

NINGBO AUX ELECTRIC CO.,LTD

Add: No.1166 North Mingguang Road, Jiangshan, Ningbo, Zhejiang, P.R.China

Tel: +86-574-88220564

The above designs and specifications are subject to change without prior notice. Final specifications please refer to latest technical specification provided by sales representative.



Official Accounts

AUX



2021 MODULAR CHILLER & FCU



AUX

Technology Leads Intelligent life

GROUP PROFILE

Established in 1986, AUX Group is an enterprise group which covers several industries: home appliances, electrical equipment, medical service, real estate and financial investment. For many years it ranked China's top 500 enterprises.

In 2019, the group sales reached RMB 73.5 billion, with total assets of RMB 61.8 billion. It has over 30,000 employees, and 10 manufacturing bases in Ningbo(3), Nanchang, Tianjin, Ma'anshan, Zhengzhou (under construction), Brazil, Indonesia and Thailand, 5 R & D centers. AUX is a leading producer of Smart Meter and Power Box in its sector, and has also ranked No.3 in the Air-Conditioning industry. Currently, it has 24 medical institutions.

It owns 2 listed companies (601567.SH, 02080.HK). As a National-Recognized Enterprise Technology Center, a Technology Innovation Model Enterprise, National Intellectual Property Demonstration Enterprise and a National Post-doctoral Workstation, it owns two globally famous brands: AUX and Sanxing, which worth over RMB 32 billion.

When AUX is working on its development, it also cares about performing its social responsibilities. In the past years, it has donated RMB 298 million in total to various public programs, such as the field of targeted poverty alleviation, education, disaster relief and environment protection.

In the new era, aiming to become a world-class enterprise, AUX will keep carrying out the mission of "Creating an intelligent living environment and Cultivating great talents", and work hard to achieve the strategic goal of "100 billion market value, 100 billion sales and 10 billion profits".

2019

Launched 30KW H type Modular Chiller

2016

Launched 65KW H type Rotary Modular Chiller

2011

Launched Air cooled Modular Chiller

2007

Launched Mini Air cooled Chiller

2004

Got CNAS Certificate

2001

Entered The CAC Field

1994

Started RAC Business

1986

Established AUX Group

Health



Fresh Air Intake

Air outside can be led into the room via a connection pipe, which keeps the indoor air fresh and healthy.



Long-term Filter

The latest long-term filter ensures better air quality. Meanwhile, the cleaning frequency has been decreased, and maintenance is also much easier.

Comfort



Anti-Cold-Air

When starting the heating operation, the fan speed is regulated automatically from the lowest speed to the preset level. This function can prevent cold air from blowing out at the beginning of the operation, which avoids the discomfort to the user.



Follow Me

Temperature sensor built in the remote control will sense its surrounding temperature, so the unit can achieve accurate and comfortable temperature control just like the air conditioner is following you.



Fast Cooling /Heating

Startup at high frequency increases cooling/heating capacity and reduces time to reach set temperature, thus you can enjoy cooling and heating in seconds.



Auto swing

Distributes cool/warm air to maximum area by moving horizontal and vertical fags automatically.



Independent Dehumidification

With the independent dehumidification function, the unit can efficiently dehumidify the room and give you more comfort.



3D Air Flow

Combine vertical and horizontal auto swing to ensure an even distribution of air flow throughout the room.



Dimmer

Press this button to shut off the display light on the front panel.



Silent

Indoor fan will run at super breeze speed and indoor noise level can be extremely low when the unit enters silent mode operation.

Reliability



Self-diagnosis Function

Once abnormal operation or parts failure happen, the unit will monitor the failures, the microcomputer of air conditioner will switch off and protect the system automatically when it happens. Meanwhile, the error or protection code will be displayed on the indoor unit.



Low Ambient Cooling

With special designed PCB, outdoor fan speed can be changed automatically according to condensation temperature. The air conditioner can run cooling operation even when the outdoor ambient temperature down to -15°C.



Intelligent Defrosting

Normal defrost function can only be operated in certain time, but AUX commercial air conditioner's intelligent defrost can start automatically according to the surrounding condition.



Compressor Heating Belt

Auxiliary heating belt can increase compressor oil temperature in winter and prevent defrosting water accumulated, which improves heat transfer efficiency.



No Frosting Chassis

The unique pipeline design makes the temperature on chassis higher than normal units, and it prevents defrosting water accumulated, which improves heat transfer efficiency and solves the drainage problem.



Golden Fin

Effectively prevent bacteria breeding and improve heat transfer efficiency. The unique anti-corrosive golden coating on the condenser can withstand the rain, salty air and other corrosive elements.



Fire-proof Electric Box

Electrical control box adopts new design, which can meet the higher fire safety requirement to prevent the internal fire due to the electric spark accident.

Energy Saving



180° Sine Wave Control

With considerable advantages, DC Inverter 180° sine wave driving technology has much wider range of frequency and voltage, higher energy efficiency, more smooth running and lower noise.



Sleep Mode

The function enables the air conditioner to automatically increase cooling or decrease heating 1°C per hour for the first 2 hours, then holds steady for the next 5 hours, after that it will switch off. This function maintains both energy saving and comfort in night.



Hydrophilic aluminum fin

The louvered hydrophilic aluminum foil has improved by more than 10%. There refrigerant inlet and outlet are separated, to ensure the sub-cooling and enhance the cooling capacity.

Convenience



24-hour Timer

Users can turn on or turn off the air conditioner at any time in 24 hours with remote controller or wireless controller.



Built-in Drain Pump

The built-in pump can lift the condensing water 1200 mm upmost from the drainage pan.



Dual side Drainage

Both left and right sides of the indoor unit are possible for drainage hose connection, and it's easy for installation with this function.



Digital Tube Display

Easily for the running parameters checking and more convenient for troubleshooting, digital tube displays work status such as indoor temperature, setting temperature, the mode of operation, etc.



Remote Control

Help users to control the air conditioner easily, you can design your most comfortable settings with this controller.



Wired Control

Help users to control the air conditioner easily, the wired controller can be fixed on the wall and avoid mislaying. It's mainly used for commercial zone and makes air conditioner control more convenient.



Central Control

With the control function of weekly timer, zone (or group) setting etc., the centralized controller can control 64 units with RS 485 wire connection and the central conditioner control more convenient.



Washable Filter

The indoor unit filter can be taken off to wash easily and it keeps cleaning air all the time.



Auto Restart Function

If the air conditioner breaks off unexpectedly due to the power cut, it will restart with the previous setting mode automatically when the power resume.

Nomenclature

Chiller

A C - MH - C 240 / 5 R3 H

- AUX
- Chiller
- Chiller Type:
MH: Air-Cooled Modular (H Type)
- H: Cooling & Heating
- C: Cooling Only
- Normal Type Omitted
- Refrigerant Type:
R1: R410A
R3: R134a
R22 Omitted
- Power Supply:
4: 220-240V~, 1Ph, 50Hz
5: 380-415V~, 3Ph, 50Hz
- Cooling Capacity (kW)
- 240
- 5
- R3
- H: High Efficiency Type

FCU

A FC - 220 HC L 3 / 4 D A

- AUX
- Fan Coil Unit
- Air Flow Volume (CFM)
- FCU Type:
HC: Horizontal Concealed
CA: Cassette
WM: Wall-mounted
- FC: Ceiling&Floor
- C1: One-way Cassette
- 3: 3 Rows 2: Omitted
- 4: 220-240V~, 1Ph, 50Hz
- Power Supply:
2: 208-230V~, 1Ph, 60Hz
- L: Left type
No left or right Omitted
- R: Right type
- D: Down
- A: Design Series Code

Product Lineup

Modular Chiller



H Type
65/130kW



H Type
30kW

FCU	Appearance	Type	200CFM	300CFM	400CFM	500CFM	600CFM	800CFM	1000CFM	1200CFM	1400CFM	Page
Cassette		50HZ		●	●	●	●	●	●	●	●	12
Ceiling&Floor		50HZ			●	●	●	●	●			15
Horizontal Concealed		50HZ (A6 Series)	●	●	●	●	●	●	●	●	●	18
		50HZ (A6M Series)	●	●	●	●	●	●	●	●	●	18
Wall-mounted		50HZ	●	●	●	●	●	●				22

H Type Modular Chiller

Modular Chiller



H Type Modular Chiller

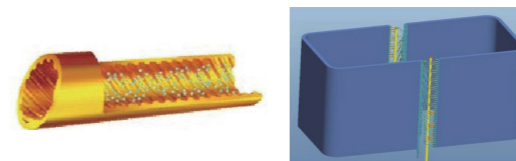


XK-02D



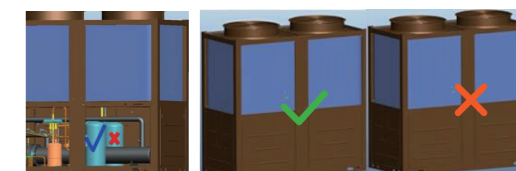
High Efficient Round Heat Exchanger

We selected high slimmer inner grooved copper tube in the modular chiller, which has improved more than 10% heat exchanging efficiency than the normal one.



Back-Up Running

As one of outdoor units breaks down, the rest of outdoor units in the same refrigerant system can turn to operation urgently.



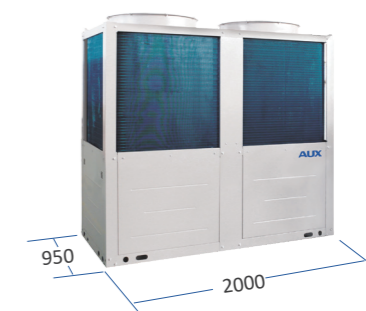
Modular Design

Any modular can be the main module in one combination. Different standard models can be flexibly combined together depend on users' requirement, and the maximum number of combinations system can reach 16.



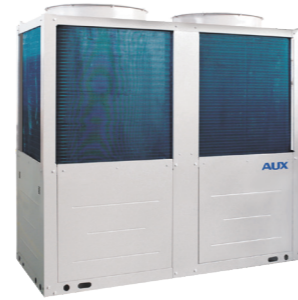
Compact Design

H type design takes less space.



Modular Chiller

H Type Modular Chiller



Specification-R410A 50Hz

Model name	Outdoor		ACMH-H30/5R1B	ACMH-H65/5R1A	ACMH-H65/5R1B	ACMH-H130/5R1A
Capacity	Cooling/Heating	Btu/h	100000/110000	222000/242000	222000/242000	443600/484500
		kW	30/33	65/71	65/71	130/142
Electric Data	Power Supply	V-, Hz, Ph	380~415, 50, 3	380~415, 50, 3	380~415, 50, 3	380~415, 50, 3
	Cooling/Heating Power Input	kW	9.40/10	19.2/21.5	19.2/21.5	38.4/40.5
	Cooling/Heating Current	A	17.7/18.0	36.3/38.9	36.3/38.9	72.6/73.3
Compressor	Type		Rotary	Hermetic Scroll	Rotary	Hermetic Scroll
	Quantity	Pieces	2	2	4	2
Refrigerant Type			R410a	R410A	R410A	R410A
Air Side Heat Exchanger	Type		High efficiency heat transfer tube series aluminum fin	High efficiency heat transfer tube series aluminum fin	High efficiency heat transfer tube series aluminum fin	High efficiency heat transfer tube series aluminum fin
	Fan Quantity	Pieces	1	2	2	2
	Air Flow Volume	m³/h	13500	13500×2	13500×2	27000×2
Water Side Heat Exchanger	Type		High-efficiency tube in tube heat exchanger	High-efficiency shell and tube heat exchanger	High-efficiency shell and tube heat exchanger	High-efficiency shell and tube heat exchanger
	Water Resistance	kPa	45	45	45	55
	Water Flow Volume	m³/h	5.2	11.2	11.2	22.4
	Max. Pressure	MPa	1	1	1	1
Dimension (W×D×H)	Net	mm	1000×950×1880	2000×950×1880	2000×950×1880	2200×1100×2270
	Packing	mm	1050×1000×1980	2050×1000×1980	2050×1000×1980	2250×1150×2370
Weight	Net/Gross	kg	310/325	580/595	625/640	945/965
Inlet/Outlet Water Pipe		mm	DN32	DN50	DN50	DN65
Noise		dB(A)	≤65	≤65	≤65	≤68
Safety Protection			High-efficiency shell and tube heat exchanger High/low pressure protection, lack/reverse phase protection, water lack protection, water flow protection, anti-freezing protection, etc.			

Note:

All the above data is tested base on the following working condition:

1. Rated cooling working condition: water flow 0.172 m³/(h·kW), chilled water inlet/outlet temperature 12°C /7°C, ambient temperature 35°C;

2. Rated heating working condition: water flow 0.172 m³/(h·kW), hot water inlet/outlet temperature 40°C /45°C, ambient temperature 7°C, WB temperature 6°C;

3. Keep 1m away from the chiller front and 1.5m high when detecting noise level, environmental noise is lower than 30db(A);

As a part of continuous product improvement, we reserves the right to change specifications without notice.

Cooling Capacity, Power Under Different Ambient and Water Outlet Temperature

ACMH-H30/5R1B Cooling capacity and power in cooling mode

Chilled water outlet temperature (°C)	Ambient Temperature(°C)											
	25		30		35		40		47		49	
	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW
5	33.68	8.35	31.62	8.61	29.19	8.73	28.36	10.53	27.01	11.52	26.74	11.63
7	34.95	8.44	33.41	9.14	30	9.4	29.92	10.69	28.5	11.7	28.22	11.82
10	37.13	8.54	35.46	9.21	33.38	10.37	31.64	10.81	30.13	11.83	29.83	11.94
13	38.43	8.63	36.4	9.35	34.66	10.67	33.07	10.92	31.49	11.95	31.18	12.06

ACMH-H65/5R1* Cooling capacity and power in cooling mode

Chilled water outlet temperature (°C)	Ambient Temperature(°C)											
	25		30		35		40		47		49	
	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW
5	66.53	15.42	63.18	16.8	60	18.32	56.98	19.97	54.11	21.76	53.29	22.27
7	69.85	15.57	66.34	16.97	65	19.2	59.83	20.37	56.82	21.98	56.14	22.66
10	73.35	15.73	69.66	17.14	66.15	19.84	62.82	20.49	59.66	22.53	59.13	22.78
13	77.02	15.88	73.14	17.31	69.46	20.02	65.96	20.75	62.64	22.82	58.95	23.06

ACMH-H130/5R1A Cooling capacity and power in cooling mode

Chilled water outlet temperature (°C)	Ambient Temperature(°C)											
	25		30		35		40		47		49	
	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW	Cooling capacity kW	Power consumption kW
5	133.06	30.83	126.36	33.61	123	36.63	113.96	39.93	108.22	43.52	106.58	44.01
7	139.71	31.14	132.68	33.94	130	38.4	119.66	40.33	113.64	43.96	112.28	44.95
10	146.7	31.45	139.31	34.28	132.3	38.57	125.64	40.73	119.32	44.4	118.26	45.36
13	154.03	31.77	146.28	34.63	138.92	39.74	131.92	41.14	125.28	44.84	125.54	45.77

Note:

As a part of continuous product improvement, AUX reserves the right to change specifications and design without prior notice. The specification subjects to the nameplate of the chiller

Heating capacity, Power Under Different Ambient and Water Outlet Temperature

ACMH-H30/5R1B Heating capacity and power in heating mode (RH is 90%)

Hot water outlet temperature (°C)	Outdoor DB temperature(°C)									
	-12		-5		0		7		12	
	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW
35	---	---	22.17	10.41	27.46	10.59	33.5	10.86	39.62	11.04
40	---	---	22.89	9.56	28.28	9.69	33	10	40.75	10.14
45	19.22	8.52	23.73	8.72	29.22	8.9	35.92	9.19	42.01	9.29
50	19.79	7.94	24.36	8.13	30.11	8.19	36.71	8.42	43.28	8.66

ACMH-H65/5R1* Heating capacity and power in heating mode (RH is 90%)

Hot water outlet temperature (°C)	Outdoor DB temperature(°C)									
	-12		-5		0		7		12	
	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW
35	39.38	17.17	48.62	17.5	60.03	17.84	73.2	18.18	86.38	18.53
40	38.24	18.58	47.2	18.94	58.28	19.3	72.07	19.68	83.86	20.05
45	---	---	45.83	20.5	56.58	20.89	71	21.5	81.42	21.71
50	---	---	44.49	22.19	54.93	22.62	66.99	23.07	79.05	23.51

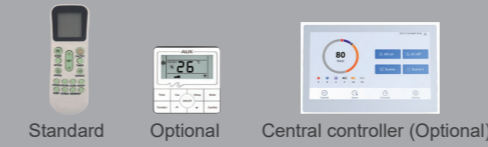
ACMH-H130/5R1A Heating capacity and power in heating mode (RH is 90%)

Hot water outlet temperature (°C)	Outdoor DB temperature(°C)									
	-12		-5		0		7		12	
	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW	Heating capacity kW	Power consumption kW
35	79.34	31.42	97.95	32.08	120.92	33.76	147.47	34.45	174.01	35.14
40	77.03	34.24	95.09	35.96	117.4	36.7	143.17	37.44	168.94	38.19
45	---	---	92.32	37.59	113.98	38.89	140	40.5	164.02	41.51
50	---	---	89.63	40.89	110.66	41.35	134.95	43.24	159.24	45.12

Note:
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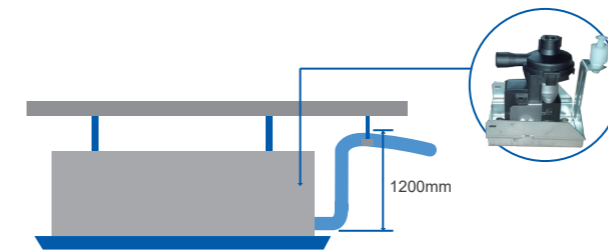
Fan Coil Unit

Cassette



Built-In Water Drainage Pump

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.



Optional Air Outlet Panel (Round Flow/Four-way Cassette)



Four-way Cassette

Round Flow Cassette

Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



Optimized Electric Box

Better fire-proof and easy to maintenance.



Cassette



Specification-50Hz

Model		AFC-300CA/4BA	AFC-400CA/4BA	AFC-500CA/4BA	AFC-600CA/4BA
Air Volume(H/M/L)	CFM	300/259/212	400/341/282	500/429/353	600/450/300
	m ³ /h	510/440/360	680/580/480	850/730/600	1020/765/510
Cooling Capacity	H/M/L Speed W	3300/2840/2380	3900/3350/2810	4500/3600/3060	5406/4595/3514
Heating Capacity	H/M/L Speed W	4800/4200/3700	5800/5100/4500	6750/5940/5200	8115/6898/5275
Noise Level	dB(A)	≤39	≤42	≤45	≤45
Fan Motor	Fan Quantity	1	1	1	1
	Motor Quantity	1	1	1	1
	Power Input W	55	62	76	96
Water Flow Volume	m ³ /h	0.62	0.70	0.94	1.15
Hydraulic Resistance	kPa	26	27	29	31
Max.Working pressure	MPa	1.6	1.6	1.6	1.6
Dimension (WxDxH)	Net(Body) mm	570×570×260	570×570×260	570×570×260	835×835×250
	Packing(Body) mm	655×655×295	655×655×295	655×655×295	910×910×310
	Net(Panel) mm	650×650×55	650×650×55	650×650×55	950×950×55
	Packing(Panel) mm	710×710×80	710×710×80	710×710×80	1000×1000×100
Weight	Net/Gross(Body) kg	18/20.3	18/20.3	18/20.3	24.5/28
	Net/Gross(Panel) kg	2.2/3.7	2.2/3.7	2.2/3.7	5.3/7.8
Inlet/Outlet Water Pipe			Rc3/4"(DN20)		
Drain Pipe			R3/4"(DN20)		
Stuffing Quantity(20/40/40H)		181/362/414	181/362/414	181/362/414	79/170/182

Specification-50Hz

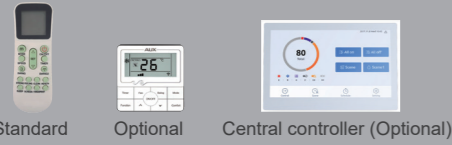
Model		AFC-800CA/4BA	AFC-1000CA/4BA	AFC-1200CA/4BA	AFC-1400CA/4BA
Air Volume(H/M/L)	CFM	800/600/400	1000/750/500	1200/900/600	1400/1050/700
	m ³ /h	1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190
Cooling Capacity	H/M/L Speed W	7210/6129/4687	9018/7665/5862	10810/9189/7027	12600/10719/8197
Heating Capacity	H/M/L Speed W	10807/9186/7025	13512/11485/8783	16205/13774/10553	18900/16066/12286
Noise Level	dB(A)	≤46	≤48	≤50	≤52
Fan Motor	Fan Quantity	1	1	1	1
	Motor Quantity	1	1	1	1
	Power Input W	134	165	189	225
Water Flow Volume	m ³ /h	1.4	1.68	1.82	2.25
Hydraulic Resistance	kPa	34	36	39	42
Max.Working pressure	MPa	1.6	1.6	1.6	1.6
Dimension (WxDxH)	Net(Body) mm	835×835×250	835×835×290	835×835×290	835×835×290
	Packing(Body) mm	910×910×310	910×910×350	910×910×350	910×910×350
	Net(Panel) mm	950×950×55	950×950×55	950×950×55	950×950×55
	Packing(Panel) mm	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body) kg	25.5/29	26.5/31	28/32.5	28/32.5
	Net/Gross(Panel) kg	5.3/7.8	5.3/7.8	5.3/7.8	5.3/7.8
Inlet/Outlet Water Pipe			Rc3/4"(DN20)		
Drain Pipe			R3/4"(DN20)		
Stuffing Quantity(20/40/40H)		79/170/182	74/156/172	74/156/172	74/156/172

Note:
 1. Cooling capacity test conditions: Air inlet Temp. : 27°C DB/19.5°C WB, Water inlet/outlet Temp. : 7°C/12°C ;
 2. Heating capacity test conditions: Air inlet Temp. : 21°C DB, Water inlet Temp. : 60°C ;
 3. Noise level is tested in full-anechoic room.



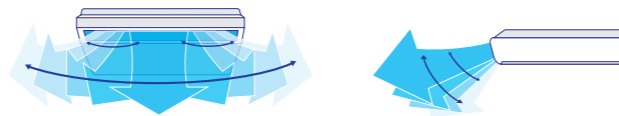
Ceiling & Floor Fan Coil Unit

Ceiling&Floor



3D Air Swing

Vertical and horizontal swing makes air below to every corner of the room.



Ultra Slim Design

The thickness is only 205mm, save installation space.



Innovative Centrifugal Fan

All units are equipped with 3-speed fan mode, adjusting the air flow rate in accordance with the ceiling height. Innovative centrifugal fan provides larger air volume but lower noise, making the air supply more quietly and smoothly.



Flexible Installation

Can be vertically installed against the wall or horizontally installed under the ceiling.



Ceiling&Floor

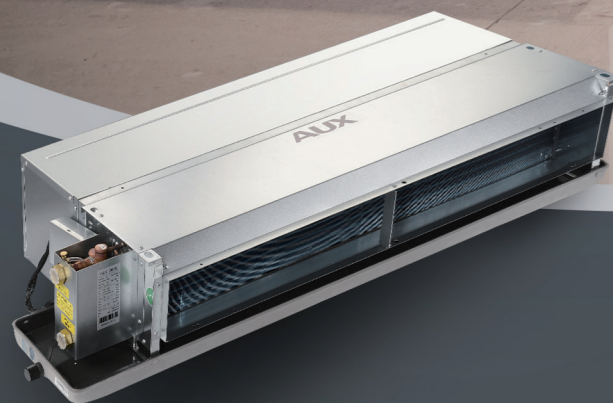


Specification-50Hz

Model		AFC-400CF/4B	AFC-500CF/4B	AFC-600CF/4B	AFC-800CF/4B	AFC-1000CF/4B
Air Volume(H/M/L)	CFM	400/300/200	500/375/250	600/450/300	800/600/400	1000/750/500
	m ³ /h	680/510/340	850/638/425	1020/765/510	1360/1020/680	1700/1275/850
Cooling Capacity	H/M/L Speed W	3600/3075/2352	4514/3837/2934	5406/4595/3514	7210/6129/4687	9000/7665/5862
Heating Capacity	H/M/L Speed W	5418/4605/3522	6767/5752/4399	8115/6898/5275	10807/9186/7025	13512/11485/8786
Noise Level	dB(A)	≤42	≤45	≤48	≤48	≤50
Fan Motor	Fan Quantity	2	2	3	3	4
	Motor Quantity	1	1	1	1	1
	Power Input W	78	93	117	190	230
Water Flow Volume	m ³ /h	0.62	0.80	0.98	1.25	1.58
Hydraulic Resistance	kPa	16	20	22	30	44
Max.Working pressure	MPa	1.6	1.6	1.6	1.6	1.6
Dimension (WxDxH)	Net(Body) mm	929×660×205	929×660×205	1280×660×205	1280×660×205	1631×660×205
	Packing(Panel) mm	1010×720×290	1010×720×290	1360×720×290	1360×720×290	1710×720×290
Weight	Net/Gross(Body) kg	24/27	25/28	30/35	33/38	44/50
Inlet/Outlet Water Pipe		Rc3/4"(DN20)				
Drain Pipe		R3/4"(DN20)				
Stuffing Quantity(20/40/40H)		143/297/329	143/297/329	103/211/236	103/211/236	103/211/236

Note:
 1. Cooling capacity test conditions: Air inlet Temp. : 27°C DB/19.5°C WB, Water inlet/outlet Temp. : 7°C /12°C ;
 2. Heating capacity test conditions: Air inlet Temp. : 21°C DB, Water inlet Temp. : 60°C ;
 3. Noise level is tested in full-anechoic room.

Horizontal Concealed Fan Coil Unit



Fan Coil Unit

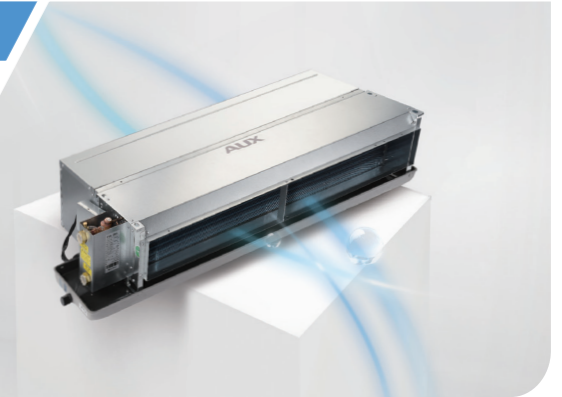
Horizontal Concealed



Temperature Controller



Central controller (Optional)



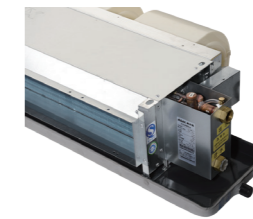
Return Air Plenum and Filter Air Standard

Back air return and down air return can be free choice, the long term air filter ensures better air quality.



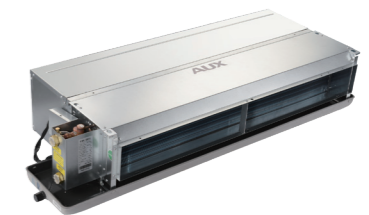
Pipe Connecting Direction Free Choice

Right connecting pipe is standard, and left connecting pipe is optional; Left and right drain pipe also can be free choice.



Adjustable ESP

There are two types ESP can be selected for each mode. Standard (30Pa) /Optional (12 Pa)



External Static Pressure

3 rows and metal fan wheel are standard for A6M series.



Horizontal Concealed FCU



Specification-50Hz A6 Series

Model	Left (Right)	AFC-200HCL(R)/4BA6	AFC-300HCL(R)/4BA6※	AFC-400HCL(R)/4BA6※	AFC-500HCL(R)/4BA6	AFC-600HCL(R)/4BA6※
Air Volume(H/M/L)	CFM	200/150/100	300/225/150	400/300/200	500/375/250	600/450/300
	m ³ /h	340/255/170	510/382/255	680/510/340	850/638/425	1020/765/510
Cooling Capacity	H/M/L Speed W	1800/1537/1175	2700/2305/1763	3600/3075/2352	4500/3837/2934	5400/4595/3514
	H/M/L Speed W	2700/2303/1761	4050/3460/2646	5400/4605/3522	6750/5752/4399	8100/6898/5275
External Static Pressure	Pa	Standard (30Pa) / Optional (12 Pa)				
Rows Of Coil		2	2	2	2	2
Noise Level	dB(A)	≤40	≤42	≤44	≤46	≤47
	Fan Quantity	1	2	2	2	2
Fan Motor	Motor Quantity	1	1	1	1	1
	Power Input W	44	59	72	87	108
Water Flow Volume	m ³ /h	0.35	0.61	0.8	0.95	1.08
Hydraulic Resistance	kPa	≤30	≤30	≤30	≤30	≤40
Max.Working pressure	MPa	1.6	1.6	1.6	1.6	1.6
Dimension(WxDxH)	Net mm	694×518×240	894×518×240	894×518×240	1039×518×240	1129×518×240
	Packing mm	715×260×545	915×260×545	915×260×545	1060×260×545	1150×260×545
Net/Gross Weight	kg	12.6/14.6	16.4/18.9	16.8/19.4	18.9/21.9	20.2/23.7
Inlet/Outlet Water Pipe		Rc3/4"(DN20)				
Drain Pipe		R3/4"(DN20)				
Stuffing Quantity(20/40/40H)		256/585/648	192/468/520	192/468/520	176/396/440	160/396/440

Specification-50Hz A6 Series

Model	Left (Right)	AFC-800HCR3/4BA6	AFC-1000HCR3/4BA6	AFC-1200HCR3/4BA6	AFC-1400HCR3/4BA6
Air Volume(H/M/L)	CFM	800/600/400	1000/750/500	1200/900/600	1400/1050/700
	m ³ /h	1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190
Cooling Capacity	H/M/L Speed W	7200/6129/4687	9000/7665/5862	10800/9189/7027	12600/10719/8197
	H/M/L Speed W	10800/9186/7025	13500/11485/8783	16200/13774/10533	18900/16066/12286
External Static Pressure	Pa	Standard (30Pa) / Optional (12 Pa)			
Rows Of Coil		3	3	3	3
Noise Level	dB(A)	≤48	≤50	≤52	≤54
	Fan Quantity	3	4	4	4
Fan Motor	Motor Quantity	1	1	1	1
	Power Input W	156	174	212	253
Water Flow Volume	m ³ /h	1.39	1.56	1.92	2.6
Hydraulic Resistance	kPa	≤40	≤40	≤40	≤50
Max.Working pressure	MPa	1.6	1.6	1.6	1.6
Dimension(WxDxH)	Net mm	1319×518×240	1619×518×240	1719×518×240	1909×518×240
	Packing mm	1340×260×545	1640×260×545	1740×260×545	1930×260×545
Net/Gross Weight	kg	26/30	31.3/35.8	33.4/38	35.6/41.1
Inlet/Outlet Water Pipe		Rc3/4"(DN20)			
Drain Pipe		R3/4"(DN20)			
Stuffing Quantity(20/40/40H)		144/306/340	117/260/290	117/252/280	108/216/240

Note:
 1. Cooling capacity test conditions: Air inlet Temp. : 27°C DB/19.5°C WB, Water inlet/outlet Temp. : 7°C /12°C ;
 2. Heating capacity test conditions: Air inlet Temp. : 21°C DB, Water inlet Temp. : 60°C ;
 3. External Static Pressure :50Pa is optional;
 4. Noise level is tested in full-anechoic room;
 5. ※Models had 3 Rows of coil can be choose.

Horizontal Concealed FCU



Specification-50Hz A6M Series (3 Rows Steel Fan)

Model	Left (Right)	AFC-200HCL(R)/4BA6M	AFC-300HCL(R)/4BA6M	AFC-400HCL(R)/4BA6M	AFC-500HCL(R)/4BA6M	AFC-600HCL(R)/4BA6M
Air Volume(H/M/L)	CFM	200/150/100	300/225/150	400/300/200	500/375/250	600/450/300
	m ³ /h	340/255/170	510/382/255	680/510/340	850/638/425	1020/765/510
Cooling Capacity	H/M/L Speed W	1800/1537/1175	2700/2305/1763	3600/3075/2352	4500/3837/2934	5400/4595/3514
	H/M/L Speed W	2700/2303/1761	4050/3460/2646	5400/4605/3522	6750/5752/4399	8100/6898/5275
External Static Pressure	Pa	Standard (30Pa) / Optional (12 Pa)				
Rows Of Coil		3	3	3	3	3
Noise Level	dB(A)	≤40	≤42	≤44	≤46	≤47
	Fan Quantity	1	2	2	2	2
Fan Motor	Motor Quantity	1	1	1	1	1
	Power Input W	44	59	72	87	108
Water Flow Volume	m ³ /h	0.35	0.61	0.8	0.95	1.08
Hydraulic Resistance	kPa	≤30	≤30	≤30	≤30	≤40
Max.Working pressure	MPa	1.6	1.6	1.6	1.6	1.6
Dimension(WxDxH)	Net mm	694×518×240	894×518×240	894×518×240	1039×518×240	1129×518×240
	Packing mm	715×260×545	915×260×545	915×260×545	1060×260×545	1150×260×545
Net/Gross Weight	kg	14.1/16.1	18.3/20.8	18.6/21.2	20.8/23.8	22.2/25.7
Inlet/Outlet Water Pipe		Rc3/4"(DN20)				
Drain Pipe		R3/4"(DN20)				
Stuffing Quantity(20/40/40H)		256/585/648	192/468/520	192/468/520	176/396/440	160/396/440

Specification-50Hz A6M Series (3 Rows Steel Fan)

Model	Left (Right)	AFC-800HCR3/4BA6M	AFC-1000HCR3/4BA6M	AFC-1200HCR3/4BA6M	AFC-1400HCR3/4BA6M
Air Volume(H/M/L)	CFM	800/600/400	1000/750/500	1200/900/600	1400/1050/700
	m ³ /h	1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190
Cooling Capacity	H/M/L Speed W	7200/6129/4687	9000/7665/5862	10800/9189/7027	12600/10719/8197
	H/M/L Speed W	10800/9186/7025	13500/11485/8783	16200/13774/10533	18900/16066/12286
External Static Pressure	Pa	Standard (30Pa) / Optional (12 Pa)			
Rows Of Coil		3	3	3	3
Noise Level	dB(A)	≤48	≤50	≤52	≤54
	Fan Quantity	3	4	4	4
Fan Motor	Motor Quantity	2	2	2	2
	Power Input W	156	174	212	253
Water Flow Volume	m ³ /h	1.4	1.7	2.0	2.3
Hydraulic Resistance	kPa	≤40	≤40	≤40	≤50
Max.Working pressure	MPa	1.6	1.6	1.6	1.6
Dimension(WxDxH)	Net mm	1319×518×240	1719×518×240	1719×518×240	1909×518×240
	Packing mm	1340×260×545	1740×260×545	1740×260×545	1930×260×545
Net/Gross Weight	kg	28.9/32.9	36.2/40.7	36.9/41.5	40.8/46.3
Inlet/Outlet Water Pipe		Rc3/4"(DN20)			
Drain Pipe		R3/4"(DN20)			
Stuffing Quantity(20/40/40H)		144/306/340	117/260/290	117/252/280	108/216/240

Note:
 1. Cooling capacity test conditions: Air inlet Temp. : 27°C DB/19.5°C WB, Water inlet/outlet Temp. : 7°C /12°C ;
 2. Heating capacity test conditions: Air inlet Temp. : 21°C DB, Water inlet Temp. : 60°C ;
 3. External Static Pressure :50Pa is optional;
 4. Noise level is tested in full-anechoic room.



Wall-mounted Fan Coil Unit

Fan Coil Unit

Wall-mounted



Standard



Central controller (Optional)



A Variety of Panels

A variety of panels can be chosen



LH



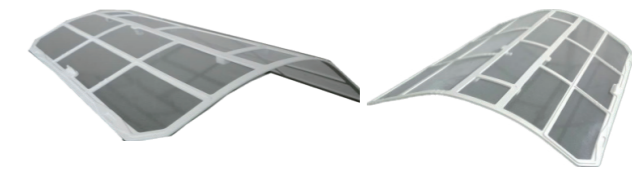
LI



LK

Long Term Washable Air Filter

The wash period is two times longer than normal filter.



Failure Automatic Detection

If there is a failure, the indicator will flash and the failure code will display on the wired controller, the failure cause is easier to be found.

Two Way Valve & Three Way Valve (Optional)



Two way valve



Three way valve

Wall-mounted



Specification-50Hz 4 Panels LH/LR/LK/LI

Model			AFC-200WM/4B(L*)	AFC-300WM/4B(L*)	AFC-400WM/4B(L*)
Air Volume	H/M/L Speed	CFM	200/150/100	300/225/150	400/300/200
		m ³ /h	340/255/170	510/383/255	680/510/340
Cooling Capacity	H/M/L Speed	W	1808/1537/1175	2712/2305/1763	3618/3075/2352
		W	2709/2303/1761	4070/3460/2646	5418/4605/3522
Heating Capacity	H/M/L Speed	W	2709/2303/1761	4070/3460/2646	5418/4605/3522
		W	2709/2303/1761	4070/3460/2646	5418/4605/3522
Noise Level		dB(A)	≤42	≤42	≤43
		dB(A)	≤42	≤42	≤43
Fan Motor	Fan Quantity		1	1	1
	Motor Quantity		1	1	1
	Power Input	W	52	52	62
Water Flow Volume		kg/h	350	610	800
Hydraulic Resistance		kPa	30	30	30
Max.Working pressure		MPa	1.6	1.6	1.6
Dimension (WxDxH)	Net	mm	850×300×198	850×300×198	850×300×198
	Packing	mm	920×370×282	920×370×282	920×370×282
Net/Gross Weight		kg	11/12.5	11/12.5	12.6/14.5
Inlet/Outlet Water Pipe				Rc1/2"(DN15)	
Drain Pipe				R1/2"(DN15)	
Stuffing Quantity(20/40/40H)			350/735/882	350/735/882	350/735/882

Specification-50Hz 4 Panels LH/LR/LK/LI

Model			AFC-500WM/4B(L*)	AFC-600WM/4B(L*)	AFC-800WM/4B(L*)
Air Volume	H/M/L Speed	CFM	500/375/250	600/450/300	800/600/400
		m ³ /h	850/638/425	1020/765/510	1360/1020/680
Cooling Capacity	H/M/L Speed	W	4514/3837/2934	5406/4595/3514	7210/6129/4687
		W	6767/5752/4399	8155/6989/5275	10807/9186/7025
Heating Capacity	H/M/L Speed	W	6767/5752/4399	8155/6989/5275	10807/9186/7025
		W	6767/5752/4399	8155/6989/5275	10807/9186/7025
Noise Level		dB(A)	≤47	≤47	≤49
		dB(A)	≤47	≤47	≤49
Fan Motor	Fan Quantity		1	1	1
	Motor Quantity		1	1	1
	Power Input	W	76	96	134
Water Flow Volume		kg/h	950	1080	1390
Hydraulic Resistance		kPa	30	40	40
Max.Working pressure		MPa	1.6	1.6	1.6
Dimension (WxDxH)	Net	mm	970×315×235	970×315×235	1100×330×235
	Packing	mm	1010×380×300	1010×380×300	1140×390×300
Net/Gross Weight		kg	15/17	16/18	20/23
Inlet/Outlet Water Pipe				Rc1/2"(DN15)	
Drain Pipe				R1/2"(DN15)	
Stuffing Quantity(20/40/40H)			266/558/637	266/558/637	238/495/546

Note:
 1. Cooling capacity test conditions: Air inlet Temp. : 27°C DB/19.5°C WB, Water inlet/outlet Temp. : 7°C/12°C ;
 2. Heating capacity test conditions: Air inlet Temp. : 21°C DB, Water inlet Temp. : 60°C ;
 3. External Static Pressure :50Pa is optional;
 4. Noise level is tested in full-anechoic room.

Chiller Controller

Wired Controller

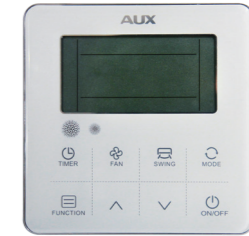


XK-02D

FCU controller

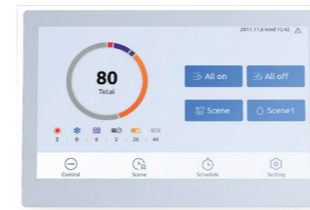


YK-K



XK-05

FCU Central controller



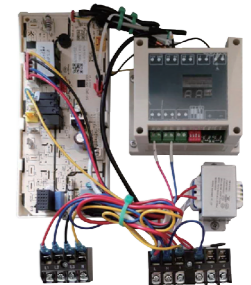
CC-02 Controller
Max 64 FCUs



CM-MTD/AM01(NEW gateway)
1 Gateway matches 1 FCU



Gateway
1 Gateway matches 1 FCU



Gateway assembly
Only for duct type

Chiller MODBUS control

