AUX

COMMERCIAL AIR CONDITIONER

MODULAR CHILLER&FCU

2025

Official Accounts

AUX CAC

@aux_cac_china

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GROUP PROFILE

Established in 1986, AUX Group is an enterprise group which covers several industries: air conditioning, power utilization, power distribution, new energy, medical service. For many years it has ranked China's top 500 enterprises.

AUX Group has over 30,000 employees and 14 manufacturing bases in Ningbo(3), Nanchang, Tianjin, Ma'anshan, Zhengzhou, Wuhu, Brazil, Indonesia, Thailand, Poland, Germany and Mexico, 6 R&D centers. AUX is a leading producer of Smart Meter and Power Box in its sector. Currently, it has invested and operated 46 medical institutions.

86
Billion Yuan

14
Manufacturing Bases

1986
Founded

6
R&D Centers

2
Listed Companies

MILESTONE

STARTUP & DEVELOPMENT (1986-2022)

Start-up & development (1986-2010)

Started from scratch, developed by self-improvement, completed the existing industrial structure

1986
started business

1989
Entered the meter industry and later created the brand of Sanxing

1994
Entered the air-conditioning industry and created the brand of AUX

2000
Enter the real estate industry

2003
Entered The CAC Field

2004
Got CNAS Certification

2009
Entered the investment industry

2011
Sanxing Electrical (601567.SH) was listed in Shanghai Stock Exchange and later renamed as "Sanxing Medical"

Transformation and future (2011-present)

Took the first step in mindset changes, industrial transformation, capital transformation and strategy transformation

2012
Successively set up R&D centers in Hangzhou and Ningbo to promote the research and application of smart grid and smart home appliance technologies

2014
Established the medical groun to deploy the medical and health strategy

2015
Built overseas plants in Brazil and Indonesia Developed overseas real estate in Australia Acquired a company in Hongkong Stock Exchange and renamed it as AUX International (02080.HK)

2016
The scale of air-conditioners jumped to the third place in the industry, and a new smart home appliance export production base was built

2018
Prepared to build smart home appliance production bases in Thailand and Zhengzhou Dedicated to making AUX Japanese R&D Center a global home appliance R&D highland

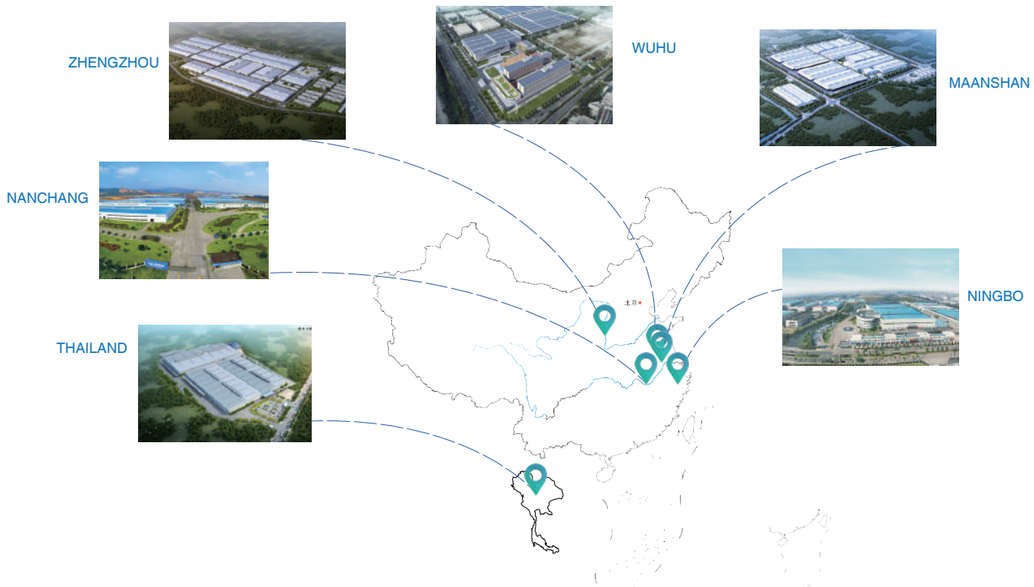
2020
Zhengzhou Intelligent Home Appliance Manufacturing Base Project started

2021
Became the official exclusive supplier of air conditioners for the 19th Asian Games Hangzhou 2022

2023
Vigorously promote the development of overseas own-brand products and establish sales companies in Malaysia, Thailand and the United States

Intelligent Manufacturing

7 production bases



Exported to 100 countries and regions

AWARDS

International Design Excellence Awards

Technological Invention Award

iF Design Award

Quality Leader Brand

Golden Reputation

Red Dot Award

HONOR

Demonstration enterprise

Gold Award

Pilot enterprise

Vice Chairman Unit

CERTIFICATION

ETL

CE

EAC

AHRI

CB

ESMA

SASO

ROHS

EUROVENT

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

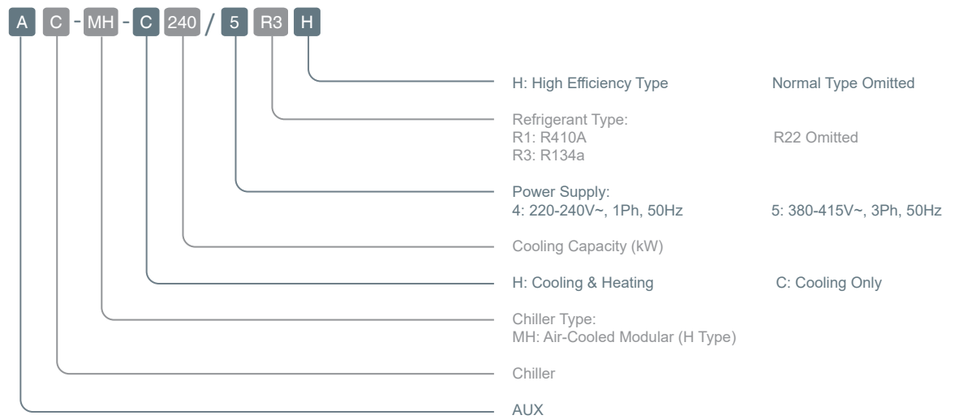
H Type
65/130kW

H Type
30kW

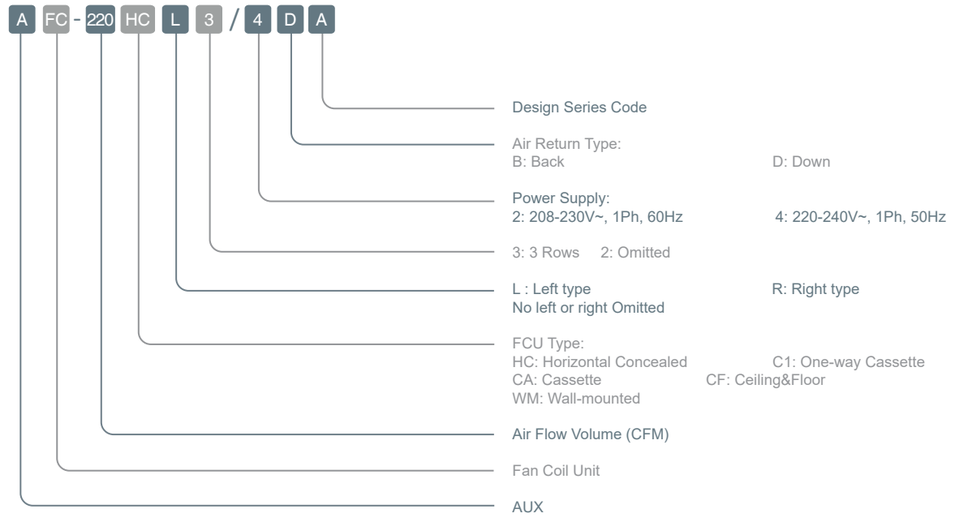
FCU	Appearance	Type	200CFM	300CFM	400CFM	500CFM	600CFM	800CFM	1000CFM	1200CFM	1400CFM
Q series wall-mounted		50HZ		●	●	●	●				
Floor standing		50HZ	●	●	●	●	●				
Cassette		50HZ		●	●	●	●	●	●	●	●
Horizontal Concealed		50HZ (A6 Series)	●	●	●	●	●	●	●	●	●
		50HZ (A6M Series)	●	●	●	●	●	●	●	●	●

Nomenclature

Chiller



FCU

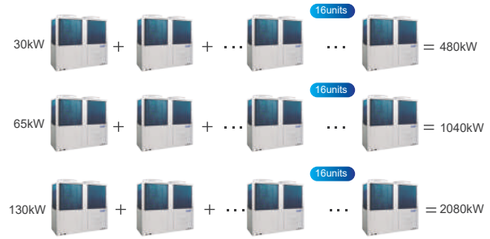


HTYPE MODULAR CHILLER

Feature

▶ Module combination

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



▶ Module back-up function

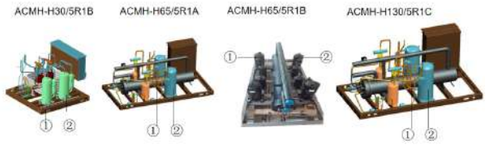
When one module of the combination is faulty or maintained, the other modules run normally.

▶ 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.

▶ 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.



Feature

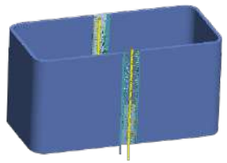
▶ High efficient air-side fin design heat exchanger

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

Thread design, the inner surface is groove-like, more fully in contact with the refrigerant, better heat exchange effect.

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.

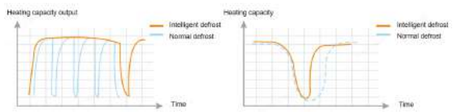


▶ High efficient water-side spiral tube heat exchanger

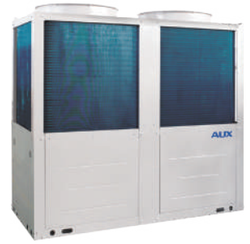
Compared with normal heat exchangers, it has greatly improved efficiency

▶ 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 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
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:
1. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.
2. Outdoor air temperature 7ºC DB, 85% R.H.; EWT 30ºC, LWT 35ºC.
3. Outdoor air temperature 7ºC DB, 85% R.H.; EWT 47ºC, LWT 55ºC.
4. Outdoor air temperature 35ºC DB; EWT 23ºC, LWT 18ºC.
5. Outdoor air temperature 35ºC DB; EWT 12ºC, LWT 7ºC.
6. Seasonal space heating energy efficiency class tested in average climate conditions.
7. Test standard: EN12102-1
8. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.

Remarks:
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2.All specifications are subject to change by the manufacturer without prior 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:
1. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.
2. Outdoor air temperature 7ºC DB, 85% R.H.; EWT 30ºC, LWT 35ºC.
3. Outdoor air temperature 7ºC DB, 85% R.H.; EWT 47ºC, LWT 55ºC.
4. Outdoor air temperature 35ºC DB; EWT 23ºC, LWT 18ºC.
5. Outdoor air temperature 35ºC DB; EWT 12ºC, LWT 7ºC.
6. Seasonal space heating energy efficiency class tested in average climate conditions.
7. Test standard: EN12102-1
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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:
1. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.
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Fan Coil Unit

Q SERIES WALL-MOUNTED

Feature

▶ Exquisite design

Mirror polished panel, smooth texture, more gloss, not aging, not affected by dust, with eternal beauty. HIPS composites consisting of UV absorbers and light stabilizers are used.

▶ 7 Levels wind speed

The Q series adopts DC motor with 7 levels of wind speed, which can be freely selected to provide users with a more comfortable feeling.

▶ Dehumidification mode

One-key drying, good helper of hunmidty prevention in the rainy season.
Low air cooling operation to lower the indoor humidity.

▶ Fault Code Indication

When the unit fails, the error code can be viewed from the indoor unit display panel, making the after-sales service more convenient and fast.

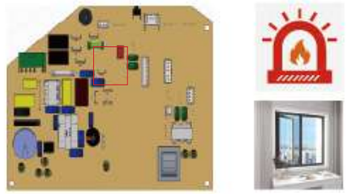
Feature

▶ WIFI function

Optional WIFI function, can connect to the mobile phone APP control air conditioning operation.

▶ Dry contact function

The PCB of the indoor unit is reserved with dry contacts, which can receive signals from the window and the fire alarm for linkage.



▶ Wired controller centralized control

Optional wire control, a wired controller can control up to 16 Q-series wall mounted FCUs at the same time

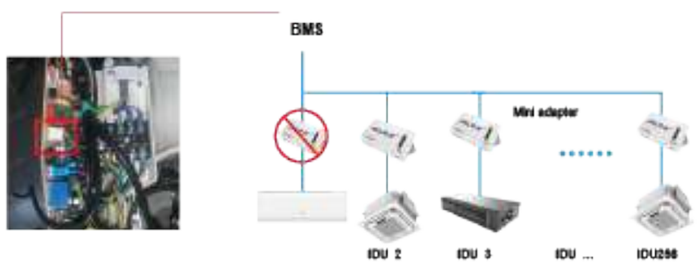
▶ Built in 4-way valve

During installation, only the inlet and outlet pipes need to be connected, without the need for additional water valves, saving time and space for installation.

*For models with built-in four-way valves only

▶ Built-in gateway

The indoor unit has a built-in modbus gateway, which can be directly connected to the centralized controller and BMS system to achieve centralized control.



Q Series Wall-Mounted

Built-in 4-way valves model

Model	Panel type		AFC-200WM/4A1(Q*)-N	AFC-300WM/4A1(Q*)-N	AFC-400WM/4A1(Q*)-N	AFC-500WM/4A1(Q*)-N	AFC-600WM/4A1(Q*)-N
Power supply		V/Ph/H	220-240V,50,1	220-240V,50,1	220-240V,50,1	220-240V,50,1	220-240V,50,1
Whole Machine Power	Rated Power	W	16	22	44	35	48
	Max Power	W	18	24	48	39	53
Cooling Capacity	Max Speed	W	2700	2910	3810	4470	4900
	Hi Speed	W	2312	2312	3617	3980	4452
	Me Speed	W	2015	2015	2991	3452	3822
	Low Speed	W	1763	1763	2609	2965	3258
45℃ Heating Capacity	Max Speed	W	2940	3230	4300	4840	5260
	Hi Speed	W	2709	2709	3671	4173	4663
	Me Speed	W	2303	2303	2960	3342	3967
	Low Speed	W	1761	1761	2589	2909	3494
Fan motor	NO.	/	1	1	1	1	1
	Output Power	W	30	30	30	50	50
Performance	Air Flow Volume	CFM	289/238/211/186	344/238/211/186	485/396/309/264	507/384/335/294	600/489/418/341
		m3/h	492/404/358/316	585/404/358/316	825/673/526/448	862/653/570/500	1020/832/710/580
	Noise Level（sound pressure，high speed）	dB(A)	32/26/24	32/26/24	44/39/33	38/34/31	44/42/36
Water Flow Volume		m3/h	0.50	0.57	0.77	0.84	0.97
Hydraulic Resistance		KPa	31.61	37.20	56.75	41.20	50.70
Max.Working pressure		MPa	1.6	1.6	1.6	1.6	1.6
Dimension	Net Dimension (W*D*H)	mm	965*325*230	965*325*230	965*325*230	1089*328*227	1089*328*227
	Packing Dimension (W*D*H)	mm	1005×362×282	1005×362×282	1005×362×282	1155×397×312	1155×397×312
Weight	Net	Kg	11.5	11.5	11.5	13.5	13.5
	Gross	Kg	14.5	14.5	14.5	16.5	16.5
Drain Pipe		mm	DN15	DN15	DN15	DN15	DN15
Inlet/Outlet Water Pipe		mm	Rc3/4"(outlet grooved) DN15	Rc3/4"(outlet grooved) DN15	Rc3/4"(outlet grooved) DN15	Rc3/4"(outlet grooved) DN15	Rc3/4"(outlet grooved) DN15

Note:
1. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.
2. Outdoor air temperature 7ºC DB, 85% R.H.; EWT 30ºC, LWT 35ºC.
3. Outdoor air temperature 7ºC DB, 85% R.H.; EWT 47ºC, LWT 55ºC.
4. Outdoor air temperature 35ºC DB; EWT 23ºC, LWT 18ºC.
5. Outdoor air temperature 35ºC DB; EWT 12ºC, LWT 7ºC.
6. Seasonal space heating energy efficiency class tested in average climate conditions.
7. Test standard: EN12102-1
8. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.

Remarks:
1.Data from AUX lab, Data may change according to test surroundings, AUX reserves right of explanation on data
2.All specifications are subject to change by the manufacturer without prior notice

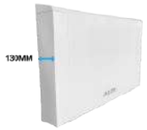
Fan Coil Unit

FLOOR STANDING

Feature

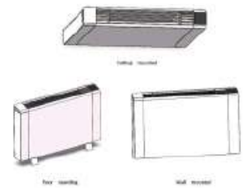
▶ Ultra-thin appearance

The new ultra-thin all-white metal FCU，reduces the thickness to 130mm while ensuring the cooling and heating effect.



▶ Three ways of installation

It can be installed horizontally or vertically.Ceiling mounted,floor standing,wall mounted three options.



▶ Anti-condensation

XPE foam insulation added both inside and outside the panel,incase any condensate water outside the

▶ Thermostat control

Standard LCD screen thermostat, can display water temperature, switch degrees Fahrenheit and Celsius, timing function.

▶ RS485 function

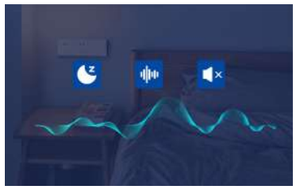
The RS485 port is reserved for the indoor unit, which can be connected to the centralized controller or BMS for centralized control.

▶ WIFI function

WIFI is standard, control through mobile APP, more convenient.

▶ Low noise

Use low-noise DC motors. Add silencing cotton inside the air duct to reduce air flow noise.



▶ Drainage pan design

Add a small drain pan to the connecting side of the pipe to prevent water from falling to the floor.

▶ Removable side panel

Open the side panel, increase the installation space, and make the piping installation more convenient.

Fan Coil Unit

CASSETTE

Feature

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

*Compared with 4-fold evaporator

▶ Round-way air supply

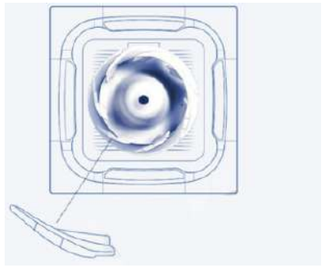
Round flow panel make the air diffuse from 360°direction, and the temperature distribution is more uniform.

▶ long distance air supply

long distance air supply, meeting the air supply requirements for tall spaces.

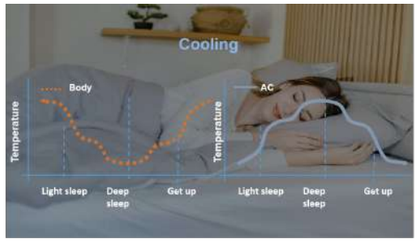
▶ Big air volume

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.



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. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.
2. Outdoor air temperature 7ºC DB, 85% R.H.; EWT 30ºC, LWT 35ºC.
3. Outdoor air temperature 7ºC DB, 85% R.H.; EWT 47ºC, LWT 55ºC.
4. Outdoor air temperature 35ºC DB; EWT 23ºC, LWT 18ºC.
5. Outdoor air temperature 35ºC DB; EWT 12ºC, LWT 7ºC.
6. Seasonal space heating energy efficiency class tested in average climate conditions.
7. Test standard: EN12102-1
8. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.

Remarks:
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2.All specifications are subject to change by the manufacturer without prior notice

Feature

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).

*Data Source: AUX Performance Lab,2017.05.04

▶ External Static Pressure

3 rows and metal fan wheel are standrad 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
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. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.
2. Outdoor air temperature 7℃ DB, 85% R.H.; EWT 30℃, LWT 35℃.
3. Outdoor air temperature 7℃ DB, 85% R.H.; EWT 47℃, LWT 55℃.
4. Outdoor air temperature 35℃ DB; EWT 23℃, LWT 18℃.
5. Outdoor air temperature 35℃ DB; EWT 12℃, LWT 7℃.
6. Seasonal space heating energy efficiency class tested in average climate conditions.
7. Test standard: EN12102-1
8. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.

Remarks:
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2.All specifications are subject to change by the manufacturer without prior notice

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. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.
2. Outdoor air temperature 7ºC DB, 85% R.H.; EWT 30ºC, LWT 35ºC.
3. Outdoor air temperature 7ºC DB, 85% R.H.; EWT 47ºC, LWT 55ºC.
4. Outdoor air temperature 35ºC DB; EWT 23ºC, LWT 18ºC.
5. Outdoor air temperature 35ºC DB; EWT 12ºC, LWT 7ºC.
6. Seasonal space heating energy efficiency class tested in average climate conditions.
7. Test standard: EN12102-1
8. Sound pressure level is the maximum value tested under the two conditions of Notes2 and Notes5.

Remarks:
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Chiller Controller

▶ Chiller Controller

XK-06

XK-05-DY

▶ FCU controller

YK-K

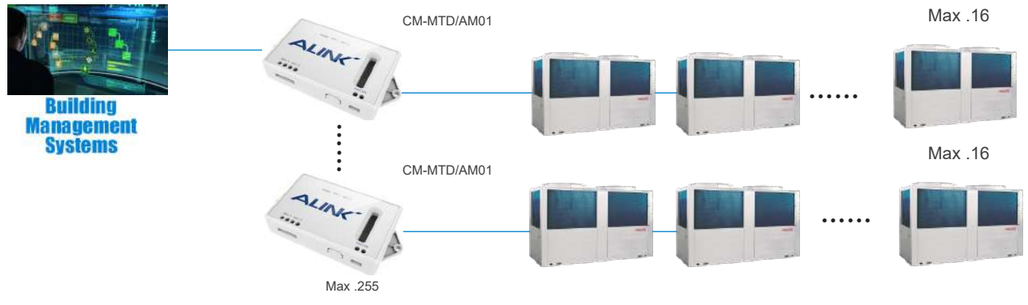
XK-05

▶ FCU Central controller

CC-02 Controller
Max 64 FCU

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

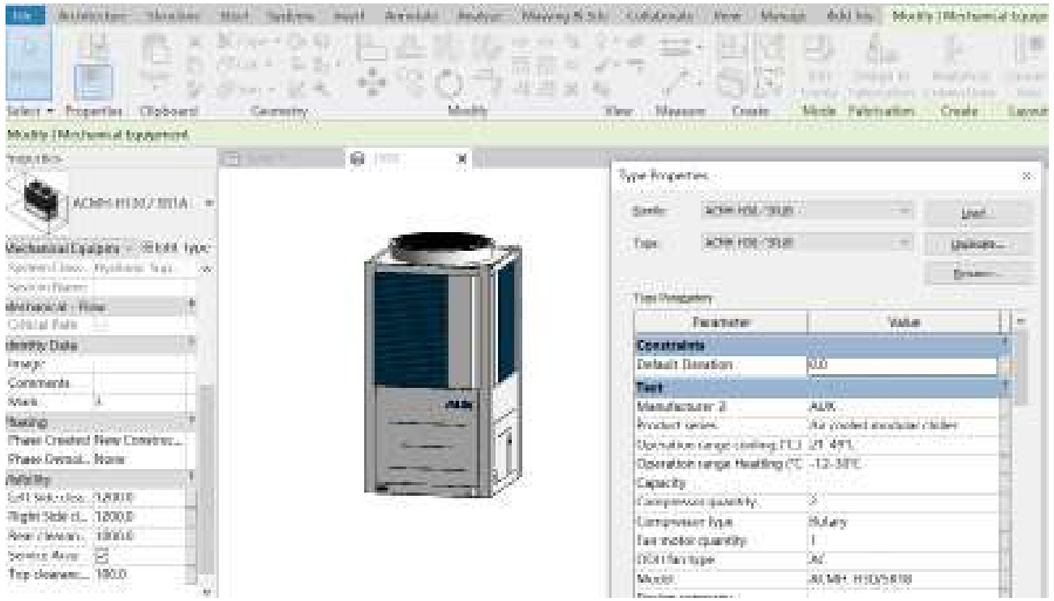
▶ Chiller MODBUS control



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