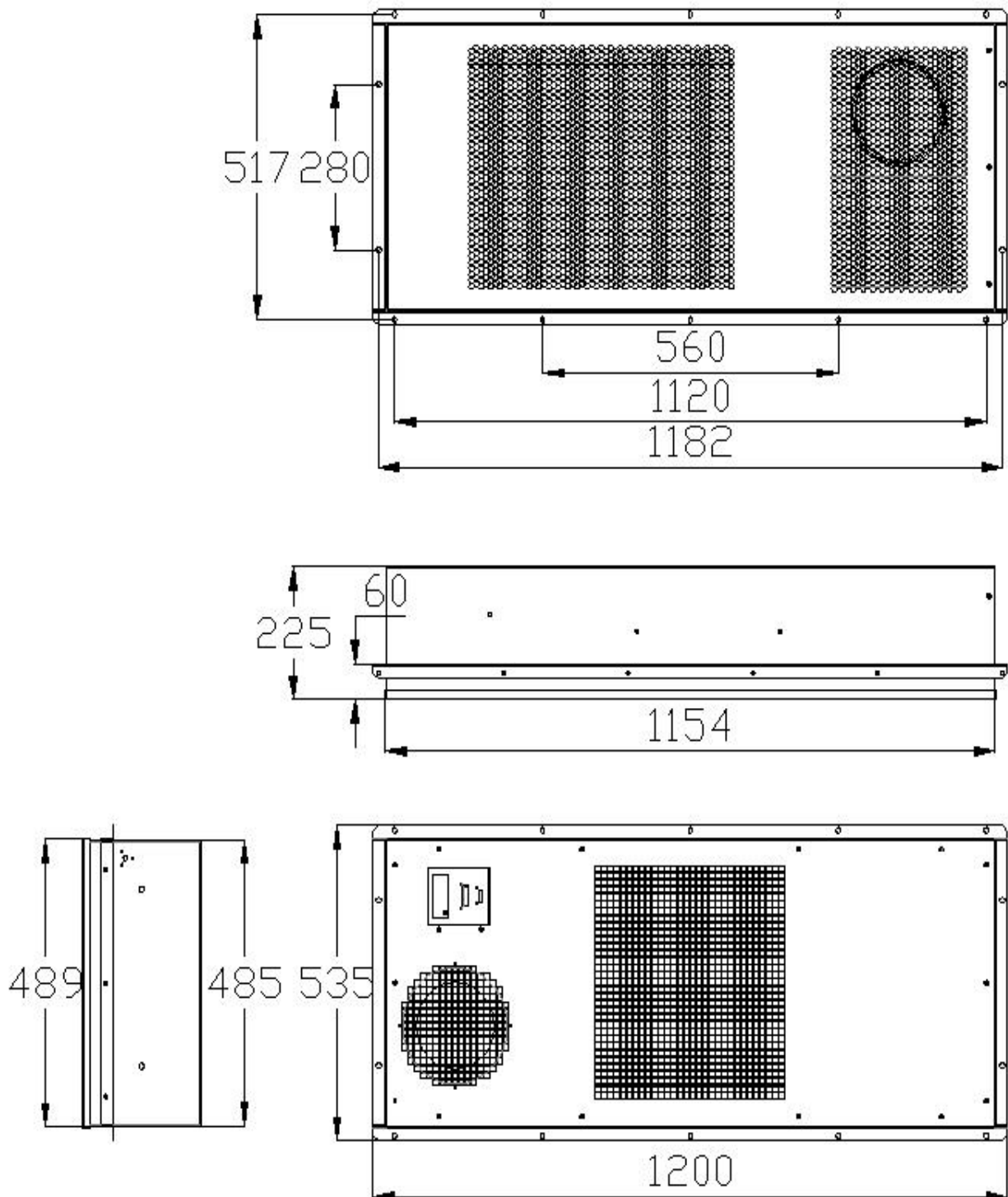
冷量曲线/Cooling Capacity Chart



功耗曲线/Power Consumption Chart



外形尺寸/Product Dimension



安装说明/ Installation instructions

图 1-柜门开孔尺寸

Figure 1-Cabinet Door Cutting Dimension

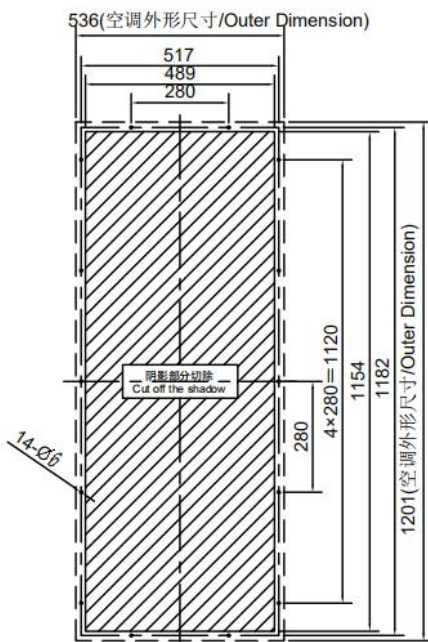


图 2-防护罩建议结构

Figure 2-Air open design of cowling

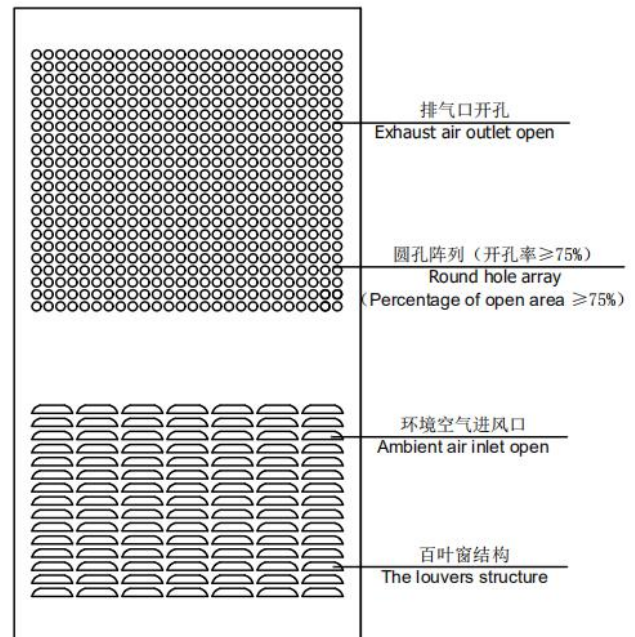
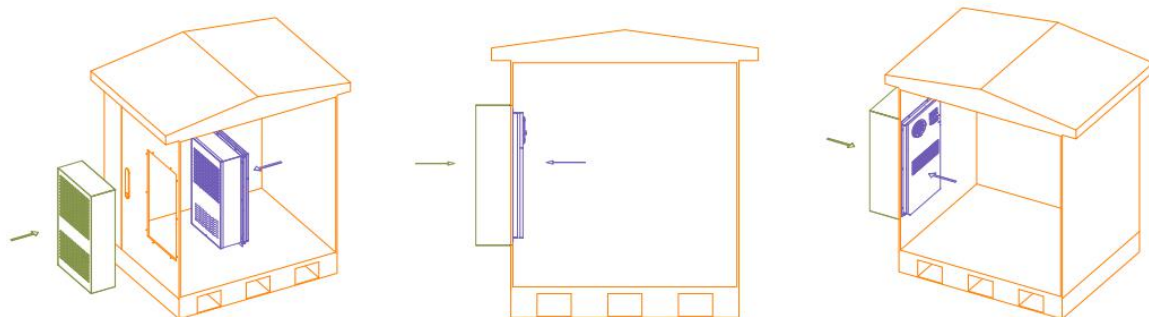


图 3-安装示意图

Figure3-Installation Instruction



- 注意： 1. 本系列空调不需要安装防护罩, 如果客户确实想安装防护罩, 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, 这对于延长空调的使用寿命和减少维护频率非常重要;
3. 防护罩的进出风口应该防止气流短路, 以便空调可以获得最佳的冷却效果。

Attention:

- 1.This series air conditioner 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 have the air conditioner 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.

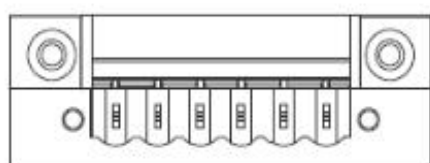
接线端子说明/Terminal instructions

手操器使用说明：

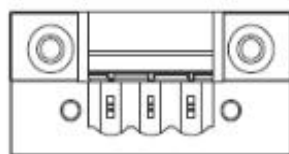
在正常情况下，手操器显示柜内温度，告警时显示告警代码；手操器底部为状态栏，不同的指示灯代表不同状态：



- 🔦：闪烁表示空调处于自检状态或温度设置状态；
- ❄️：闪烁表示空调即将进行制冷；常亮表示空调正在进行制冷；
- ☀️：常亮表示空调正在进行制热；
- ✳️：常亮表示外风机正在运行；
- 🔔：闪烁表示告警发生；



A+ B- NC COM I/O



L N PE

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.

- 🔦：Flashing when self diagnosis or temperature setting mode.
- ❄️：Lamp on when cooling;
- ☀️：Lamp on when heating;
- ✳️：Lamp on when external fan is running;
- 🔔：Flashing when alarm.

序号/ Number	符号/ Symble	定义/ Definition	描述/ Description
1	L	交流电源火线 Live line of AC power	/
2	N	交流电源零线 Neutral line of AC power	/
3	PE	交流电源地线 Ground wire of AC power	/
4	A+	RS485 通讯正极 Positive pole of 485 communication	/
5	B-	RS485 通讯负极 Negative pole of 485 communication	/
6	NC	干接点告警常闭端口 Normal closed port of dry contract alarm output	干接点告警： 6、7 端口：干接点告警常闭状态。 Dry contact alarm; Pin6&7:Normal closed
7	COM	干接点告警公共端口 Common port of dry contract alarm output	

8	I/O	排氢或外部控制输入端口 Hydrogen discharging port or external signal input port	排氢接口或外部控制输入, 两个功能只能选其一: 做为排氢接口: 接排氢风机 (交流或直流风机) 排氢风机的电流应小于 1A; 做为外部控制输入接口: 接 受外部控制信号来控制空 调。
9			Hydrogen discharging or external signal input port both can only choose one: As hydrogen port: Can connect external hydrogen exhaust fan (AC&DC). Current of hydrogen exhaust fan should be less than 1 A As external signal input port: Accept external control signal to control the air conditioner.