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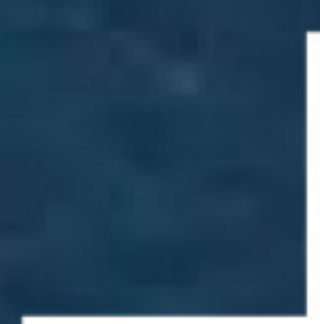
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ICT PRODUCT

Lead the new technology of digital energy and create a new environment of green intelligence

Become a first-class digital and energy solution, product and service provider in the industry

Precision Air Conditioner



JG Cabinet Air Conditioner

Small Precision
Air Conditioner

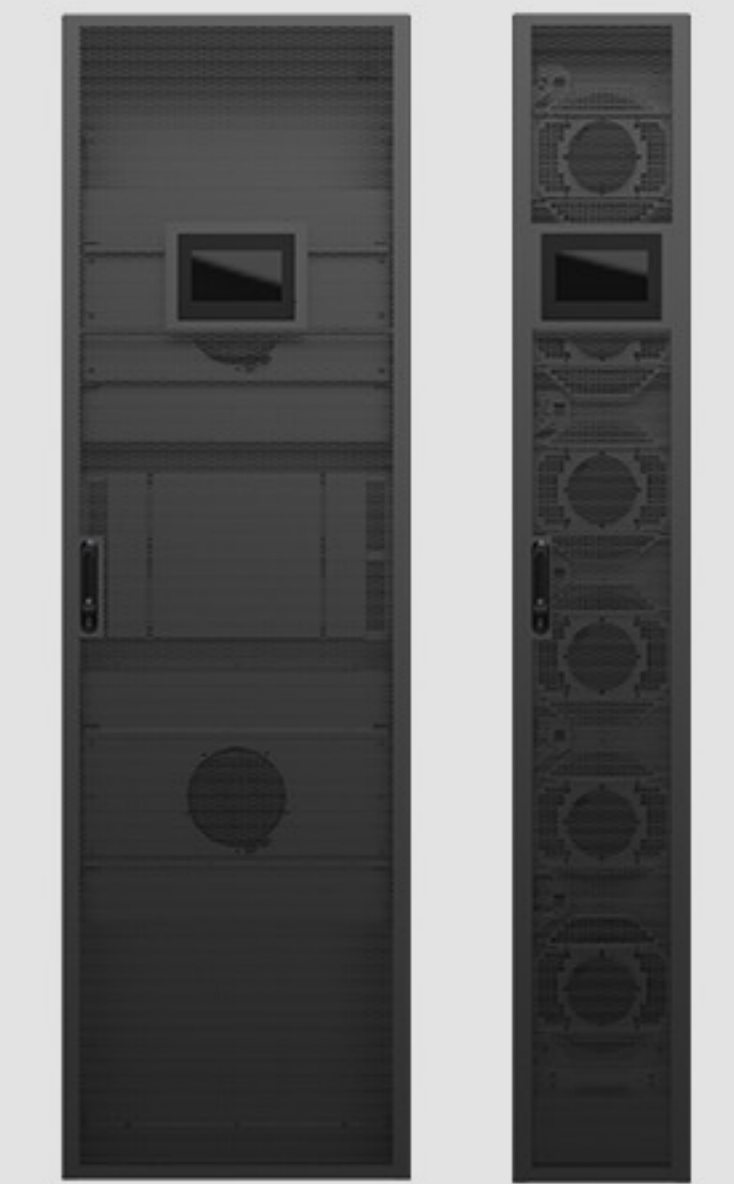


CNA Precision Air Conditioner
for Computer Room

Row -Based
Precision
Air Conditioner



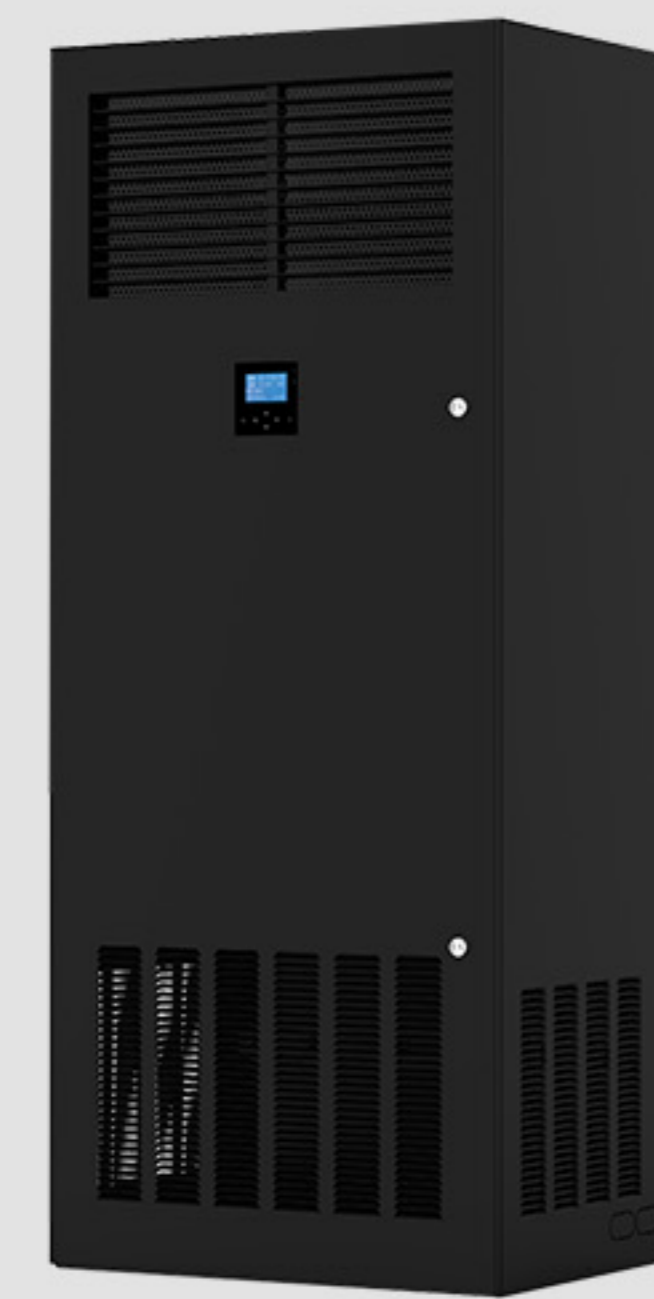
CRA/CRF
Air-cooled/Refrigerant Pump
Computer Room Air Conditioner



CRC Row-Based Precision Air
Conditioner(chilled water)



HDA Precision Air Conditioner
for Computer Room



CSA Precision Air Conditioner
for Computer Room



FHF Heat Pipe Integrated Air
Conditioner



VRM Refrigerant Pump Multi-
split Air Conditioner

Rack Air
Conditioner



CDA Rack Air Conditioner

Room-Based Precision
Air Conditioner



CMC Room-Based
Precision Air
Conditioner(chilled water)



CMA/CMF
Air Cooled/Refrigerant Pump
Computer Room Air
Conditioner

JG Cabinet Air Conditioner

Introduction

JG Cabinet Air Conditioner, as an AC integrated cabinet air conditioner, specially designed for cooling high heat cabinet. Adopting compressor cooling, independent circulation of internal and external air, completely sealed, effectively ensuring the service life and work stability of electronic components.

Application scenarios: Communication base station cabinet, highway ETC cabinet, industrial control cabinet, electrical cabinet, new energy storage cabinet, ETC.

Picture



Core Advantages

- ◆ Made of high molecular material, with strong impact strength & corrosion resistance
- ◆ Optional metal shell, highly fire-proof, potential safety trouble eliminated
- ◆ JGA/JGB two models cover fixed frequency/inverter requirements
- ◆ Excellent aerodynamic performance, low vibration, low noise and long working life
- ◆ Super compact, convenient for delivery, installation and maintenance
- ◆ Electric control box with full metal sealing, fire prevention function
- ◆ Multiple protection and alarm output. Self diagnosis of incoming calls for self start fault

Specification

JG Cabinet Aircon						
Model	JGA006	JGA015	JGB015	JGA020	JGA030	JGB030
Weight and dimension						
Dimension-H(mm)	545	746	746	746	746	746
Dimension-W(mm)	315	446	446	446	446	446
Dimension-D(mm)	170	200	200	200	300	300
Dimension(Flange)H(mm)	583	783	783	783	783	783
Dimension(Flange)W(mm)	352	483	483	483	483	483
Dimension(Flange)D(mm)	170	200	200	200	300	300
Weight- Kg	15.6	22	22	27	41	35
Operation environment and installation						
Installation	Door-mounted					
Operation temp.(°C)	-40~55					
IP grade	IPX5	IPX5	IPX5	IPX5	IPX5	IPX5
Performance parameter						
Refrigerant	R134a	R134a	R134a	R134a	R134a	R134a
Cooling capacity(W)	600	1600	1600	2000	3200	3000
Heating capacity(Optional-W)	600	950	500	1000	1100	500
Input power(W)	225	560	440	800	1000	810
Input current(A)	1	2.6	9.1	3.6	4.5	16.9
Max.current(A)	1.8	5.1	13.5	7	10	26
Internal circulating air flow(m³/h)	170	350	400	450	570	650
Rated operation voltage (V)	220	220	48	220	220	48
Power supply range (V,HZ)	187V~253V,50Hz	187V~253V,50Hz	DC42V~58V	187V~253V,50Hz	187V~253V,50Hz	DC42V~58V

Note:

1. Standard working conditions: indoor and outdoor ambient temperature 35°C;
2. Cooling or cooling and electric heating type can be selected;
3. The sheet above is only part of the specifications, the specific configuration is subject to the units nameplate.

Integrated Storage Container Air Conditioner

Introduction

Integrated Storage Container Air Conditioner is specially designed for storage containers and other internal devices with high heat, which is sensitive to ambient temperature and need to be isolated from the inside and outside, especially suitable for electric power and new energy applications. The product adopts integral structure, large air volume, upper air outlet design, and long air supply distance, to avoid local hot spots and provide safe, reliable, efficient and energy saving temperature control solution for energy storage system.

Application scenarios: Energy storage container, outdoor power cabinet, new energy storage cabinet, etc.

Picture



Core Advantages

- ◆ Highly efficient energy saving fan and inverter compressor
- ◆ High quality EXV, more accurate cooling capacity matching
- ◆ Professional dehumidification design, effective control of the RH
- ◆ Optional electric heater
- ◆ RS485, supporting group control and remote monitoring
- ◆ Autostart, start delay and power off memory function
- ◆ Multiple alarms and protection functions
- ◆ Compact all-in-one machine, easy to install and operate
- ◆ Standard external emergency fan control, hydrogen drainage or emergency ventilation

Specification

Integrated Storage Container Aircon							
Model	JGA050C2F0A1W	JGB125K2E0AW	JGB150K2E0AW	JGB200K2E0A1W	JGB075U2E0AW	JGB125U2E0AW	JGB200U2E0AW
Dimension							
Dimension- H(mm)	1350	2100	2100	2100	1850	1850	2100
Dimension- W(mm)	620	800	800	800	650	800	800
Dimension- D(mm)	300	906	906	906	650	650	650
Dimension(Flange) H(mm)	1401	2145	2145	2145	/	/	/
Dimension(Flange) W(mm)	671	890	890	890	/	/	/
Dimension(Flange) D(mm)	300	906	906	906	/	/	/
Installation and Protection							
Installation	Wall-mounted	Wall-mounted	Wall-mounted	Wall-mounted	Floor-mounted	Floor-mounted	Floor-mounted
Application scenarios	Outdoor	Outdoor	Outdoor	Outdoor	Indoor	Indoor	Indoor
IP grade	IPX5	IPX5	IPX5	IPX5	IP20	IP20	IP20
Performance							
Fixed frequency	Fixed frequency	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
Material							
Refrigerant	R134a	R410a	R410a	R410a	R410a	R410a	R410a
Internal circulating air	1100	3000	4000	5800	2500	2900	6000
Cooling capacity	5000	12500	15000	20000	7500	12500	20000
Input power(m³/h)	1800	4000	6000	8500	2500	4000	10000
Input current(A)	8.2	6.8	10.2	14	11.6	6.8	14
Heating capacity(Optional-W)	2000	6000	6000	9000	4000	6000	9000
Rated operation	1~, 220, 50	3~, 380-415, 50	3~, 380-415, 50	3~, 380-415, 50	1~, 220, 50/60	3~, 380-415, 50/60	3~, 380-415, 50/60
Sound pressure(db)	70	65	68	70	70	70	75

Note:

1. Standard working conditions: indoor and outdoor ambient temperatures of wall mounted units are 35°C; indoor ambient temperature of floor-mounted unit is 27°C; outdoor ambient temperature is 35°C;
2. Cooling or both cooling and electric heating type can be selected;
3. The sheet above is only part of the specifications, the specific configuration is subject to the units nameplate.

JFC DC Heat Pipe Aircon

Introduction

JFC series precision air conditioner is a 48V DC inverter air conditioner with dual cold sources. The equipment is characterized by high energy efficiency, cascade refrigeration, and two cold sources which can be backup to each other.

Application scenarios: various telecom base stations, small telecom computer rooms, railway computer rooms, photovoltaic and energy storage sites.

Picture



Core Advantages

- ◆ Adopt double cold source design, high refrigeration reliability
- ◆ Fast installation and short equipment maintenance time
- ◆ The equipment can adapt to various environments and can operate normally at -35°C ~48°C
- ◆ The use of full DC 48V power supply can achieve low carbon and energy saving effect, with the EER of 5.2 and the EER of heat pipe mode > 10
- ◆ Low noise design will not disturb residents' daily life
- ◆ Equipped with intelligent management system, multiple mains power monitoring modes, and power metering
- ◆ Dual compressor, dual fan and dual controller backup design can prevent shutdown caused by single component failure

Specification

JFC DC Heat Pipe Aircon	
Indoor unit model	JFC075
Main power supply	-48V DC (-15%~+20%)
Air supply	Lower front air supply
Performance parameters	
Cooling capacity(kW)	8
Sensible capacity(kW)	7.2
Max.operation current FLA(A)	72.0
Compressor QTY	2
Fan type	DC axial flow fan
Fan QTY	2
Circulating air volume(m ³ /h)	2500
Heating capacity(kW)	/
Humidification(kg/h)	/
Connecting pipe size	
Liquid pipe(mm)	9.52
Gas pipe(mm)	15.88
Drain pipe	Inner diameter 19mm, outer diameter 25mm, Metal hose clamp connection
Indoor unit Dimension and Weight	
Dimension-W(mm)	580
Dimension-D(mm)	360
Dimension-H(mm)	1800
Weight(kg)	112
Outdoor unit performance parameter	
Outdoor unit model	JW0075K1Z6A2
Dimension-W(mm)	728
Dimension-D(mm)	405
Dimension-H(mm)	1145
Weight(kg)	48
Electronic element specification	
48V power line diameter (main power supply)	RVV2*16mm ²
220V power line diameter (only for market power monitoring)	RVV3*0.75mm ²
Recommended distribution capacity (kW)	4
Note:	
1. Standard working conditions: indoor ambient temperature 27°C, RH 50%, outdoor ambient temperature 35°C.	
2. In order to ensure the normal operation of the heat pipe mode of the unit, the outdoor unit must be installed higher than the indoor unit, and the recommended height difference is more than 0.5m.	

CNA Precision Air Conditioner for Computer Room

Introduction

CNA Air-cooled Air Conditioner is designed to provide perfect cooling solutions for the computer room with low and medium thermal density. The unit is equipped with dual axial fan and adopts stepless speed regulation design. The EER reaches 3.6, which is leading in the industry.

Application scenarios: small and medium-sized computer room, equipment room, communication base station, battery room, power room, substation, power distribution room, monitoring room, etc.

Picture



Core Advantages

- ◆ EER up to 3.6
- ◆ The indoor unit occupies a Min. area of 0.22 m²
- ◆ Innovative design of "double DC axial flow fan"
- ◆ "Large air volume, small enthalpy difference" design, SHR ≥92%
- ◆ The indoor unit is designed with three return air sides supporting full frontal maintenance
- ◆ Power off memory, autostart, -15~48°C operation environment

Specification

CNA Precision Aircon for Computer Room			
Indoor unit model	CNA1008	CNA1013	CNA1020
Main power supply	380V 3Ph~50Hz		
Air supply	Up and front air supply		
Performance parameter			
Cooling capacity(kW)	8.0	13.0	20.1
Sensible capacity(kW)	7.36	12.22	18.1
Max. operation current FLA(A)	15	18.7	25.0
Compressor QTY	1		
Fan type	DC axial flow fan		
Fan QTY	2		
Circulating air volume(m ³ /h)	2800	3500	5000
Heating capacity(kW)	2	2	3
Humidification(kg/h)	2	2	3
Connecting pipe size			
Liquid pipe(mm)	6.35	9.52	12.7
Gas pipe(mm)	15.88	19.05	19.05
Humidification inlet pipe(Internal thread)	G3/4		
Drain pipe	Inner diameter 19mm, outer diameter 25mm, Metal hose clamp connection		
Indoor unit dimension and weight			
Dimension-W(mm)	510	510	580
Dimension-D(mm)	425	425	450
Dimension-H(mm)	1887	1887	1950
Weight(kg)	93	108	148
Outdoor unit performance parameter			
Outdoor unit model	CST008SP1A	CST013SP1A	CST020SP1A
Dimension-W(mm)	728	728	1020
Dimension-D(mm)	405		
Dimension-H(mm)	762	1370	1370
Weight(kg)	34	53	74
Electronic element specification			
Air switch(recommended)(A)	25		32
Indoor power cable diameter(mm ²)	4*4.0+1*4.0	4*4.0+1*4.0	4*6.0+1*6.0
Outdoor power cable diameter(mm ²)	2*1.0+1*1.0		
Note:			
1. Standard working conditions: indoor ambient temperature 24°C, RH 50%, outdoor ambient temperature 35°C;			
2. Only cooling + electric heating or constant temperature and humidity type can be selected. The maximum working current and the recommended air switch are configured according to the constant temperature and humidity unit.			
3. Water-cooled outdoor unit is optional.			

HDA Precision Air Conditioner for Computer Room

Introduction

HDA air-cooled Air Conditioner is designed to provide perfect cooling solutions for the computer room with low and medium thermal density. High efficiency fan is equipped with adjustable air guide fence and stepless speed regulation design. The EER reaches 3.6, which is leading in the industry.

Application scenarios: small and medium-sized computer room, equipment room, communication base station, battery room, power room, substation, power distribution room, monitoring room, etc.

Picture



Core Advantages

- ◆ EER up to 3.6
- ◆ The indoor unit occupies a Min. area of 0.22m²
- ◆ Innovative "high efficiency fan with air guide fence design"
- ◆ "Large air volume, small enthalpy difference" design, SHR ≥92%
- ◆ Equipped with power metering function module
- ◆ With wet film humidification, humidification power consumption is greatly reduced

Specification

HDA Precision Aircon for Computer Room			
Indoor unit model	HDA1008	HDA1013	HDA1020
Main power supply	380V 3Ph~50Hz		
Air supply	Up and front air supply		
Performance parameter			
Cooling capacity(kW)	8.0	13.0	20.2
Sensible capacity(kW)	7.36	11.7	18.18
Max. operation current FLA(A)	15.0	18.7	25.0
Compressor QTY	1	1	1
Fan type	DC axial flow fan		
Fan QTY	2		
Circulating air volume(m ³ /h)	2800	3500	5000
Heating capacity(kW)	2		
Humidification(kg/h)	2		
Connecting pipe size			
Liquid pipe(mm)	6	9.52	12.7
Gas pipe(mm)	15.88	19.05	19.05
Humidification inlet pipe(Internal thread)	G3/4		
Drain pipe	Inner diameter 19mm, outer diameter 25mm, metal hose clamp connection		
Indoor unit dimension and weight			
Dimension-W(mm)	580		
Dimension-D(mm)	365	365	460
Dimension-H(mm)	1950		
Weight(kg)	100	113	148
Outdoor unit performance parameter			
Outdoor unit model	CST008SP1A	CST013SP1A	CST020SP1A
Dimension-W(mm)	728	728	1020
Dimension-D(mm)	405		
Dimension-H(mm)	762	1370	1370
Weight(kg)	34	53	74
Electronic element specification			
Air switch(recommended)	32		
Indoor power cable diameter	4*4.0+1*4.0	4*4.0+1*4.0	4*6.0+1*6.0
Outdoor power cable diameter	2*1.0+1*1.0		
Note:			
1. Standard working conditions: indoor ambient temperature 24°C, RH 50%, outdoor ambient temperature 35°C;			
2. Only cooling + electric heating or constant temperature and humidity type can be selected. The maximum working current and the recommended air switch are configured according to the constant temperature and humidity unit.			
3. Water-cooled outdoor unit is optional.			

CSA Precision Air Conditioner for Computer Room

Introduction

CSA Air-cooled Precision Air Conditioner adopts advanced design concept and is equipped with high-efficiency EC centrifugal fan. The unit has passed rigorous testing and verification by national CNAS laboratory, and has significant characteristics of energy saving and stable operation.

Application scenarios: small and medium-sized computer room, equipment room, communication base station, battery room, power room, substation, power distribution room, monitoring room, etc.

Picture



Core Advantages

- ◆ Compressor from well-known brand, smooth rotation and operation
- ◆ EC fan with backward tilt design, air supply distance up to 15m
- ◆ Units has passed more than 20 commodities inspection Indicators
- ◆ Electrode humidification + ceramic PTC heating
- ◆ Power off memory, autostart
- ◆ *Optional low temperature components, which can achieve -35°C reliable operation

Specification

CSA Precision Aircon for Computer Room				
Indoor unit model	CSA1008	CSA1013	CSA1017	CSA1020
Main power supply	380V 3Ph~50Hz			
Air supply	Up and front air supply			
Performance parameter				
Cooling capacity(kW)	7.5	12.5	17.5	20.1
Sensible capacity(kW)	6.75	11.25	15.75	18.1
Max. operation current FLA(A)	13.0	16.5	20.0	26.3
Compressor QTY	1.0	1	1	1
Fan type	EC Centrifugal fan			
Fan QTY	1			
Circulating air volume(m ³ /h)	2360	3780	5200	5700
Heating capacity(kW)	3			
Humidification(kg/h)	3			
Connecting pipe size(20m)				
Liquid pipe(mm)	6.35	9.52	9.52	12.7
Gas pipe(mm)	15.88	19.05	19.05	19.05
Humidification inlet pipe(Internal thread)	G 1/2"			
Drain pipe	Inner diameter 19mm, outer diameter 25mm, Metal hose clamp connection			
Indoor unit dimension and weight				
Dimension-W(mm)	550	650	750	800
Dimension-D(mm)	450	450	550	650
Dimension-H(mm)	1800			
Weight(kg)	118	138	160	174
Outdoor unit dimension and weight				
Outdoor unit model	CST008SP1A	CST013SP1A	CST017SP1A	CST020SP1A
Dimension-W(mm)	728	728	1020	1020
Dimension-D(mm)	405			
Dimension-H(mm)	762	1370	1370	1370
Weight(kg)	34	53	72	74
Electronic element specification				
Air switch(recommended) (A)	16	20	25	32
Indoor power cable diameter(mm ²)	4*2.5+1*2.5	4*4.0+1*4.0	4*4.0+1*4.0	4*6.0+1*6.0
Outdoor power cable diameter(mm ²)	2*1.0+1*1.0			
Note:				
1. Standard working conditions: indoor ambient temperature 24°C, RH 50%, outdoor ambient temperature 35°C, ESP=20Pa;				
2. Only cooling + electric heating or constant temperature and humidity type can be selected. The maximum working current and the recommended air switch are configured according to the constant temperature and humidity unit				
3. Water-cooled outdoor unit is optional.				

Inverter CSA Precision Air Conditioner for Computer Room

Introduction

CSA air-cooled precision Air Conditioner adopts advanced inverter design concept and is equipped with high-efficiency EC centrifugal fan. The unit has passed rigorous testing and verification by national CNAS laboratory, and has significant characteristics of energy saving and stable operation.

Application scenarios: small and medium-sized computer room, equipment room, communication base station, battery room, power room, substation, power distribution room, monitoring room, etc.

Picture



Core Advantages

- ◆ Full inverter design, provide more flexible and efficient temperature control scheme
- ◆ With Wet film humidification, power consumption is greatly reduced
- ◆ Power off memory, autostart, group control, flexible configuration
- ◆ *Optional lightning protection component, ensuring the stability of the equipment room
- ◆ *Optional low temperature components, which can achieve -35°C reliable operation

Specification

Inverter CSA Precision Aircon for Computer Room				
Indoor unit model	CSA3008	CSA3013	CSA3020	CSA3030
Main power supply	380V 3Ph~50Hz			
Air supply	Up and front air supply			
Performance parameter				
Cooling capacity(kW)	7.5	12.5	20	30.0
Sensible capacity(kW)	6.75	11.25	18	27.0
Max. operation current FLA(A)	13.0	16.5	26.3	39.6
Compressor QTY	1	1	1	1
Fan type	EC Centrifugal fan			
Fan QTY	1	1	1	1
Circulating air volume(m ³ /h)	2200	3600	5500	7500
Heating capacity(kW)	3	3	3	6
Humidification(kg/h)	1.5	1.5	3	3
Connecting pipe size				
Liquid pipe(mm)	6.35	9.52	12.7	15.88
Gas pipe(mm)	15.88	19.05	19.05	22.00
Humidification inlet pipe(Internal thread)	G 1/2"			
Drain pipe	Inner diameter 19mm, outer diameter 25mm, metal hose clamp connection			
Indoor Unit Dimension and Weight				
Dimension-W(mm)	550	650	800	900
Dimension-D(mm)	450	450	650	750
Dimension-H(mm)	1800	1800	1800	1975
Weight(kg)	118	138	174	220
Outdoor unit Dimension and Weight				
Outdoor unit model	CST008SP1A	CST013SP1A	CST020SP1A	CST030SP3A
Dimension-W(mm)	728	728	1020	1300
Dimension-D(mm)	405	405	405	740
Dimension-H(mm)	762	1370	1370	1216
Weight(kg)	34	53	74	78
Electronic element specification				
Air switch(recommended) (A)	16	20	32	50
Indoor power cable diameter(mm ²)	4*2.5+1*2.5	4*4.0+1*4.0	4*6.0+1*6.0	4*10.0+1*10.0
Outdoor power cable diameter(mm ²)	*1.0+1*1.0	2*1.0+1*1.0	2*1.0+1*1.0	4*1.5+1*1.5
Note: 1. Standard working conditions: indoor ambient temperature 24°C, RH 50%, outdoor ambient temperature 35°C, ESP=20Pa; 2. Only cooling + electric heating or constant temperature and humidity type can be selected. The maximum working current and the recommended air switch are configured according to the constant temperature and humidity unit; 3. Water-cooled outdoor unit is optional.				

FHF Heat Pipe Integrated Air Conditioner

Introduction

FHF Heat Pipe Integrated Air conditioner is an energy-saving equipment with highly efficient refrigeration system design which can utilize the natural cold source, meeting the requirements of 7x 24h all-weather continuous operation. It is the ideal choice for green data center and various electronic instrument room.

Application scenarios: small and medium-sized computer room, equipment room, communication base station, battery room, power room, substation, power distribution room, monitoring room, etc.

Picture



Core Advantages

- ◆ Power saving reach up to 30~60%.
- ◆ Compressors are recommended for cooling in summer to ensure controllable temperature in the equipment room.
- ◆ Heat pipes are recommended for natural cooling in winter to minimize energy consumption
- ◆ In transition season, the intelligent mode should be adopted to switch the refrigeration type automatically
- ◆ 580mm wide, downward air supply, CFD simulation
- ◆ Outdoor ambient temperature ranging from -30°C to 48°C
- ◆ Autostart function, to achieve free manual patrol
- ◆ *Optional power metering function module

Specification

FHF Heat pipe integrated Aircon			
Indoor unit model	FHF060	FHF080	FHF130
Main power supply	220V1Ph~50Hz	380V 3Ph~50Hz	
Air supply	Downward and front air supply		
Performance parameter			
Cooling capacity(kW)	6.0	8.0	13.0
Sensible capacity(kW)	5.52	7.36	11.7
Max. operation current FLA(A)	11.1	10.5	10.7
Compressor QTY	1		
Fan type	DC axial flow fan		
Fan QTY	1	2	2
Circulating air volume(m ³ /h)	2400	3000	4000
Heating capacity(kW)	2		
Humidification(kg/h)	/		
Connecting pipe size			
Liquid pipe(mm)	19.05		
Gas pipe(mm)	12.7	12.7	15.88
Drain pipe	Inner diameter 19mm, outer diameter 25mm, Metal hose clamp connection		
Indoor unit Dimension and Weight			
Dimension-W(mm)	580		
Dimension-D(mm)	360		
Dimension-H(mm)	1800		
Weight(kg)	92	103	121
Outdoor unit performance parameter			
Outdoor unit model	FKF060K0YA1	FKF080K0YA1	FKF130K0YA1
Dimension-W(mm)	728	728	
Dimension-D(mm)	405		
Dimension-H(mm)	1145	1145	1370
Weight(kg)	41	48	56.5
Electronic element specification			
Air switch recommended(A)	25		
Indoor power cable diameter(mm ²)	2*2.5+1*2.5	4*2.5+1*2.5	4*2.5+1*2.5
Outdoor power cable diameter(mm ²)	2*1.0+1*1.0		
Note: Standard working conditions: indoor ambient temperature 24°C, RH 50%, outdoor ambient temperature 35°C.			

CMA Room-Based Air-cooled Air Conditioner

Introduction

CMA Room-Based Air-cooled Air conditioner provides precision temperature and humidity control for large and medium sized data rooms. It adopts high efficiency compressor and EC centrifugal fan to meet the requirements of 24×7 all-weather continuous operation. It is the ideal choice for green and energy-saving data centers and various electronic equipment rooms. Application scenarios: data center, communication equipment and computer room, MRI and CT room, other precision equipment environment, such as precision processing, electronic instrument workshop, museum, archives, high-end wine cellar, medical equipment room, constant temperature and humidity laboratory, etc.

Picture



Core Advantages

- ◆ Key components are selected from well-known brands
- ◆ EC fan, stepless inverter regulation, energy saving 30%
- ◆ EEV electronic expansion valve automatically adjusts refrigerant flow as required
- ◆ High efficiency electrode/wet film humidification, fast humidification, low power consumption
- ◆ Precise control system for condensing pressure, improving system security
- ◆ Full frontal maintenance, pull-out design
- ◆ Power off memory, autostart, group control, flexible configuration
- ◆ *Optional power metering function module

Specification

CMA Room-Based Air-cooled Aircon						
Indoor unit model	CMA3030	CMA3040	CMA3050	CMA4060	CMA4080	CMA4100
Main power supply	380V 3Ph-50Hz					
Air supply	Up/Down					
Performance parameter						
Cooling capacity(kW)	30.1	40.1	50.1	60.2	80.2	100.2
Sensible capacity(kW)	27.09	36.09	45.09	54.18	72.18	90.18
Max. operation current FLA(A)	46.5	55.5	55.5	86.1	106.4	106.4
Compressor QTY	1	1	1	2	2	2
Fan type	EC Centrifugal fan					
Fan QTY	1	1	1	2	2	2
Circulating air volume(m ³ /h)	9200	11500	13500	18400	23000	27000
Heating capacity(kW)	6	9	9	9	15	15
Humidification(kg/h)	6	6	8	8	10	10
Connecting pipe size(30m)						
Liquid pipe(mm)	16	22	22	16	22	22
Gas pipe(mm)	22	28	28	22	28	28
Humidification inlet pipe(Internal thread)	G1/2"					
Drain pipe	Inner diameter 19mm, outer diameter 25mm, metal hose clamp connection					
Unit Dimension and Weight						
Dimension-W(mm)	780	1130	1130	1530	2230	2230
Dimension-D(mm)	996					
Dimension-H(mm)	1975					
Weight(kg)	285	460	460	690	880	880
Outdoor unit configuration(Outdoor Temp. 45°C)						
Flat-plate outdoor unit model	CMT050SP	CMT066SP	CMT088SP	CMT050SP*2	CMT066SP*2	CMT088SP*2
Centralized outdoor unit model	CMT050SF	CMT066SF	CMT088SF	CMT099SH	CMT132SH	CMT176SH
Electronic element specification						
Air switch recommended(A)	63	63	63	100	125	125
Indoor power cable diameter	4*10.0+1*10.0	4*16.0+1*16.0	4*25.0+1*16.0	4*35.0+1*16.0		
Note: 1. Standard working conditions: indoor ambient temperature 24°C, RH 50%, outdoor ambient temperature 35°C, ESP=100Pa; 2. Only cooling + electric heating or constant temperature and humidity type can be selected. The maximum working current and the recommended air switch are configured according to the constant temperature and humidity unit. 3. Optional water-cooled outdoor unit.						

CMA Room-Based Air-cooled Air Conditioner

Specification

CMA Room-Based Air-cooled Aircon (Fixed frequency)								
Indoor unit model	CMA1025	CMA1030	CMA1040	CMA2060	CMA2070	CMA2080	CMA2090	CMA2100
Main power supply	380V 3Ph-50Hz							
Air supply	Up/Down							
Performance parameter								
Cooling capacity(kW)	25.5	30.5	40.8	61.3	70.5	81.7	90	100.8
Sensible capacity(kW)	23	27.5	36.7	55.2	63.5	73.5	81	90.7
Max. operation current FLA(A)	40.5	40.5	52.9	74.4	83	83	109.4	109.4
Compressor QTY	1	1	1	2	2	2	2	2
Fan type	EC Centrifugal fan							
Fan QTY	1	1	1	2	2	2	2	2
Circulating air volume(m ³ /h)	7800	9200	11500	18400	21000	23000	25600	27000
Heating capacity(kW)	6	6	9	9	9	9	15	15
Humidification(kg/h)	5	5	8	8	8	8	10	10
Connecting pipe size(30m)								
Liquid pipe(mm)	16	16	16	16	19	19	22	22
Gas pipe(mm)	22	22	25	22	25	25	28	28
Humidification inlet pipe(Internal thread)	G 1/2"							
Drain pipe	Inner diameter 19mm, outer diameter 25mm, metal hose clamp connection							
Unit dimension and weight								
Dimension-W(mm)	780	780	930	1530	1830	1830	2230	2230
Dimension-D(mm)	996							
Dimension-H(mm)	1975							
Weight(kg)	285	285	350	690	810	810	880	880
Outdoor unit configuration (Outdoor Temp. 40°C)								
Flat-plate outdoor unit	CMT044SP	CMT044SP	CMT055SP	CMT044SP*2	CMT055SP*2	CMT055SP*2	CMT077SP*2	CMT077SP*2
Outdoor unit configuration (Outdoor Temp. 45°C)								
Flat-plate outdoor unit	CMT050SP	CMT050SP	CMT066SP	CMT050SP*2	CMT066SP*2	CMT066SP*2	CMT088SP*2	CMT088SP*2
Centralized outdoor unit	CMT050SF	CMT050SF	CMT066SF	CMT099SH	CMT132SH	CMT132SH	CMT176SH	CMT176SH
Electronic element specification								
Air switch recommended(A)	50	50	63	100	100	100	125	125
Indoor power cable diameter(mm ²)	4*10.0+1*10.0			4*25.0+1*16.0			4*35.0+1*16.0	
Note: 1. Standard working conditions: indoor ambient temperature 24°C, RH 50%, outdoor ambient temperature 35°C, ESP=100Pa; 2. Only cooling or constant temperature and humidity type can be selected. The maximum working current and the recommended air switch are configured according to the constant temperature and humidity unit. 3. temperature and humidity unit. Optional water-cooled outdoor unit.								

CRA Row-Based Air-cooled Aircon

Introduction

CRA Row-based Air-cooled Air conditioner is designed for the medium and high thermal density data center. It can be installed close to the heat source, shorten the flow path of cold air to accurately process the sensible heat generated by the server. It is the ideal choice for the green energy-saving data center and various electronic equipment rooms.

Application scenarios: Small and medium-sized data centers, modular data centers, cabinet cold (hot) aisle transformation, medium and high thermal density communication equipment and computer rooms, etc.

Picture



Core Advantages

- ◆ Key components are selected from well-known brand
- ◆ Full EC inverter design, automatic adjustment of cooling-capacity and air volume output
- ◆ Wet film humidifier, saving 99% of humidification energy
- ◆ "Linear shape or U shape" evaporator, large area, small resistance
- ◆ Compact outdoor unit, U-shaped design, air return on three sides
- ◆ High return air temperature design, significantly improved energy efficiency
- ◆ Full frontal maintenance, pull-out design
- ◆ Group control, flexible configuration
- ◆ *Optional power metering function module

Specification

CRA Row-Based Air-cooled Aircon					
Indoor unit model	CRA3012	CRA3025	CRA3040	CRA3050	CRA3060
Main power supply	380V 3Ph~50Hz				
Air supply	Front air supply				
Performance parameter					
Cooling capacity (kW)	12.5	25	40	50	60
Sensible capacity (kW)	12.5	25	40	50	60
Max. operation current FLA (A)	27.5	37	50.2	54	57.2
Compressor QTY	1				
Fan Type	EC Centrifuge fan				
Fan QTY	3	6	2	3	3
Circulating air volume (m ³ /h)	3000	5000	8000	10800	12000
Heating capacity (kW)	2	3	6	9	9
Humidification (kg/h)	1	1.5	3	4.5	4.5
Connecting pipe size(30m)					
Liquid pipe (mm)	9.52	15.88	15.88	15.88	15.88
Gas pipe (mm)	19.05	22	22	22	22
Humidification inlet pipe (Internal thread)	G3/4"				
Water pump drain pipe(mm)	ID9.53*OD17.02				
Natural drain pipe(mm)	ID16*OD24				
Unit dimension and weight					
Dimension-W (mm)	300	300	600	600	600
Dimension-D (mm)	1100/1200				
Dimension-H (mm)	2000/2200				
Weight (kg)	190	210	250	310	310
Outdoor unit performance parameter (40°C)					
Flat-plate outdoor unit model	CST013SP	CMT038SP	CMT055SP	CMT077SP	CMT088SP
Centralized outdoor unit model	N/A	CMT038SF	CMT055SF	CMT077SF	CMT088SF
Outdoor unit performance parameter (45°C)					
Flat-plate outdoor unit model	N/A	CMT044SP	CMT066SP	CMT088SP	CMT099SP
Centralized outdoor unit model	N/A	CMT044SF	CMT066SF	CMT088SF	CMT099SF
Electronic element specification					
Air switch recommended(A)	40	40	63	63	63
Indoor power cable diameter(mm ²)	4*6.0+1*6.0	4*6.0+1*6.0	4*16+1*16	4*16+1*16	4*16+1*16

- Remark:
- Standard working conditions: indoor return air temperature 37°C, RH 24%, outdoor ambient temperature 35°C, ESP=10Pa;
 - Only cooling + electric heating or constant temperature and humidity type can be selected. The maximum working current and the recommended air switch are configured according to the constant temperature and humidity unit.
 - If you need to use centralized outdoor unit, please contact us;
 - The table above is only part of the parameters, and the specific configuration is subject to the nameplate.

CRC Row-Based Aircon (Chilled Water)

Introduction

CRC Row-Based Air Conditioner (Chilled water) is more suitable for scenarios with limited on-site installation (no need to install outdoor units) while maintaining accurate cooling characteristics close to the heat source, helping the continuous development of green data centers.

Application scenarios: small and medium-sized data centers, modular data centers, cabinet cold (hot) aisle transformation, medium and high thermal density communication equipment and computer rooms, etc.

Picture



Core Advantages

- ◆ Key components are selected from well-known brand
- ◆ EC centrifugal fan, automatically adjust cooling capacity and air volume output
- ◆ Wet film humidifier, saving 99% of humidification energy
- ◆ "Full cabinet type" evaporator, large area, small wind resistance
- ◆ High return air temperature design, energy efficiency significantly improved
- ◆ Full frontal maintenance, pull-out design
- ◆ Teamwork networking with flexible configuration
- ◆ *Optional power metering function module

Specification

CRC Row-Based Air Conditioner (Chilled water)		
Indoor unit model	CRC0030	CRC0060
Air supply	Front air supply	
Performance parameter		
Cooling capacity (kW)	30	60
Sensible capacity (kW)	30	60
Rated voltage/HZ	220V 1Ph~50Hz	380V 3Ph~50Hz
Max. operation current FLA (A)	17.5	13.0
Fan type	EC centrifugal fan	
Fan QTY	6	2
Circulating air volume (m ³ /h)	5000	11500
Heating capacity (kW)	3	6
Humidification (kg/h)	1.5	3
Connecting pipe size(30m)		
Water inlet pipe size (mm)	DN25	DN32
Water outlet pipe size (mm)	DN25	DN32
Humidification inlet pipe (Internal thread)	G3/4"	
Water pump drain pipe (mm)	ID12	
Natural drain pipe (mm)	ID16*OD24	
Unit dimension and weight		
Dimension-W (mm)	300	600
Dimension-D (mm)	1200	
Dimension-H (mm)	2000	
Weight (kg)	165	205
Electronic element specification		
Air switch recommended (A)	40	25
Cable size (mm ²)	6	4

- Note:
- Standard working conditions are indoor return air temperature 37°C, RH 24%, inlet/outlet water temperature 10/15°C.
 - The above table is only part of the parameters, and specific configuration is subject to the nameplate.

CRF Row-Based Aircon (Refrigerant pump)

Introduction

CRF Row-Based Air Conditioner (refrigerant pump) can use atmospheric natural cold source for cooling computer room. It is installed close to the heat source, shorten the flow path of cold air, and accurately process the sensible heat generated by the server. It is an ideal choice for green and energy-saving data centers and all kinds of electronic equipment rooms.

Application scenarios: Small and medium-sized data centers, modular data centers, cabinet cold (hot) aisle transformation, medium and high thermal density communication equipment and computer rooms, etc.

Picture



Core Advantages

- ◆ Key components are selected from well-known brand
- ◆ Full EC inverter design, automatic adjustment of cooling capacity and air volume output
- ◆ Wet film humidifier, saving 99% of humidification energy
- ◆ "Linear shape or U shape" evaporator, large area, small resistance
- ◆ High return air temperature design, energy efficiency significantly improved
- ◆ Three operating modes, automatic switching, real-time adjustment
- ◆ Pump cabinet system series design, high integration, more energy saving unit
- ◆ The pump cabinet is integrated on the outdoor side, without requiring additional space for placement
- ◆ Integrated efficient energy-saving algorithm, support group control, rotation, cascade

Specification

CRF Row-Based Air Conditioner (Refrigerant pump)			
Indoor unit model	CRF3025	CRF3040	CRF3060
Main power supply	380V 3Ph~50Hz		
Air supply	Front air supply		
Performance parameter			
Cooling capacity (kW)	25	40	60
Sensible capacity (kW)	25	40	60
Max. operation current FLA (A)	37	48.2	57.2
Compressor QTY	1		
Fan type	EC centrifugal fan		
Fan QTY	6	2	3
Circulating air volume (m³/h)	5000	8000	12000
Heating capacity (kW)	3	6	9
Humidification (kg/h)	1.5	3	4.5
Connecting pipe size (30m)			
Liquid pipe (mm)	16		
Gas pipe (mm)	22		
Humidification inlet pipe (Internal thread)	G3/4"		
Water pump drain pipe (mm)	ID12*OD16		
Natural drain pipe (mm)	ID16*OD24		
Unit dimension and weight			
Dimension-W (mm)	300	600	600
Dimension-D (mm)	1200		
Dimension-H (mm)	2000		
Weight (kg)	210	250	310
Outdoor unit performance parameter(40°C)			
Flat-plate outdoor unit model	CMT038SP	CMT055SP	CMT088SP
Outdoor unit performance parameter(45°C)			
Centralized outdoor unit model	CMT044FP	CMT066FP	CMT099FP
Electronic element specification			
Air switch recommended (A)	40	63	63
Indoor power cable diameter (mm²)	4*6.0+1*6.0	4*16+1*16	4*16+1*16
Outdoor power cable diameter (mm²)	4*1.5+1*1.5		

Note:
 1. Standard working conditions: indoor return air temperature 37°C, RH 24%, air cooled outdoor ambient temperature 35°C, ESP=10Pa;
 2. Only cooling + electric heating or constant temperature and humidity type can be selected. The maximum working current and the recommended air switch are configured according to the constant temperature and humidity unit.
 3. The above table is only part of the parameters, and the specific configuration is subject to the name plate. If you want to choose a pump cabinet or know more details, please contact us.

CDA Rack Aircon

Introduction

CDA Rack Air Conditioner is a cabinet level temperature control product specially designed for high thermal density data centers. Placed close to the heat source on the cabinet rack, it can accurately process the high sensible heat generated by the servers in the cabinet, effectively prevent local hot spots, and help green data centers to develop continuously.

Application scenarios: all kinds of small and micro / distributed computer rooms, data centers, modular data centers, IT cabinets for blade servers, medium and high thermal density communication equipment and computer rooms, etc.

Picture



Core Advantages

- ◆ The height of the 5kW model is only 5U, saving the available space in the cabinet
- ◆ Supports temperature sensing management at the top of the cabinet to prevent local hot spots
- ◆ Multiple drainage and anti-flooding design to prevent cabinet flooding
- ◆ Intelligent self-detection of refrigerant capacity and intelligent warning
- ◆ High efficiency inverter compressor, super precise PID control technology
- ◆ Electronic expansion valve enables smooth adjustment of throttle
- ◆ Opening EC centrifugal fan, adjust air volume output ratio in real time as required
- ◆ Extremely wide network adaption, which can meet ± 20% voltage range

Specification

CDA Rack Aircon	CDA0004	CDA0005	CDA0008	CDA0013	CDA0004	CDA0005	CDA0008
Indoor unit model							
Dimension-D (mm)	760				400		
Main power supply	220V/1Ph~50Hz						
Air supply	Three side air supply						
Unit performance parameter							
Cooling capacity (kW)	3.5	5	7.5	12.5	3.5	5	7.5
Sensible capacity (kW)	3.5	5	7.5	12.5	3.5	5	7.5
Max. operation current FLA (A)	11.5	16.5	20.0	35	11.5	16.5	20
Compressor QTY	1						
Fan type	EC centrifugal fan						
Fan QTY	2	2	1	2	1	1	2
Circulating air volume (m³/h)	800	1100	1650	2200	800	1100	1650
Heating capacity (kW)	1	1	1	2	1	1	1
Humidification (kg/h)	1	1	1.5	3	\	\	\
Connecting pipe size							
Liquid pipe (mm)	9.52	9.52	12.7	12.7	9.52	9.52	12.7
Gas pipe (mm)	15.88	15.88	19.05	19.05	15.88	15.88	19.05
Humidification inlet pipe (Internal thread)	OD20*G3/4"						
Water pump drain pipe(mm)	PU pipel D 5*OD8						
Natural drain pipe(mm)	Silicone hoses ID10*OD14						
Unit dimension and weight							
Dimension-W (mm)	443	443	443	443	444	444	444
Dimension-D (mm)	715	715	715	715	395	395	395
Dimension-H (mm)	218	218	351	440	352	352	529
Weight (kg)	27	28	36	42	25	26	36
Outdoor unit performance parameter							
Outdoor unit model	CDT005SP	CDT007SP	CDT010SP	CDT016SP	CDT005SP	CDT007SP	CDT010SP
Dimension-W (mm)	794	794	1045	1045	794	794	1045
Dimension-D (mm)	310	310	431	431	310	310	431
Dimension-H (mm)	537	537	760	1375	537	537	760
Weight (kg)	30	34	60	85	30	34	60
Electronic element specification							
Air switch recommended (A)	16	25	25	40	16	25	25
Indoor power cable diameter	(L, N, PE) 3×2.5	(L, N, PE) 3×2.5	(L, N, PE) 3×4	(L, N, PE) 3×6	(L, N, PE) 3×2.5	(L, N, PE) 3×2.5	(L, N, PE) 3×4
Outdoor power cable diameter	(L, N, PE) 3×1.5	(L, N, PE) 3×2.5	(L, N, PE) 3×2.5	(L, N, PE) 3×4	(L, N, PE) 3×1.5	(L, N, PE) 3×2.5	(L, N, PE) 3×2.5

Note:
 1. Standard working conditions: indoor environment 35°C, wet bulb temperature 20°C, outdoor environment temperature 35°C;
 2. 760 depth indoor unit can choose only cooling + electric heating or constant temperature and humidity type, 400 depth indoor unit can choose only cooling + electric heating type, the maximum working current and recommended air switch according to the constant temperature and humidity unit configuration;
 3. 760 depth rack air conditioner for cabinets with a depth of 1000mm to 1400mm; Rack air conditioners with a depth of 400 mm are suitable for cabinets with a depth of 600mm to 800mm.
 4. The table above is only part of the parameters, the specific configuration is subject to the nameplate.

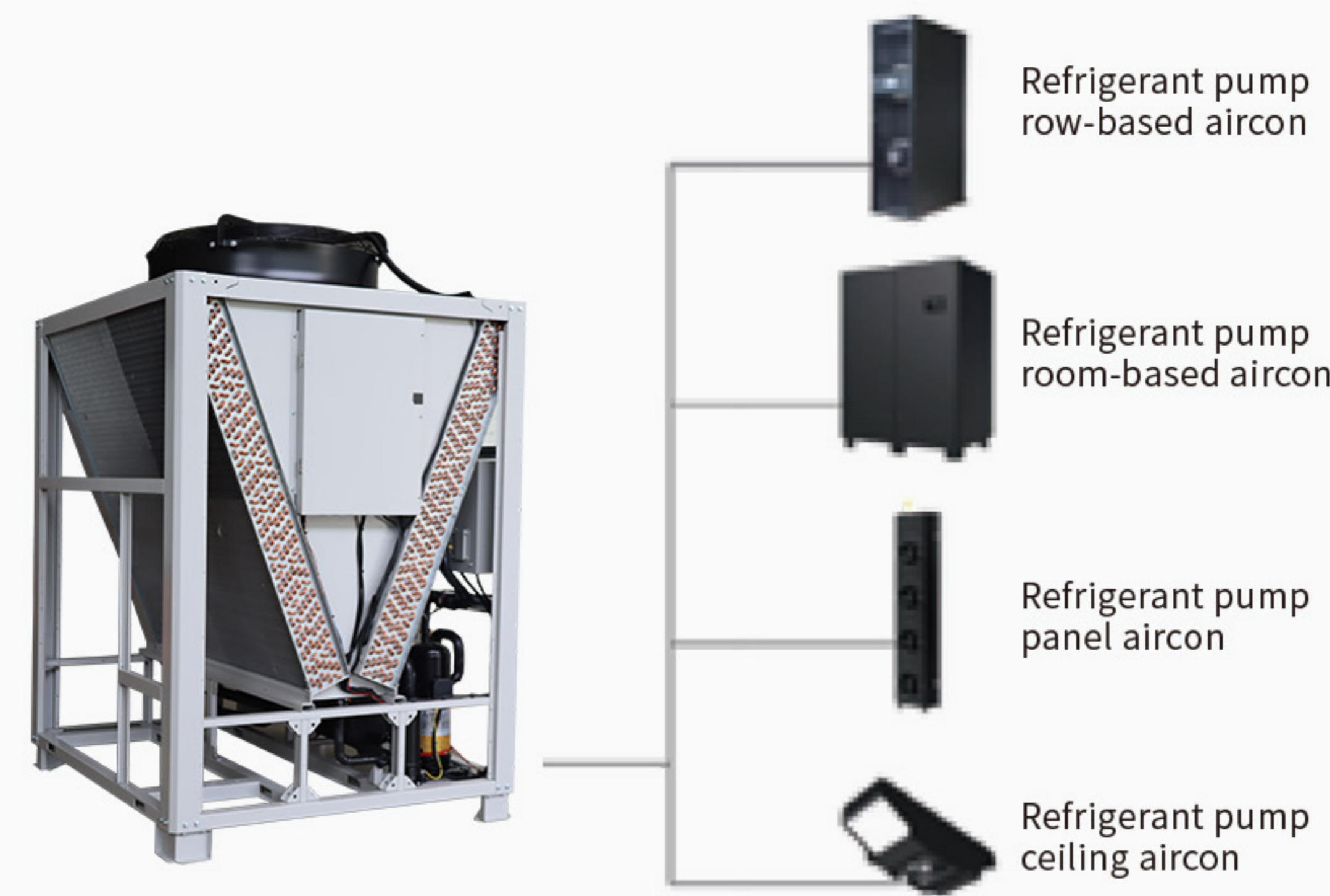
VRM Refrigerant Pump Multi-split Aircon

Introduction

Refrigerant Pump Multi-split Air Conditioner continues the feature of row-based air conditioner that is close to heat source and precise refrigeration, as well as the features of refrigerant pump air conditioner with free natural cold source. It adopts the idea of modularization and multi-connection to realize one main machine with multiple terminals, which makes the temperature control management of the user's computer room more systematic and intelligent.

Application scenarios: Small and medium-sized data centers, modular data centers, cabinet cold (hot) aisle transformation, medium and high thermal density communication equipment and computer rooms, etc.

Picture



Core Advantages

- ◆ Full EC inverter system design
- ◆ AEER up to 16.0
- ◆ Refrigerant pump, mechanical, mixed three refrigeration modes, intelligent switch
- ◆ System scheme, precise distribution of cold supply according to each room area
- ◆ Indoor unit can meet 380V±15% power supply
- ◆ Outdoor unit modular design, seamless splicing, multiple expansion
- ◆ The seismic design of the system meets the requirements of 9 intensity
- ◆ The unit area bearing capacity of an outdoor unit is less than 800kg
- ◆ System security level: international T3 standard

Specification

Refrigerant Pump Multi-split Aircon—Outdoor unit		
Model	CMT060	CMT100
Performance parameter		
Cooling capacity (kW)	60	100
Dimension and weight		
W*D*H (mm)	1300*1800*2650	1300*2600*2650
NW (kg)	845	1300
Electrical parameters		
Power supply	380V/3Ph/50Hz	380V/3Ph/50Hz
Max. operation current-A	50	85
Key component		
Compressor	Inverter compressor	
Fan	EC Axial flow fan	
EXV	EXV	
Refrigerant heat exchanger	Plate heat exchanger	
Refrigerant pump	Inverter refrigerant pump	
Note:		
1. Standard working conditions: indoor return air temperature 37°C, RH 24%, outdoor environment temperature 35°C.		
2. If the design conditions are inconsistent with the above parameters or there are other special requirements, please contact us.		

VRM refrigerant pump dual circulation multi air conditioner—room-based refrigerant pump indoor unit				
Model	CMF0030	CMF0060	CMF0080	CMF0100
Cooling capacity (kW)	30.0	60.0	80.0	100.0
Circulating air volume (m³/h)	8000	16000	22000	26000
Dimension and weight				
W*D*H (mm)	780*996*1975	1130*996*1975	1830*996*1975	1830*996*1975
Weight (kg)	263	328	448	468
Electrical parameters				
Power supply	380V 3Ph~50Hz	380V 3Ph~50Hz	380V 3Ph~50Hz	380V 3Ph~50Hz
Max. operation current-A	6.0	10.0	11.0	17.0
Key component				
Fan	EC Fan			
EXV	EXV			
Refrigerant	R410A			
Note:				
1. Standard working conditions: indoor return air temperature 37°C, relative humidity 24%RH, outdoor environment temperature 35°C.				
2. If the design conditions are inconsistent with the above parameters or there are other special requirements, please contact us.				

VRM refrigerant pump dual circulation multi air conditioner—row-based refrigerant pump indoor unit		
Model	CRF0020	CRF0040
Cooling capacity (kW)	20.0	40.0
Circulating air volume (m³/h)	4500	9000
Dimension and weight		
W*D*H (mm)	300*1200*2000/2200	600*1200*2000/2200
Weight (kg)	195	260
Electrical parameters		
Power supply	220V 1Ph~50Hz	380V 3Ph~50Hz
Max. operation current-A	16.0	11.0
Key component		
Fan	EC Fan	
EXV	EXV	
Refrigerant	R410A	
Note:		
1. Standard working conditions: indoor return air temperature 37°C, relative humidity 24%RH, outdoor environment temperature 35°C.		
2. If the design conditions are inconsistent with the above parameters or there are other special requirements, please contact us.		

VRM refrigerant pump dual circulation multi air conditioner—overhead refrigerant pump indoor unit		
Model	CNH0020	CNH0020
Cooling capacity (kW)	20.0	40.0
Circulating air volume (m³/h)	4500	9000
Dimension and weight		
W*D*H (mm)	1000*1000*900	1000*1000*900
Weight (kg)	90	125
Electrical parameters		
Power supply	380V 3Ph~50Hz	380V 3Ph~50Hz
Max. operation current-A	4.0	6.0
Key component		
Fan	EC Fan	
EXV	EXV	
Refrigerant	R410A	
Note:		
1. Standard working conditions: indoor return air temperature 37°C, relative humidity 24%RH, outdoor environment temperature 35°C.		
2. If the design conditions are inconsistent with the above parameters or there are other special requirements, please contact us.		