

Enclosure Cooling

Combined Unit of A/C with HEX



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

- Double system integration, double power supply, reliability greatly improved, especially suitable for telecom outdoor cabinet;
- Remote measuring, 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;
- Unique energy-saving & control technology;
- DC Fan speed PWM control, low acoustic noise during low speed running;
- Fit for T3 high temperature working condition by using of R134a refrigerant gas;
- Multiple self-protection design & visible monitoring interface, RS422 / RS485 communication port (MODBUS-RTU protocol);
- LED Display, all the settings can be changed at the field;
- The heating function is optional;
- Dry contact alarm output, NO/NC optional;
- Equipped with communication interface: RS422 / RS485 optional.

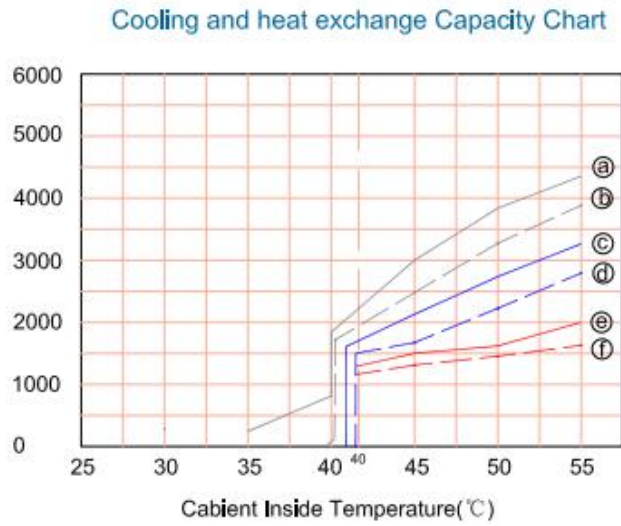


Technical parameters

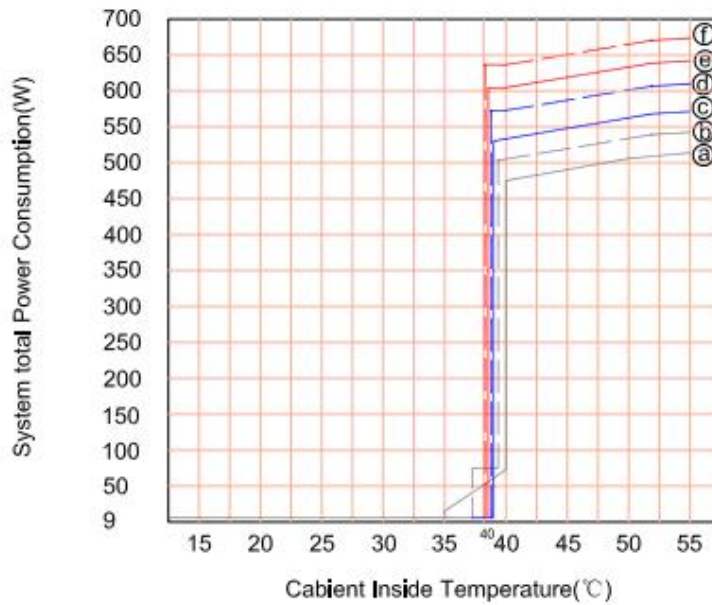
Name	Combined Unit of Air Conditioner with Heat Exchanger
Code	CN1500
Mounting Method	Semi-embedded Mounting
AC Power Supply	230VAC±15%/50Hz
DC Power Supply	48V±20%
Cooling Capacity	1500W@L35/L35
Cooling Consumption	AC 420W@L35/L35
	DC 68W@L35/L35
Cooling Capacity	1125W@L35/L55
Cooling Consumption	AC 540W@L35/L55
	DC 68W@L35/L55
Heat Exchange Capacity	80W/K
Heat Exchange Consumption	DC 68W
Internal Airflow	450m ³ /h
Cooling Working Temperature Range	-15℃~+55℃
Heat Exchange Internal Circulation Temperature Range	-40℃~+65℃
Heat Exchange External Circulation Temperature Range	-40℃~+55℃
Max Noise Level	65dB(A)
IP Grade	IP55
Net Weight	45kg
Refrigerant	R134a
Dimensions(H*W*D)	950mm*510mm*200mm
CE&RoHS Compliant	Yes
Surface Treatment	Outdoor type powder coating
	Standard color: RAL7035
Heater	Optional (800W)



Cooling and heat exchange Capacity Chart



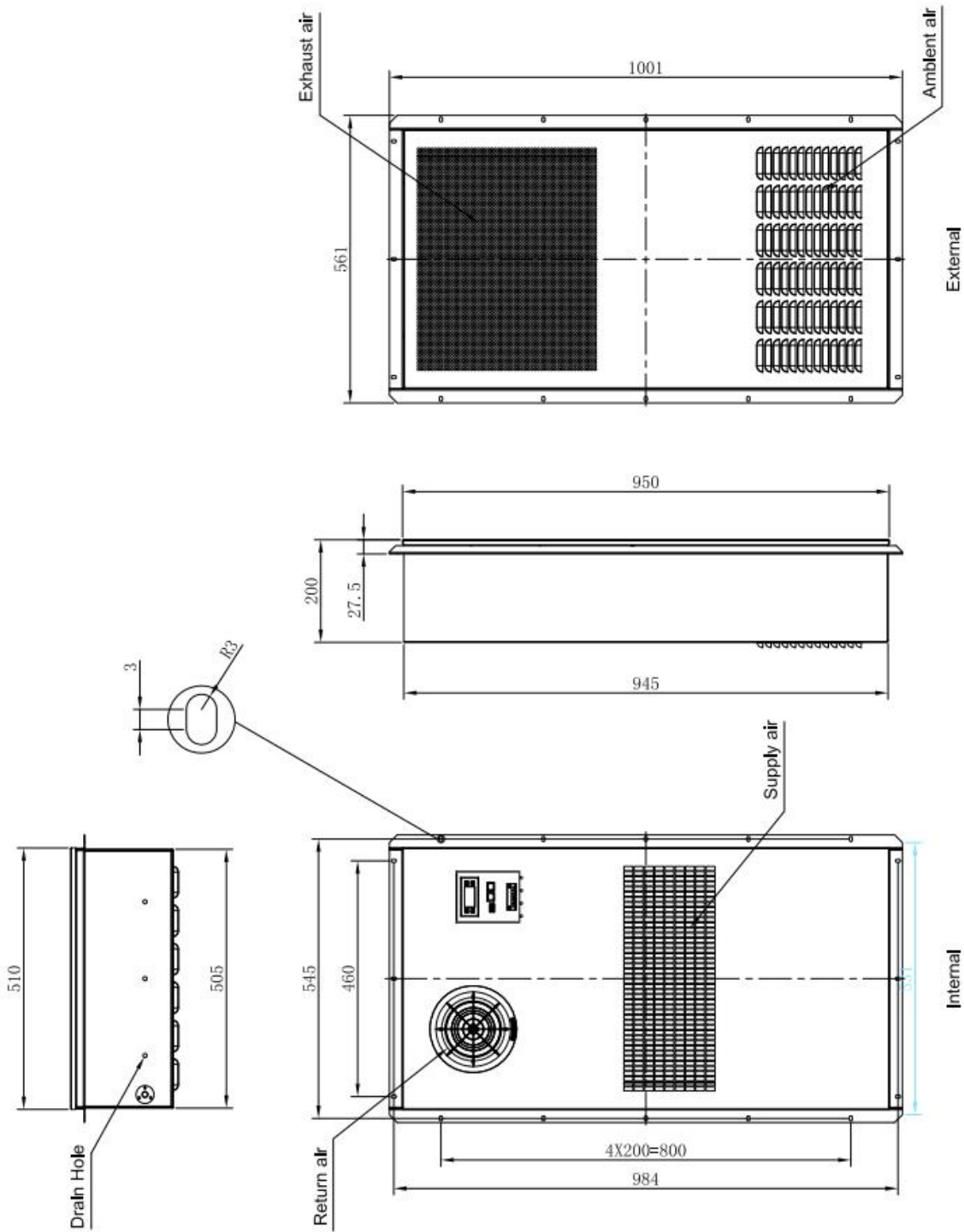
System total Power Consumption Chart



Ambient Temperature(°C)		
(a)	—	30
(b)	- - -	35
(c)	—	40
(d)	- - -	45
(e)	—	50
(f)	- - -	55

When cabinet inside temperature is equal or greater than 40°C, the compressor will be operated

Technical Drawings



Technical Drawings

Figure 1-Cabinet Door Cutting Dimension

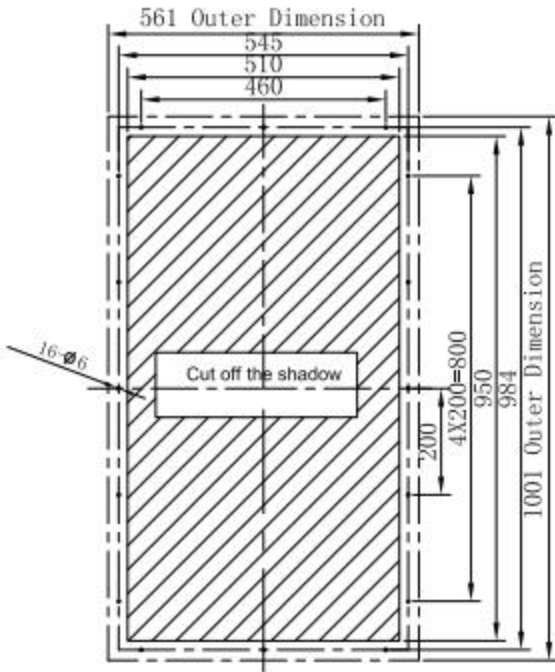


Figure 2-Air open design of cowling

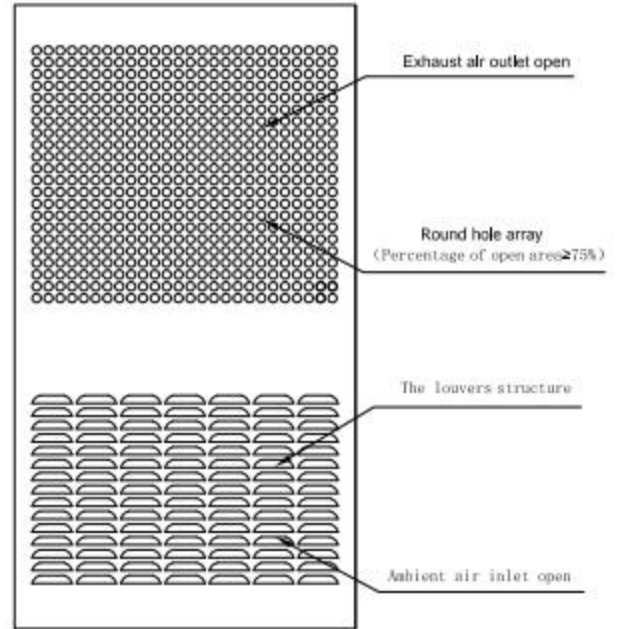


Figure 3-Installation Instruction

