AUX
COMMERCIAL AIR CONDITIONER

Official Accounts

AUX CAC

@aux_cac_china

2024

LIGHT COMMERCIAL
AIR CONDITIONER
INDONESIA

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

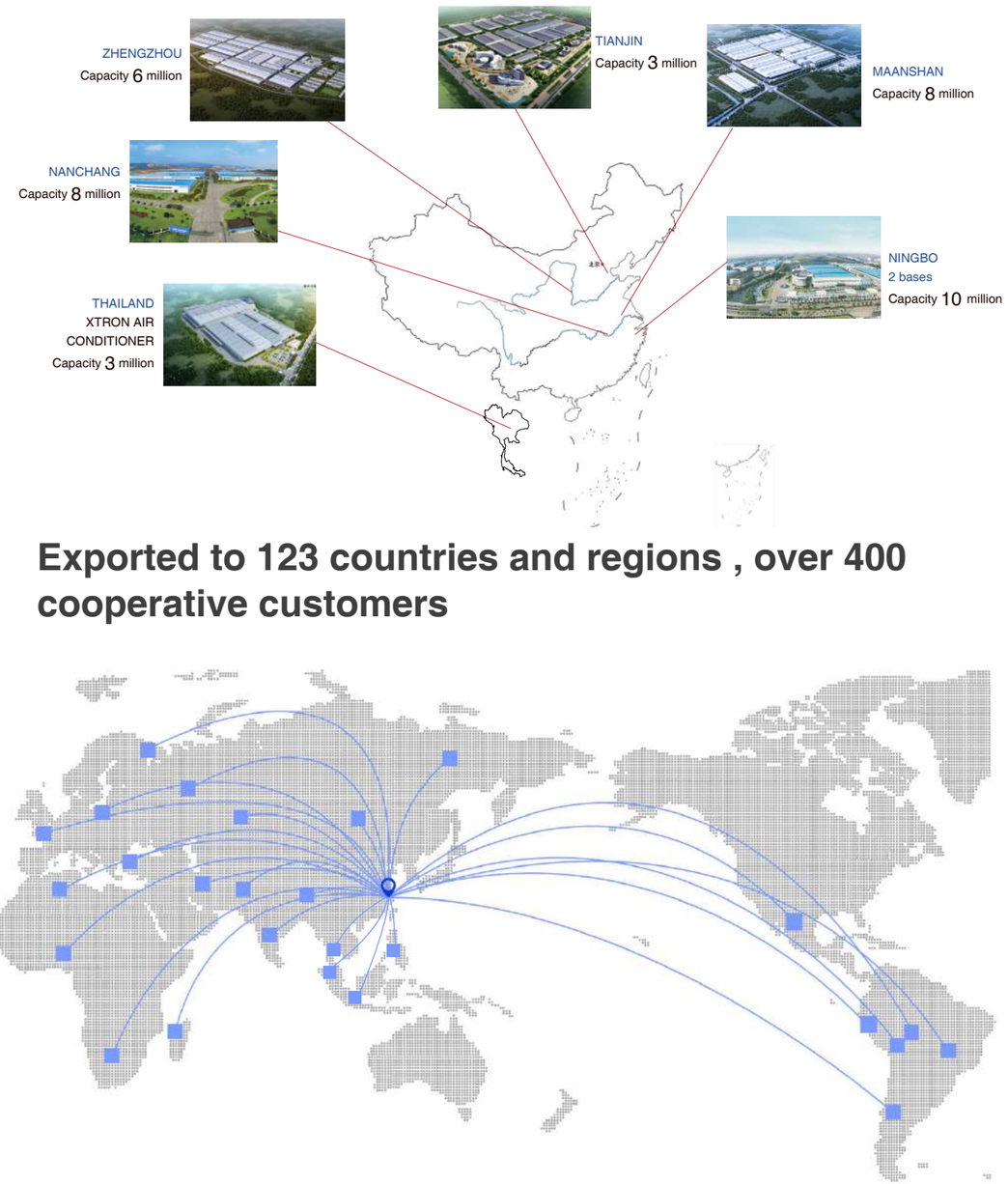
2021
Became the official air-conditioned supplier of the 19th Asian Games in Hangzhou in 2022

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 EAC AHRI ETL TISI CB

ESMA SASO ROHS EUROVENT ISO ICC

AUX
COMMERCIAL AIR CONDITIONER

01

Non-inverter Cooling Only Series

Feature(Outdoor)
Feature(Indoor)
Specification(Outdoor)
Specification(Indoor)

P12-P27

02

Non-inverter Commercial Floor Standing/ High ESP Duct

Feature(Outdoor)
Feature(Indoor)
Specification(Outdoor)
Specification(Indoor)

P28-35

03

Inverter Cooling Only Series

Feature(Outdoor)
Feature(Indoor)
Specification(Outdoor)
Specification(Indoor)

P36-51

Non-inverter

Cooling Only Series

Series	Appearance	Refrigerant	18k	24k	30k	36k	48k	60k
Outdoor Units		R32	●	●	●	●	●	●
Cassette		R32	●	●	●	●	●	●
Ceiling&Floor		R32	●	●	●	●	●	●
Mid ESP Duct		R32	●	●	●	●	●	●

● R32 only

Commercial Floor Standing/High ESP Duct

Series	Appearance	Refrigerant	80k	100k
Outdoor Units		R410A	●	● ●
High ESP Duct		R410A	●	● ●
Floor Standing		R410A	●	● ●

Note: ● non- inverter ; ● inverter

Inverter

Cooling Only Series

Series	Appearance	Refrigerant	18k	24k	30k	36k	42k	48k	60k
Outdoor Units		R32	●	●	●	●	●	●	●
Cassette		R32	●	●	●	●		●	
Mid ESP Duct		R32	●	●		●		●	
Ceiling&Floor		R32	●	●	●	●	●	●	●

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.

Full Process By DC Drive

DC control,DC Compressor,DC indoor motor, DC outdoor motor, and DC Electronic expansion valve make low noise and high efficiency.

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.

WIFI Control

With the WIFI control, you can easily turn off the air conditioner outside your house via smart device. Furthermore, you can turn it on before you come back.The indoor unit filter can be taken off to wash easily and it keeps cleaning air all the time.

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 unexpect edly due to the power cut, it will restart with the previous setting mode automati cally when the power resume.

01

Non-inverter Cooling Only Series

▶Feature

Efficiency

Healthy

Comfortable

Intelligent

Easy control

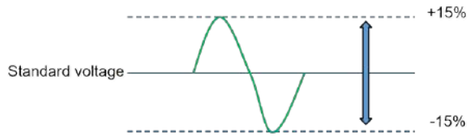
Easy maintenance

Non-Inverter Cooling Only Series

Feature

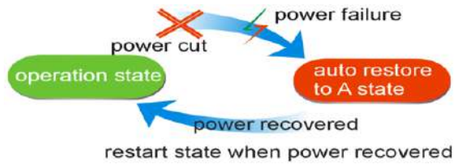
▶ Wide operation and voltage range

Cooling ambient temperature range 18-43℃ .
Wide power supply voltage range ±15%.



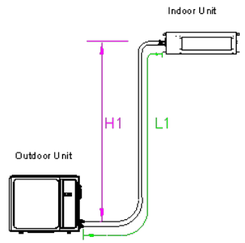
▶ Auto restart function

The AC can automatically memorize the operation setting when power is cut off accidently. It can return to previous setting when power resumes.



▶ Flexible Installation

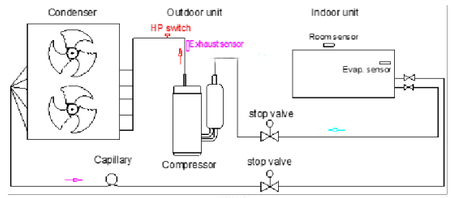
Long piping / high drop between IDU and ODU, flexible installation.



Piping Length (m)		
Capacity (K btu/h)	Max. Piping Length L1	Max. Piping High H1
18K	20 m	15 m
24/30/36K	30 m	20 m
48/60K	50 m	30 m

▶ Multi Protection

System protection
Discharge temperature too high protection
Condenser temperature too high protection
High and low pressure protection
Temperature sensor protection
Compressor overloading protection
Phase sequence protection
Communication failure protection
Anti-freezing protection



60K

CASSETTE

Feature

▶ 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

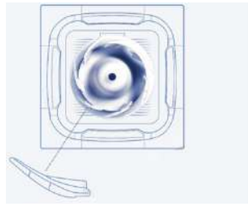
Round flow panel make the air diffuse from 360°direction, and the temperature distribution is more uniform.

▶ 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.

Feature

▶ Screen display function

When the unit is running, the light panel icon can be set to display or not to display to meet the needs of different customers.

▶ Fresh air

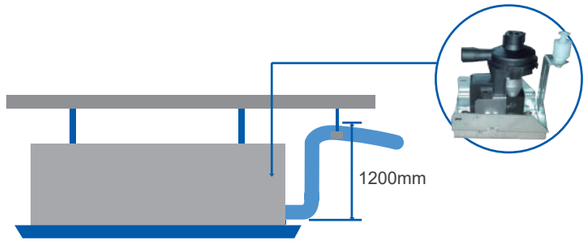
And long-term use will not cause dizziness, healthy and comfortable.

▶ Anti-leakage water pan

Using 1.5mm thick plastic drain pan, with high waterproof performance and effective prevention of water seepage.

▶ Built-in Drain Pump

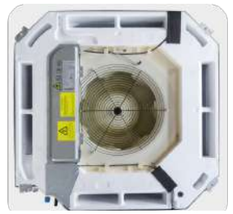
Built in drainage pump with a lift of up to 1200mm, suitable for more installation occasions and more efficient drainage.



Feature

▶ Fire-proof cover

The fireproof electric control box made of metal materials has higher safety, ensuring the safe operation of the unit.

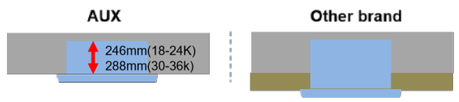


▶ Reliable control board

Hot melt adhesive is applied around the electronic components to keep the components stable.

▶ Compact body size

The thickness of the body is 246mm, occupying less ceiling space and making installation more convenient.



▶ Removable grille

No need for tools, just press lightly to open the grille, making installation more convenient.

▶ Wifi & Room card

Optional WiFi, room card functions to meet intelligent needs.

▶ Weekly timer

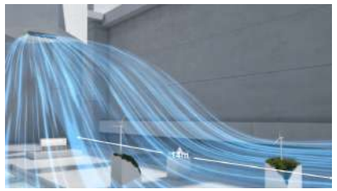
Set the operating time of the unit in one week , without having to manually turn it on every time, and no need to worry about forget to turn off the unit after getting off work.

CEILING&FLOOR

Feature

▶ Long Air Supply Distance

Up to 14m,meet large room requirement.



▶ Beautiful Design of Display Board

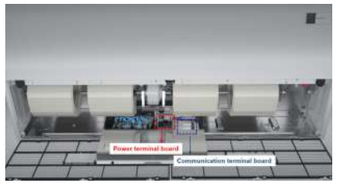
The display board is beautiful built in design, with good sealing, moisture-proof and long reliable life.

▶ Anti-condensation

Industry-leading anti-condensation insulation design of the air outlet.

▶ Safe and Reliable

Separate design of power and communication terminal to ensure safety.

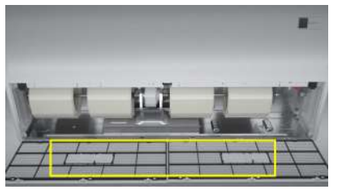


▶ Fresh air intake

Fresh air intake hole design can introduce fresh air to ensure high air quality in the room.

▶ Optional filter

A variety of health filters can be selected to improve room air quality.

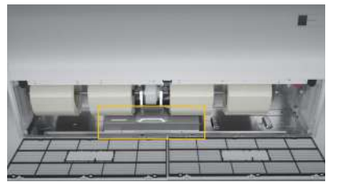


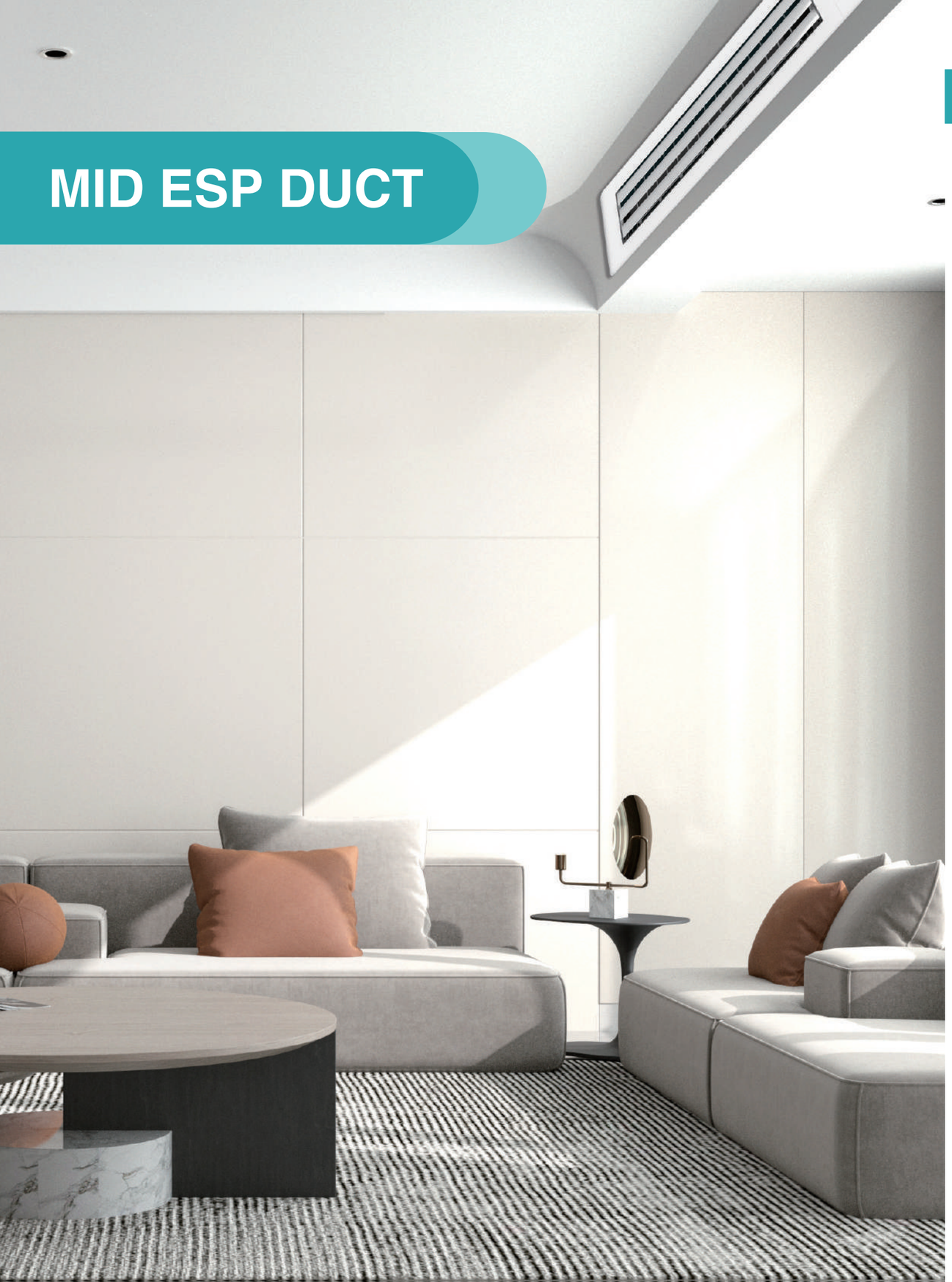
▶ Easy drainage

Left and right water outlet design of water connection plate, flexible for installation site.

▶ Easy Maintenance

Enough space to maintenance, no need to take out the whole electrical control box.



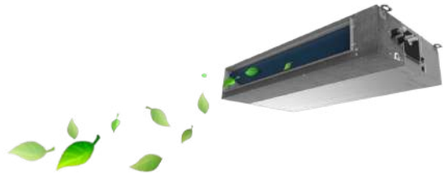


MID ESP DUCT

Feature

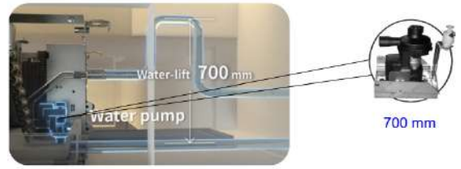
▶ Fresh air inlet

Fresh air inlet design, fresh air can be introduced to ensure fresh air in the room.



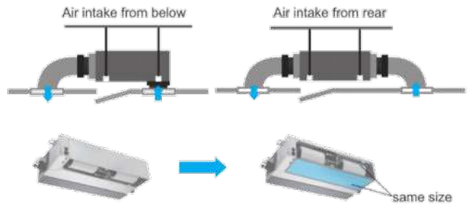
▶ Silent water pump

Select silent water pump to ensure different customer installation requirements.



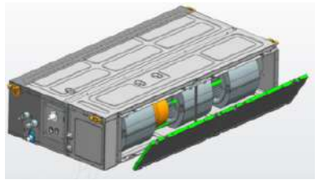
▶ Two return air modes are selected

Two return air modes are selected (back return air and down return air), Easy to change.



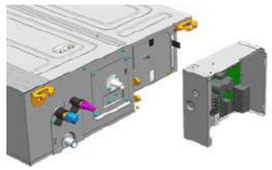
▶ W Type High effeciency filter screen

Easy disassembly (0 Screws)
Convenient to wash
High effeciency (W type)



▶ Electronic control is easy to maintain

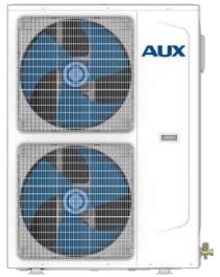
Quickly remove 1 screw from the left and right end cover. Change the direction of output line, maintenance without shielding, increase the maintenance space.



▶ Double drain holes

Double drainage design on the left and right side of the water plate, flexible to adapt to the installation site.

Outdoor Unit



Specification-R32

Model	Outdoor		AL-C18/4R3B-R(U)	AL-C24/4R3B-R(U)	AL-C30/4R3B-R(U)
Power Supply		V~,Hz,Ph	220-240V~ ,50Hz,1	220-240V~ ,50Hz,1	220-240V~ ,50Hz,1
Air Flow Volume		m^3/h	2500	3300	3500
Noise Level		dB(A)	55	57	57
Dimension (W×D×H)	Net	mm	800×315×545	825×310×655	900×350×700
	Packing	mm	920×400×620	945×435×725	1020×430×770
Weight	Net/Gross	kg	36/39	44/48	53/57
Refrigerant Piping	Liquid Side	mm	6.35	9.52	9.52
	Gas Side	mm	12.70	15.88	15.88
	Max. Length	m	20.00	30.00	30.00
	Max. Height	m	15.00	20.00	20.00

Specification-R32

Model	Outdoor		AL-C36/5R3B-R(U)	AL-C48/5R3B-R(U)	AL-C60/5R3B-R(U)
Power Supply		V~,Hz,Ph	380-415V~ ,50Hz,3	380-415V~ ,50Hz,3	380-415V~ ,50Hz,3
Air Flow Volume		m^3/h	3850	3850	7500
Noise Level		dB(A)	57	58	60
Dimension (W×D×H)	Net	mm	970×395×805	970×395×805	940×340×1325
	Packing	mm	1105×495×890	1105×495×890	1070×450×1435
Weight	Net/Gross	kg	61/65	72/76	90/100
Refrigerant Piping	Liquid Side	mm	9.52	9.52	9.52
	Gas Side	mm	15.88	15.88	19.05
	Max. Length	m	30.00	50.00	50.00
	Max. Height	m	20.00	30.00	30.00

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

Cassette

Specification-R32

Model	Indoor		ALCA-18/4R3YBA-R	ALCA-C24/4R3YB-R	ALCA-C30/4R3YB-R
	Outdoor		AL-C18/4R3B-R(U)	AL-C24/4R3B-R(U)	AL-C30/4R3B-R(U)
Capacity	Cooling	Btu/h	18000	24000	30000
		kW	5.28	7.03	8.79
Electric Data	Power Supply	V~,Hz,Ph	220-240V~ ,50Hz,1	220-240V~ ,50Hz,1	220-240V~ ,50Hz,1
	Cooling Power Input	kW	1.76	2.34	2.74
	Cooling Current	A	8.00	9.20	11.30
Performance	EER	W/W	3.00	3.00	3.21
	Air Flow Volume	m^3/h	1200/1000/800	1400/1200/1050	1800/1450/1250
	Noise Level	dB(A)	43/40/36	46/42/39	52/47/43
Dimension (W×D×H)	Net(Body)	mm	840×840×246	840×840×246	840×840×246
	Packing(Body)	mm	910×910×310	910×910×310	910×910×310
	Net(Panel)	mm	950x950x55	950x950x55	950x950x55
	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100
Weight	Net/Gross (Body)	kg	22/26	25/29	26/30
	Net/Gross (Panel)	kg	5.3/7.8	5.3/7.8	5.3/7.8
Piping size	Drainage	mm(Inch)	DN20	DN20	DN20

Specification-R32

Model	Indoor		ALCA-C36/5R3YB-R	ALCA-C48/5R3YB-R	ALCA-C60/5R3YB-R
	Outdoor		AL-C36/5R3B-R(U)	AL-C48/5R3B-R(U)	AL-C60/5R3B-R(U)
Capacity	Cooling	Btu/h	36000	48000	60000
		kW	10.55	14.07	17.58
Electric Data	Power Supply	V~,Hz,Ph	380-415 ,50Hz,3	380-415 ,50Hz,3	380-415 ,50Hz,3
	Cooling Power Input	kW	3.60	4.67	5.71
	Cooling Current	A	6.69	8.35	10.00
Performance	EER	W/W	2.93	3.01	3.08
	Air Flow Volume	m^3/h	1800/1450/1250	1900/1600/1400	1900/1600/1400
	Noise Level	dB(A)	52/47/43	52/47/43	52/47/43
Dimension (W×D×H)	Net(Body)	mm	840×840×246	840×840×288	840×840×288
	Packing(Body)	mm	910×910×310	910×910×350	910×910×350
	Net(Panel)	mm	950x950x55	950x950x55	950x950x55
	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100
Weight	Net/Gross (Body)	kg	26/30	29/33	29/33
	Net/Gross (Panel)	kg	5.3/7.8	5.3/7.8	5.3/7.8
Piping size	Drainage	mm(Inch)	DN20	DN20	DN20

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Ceiling&Floor

Specification-R32

Model	Indoor		ALCF-C18/4R3FB-R	ALCF-C24/4R3FB-R	ALCF-C30/4R3FB-R
	Outdoor		AL-C18/4R3B-R(U)	AL-C24/4R3B-R(U)	AL-C30/4R3B-R(U)
Capacity	Cooling	Btu/h	18000	24000	30000
		kW	5.28	7.03	8.79
Electric Data	Power Supply	V~,Hz,Ph	220-240V~ ,50Hz,1	220-240V~ ,50Hz,1	220-240V~ ,50Hz,1
	Cooling Power Input	kW	1.76	2.34	2.74
	Cooling Current	A	8.00	9.20	11.30
Performance	EER	W/W	3.00	3.00	3.21
	Air Flow Volume	m^3/h	950/700/560	1100/800/660	1520/1260/800
	Noise Level	dB(A)	44/38/33	46/40/45	50/46/42
Dimension (W×D×H)	Net	mm	1000×690×235	1000×690×235	1280×690×235
	Packing	mm	1080×770×325	1080×770×325	1360×770×325
Weight	Net/Gross	kg	28/32	31/35	36/42
Piping size	Drainage	mm(Inch)	DN20	DN20	DN20

Specification-R32

Model	Indoor		ALCF-C36/5R3FB-R	ALCF-C48/5R3FB-R	ALCF-C60/5R3FB-R
	Outdoor		AL-C36/5R3B-R(U)	AL-C48/5R3B-R(U)	AL-C60/5R3B-R(U)
Capacity	Cooling	Btu/h	36000	48000	60000
		kW	10.55	14.07	17.58
Electric Data	Power Supply	V~,Hz,Ph	380-415 ,50Hz,3	380-415 ,50Hz,3	380-415 ,50Hz,3
	Cooling Power Input	kW	3.60	4.67	5.71
	Cooling Current	A	6.49	8.35	10.00
Performance	EER	W/W	2.93	3.01	3.08
	Air Flow Volume	m^3/h	1520/1260/800	2150/1900/1350	2150/1900/1350
	Noise Level	dB(A)	50/46/42	52/47/43	52/47/43
Dimension (W×D×H)	Net	mm	1280×690×235	1600×690×235	1600×690×235
	Packing	mm	1360×770×325	1680×770×325	1680×770×325
Weight	Net/Gross	kg	36/42	44/50.5	44/50.5
Piping size	Drainage	mm(Inch)	DN20	DN20	DN20

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

Mid ESP Duct

Specification-R32

Model	Indoor		ALLD-C18/4R3YB-R	ALMD-C24/4R3MB-R	ALMD-C30/4R3MB-R
	Outdoor		AL-C18/4R3B-R(U)	AL-C24/4R3B-R(U)	AL-C30/4R3B-R(U)
Capacity	Cooling	Btu/h	18000	24000	30000
		kW	5.28	7.03	8.79
Electric Data	Power Supply	V~,Hz,Ph	220-240V~ ,50Hz,1	220-240V~ ,50Hz,1	220-240V~ ,50Hz,1
	Cooling Power Input	kW	1.73	2.34	2.74
	Cooling Current	A	8.00	9.20	11.30
Performance	EER/COP	W/W	3.05	3.00	3.21
	Air Flow Volume	m^3/h	950/700/650/520	1350/1250/1150/950	1600/1450/1320/1250
	Noise Level	dB(A)	37/35/31/28	42/39/36/33	45/41/38/35
	ESP	Pa	25	37	37
Dimension (W×D×H)	Net	mm	1000×450×200	1000x700x245	1000x700x245
	Packing	mm	1300×555×275	1230×830×300	1230×830×300
Weight	Net/Gross	kg	24/28	32/37	32/37
Piping size	Drainage	mm(Inch)	DN20	DN20	DN20

Specification-R32

Model	Indoor		ALMD-C36/5R3MB-R	ALMD-C48/5R3MB-R	ALMD-C60/5R3MB-R
	Outdoor		AL-C36/5R3B-R(U)	AL-C48/5R3B-R(U)	AL-C60/5R3B-R(U)
Capacity	Cooling	Btu/h	36000	48000	60000
		kW	10.55	14.07	17.58
Electric Data	Power Supply	V~,Hz,Ph	380-415 ,50Hz,3	380-415 ,50Hz,3	380-415 ,50Hz,3
	Cooling Power Input	kW	3.60	4.67	5.71
	Cooling Current	A	6.69	8.35	10.00
Performance	EER/COP	W/W	2.93	3.01	3.08
	Air Flow Volume	m^3/h	1600/1450/1320/1250	2200/1900/1700/1500	2200/1900/1700/1500
	Noise Level	dB(A)	45/41/38/35	48/44/42/39	48/44/42/39
	ESP	Pa	37	50	50
Dimension (W×D×H)	Net	mm	1000x700x245	1400×700×245	1400×700×245
	Packing	mm	1230×830×300	1630×830×300	1630×830×300
Weight	Net/Gross	kg	32/37	42/48	42/48
Piping size	Drainage	mm(Inch)	DN20	DN20	DN20

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

03

Commercial FloorStanding / High ESP Duct

▶Feature

Efficiency

Healthy

Comfortable

Intelligent

Easy control

Easy maintenance

Commercial High ESP Duct

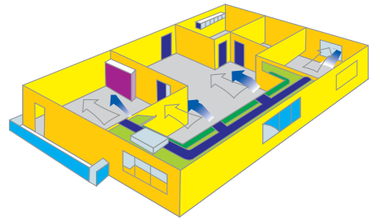
Feature

▶ Three Speeds Fan Motor

Outdoor unit 3 fan speeds with better low temp. cooling

▶ Long Distance Air Supply

High ESP design makes the air supply the longest distance(50m), and the air supplied is distributed well.



▶ Wide Operation Range

Advanced system design,strict system matching and test,the unit could operate perfectly between 52℃ in hot summer and -15℃ in cold winter making you feel like spring all year around.

FLOOR&STANDING

FEATURES

optional standard

- Remote Control
- Auto Restart Function
- Fast Cooling/ Heating
- Compressor Heating belt
- Hydrophilic Aluminum Fin
- Auto swing
- Low Ambient Cooling
- Long-term Filter
- Anti-Cold-Air
- Self-diagnosis Function
- Intelligent Defrosting
- Central Control
- WIFI Control

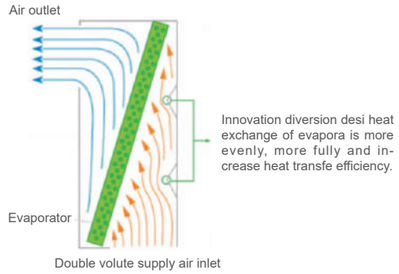
Feature

▶ Touch Screen Design

Elegant touch screen design, longer lifetime than traditional button design.

▶ Innovative Diversion Design

The special design at air inlet side makes strong air flow more even and more efficient.



▶ Ultra-Slim Design

The indoor unit is only 36cm in width, save installation space.

▶ Muti application

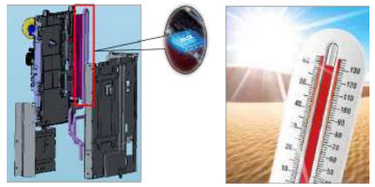
Strong cooling capacity, large air volume, and long air supply distances, making it suitable for large spaces such as waiting room、 exhibition halls、restaurants and factories.

▶ Fast cooling

Use advanced inverter technology to get fast cooling in 1min.

▶ Wide temperature range

Use refrigerant cooling technology to reduce the main controller temperature to realize cooling under 50°C ambient temperature.



High ESP Duct

Specification-R410A Side Discharge

Model	Indoor		ALHD-H80/5R1S	ALHD-H100/5R1S	ALHD-H100/5DR1A
	Outdoor		AL-H80/5R1S(HD)	AL-H100/5R1S(HD)	AL-H100/5DR1A(U)
Indoor					
Capacity	Cooling/Heating	Btu/h	75100/83600	95500/105800	95500/105800
		kW	22.00/24.50	28.00/31.00	28.00/31.00
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	kW	8.30/7.50	10.60 /9.48	11.40/9.48
	Cooling/Heating Current	A	13.41/12.10	17.07/15.35	19.50/16.00
Performance	EER/COP	W/W	2.65/3.27	2.64/3.27	2.46/3.27
Indoor	Net Dimension	mm	1350×700×460	1350×700×460	1388×715×480
	Packing Dimension	mm	1540×810×610	1540×810×610	1540×810×610
	Net/Gross Weight	kg	90/110	91/111	95/112
	Air Flow Volume	m^3/h	5000/4000/3600	5000/4000/3600	5000/4000/3600
	Noise Leve	dB(A)	55	55	55
	ESP	Pa	150	150	200
Outdoor					
Outdoor	Net Dimension	mm	1120×400×1510	1120×400×1510	1120×400×1540
	Packing Dimension	mm	1270×545×1710	1270×545×1710	1270×545×1680
	Net/Gross Weight	kg	175/190	176/191	143/152
	Air Flow Volume	m^3/h	6000×2	6000×2	6000×2
	Noise Level	dB(A)	58	58	76
Piping size	Liquid Side	mm(inch)	9.52(3/8)×2	9.52(3/8)×2	9.52(3/8)
	Gas Side	mm(inch)	19.05(3/4)×2	19.05(3/4)×2	22(7/8)
	Max. Length	m	50	50	50
	Max. Height	m	20	20	30

**R1S : non-inverter
**R1A : inverter

Floor&Standing

Specification-R410A Side Discharge

Model	Indoor		ALFS-H80/5R1S	ALFS-H100/5R1S	ALFS-H100/5DR1A
	Outdoor		AL-H80/5R1S(FS)	AL-H100/5R1S(FS)	AL-H100/5DR1A(U)
Indoor					
Capacity	Cooling / Heating	Btu/h	75100/83600	95500/105800	95500/105800
		kW	22.00/24.50	28.00/31.00	28.00/31.00
Electric Data	Power Supply	V~,Hz,Ph	220-240,50.1	220-240,50.1	220~240,50,1
	Cooling / Heating Power Input	kW	7.86/8.01	10.07/10.13	10.07/10.13
	Cooling / Heating Current	A	13.27 / 15.50	17.00/19.75	17.00/17.10
Performance	EER / COP	W/W	2.80/3.05	2.78/3.06	2.78/3.06
Indoor	Net Dimension	mm	1200×360×1850	1200×360×1850	1200×360×1850
	Packing Dimension	mm	1270×430×2000	1270×430×2000	1270×430×2000
	Net / Gross Weight	kg	110/130	111/131	135/155
	Air Flow Volume	m^3/h	3800/3500/3200	3800/3500/3200	3800/3500/3200
	Noise Level	dB(A)	56	56	64
Outdoor					
Outdoor	Net Dimension	mm	1120×400×1510	1120×400×1510	1120×400×1510
	Packing Dimension	mm	1270×545×1710	1270×545×1710	1270×545×1680
	Net Weight	kg	175/190	176/191	146/152
	Air Flow Volume	m^3/h	6000×2	6000×2	6000×2
	Noise Level	dB(A)	58	58	61
Piping size	Liquid Side	mm(inch)	9.52(3/8)×2	9.52(3/8)×2	9.52(3/8)
	Gas Side	mm(inch)	19.05(3/4)×2	19.05(3/4)×2	22(7/8)
	Max. Length	m	50	50	50
	Max. Height	m	20	20	30

**R1S : non-inverter
**R1A : inverter

04

Inverter Cooling Only Series

▶ Feature

- Efficiency
- Healthy
- Comfortable
- Intelligent
- Easy control
- Easy maintenance

Inverter Cooling Only Series

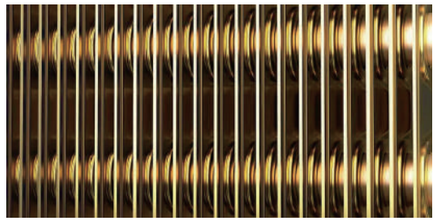
Feature

▶ Inverter Compressor

The compressor adopts the latest DC inverter technology, which greatly improves the working performance and saves up to 30% energy compared with ON/OFF type.

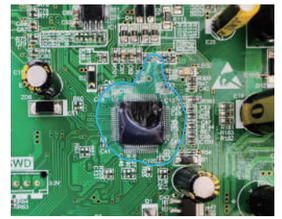
▶ Golden Anti-corrosion Fin

Better anti-corrosion compared with blue one, which is especially suitable for the coastal areas.



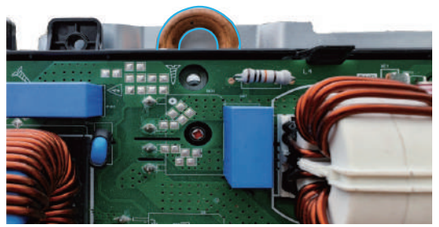
▶ Coated Circuit Board

The circuit board is coated with protective coating to avoid the impact of humid air on the PCB and prolong its service life.



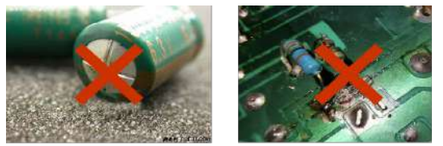
▶ Refrigerant-cooling PCB

The latest refrigerant cooling technology is adopted to improve the heat dissipation efficiency of the PCB, ensure the safe and stable operation of the PCB,and prolong the service life.



▶ New inverter technology(patent)

The new patented inverter technology without Electrolytic capacitor solves the after-sales problems such as capacitor bulge and leakage in the traditional Electrolytic capacitor drive scheme.



capacitor bulge and leakage

Fast Cooling | Wide Temp. Range | Wide Voltage Range | Long Piping | High/Low Voltage Protection | Discharge Temp. Protection | Refrigerant Pressure Protection

CASSETTE

Feature

▶ 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

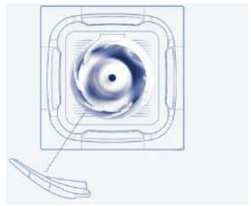
Round flow panel make the air diffuse from 360°direction, and the temperature distribution is more uniform.

▶ 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.

Feature

▶ Screen display function

When the unit is running, the light panel icon can be set to display or not to display to meet the needs of different customers.

▶ Fresh air

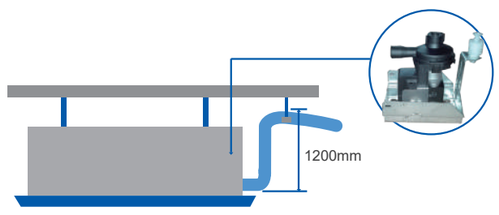
And long-term use will not cause dizziness, healthy and comfortable.

▶ Auto clean

Automatic cleaning of evaporator, cleaning of dust and dirt, healthy and comfortable.

▶ Built-in Drain Pump

Built in drainage pump with a lift of up to 1200mm, suitable for more installation occasions and more efficient drainage.



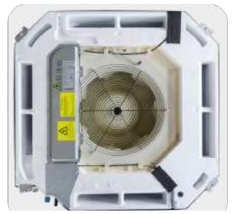
▶ Anti-leakage water pan

Using 1.5mm thick plastic drain pan, with high waterproof performance and effective prevention of water seepage.

Feature

▶ Fire-proof cover

The fireproof electric control box made of metal materials has higher safety, ensuring the safe operation of the unit.

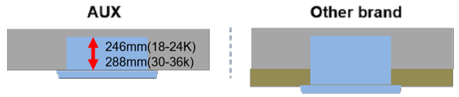


▶ Reliable control board

Hot melt adhesive is applied around the electronic components to keep the components stable.

▶ Compact body size

The thickness of the body is 246mm, occupying less ceiling space and making installation more convenient.



▶ Removable grille

No need for tools, just press lightly to open the grille, making installation more convenient.

▶ Wifi & Room card

Optional WiFi, room card functions to meet intelligent needs.

▶ Weekly timer

Set the operating time of the unit in one week , without having to manually turn it on every time, and no need to worry about forget to turn off the unit after getting off work.

CEILING&FLOOR

Feature

▶ Long Air Supply Distance

Up to 14m,meet large room requirement.

▶ Beautiful Design of Display Board

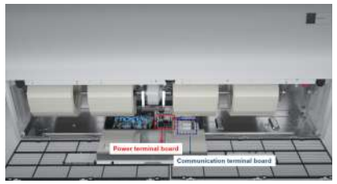
The display board is beautiful built in design, with good sealing, moisture-proof and long reliable life.

▶ Anti-condensation

Industry-leading anti-condensation insulation design of the air outlet.

▶ Safe and Reliable

Separate design of power and communication terminal to ensure safety.

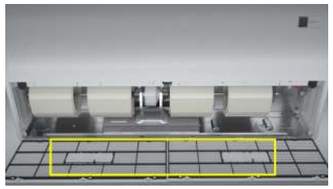


▶ Fresh air intake

Fresh air intake hole design can introduce fresh air to ensure high air quality in the room.

▶ Optional filter

A variety of health filters can be selected to improve room air quality.

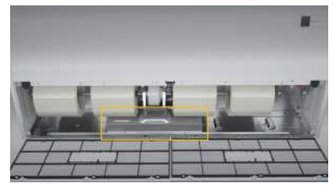


▶ Easy drainage

Left and right water outlet design of water connection plate, flexible for installation site.

▶ Easy Maintenance

Enough space to maintenance, no need to take out the whole electrical control box.

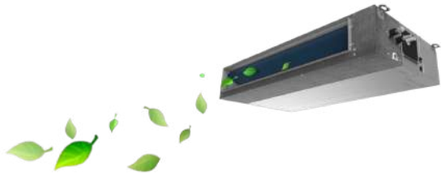


MID ESP DUCT

Feature

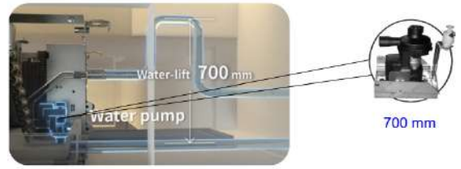
▶ Fresh air inlet

Fresh air inlet design, fresh air can be introduced to ensure fresh air in the room.



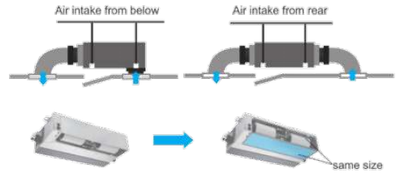
▶ Silent water pump

Select silent water pump to ensure different customer installation requirements.



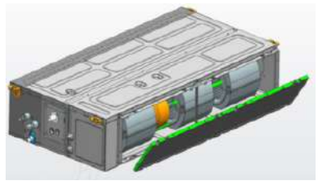
▶ Two return air modes are selected

Two return air modes are selected (back return air and down return air), Easy to change.



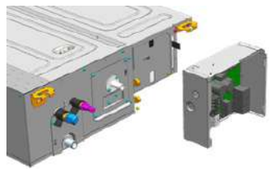
▶ W Type High effeciency filter screen

Easy disassembly (0 Screws)
Convenient to wash
High effeciency (W type)



▶ Electronic control is easy to maintain

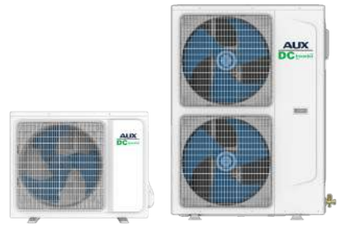
Quickly remove 1 screw from the left and right end cover. Change the direction of output line, maintenance without shielding, increase the maintenance space.



▶ Double drain holes

Double drainage design on the left and right side of the water plate, flexible to adapt to the installation site.

Specification-R32 cooling only



Model			AL-C18/4DR3YA(U)	AL-C24/4DR3YA(U)	AL-C30/4DR3YA(U)	AL-30/4DR3A-T(U)	AL-C36/4DR3YA(U)
Power Supply		V~,Hz,Ph	220-240V~,50Hz,1	220-240V~,50Hz,1	220-240V~,50Hz,1	220-240V~,50Hz,1	220-240V~,50Hz,1
Air Flow Volume		CFM	1353	1941	2059	2059	2059
		m3/h	2300	3300	3500	3500	3500
Noise Level		dB(A)	52	55	57	57	57
Noise Power Level		dB(A)	62	65	67	67	67
Dimension (W×D×H)	Net	mm	709×536×280	825×310×655	900×350×700	900×360×700	900×350×700
	Packing	mm	825×345×595	945×435×725	1020×430×760	1020×430×760	1020×430×760
Weight	Net	kg	23	35.5	39	40	45
	Gross	kg	25	39	44	44	48
Refrigerant Piping	Liquid Side	mm	6.35	6.35	9.52	9.52	9.52
	Gas Side	mm	12.7	12.7	15.88	15.88	15.88
	Max. Length	m	20	30	30	30	30
	Max. Height	m	15	20	20	20	20

Model			AL-C42/4DR3YA(U)	AL-C48/5DR3YA(U)	AL-48/5DR3A-T(U)	AL-60/5DR3A-T(U)
Power Supply		V~,Hz,Ph	220-240V~,50Hz,1	380-415V~,50Hz,3	380~415V~,50Hz,3	380~415V~,50Hz,3
Air Flow Volume		CFM	2265	2265	2265	4235
		m3/h	3850	3850	3850	7200
Noise Level		dB(A)	57	58	58	60
Noise Power Level		dB(A)	68	68	68	70
Dimension (W×D×H)	Net	mm	970×395×805	970×395×803	970×395×805	940×370×1325
	Packing	mm	1105×495×885	1105×495×885	1105×495×885	1180×430×1440
Weight	Net	kg	55	62.5	62.5	75.5
	Gross	kg	59.5	67	67	84
Refrigerant Piping	Liquid Side	mm	9.52	9.52	9.52	9.52
	Gas Side	mm	15.88	15.88	15.88	19.05
	Max. Length	m	50	50	50	50
	Max. Height	m	30	30	30	30

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Inverter Cooling Only Series

Cassette

Model	Indoor		ALCA-C18/4DR3YAB	ALCA-C24/4DR3YAB	ALCA-C30/4DR3YAB
	Outdoor		AL-C18/4DR3YA(U)	AL-C24/4DR3YA(U)	AL-C30/4DR3YA(U)
IDU Power Supply		V~,Hz,Ph	220-240V~,50Hz,1	220-240V~,50Hz,1	220-240V~,50Hz,1
Capacity	Cooling	Btu/h	18000	24000	30000
		kW	5.28(1.58~5.59)	7.03(2.16~7.25)	8.79(2.72~9.45)
Electric Data	Rated Cooling Power Input	kW	1.60(0.43~1.90)	2.3(0.65~2.36)	2.70(0.48~3.50)
	Rated Cooling Current	A	8.0(2.18~8.70)	10.2(2.82~10.3)	12.50(2.11~16.00)
Performance	EER	W/W	3.30	3.06	3.26
	SEER(India)		4.0	3.9	3.5
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m3/h	1100/950/800	1500/1200/1050	1500/1200/1050
	Noise Level(Hi/Mi/Lo)	dB(A)	42/39/36	46/42/39	46/42/39
	Noise Power Level(Hi/Mi/Lo)	dB(A)	52/48/46	56/52/49	56/52/49
Dimension (W×D×H)	Net(Body)	mm	840×840×246	840×840×246	840×840×246
	Packing(Body)	mm	910×910×310	910×910×310	910×910×310
	Net(Panel)	mm	950x950x55	950x950x55	950x950x55
	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100
Weight	Net(Body)	kg	25	25	25
	Gross(Body)	kg	29	29	29
	Net (Panel)	Kg	5.3	5.3	5.3
	Gross (Panel)	Kg	7.8	7.8	7.8
Refrigerant Pipe	Liquid Side	mm	6.35	6.35	9.52
	Gas Side	mm	12.7	12.7	15.88

Model	Indoor		ALCA-C36/4DR3YAB	ALCA-C48/5DR3YAB
	Outdoor		AL-C36/4DR3YA(U)	AL-C48/5DR3YA(U)
IDU Power Supply		V~,Hz,Ph	220-240V~,50Hz,1	220-240V~,50Hz,1
Capacity	Cooling	Btu/h	36000	48000
		kW	10.55(2.95~11.11)	14.07(4.76-14.20)
Electric Data	Rated Cooling Power Input	kW	3.50(0.51~3.63)	5.20(1.21~6.10)
	Rated Cooling Current	A	15.55(2.21~16.80)	9.00(2.50~10.50)
Performance	EER	W/W	3.01	2.71
	SEER(India)		3.6	/
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m3/h	1800/1450/1250	1900/1450/1250
	Noise Level(Hi/Mi/Lo)	dB(A)	53/51/47	51/47/44
	Noise Power Level(Hi/Mi/Lo)	dB(A)	63/61/57	61/57/54
Dimension (W×D×H)	Net(Body)	mm	840×840×246	840×840×288
	Packing(Body)	mm	910×910×310	915×915×355
	Net(Panel)	mm	950x950x55	950x950x55
	Packing(Panel)	mm	1000x1000x100	1000x1000x100
Weight	Net(Body)	kg	25	28
	Gross(Body)	kg	29	32
	Net (Panel)	Kg	5.3	5.3
	Gross (Panel)	Kg	7.8	7.8
Refrigerant Pipe	Liquid Side	mm	9.52	9.52
	Gas Side	mm	15.88	15.88

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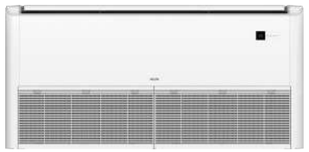
Ceiling&Floor



Model	Indoor		ALCF-C18/4DR3FA	ALCF-C24/4DR3FA	ALCF-30/4DR3FA-T	ALCF-C36/4DR3FA
	Outdoor		AL-C18/4DR3YA(U)	AL-C24/4DR3YA(U)	AL-30/4DR3A-T(U)	AL-C36/4DR3YA(U)
IDU Power Supply		V~,Hz,Ph	220-240V~,50Hz,1	220-240V~,50Hz,1	220-240V~,50Hz,1	220-240V~,50Hz,1
Capacity	Cooling	Btu/h	18000	24000	30000	36000
		kW	5.28(1.58~5.59)	7.03(2.16~7.25)	8.79(2.72~9.45)	10.55(2.95~11.11)
Electric Data	Rated Cooling Power Input	kW	1.60(0.43~1.9)	2.3(0.65~2.36)	2.9(0.48~3.50)	3.50(0.51~3.63)
	Rated Cooling Current	A	8.0(2.18~8.70)	10.2(2.82~10.3)	13.5(2.11~16.0)	15.55(2.21~16.80)
Performance	EER	W/W	3.30	3.06	3.03	3.03
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m3/h	950/700/560	1100/800/660	1450/1350/1100/900	1520/1260/800
	Noise Level(Hi/Mi/Lo)	dB(A)	44/38/33	46/40/35	48/46/42/39	50/46/42
	Noise Power Level(Hi/Mi/Lo)	dB(A)	54/48/43	56/50/45	58/56/52/49	60/56/52
Dimension (W×D×H)	Net(Body)	mm	1000×690×235	1000×690×235	1280×690×235	1280×690×235
	Packing(Body)	mm	1080×770×325	1080×770×325	1360×770×325	1360×770×325
Weight	Net(Body)	kg	27	28	33	35
	Gross(Body)	kg	31.5	33	38	40
Refrigerant Pipe	Liquid Side	mm	6.35	6.35	9.52	9.52
	Gas Side	mm	12.7	12.7	15.88	15.88

Model	Indoor		ALCF-C42/4DR3FA	ALCF-48/5DR3FA-T	ALCF-60/4DR3FA-T
	Outdoor		AL-C42/4DR3YA(U)	AL-48/5DR3A-T(U)	AL-60/4DR3A-T(U)
IDU Power Supply		V~,Hz,Ph	220-240V~,50Hz,1	220-240V~,50Hz,1	220-240V~,50Hz,1
Capacity	Cooling	Btu/h	42000	48000	60000
		kW	12.31(4.61-12.5)	14.07(4.76-14.8)	17.6(5.2-18.0)
Electric Data	Rated Cooling Power Input	kW	4.7(1.31-4.9)	5.4(1.70-6.5)	6.8(2.04-7.2)
	Rated Cooling Current	A	8.15(1.11-8.3)	9.0(2.5-10.5)	11.5(3.45-13.8)
Performance	EER	W/W	2.62	2.61	2.59
Indoor Unit	Indoor Air Flow (Hi/Mi/Lo)	m3/h	2100/1740/1440	2100/1740/1440	2100/1740/1440
	Noise Level(Hi/Mi/Lo)	dB(A)	51/46/42	51/49/46/42	51/46/42
	Noise Power Level(Hi/Mi/Lo)	dB(A)	61/56/52	61/59/56/52	61/56/52
Dimension (W×D×H)	Net(Body)	mm	1600×690×235	1600×690×235	1600×690×235
	Packing(Body)	mm	1680×770×325	1680×770×325	1680×770×325
Weight	Net(Body)	kg	40	41.5	42.5
	Gross(Body)	kg	46	47	48.5
Refrigerant Pipe	Liquid Side	mm	9.52	9.52	9.52
	Gas Side	mm	15.88	15.88	19.05

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Mid ESP Duct

Model	Indoor		ALLD-C18/4DR3YA	ALMD-C24/4DR3MA	ALMD-C36/4DR3MA	ALMD-C48/5DR3MA
	Outdoor		AL-C18/4DR3YA(U)	AL-C24/4DR3YA(U)	AL-C36/4DR3YA(U)	AL-C48/5DR3YA(U)
IDU Power Supply		V~,Hz,Ph	220-240V~ ,50Hz,1	220-240V~ ,50Hz,1	220-240V~,50Hz,1	220-240V~,50Hz,1
Capacity	Cooling	Btu/h	18000	24000	36000	48000
		kW	5.28(1.58~5.59)	7.03(2.16~7.25)	10.55(2.95~11.11)	14.07(4.76-14.2)
Electric Data	Rated Cooling Power Input	kW	1.60(0.43~1.9)	2.3(0.65~2.46)	3.50(0.51~3.63)	5.20(1.21~6.10)
	Rated Cooling Current	A	8.0(2.18~8.70)	10.2(2.82~10.7)	15.55(2.21~16.80)	9.00(2.50~10.50)
Performance	EER	W/W	3.30	3.06	3.03	2.71
Indoor Unit	Indoor Air Flow (T/H/M/L)	m3/h	900/720/650/520	1350/1250/1150/950	1450/1300/1170/1100	2400/2100/1850/1600
	Noise Level(T/H/M/L)	dB(A)	35/32/28/25	40/37/35/33	46/42/36/34	50/45/43/40
	Noise Power Level(T/H/M/L)	dB(A)	45/42/38/35	50/47/45/43	56/52/46/44	60/55/53/50
	External Static Pressure(Range/High)	Pa	0-60	0-120	0-160	0-160
	External Static Pressure(Rated/High)	Pa	25	25	37	50
Dimension (W×D×H)	Net(Body)	mm	1000×460×200	1000x700x245	1000x700x245	1400×700×245
	Packing(Body)	mm	1300×580×275	1230×830×300	1230×830×300	1630×830×300
Weight	Net(Body)	kg	23	28	30	40
	Gross(Body)	kg	27	33.5	36	46.5
Refrigerant Pipe	Liquid Side	mm	6.35	6.35	9.52	9.52
	Gas Side	mm	12.7	12.7	15.88	15.88