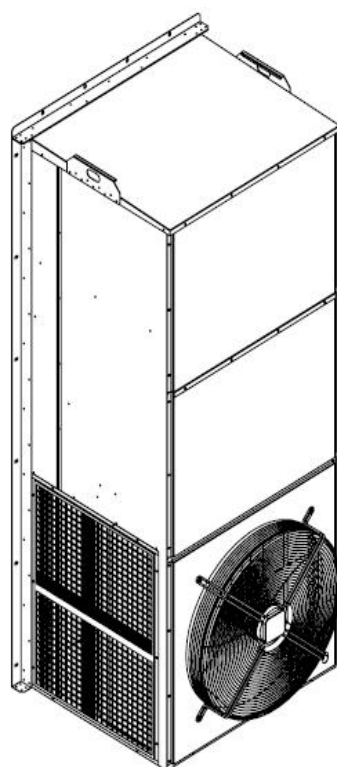




20kw Energy Storage Container Air Conditioner



20kw Energy storage container air conditioner
CY-A200NA
Changzhou Chen Tong Yuan Communication Equipment Co.,Ltd
Please read the data sheet carefully before application, and contact us for further technical information
Email:info@cytech.org.cn

Introduction

A precision air conditioner specially designed for applications such as containers and industrial control cabinets that require heat dissipation, with active cooling and heating functions, creating a good temperature environment for the reliable operation of electronic equipment and reducing equipment failure rates.

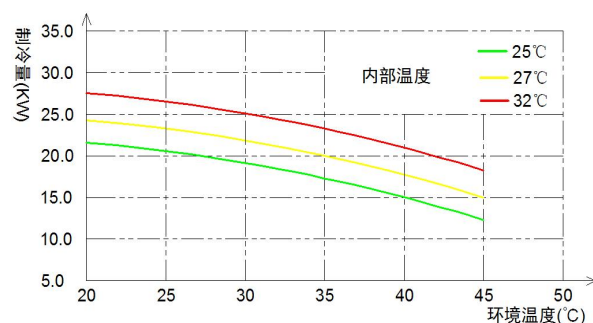
- ◆ Efficient rotor compressor: reliable and energy-saving
- ◆ Intelligent control: Power on self check and power on self start function, RS485 communication interface
- ◆ Digital tube display: on-site parameters can be set, and the temperature and operating status inside the cabinet can be displayed
- ◆ High protection level: Perfect for outdoor environments
- ◆ Configure external circulation air inlet screen to prevent willow catkins from blocking the radiator
- ◆ Upper air outlet structure: The air outlet can be connected to the air duct
- ◆ Environmentally friendly refrigerants: adding a touch of greenery to the Earth
- ◆ Optional functions: heating function, dehumidification function

Technical parameter

◇ Model	CY-A200NA
◇ Main power supply	3~380VAC±15% 50Hz
◇ Cooling capacity(rated)	20.0KW@L27/L35
◇ Power consumption(rated)	8.5KW@L27/L35
◇ Internal circulation air volume	6000m3/h
◇ Work temp. range	-40℃~+45℃
◇ Noise(Outdoor unit/Indoor unit)	72dB(A)
◇ IP level	IP55
◇ Net weight (Outdoor unit/Indoor unit)	210kg
◇ Refrigerant	R410a
◇ Dimensions(Outdoor unit/Indoor unit)	800*2100*703 (mm,W*H*D)
◇ Surface treatment	Powder coating (RAL7035)
◇ Heating	9000W(Option)

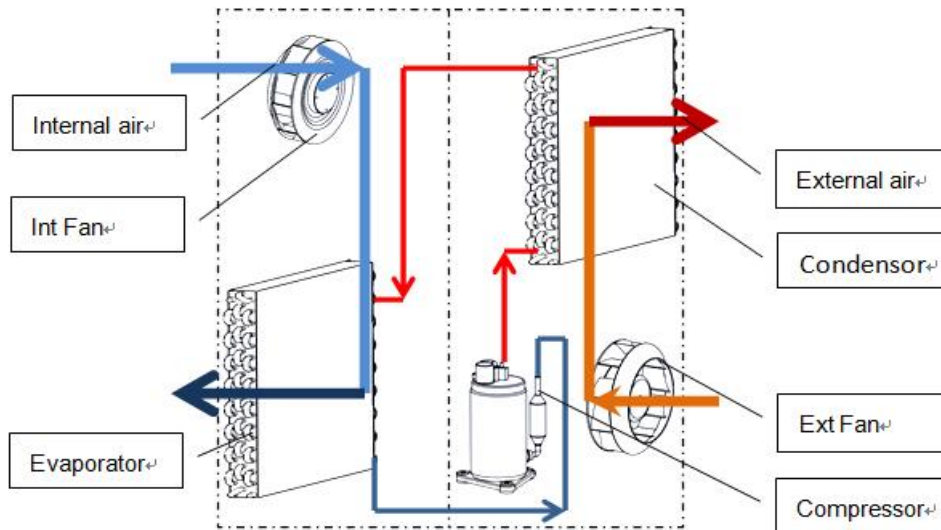
Note: @L35/L35 mains is 35 °C inside and 35 °C outside

Capacity curve

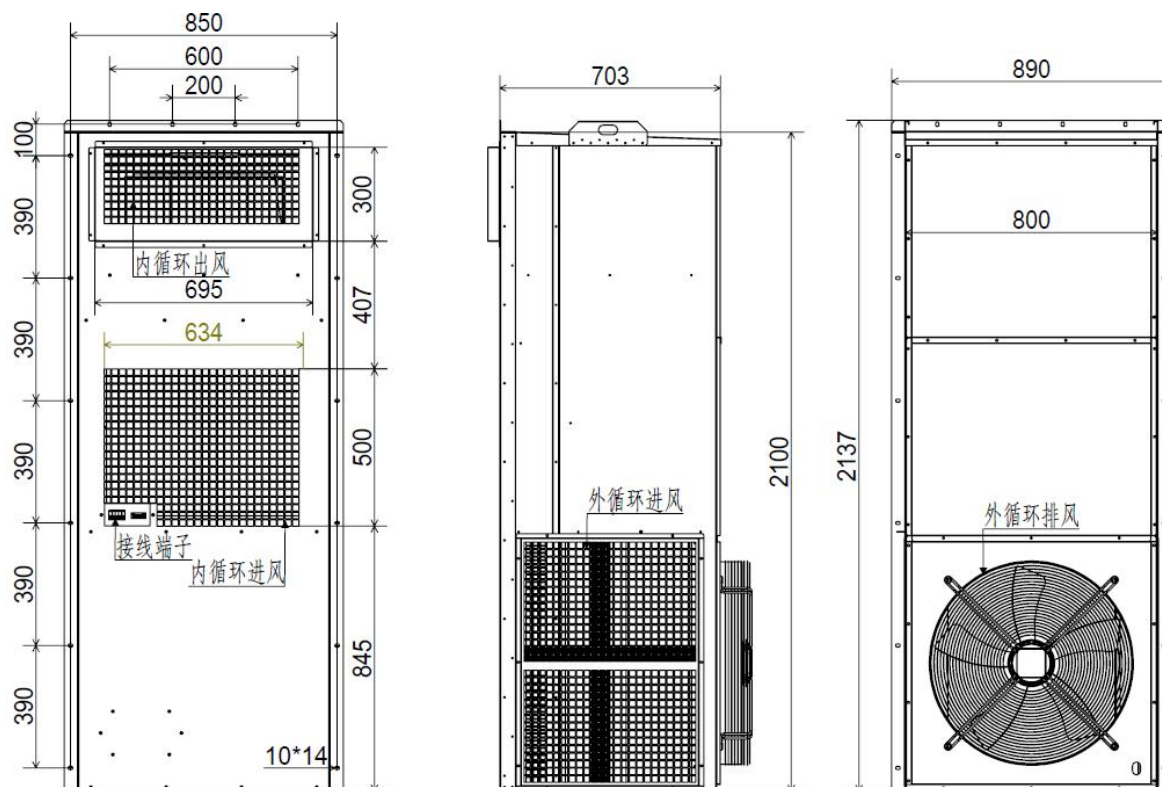


Thermal cycle and air flowing

Cooling: the high-pressure refrigerant liquid in the system enters the evaporator and evaporates to absorb heat of the air in the cabinet, so the air is cooled, and the refrigerant that evaporates into gas in the evaporator is inhaled by the compressor and compressed into the high-pressure and high-temperature refrigerant gas, which enters the condenser and cooled to refrigerant liquid, and then re-enters the evaporator to cool the indoor air, and circulates accordingly.

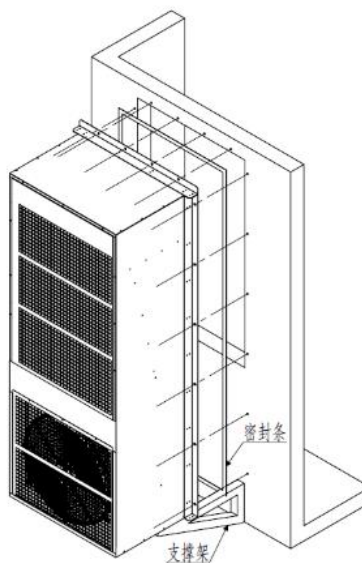


Dimension

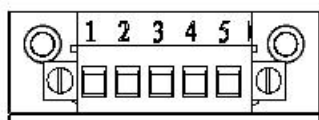


Installation and wiring

Installation: Please design and install the product according to the installation holes drawings below



Electrical wiring diagram



Item	Description
1	DRY CONTACT - NC
2	DRY CONTACT - COM
3	DRY CONTACT - NO
4	RS485-A
5	RS485-B

Attention:

- 1.It is strictly prohibited to turn the air conditioner upside down or lie flat during transportation or handling
- 2.Install vertically and make sure the polarity of wiring is correct and firm.
- 3.To avoid objects blocking the air circulation at the inlet and outlet of internal and external circulation.