

Outdoor Cabinet Air Conditioner

AC1500



Overview

LongXing Air Conditioner Cooling Solution can be widely used in enclosed area for climate control, such as wireless communication cabinet, battery cabinet, industry control cabinet etc. LongXing air conditioners are designed to cool your electronic and electrical controls, instruments, computer terminals, printers, telecommunications equipment, surveillance devices, cameras, laser and optical equipment and many other electronics in variety of environments. Our electronic cabinet cooling systems are designed for use with a wide range of enclosures and transit cases. Models are available for both indoor and outdoor use in AC and DC power configurations. Coolers feature corrosion-resistant stainless steel construction.

Features

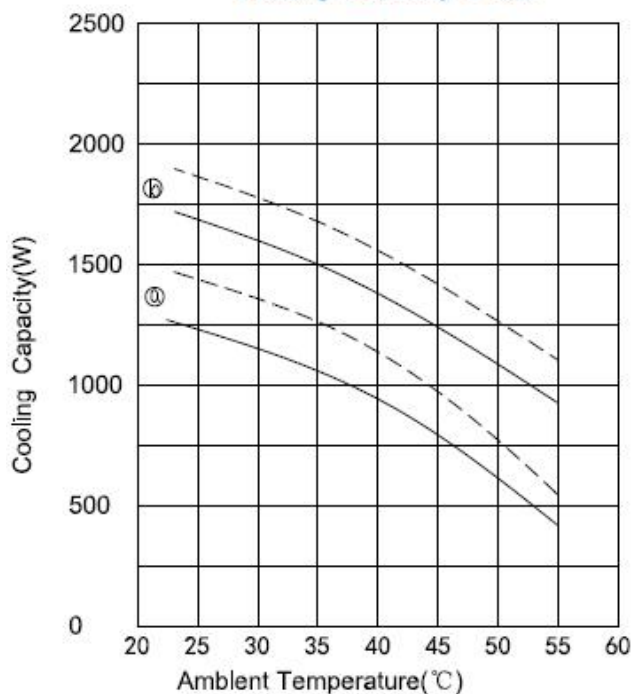
- Remote measuring, remote communication, remote control, which can realize multiple automatic protection and comprehensive self-testing function;
- Strict process control and famous brand components to ensure high quality and reliability of this product;
- Fit for harsh condition (T3), R134a refrigerant ;
- 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;



Technical parameters

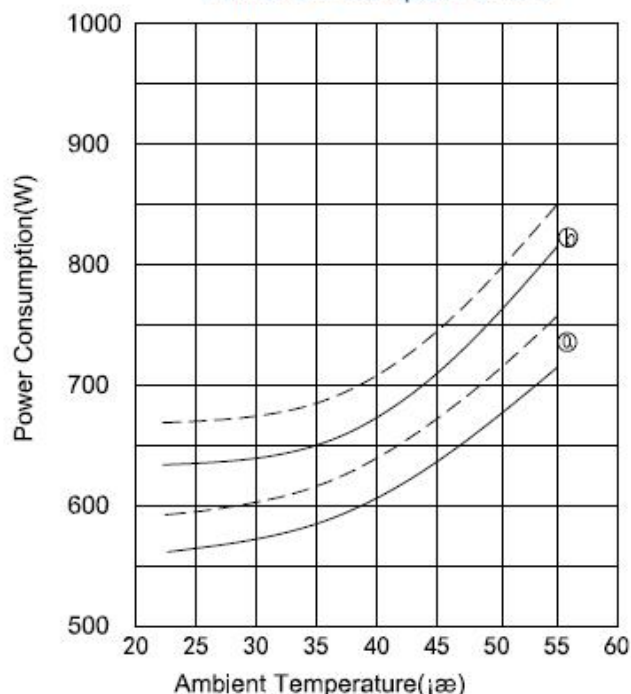
Name	Outdoor Cabinet Air Conditioner
Code	AC1500
Mounting Method	Semi-embedded Mounting
Power Supply	230VAC±15% 50Hz/60Hz
Cooling Capacity	1500W@L35/L35
Power Consumption	550W@L35/L35
Cooling Capacity	900W@L35/L55
Power Consumption	670W@L35/L55
Internal Airflow	600m ³ /h
Working Temperature Range	40°C~+55°C
Max Noise Level	60dB(A)
IP Grade	IP55
Net Weight	40kg
Refrigerant	R134a
Dimensions(H*W*D)	745mm*445mm*175mm
CE&RoHS Compliant	Yes
Surface Treatment	Outdoor type powder coating Standard color: RAL7035
Heater	Optional (800W)
Hydrogen Function	Optional

Cooling Capacity Chart



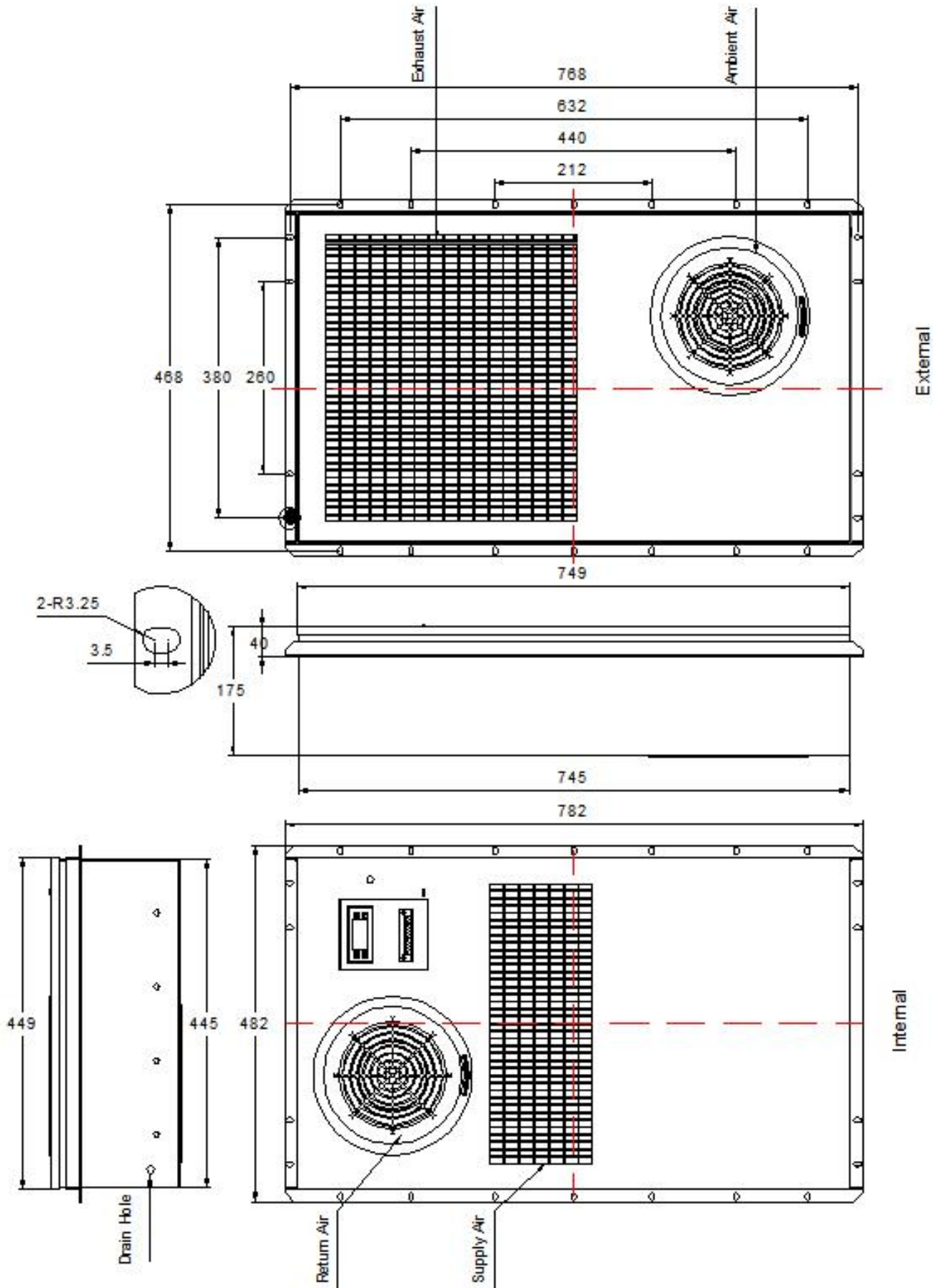
Cabinet Inside Temperature ①---25°C ——— 50Hz
 ②---35°C - - - - - 60Hz

Power Consumption Chart



Cabinet Inside Temperature ①---25°C ——— 50Hz
 ②---35°C - - - - - 60Hz

Technical Drawings



Technical Drawings

Figure 1-Cabinet Door Cutting Dimension

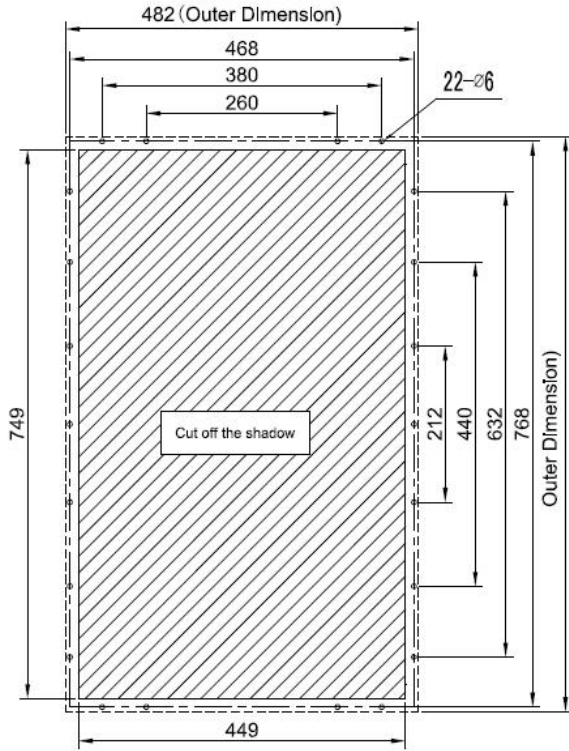


Figure 2-Air open design of cowling

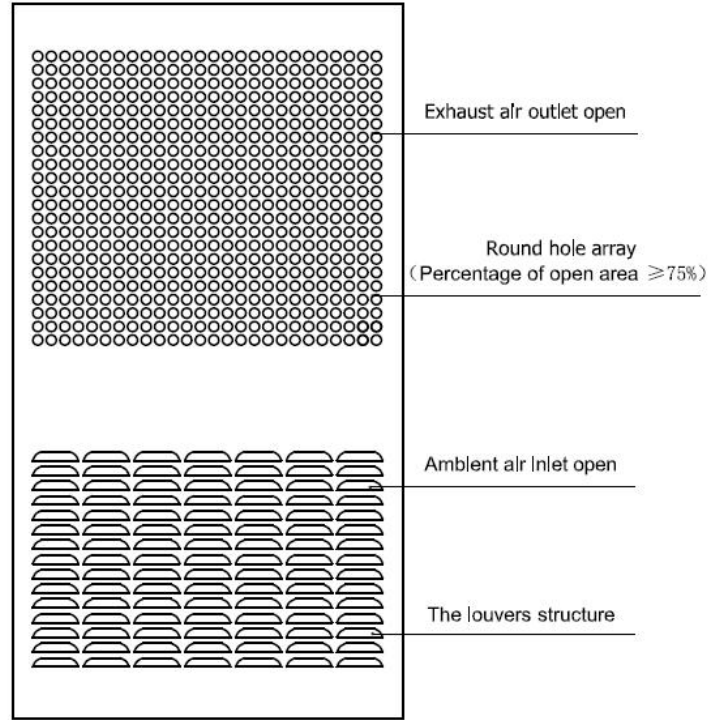
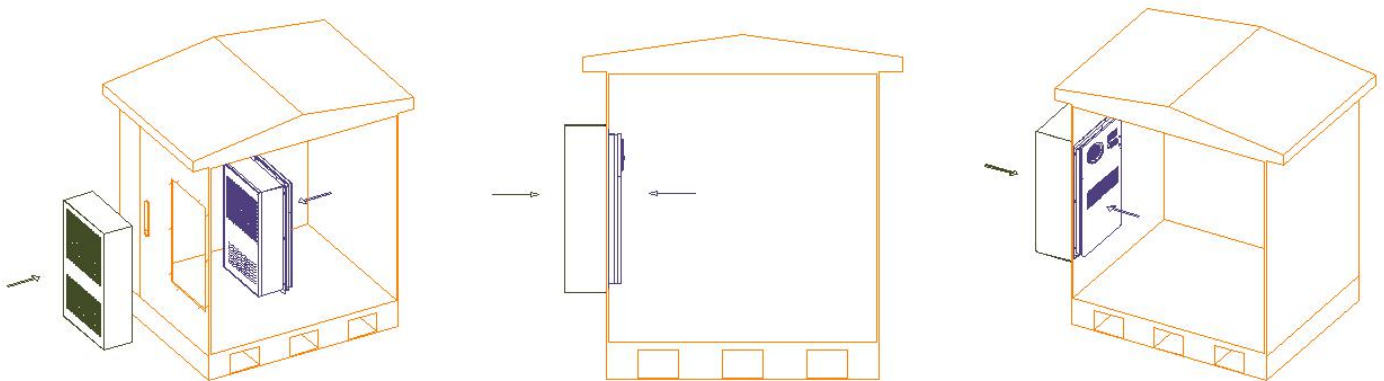


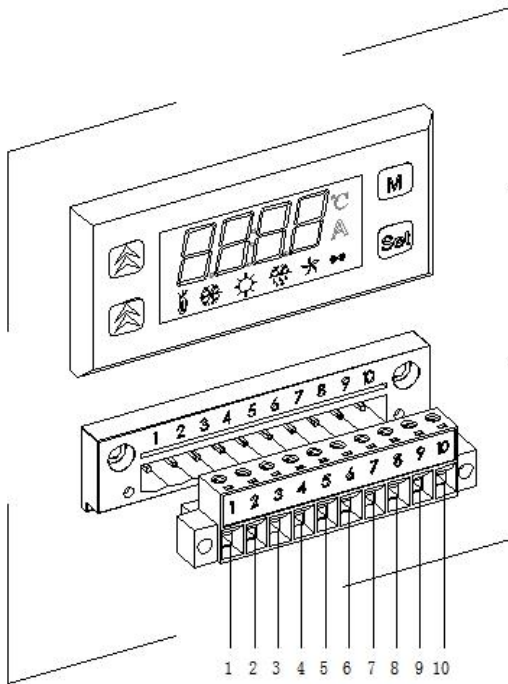
Figure 3-Installation Instruction



Attention:

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.



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.



Number	Symble	Definition	Description
1	L	Live line of AC power	/
2	N	Neutral line of AC power	/
3	PE	Ground wire of AC power	/
4	TR/+	Positive pole of 485 communication	/
5	TR/-	Negative pole of 485 communication	/
6	NO	Normal open port of dry contract alarm output	Dry contact alarm: Pin 6&7: Normal open Pin 7&8 :Normal closed
7	COM	Common port of dry contract alarm output	
8	NC	Normal closed port of dry contract alarm output	
9	I/O	Hydrogen discharging port or external signal input port	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.
10			