AUX CAC

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Official Accounts

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AUX

COMMERCIAL AIR CONDITIONER

2024

MODULAR CHILLER&FCU

EASTERN EUROPE

BRIEF INTRODUCTION

Established in 2003, AUX ELECTRIC CO,. LTD is a professional central Air-Conditioner enterprise which is integrated the R&D、equipment manufacturing and sales service in business scope. After several years business developing, it has been awarded many honors like international development advanced enterprise、innovative demonstration enterprise、most popular market brand、best product quality、most competitive brand in top 10 air-conditioner supplier. The sales volume of air conditioner from 2018 to 2021 ranks top3 in the world, and AUX has successfully been exclusive supplier of official air conditioning of the 19th Asian 2022 Hangzhou Games.

Aux product is cover unit air-conditioner、VRF and modular unit with 50 series and more than 1000 product type, its product are widely applied in government、public construction、education、medical service、decorative residential、business office and industrial project, etc, and exported to more than 100 countries and regions.

In the future, AUX Group will be intelligently upgraded with the industrial intelligence, integrating home, business smart system, continue to adhere to the mission of "health, energy saving, green, environmental protection" to be a worldwide brand which symbolizes healthy life!

MILESTONE

STARTUP & DEVELOPMENT (1986-2022)

1986
Established AUX Group

1994
Started RAC Business

2003
Entered The CAC Field

2004
Got CNAS Certification

2007
Launched Digital Scroll ARV System

2011
Launched DC Inverter VRF System Globally

2016
Launched All DC Inverter ARV 5X Globally

2019
Launched All DC Inverter ARV 6 Globally

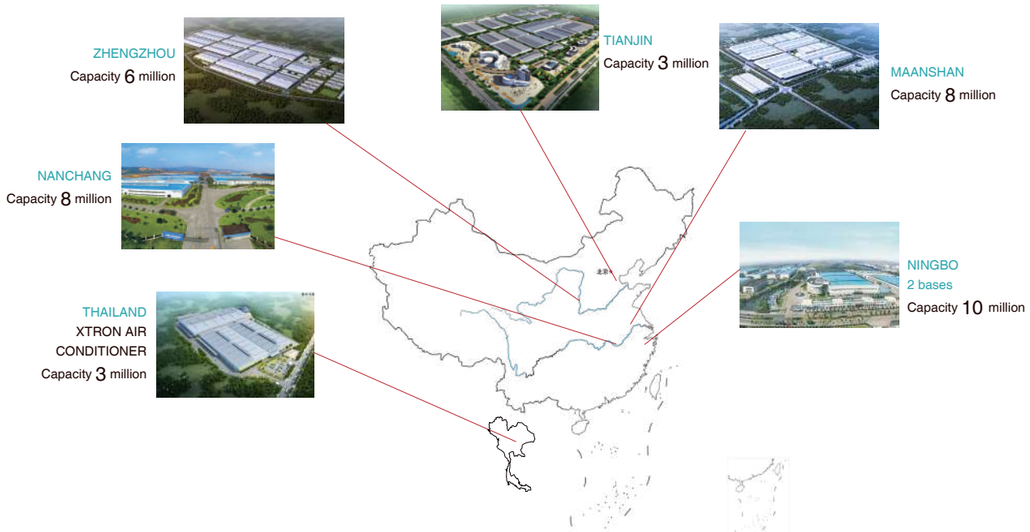
2021
Became the official air-conditioned supplier of the 19th Asian Games in Hangzhou in 2022

2022
Launched All DC Inverter ARV 7 & R32 Air to Water Heat Pump Globally

2023
Launched All DC Inverter R290 Air To Water Heat Pump globally

Intelligent Manufacturing

7 production bases **37+** million sets / year



Exported to 123 countries and regions , over 400 cooperative customers

AWARDS

Leading Comfortable & Healthy Brand

Innovation Excellent Case Award

RED -TOP Award

IF DESIGN AWARD

AWE Excellent Product Award

Quality Benchmark Brand

HONOR

Demonstration enterprise

Gold Award

Pilot enterprise

Vice Chairman Unit

CERTIFICATION

CE AHRI EUROVENT CERTIFIED PERFORMANCE ErP RoHS

CB ISO GS geprüfte Sicherheit REACH COMPLIANT SG ready Smart Grid - Smart Components

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 fow 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 control adapter.

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.

Washable Filter

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

Product Lineup

Modular Chiller

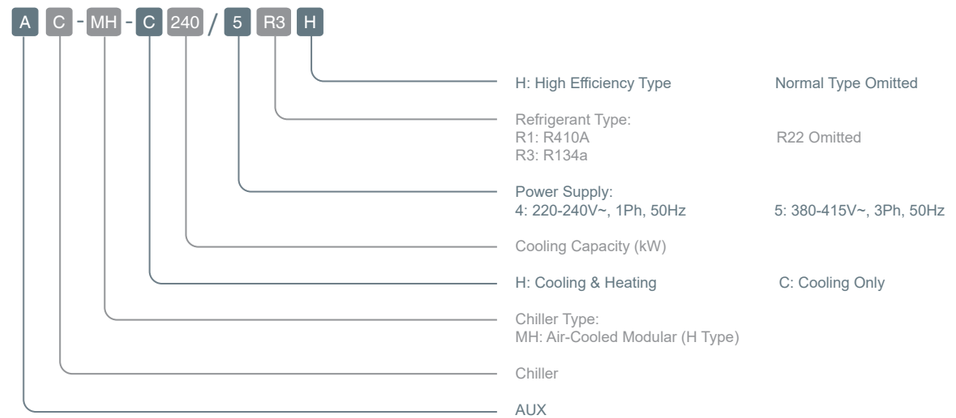
H Type
65/130kW

H Type
30kW

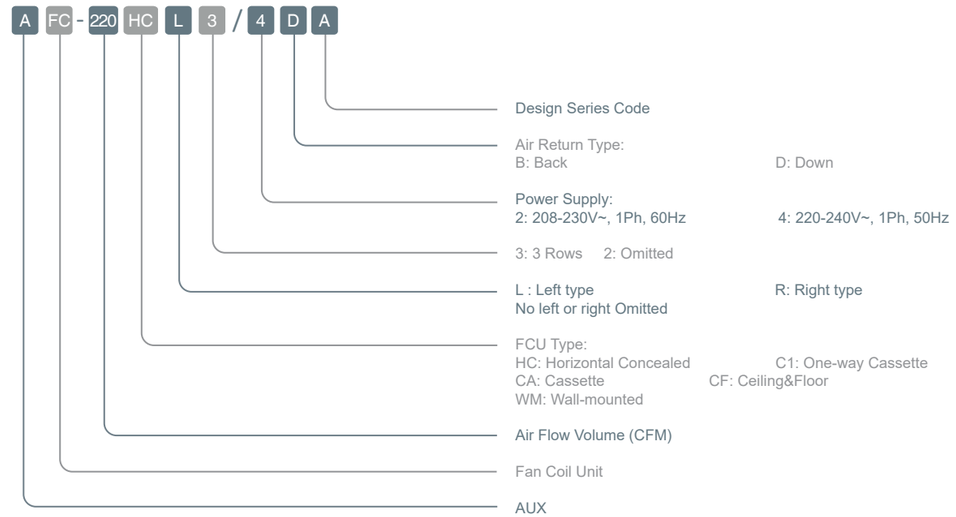
FCU	Appearance	Type	200CFM	300CFM	400CFM	500CFM	600CFM	800CFM	1000CFM	1200CFM	1400CFM
Cassette		50HZ		●	●	●	●	●	●	●	●
Horizontal Concealed		50HZ (A6 Series)	●	●	●	●	●	●	●	●	●
		50HZ (A6M Series)	●	●	●	●	●	●	●	●	●
Wall-mounted		50HZ	●	●	●	●	●	●			

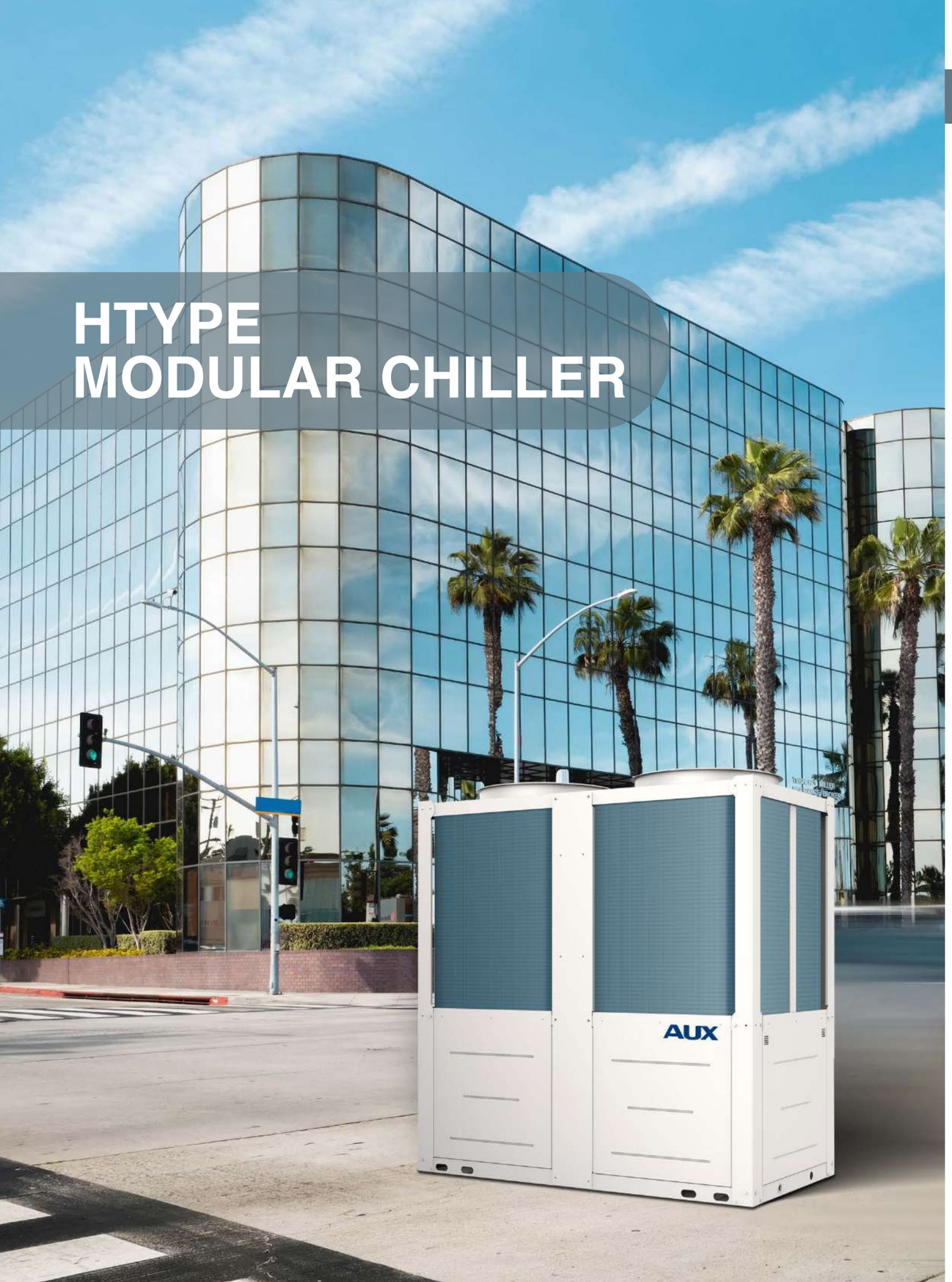
Nomenclature

Chiller



FCU



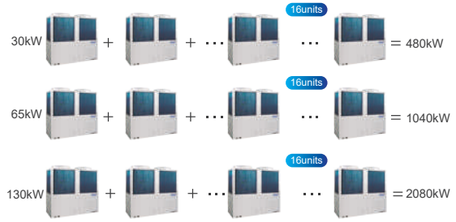


HTYPE MODULAR CHILLER

Feature

▶ Module Combination

1.Capacity range~30~2080kW Modular design, Flexible combination.
2.Up to 16 units can be combined in one system.



▶ Module Alternate Technique

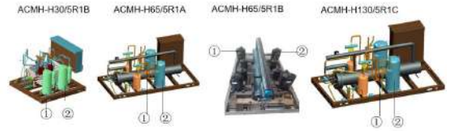
Automatically setting priority open compressor and priority open module, balancing the running time, ensure that running time is the same, prolong the service life of the unit.

▶ Module Back-up Function

When one module of the combination is faulty or maintained, the other modules run normally.

▶ System Back-up Function

If some problem happen to one system, the other part can still operate normally. When the load is low, only one system is applied, the energy efficiency is higher.

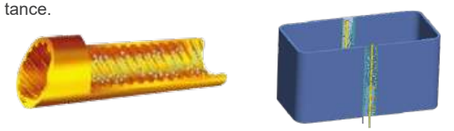


▶ High Efficient Air-side Fin Design Heat Exchanger

The fluent software to simulate air flow calculation, optimize the heat exchanger tube spacing and fin spacing, high efficiency round design heat exchanger, the area of return air and copper tube, fin is larger, the heat exchange efficiency is higher.

▶ Internal Thread Copper Pipe and Anti-corrosion Hydrophilic Aluminum Fin

1.Thread design, the inner surface is groove-like, more fully in contact with the refrigerant, better heat exchange effect.
2.Using high efficient corrosion hydrophilic aluminum fin, not easy to frost, increase the speed of the condense/frost water flow, increase the heat exchange efficiency 10%, also enhance the corrosion resistance and oxidation resistance.

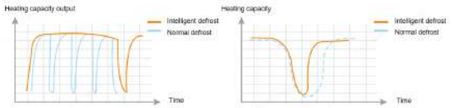


▶ High Efficient Water-side Spiral Tube Heat Exchanger

The threaded heat exchanger is used inside, and the efficiency is 15% higher than that of normal heat exchanger.

▶ Intelligent Defrost

Detecting multiple temperature sensor to judgment the defrost degree, accurately grasp the defrosting time, Make sure to defrost when frosting and heat when not frosting.



H TYPE LOW TEMP COOLING MODULAR CHILLER

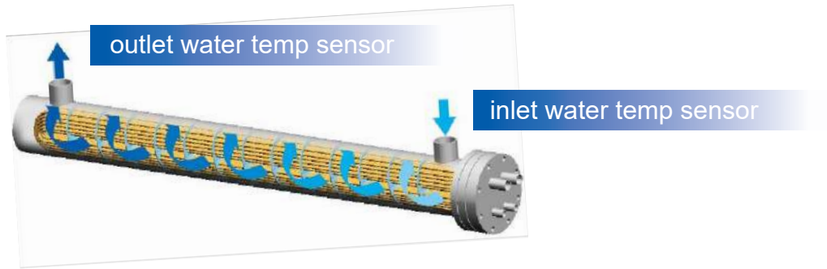
Feature

▶ Low Temperature Cooling

The low-temperature cooling function is enabled, the cooling mode operating range is -15℃ ~49℃

▶ Water Temperature Control

The inlet water temperature and outlet water temperature can be controlled



Notice:Other features are the same as the H type modular chiller

Fan Coil Unit
CASSETTE


Standard


Optional


Central controller (Optional)

▶ 5-fold Exchanger

The evaporator adopts a 5-fold evaporator, which has a larger heat exchange area and a 12% increase in heat exchange efficiency compared to traditional 4-fold evaporators

▶ Round-way Air Supply

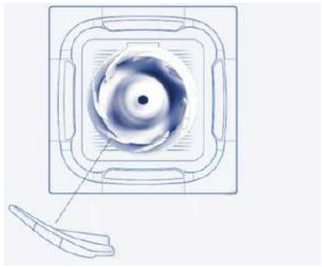
Round flow panel make the air diffuse from 360°direction, and the temperature distribution is more uniform.

▶ long Distance Air Supply

The air supply distance reaches 4m, meeting the air supply requirements for tall spaces.

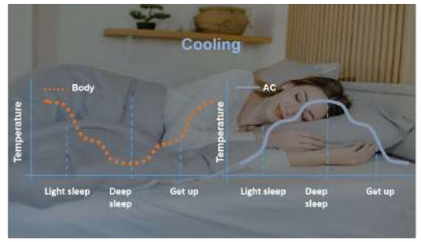
▶ Big Air Volume

Adopting a large-diameter spiral wind wheel for larger air volume and lower noise.



▶ Sleeping Mode

Turn on sleep mode at night, no need to worry about being too cold or too hot, and sleep comfortably all night long.



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 selceted for each mode. Standard (30Pa) /Optional (12 Pa).

▶ External Static Pressure

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

Fan Coil Unit
WALL-MOUNTED


Standard


Central controller (Optional)

▶A Variety of Panels

A variety of panels can be chosen.

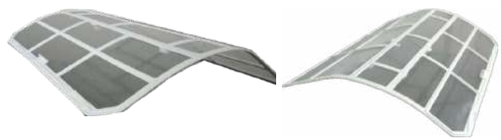

LH


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

H Type Modular Chiller

Specification-R410A 50Hz

Model name	Outdoor		ACMH-H30/5R1B	ACMH-H65/5R1A	ACMH-H65/5R1B	ACMH-H130/5R1C
Capacity	Cooling/Heating	Btu/h	100000/110000	222000/242000	222000/242000	443500/477700
		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/Heaying Current	A	17.7/18.0	36.3/38.9	36.3/38.9	72.6/81.9
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	m^3/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 tube in tube heat exchanger
	Water Resistance	kPa	45	45	45	45
	Water Flow Volume	m^3/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/Oulet Water Pipe		mm	DN32	DN50	DN50	DN65
Noise		dB(A)	≤65	≤65	≤65	≤68
Ambient Temp (Cooling/Heating)		°C	21-49°C/-12-30°C	21-49°C/-12-30°C	21-49°C/-12-30°C	21-49°C/-12-30°C

Note:
All the above data is tested base on the following working condition:
1.Rated cooling working condition: water flow 0.172 $m^3/(h{\cdot}kW)$, chilled water inlet/outlet temperature 12°C /7°C , ambient temperature 35°C ;
2.Rated heating working condition: water flow 0.172 $m^3/(h{\cdot}kW)$, 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-H130/5R1C 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:
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

H Type Low Temp Cooling Modular Chiller

Specification-R410A 50Hz

Model name	Outdoor		ACMH-H30/5R1D	ACMH-H65/5R1D	ACMH-H130/5R1D
Capacity	Cooling	Btu/h	100000	222000	443500
		kW	30	65	130
	Heating	Btu/h	110000	242000	477700
		kW	33	71	142
Electric Data	Power Supply	V~,Hz,Ph	380,50,3	380~415,50,3	380,50,3
	Cooling/Heating Power Input	kW	9.4/10	19.2/21.5	38.4/40.5
	Cooling/Heaying Current	A	17.7/18	36.3/38.9	72.6/81.9
Compressor	Type		Rotary	Hermetic Scroll	Hermetic Scroll
	Quantity	Pieces	2	2	2
Refrigerant Type			R410a	R410a	R410a
Air Side Heat Exchanger	Type		High-efficient Fin Heat Exchanger	High efficiency heat transfer tube series aluminum fin	High efficiency heat transfer tube series aluminum fin
	Fan Quantity	Pieces	1	2	2
	Air Flow Volume	m^3/h	13500	13500×2	27000×2
Water Side Heat Exchanger	Type		High-efficiency tube to tube heat exchanger	High-efficiency tube in tube heat exchanger	High-efficiency tube in tube heat exchanger
	Water Resistance	kPa	45	45	45
	Water Flow Volume	m^3/h	5.2	11.2	22.4
	Max. Pressure	MPa	1	1	1
Dimension (W×D×H)	Net	mm	1000×950×1880	2000×950×1880	2200×1100×2270
	Packing	mm	1050×1000×1980	2050×1000×1980	2250×1150×2370
Weight	Net/Gross	kg	310/325	580/595	850875
Inlet/Oulet Water Pipe		mm	DN32	DN50	DN65
Noise		dB(A)	≤65	≤65	≤68
Ambient Temp (Cooling/Heating)		°C	-15-49°C /-12-30°C	-15-49°C /-12-30°C	-15-49°C /-12-30°C

Note:
All the above data is tested base on the following working condition:
1.Rated cooling working condition: water flow 0.172 $m^3/(h{\cdot}kW)$, chilled water inlet/outlet temperature 12°C /7°C , ambient temperature 35°C ;
2.Rated heating working condition: water flow 0.172 $m^3/(h{\cdot}kW)$, 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-H30/5R1D Cooling capacity and power in cooling mode

Chilled water outlet temperature(°C)	Ambient Temperature(°C)											
	21		25		30		35		40		47	
	capacity kW	Power	capacity kW	Power kW	capacity kW	Power	capacity kW	Power	Power	Capacity	Power	Capacity
		kW				kW		kW	kW	kW	kW	kW
5	35.36	7.85	33.68	8.35	31.62	8.61	29.19	8.73	28.36	10.53	27.26	11.51
7	36.98	8.02	34.95	8.44	33.41	9.14	30	9.4	29.92	10.69	28.46	11.59
10	39.36	8.16	37.13	8.54	35.46	9.21	33.38	10.37	31.64	10.81	29.74	11.69
13	40.74	8.28	38.43	8.63	36.4	9.35	34.66	10.67	33.07	10.92	31.24	11.8
17	44.88	8.53	41.79	8.91	39.82	9.6	38.12	10.95	36.68	11.19	34.88	12.11

ACMH-H65/5R1D Cooling capacity and power in cooling mode

Chilled water outlet temperature(°C)	Ambient Temperature(°C)											
	21		25		30		35		40		47	
	capacity kW	Power	capacity kW	Power kW	capacity kW	Power	capacity kW	Power	Power	Capacity	Power	Capacity
		kW				kW		kW	kW	kW	kW	kW
5	67.39	14.96	66.53	15.42	63.18	16.8	60	18.32	56.98	19.97	54.11	21.76
7	71.36	15.25	69.85	15.57	66.34	16.97	65	19.2	59.83	20.37	56.82	21.98
10	77.44	15.44	73.35	15.73	69.66	17.14	66.15	19.84	62.82	20.49	59.66	22.53
13	83.8	15.79	77.02	15.88	73.14	17.31	69.46	20.02	65.96	20.75	62.64	22.82
17	92.38	16.79	85.17	17.02	80.86	18.86	79.31	21.13	72.94	21.86	69.26	23.64

ACMH-H130/5R1D Cooling capacity and power in cooling mode

Chilled water outlet temperature(°C)	Ambient Temperature(°C)											
	21		25		30		35		40		47	
	capacity kW	Power	capacity kW	Power kW	capacity kW	Power	capacity kW	Power	Power	Capacity	Power	Capacity
		kW				kW		kW	kW	kW	kW	kW
5	135.13	30.21	133.06	30.83	126.36	33.61	123	36.63	113.96	39.93	108.22	43.52
7	141.94	30.85	139.71	31.14	132.68	33.94	130	38.4	119.66	40.33	113.64	43.96
10	151.36	31.28	146.7	31.45	139.31	34.28	132.3	38.57	125.64	40.73	119.32	44.4
13	161.38	31.56	154.03	31.77	146.28	34.63	138.92	39.74	131.92	41.14	125.28	44.84
17	173.41	34.52	170.3	34.85	161.74	37.98	158.48	42.97	145.87	45.13	138.53	49.19

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-H30/5R1D Heating capacity and power in heating mode (RH is 90%)

Hot water outlet temperature (°C)	Outdoor DB temperature(°C)													
	-10		-7		-3		2		7		10		13	
	capacity kW	Power	capacity kW	Power	capacity kW	Power	capacity kW	Power	capacity kW	Power	capacity kW	Power	capacity kW	Power
		kW		kW		kW		kW		kW		kW		kW
40	19.22	8.52	23.73	8.72	26.35	8.8	29.22	8.9	35.92	9.19	38.83	9.24	42.01	9.29
43	18.97	9.02	23.23	9.25	25.74	9.28	28.61	9.4	34.21	9.67	37.61	9.76	41.28	9.8
46	17.54	9.54	22.77	9.73	25.23	9.8	28.12	9.87	33.11	10.17	36.81	10.24	40.53	10.32
50	16.87	10.37	22.17	10.41	24.86	10.5	27.46	10.59	33.5	10.86	36.54	10.95	39.62	11.04

ACMH-H65/5R1D Heating capacity and power in heating mode (RH is 90%)

Hot water outlet temperature (°C)	Outdoor DB temperature(°C)													
	-10		-7		-3		2		7		10		13	
	capacity kW	Power	capacity kW	Power	capacity kW	Power	capacity kW	Power	capacity kW	Power	capacity kW	Power	capacity kW	Power
		kW		kW		kW		kW		kW		kW		kW
40	40.24	18.58	47.2	18.94	52.36	19.11	58.28	19.3	72.07	19.68	77.96	19.84	83.86	20.05
43	40.54	19.36	46.37	19.82	51.6	20.03	57.47	20.28	71.42	20.77	76.87	20.92	82.41	21.06
46	38.81	20.25	45.57	20.82	50.62	21.03	56.26	21.17	70.26	21.81	75.63	21.95	80.99	22.08
50	37.48	21.69	44.49	22.19	49.12	22.42	54.93	22.62	66.99	23.07	73.01	23.28	79.05	23.51

ACMH-H65/5R1D Heating capacity and power in heating mode (RH is 90%)

Hot water outlet temperature (°C)	Outdoor DB temperature(°C)													
	-10		-7		-3		2		7		10		13	
	capacity kW	Power	capacity kW	Power	capacity kW	Power	capacity kW	Power	capacity kW	Power	capacity kW	Power	capacity kW	Power
		kW		kW		kW		kW		kW		kW		kW
40	80.03	34.24	95.09	35.96	106.34	36.39	118.4	36.7	145.17	37.44	156.36	37.78	168.94	38.19
43	78.67	35.21	93.47	36.98	104.49	37.54	115.26	38.01	143.27	39.25	154.42	39.74	166.11	39.84
46	77.19	36.16	91.8	38.26	102.41	38.67	113.32	39.39	142.59	41.02	152.21	41.63	163.12	42.25
50	75.14	37.26	89.63	40.89	100.16	40.14	110.66	41.35	134.95	43.24	147.52	44.18	159.24	45.12

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

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	950x950x55	950x950x55	950x950x55	950x950x55
	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100
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.

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
Heating Capacity	H/M/L Speed	W	2700/2303/1761	4050/3460/2646	5400/4605/3522	6750/5752/4399	8100/6898/5275
Extermal 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 Motor	Fan Quantity		1	2	2	2	2
	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
Heating Capacity	H/M/L Speed	W	10800/9186/7025	13500/11485/8783	16200/13774/10533	18900/16066/12286
Extermal Static Pressure		Pa	Standard (30Pa) / Optional (12 Pa)			
Rows Of Coil			3	3	3	3
Noise Level		dB(A)	≤48	≤50	≤52	≤54
Fan Motor	Fan Quantity		3	4	4	4
	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. Extermal 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
		m3/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
Heating Capacity	H/M/L Speed	W	2700/2303/1761	4050/3460/2646	5400/4605/3522	6750/5752/4399	8100/6898/5275
Extermal 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 Motor	Fan Quantity		1	2	2	2	2
	Motor Quantity		1	1	1	1	1
	Power Input	W	44	59	72	87	108
Water Flow Volume		m3/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
Heating Capacity	H/M/L Speed	W	10800/9186/7025	13500/11485/8783	16200/13774/10533	18900/16066/12286
Extermal Static Pressure		Pa	Standard (30Pa) / Optional (12 Pa)			
Rows Of Coil			3	3	3	3
Noise Level		dB(A)	≤48	≤50	≤52	≤54
Fan Motor	Fan Quantity		3	4	4	4
	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. Extermal Static Pressure :50Pa is optional;
4. Noise level is tested in full-anechoic room.

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
Heating Capacity	H/M/L Speed	W	2709/2303/1761	4070/3460/2646	5418/4605/3522
Noise Level		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
Heating Capacity	H/M/L Speed	W	6767/5752/4399	8155/6989/5275	10807/9186/7025
Noise Level		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 (W×D×H)	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. Extermal Static Pressure :50Pa is optional;
4. Noise level is tested in full-anechoic room.

Chiller Controller

▶ Chiller Controller

XK-06

XK-05-DY

▶ FCU controller

YK-K

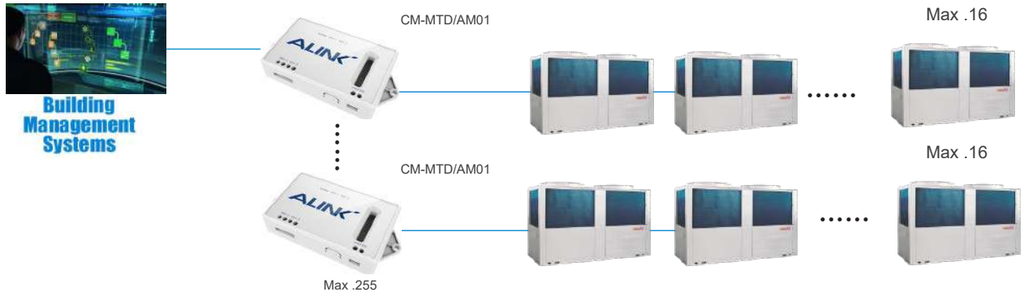
XK-05

▶ FCU Central controller

CC-02 Controller
Max 64 FCU

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

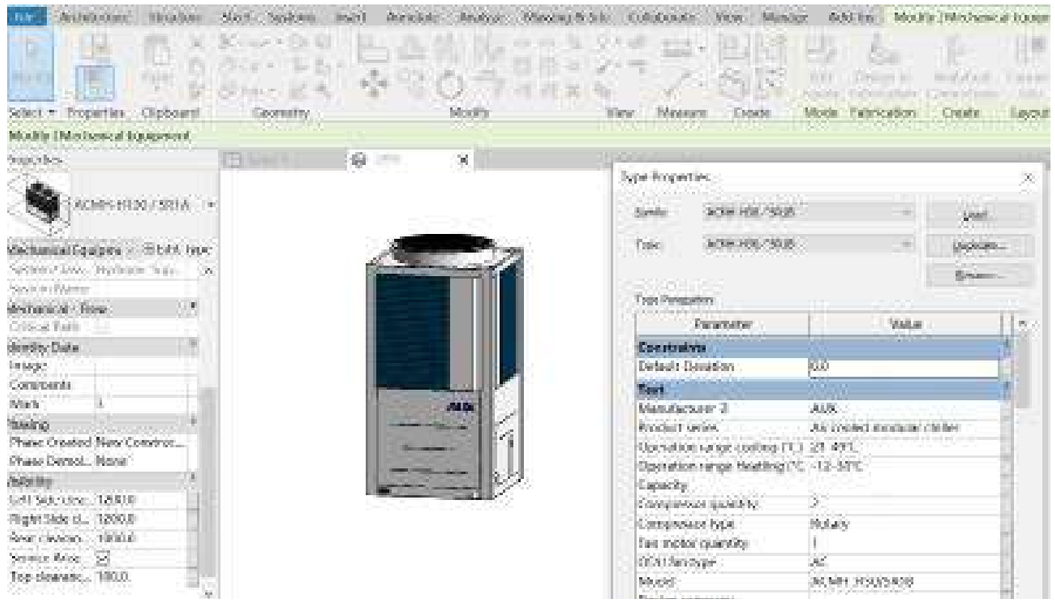
▶ Chiller MODBUS control



Revit Models Series

▶ Revit Models Series

AUX revit is developed to make 3D design (shows Electrical Connector+Pipe Connectors +Produce parameter) of
AUX products easier than the previous
program. It enables engineers to check 3D
images from design stage and prevents possible
issues of the installation stage.



Project Reference

VILLA FRESCO

Country: Georgia
City: Tbilisi
Capacity: 1620kW
Equipment: Modular Chiller
Date: 01-2018

Residential Complex

Country: Iran
City: Tehran
Capacity: 770kW
Equipment: Modular Chiller
Date: 05-2017

Sanatorium

Country: Uzbekistan
City: Tashkent
Capacity: 1300kW
Equipment: Modular Chiller
Date: 10-2020

Russia - My History Museum

Country: Russia
City: Makhachkala
Capacity: 1380kW
Equipment: Modular Chiller
Date: 09-2019