AUX

2021

LIGHT COMMERCIAL(EU)

GROUP PROFILE

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

In 2019, the group sales reached RMB 73.5billion, with total assets of RMB61.8billion, It has over 30,000 employees, and 10 manufacturing bases in Ningbo(3) ,Nanchang, Tianjin, Ma' anshan , Zhengzhou(under construction) ,Brazil , Indonesia andThailand, 5 R & D centers. AUX is a leading producer of Smart Meter and Power Box inits sector, and has also ranked No.3 in the Air -Conditioning industry. Currently,it has 24 medical institutions.

It owns 2 listed companies (601567.SH, 02080.HK). As a National- RecognizedEnterprise Technology Center, a Technology Innovation Model Enterprise, NationalIntellectual Property Demonstration Enterprise and a National Post-doctoralWorkstation, it owns two globally famous brands: AUX and Sanxing, which worth overRMB 32 billion.

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

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

2019
Launched All DC Inverter ARV 6 Globally

2016
Launched All DC Inverter ARV 5X Globally

2011
Launched DC Inverter VRF System Globally

2007
Launched Digital Scroll ARV System

2004
Got CNAS Certificate

2001
Entered The CAC Field

1994
Started RAC Business

1986
Established AUX Group

Product Lineup

DC Inverter Series

Series	Appearance	Refrigerant	Type	12kBtu/h	18kBtu/h	24kBtu/h	30kBtu/h	36kBtu/h	42kBtu/h	48kBtu/h	60kBtu/h	Page
Outdoor Units		R32	High Efficiency	●	●	●	●	●	●	●	●	11
		R410A	High Efficiency		●	●	●		●	●	●	12
		R410A	Standard		●	●	●		●	●	●	13
Compact Cassette		R32	High Efficiency	●	●							16
		R410A	High Efficiency	●								17
		R410A	Standard	●								18
Cassette		R32	High Efficiency			●		●	●	●	●	16
		R410A	High Efficiency			●		●	●	●	●	17
		R410A	Standard			●	●	●	●	●		18
Ceiling&Floor		R32	High Efficiency		●	●	●	●	●	●	●	21
		R410A	High Efficiency		●	●	●	●	●	●	●	22
		R410A	Standard		●	●	●	●	●	●	●	23
Duct		R32	High Efficiency		●	●	●	●	●	●	●	26
		R410A	Standard		●	●	●	●		●	●	27

Inverter Series-Free match

Series	Appearance	Refrigerant	Type	14kBtu/h	18kBtu/h	21kBtu/h	27kBtu/h	36kBtu/h	42kBtu/h	Page
1 Drive 2		R32	DC Inverter	●	●					30
		R410A	DC Inverter	●	●					31
1 Drive 3		R32	DC Inverter			●	●			30
		R410A	DC Inverter			●	●			31
1 Drive 4		R32	DC Inverter					●		30
		R410A	DC Inverter					●		30
1 Drive 5		R32	DC Inverter						●	30
		R410A	DC Inverter						●	31

Inverter Series-Free match-Indoor Units

Series	Appearance	Refrigerant	Type	7kBtu/h	9kBtu/h	12kBtu/h	18kBtu/h	24kBtu/h	Page
L Type		R32	50Hz	●	●	●	●		34
F Type		R32	50Hz	●	●	●	●	●	34
J Type		R32	50Hz	●	●	●	●	●	35
H Type		R32	50Hz	●	●	●	●	●	35
Cassette		R32	50Hz		●	●	●	●	36
Slim Duct		R32	50Hz	●	●	●	●	●	36
F Type Ceiling&Floor		R32	50Hz		●		●		37

Inverter Series-Free match-Indoor Units

Series	Appearance	Refrigerant	Type	7kBtu/h	9kBtu/h	12kBtu/h	18kBtu/h	24kBtu/h	Page
L Type		R410A	50Hz	●	●	●	●		38
F Type		R410A	50Hz	●	●	●	●		38
Cassette		R410A	50Hz			●	●		39
E Type Slim Duct		R410A	50Hz	●	●	●	●		39
Y Type Slim Duct		R410A	50Hz	●	●	●	●	●	40
Ceiling&Floor		R410A	50Hz			●	●		40

On/Off Series

Series	Appearance	Refrigerant	Type	12kBtu/h	18kBtu/h	24kBtu/h	36kBtu/h	48kBtu/h	60kBtu/h	Page
Outdoor Units		R410A	ON/OFF	●	●	●	●	●	●	42
Compact Cassette		R410A	ON/OFF	●	●					44
Cassette		R410A	ON/OFF			●	●	●	●	44
Ceiling&Floor		R410A	ON/OFF		●	●	●	●		46
Mid ESP Duct		R410A	ON/OFF	●	●	●	●	●		48
High ESP Duct		R410A	ON/OFF					●	●	50

Commercial High ESP Duct/Floor Standing

Series	Appearance	Refrigerant	Type	80kBtu/h	100kBtu/h	Page
Outdoor Units		R410A	ON/OFF	●	●	53
High ESP Duct		R410A	ON/OFF	●	●	53
Floor Standing		R410A	ON/OFF	●	●	56

Compressor Condensing Unit

Series	Appearance	Refrigerant	Type	24kBtu/h	36kBtu/h	48kBtu/h	55kBtu/h	Page
CCU		R410A	ON/OFF	●	●	●	●	58

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.

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.

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.

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.
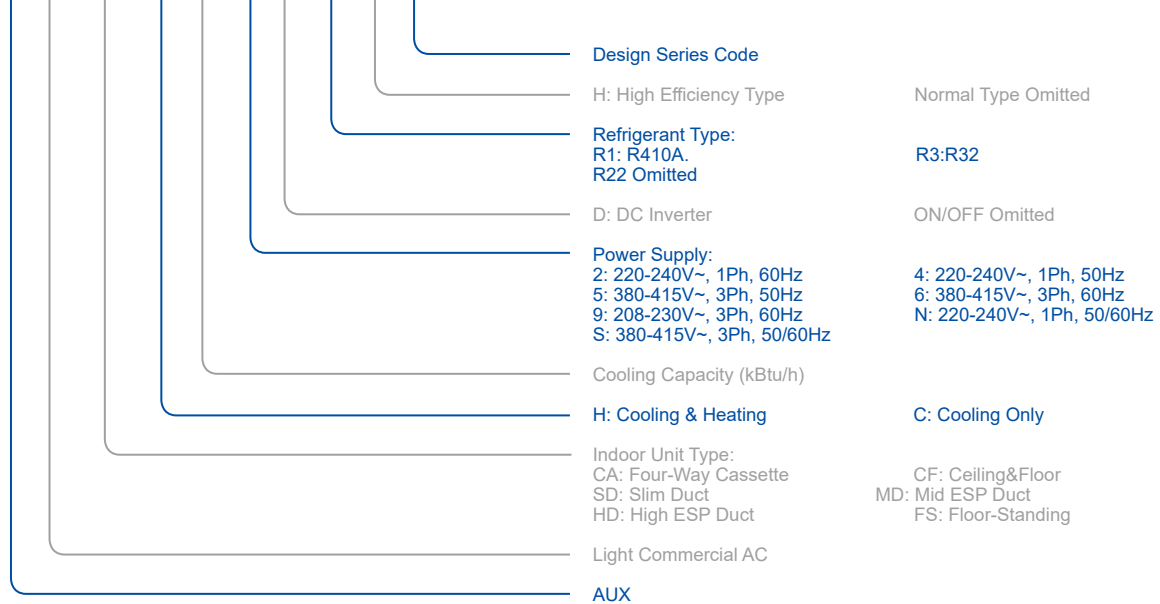
Auto Restart Function

If the air conditioner breaks off unexpectedly due to the power cut, it will restart with the previous setting mode automatically when the power resume.
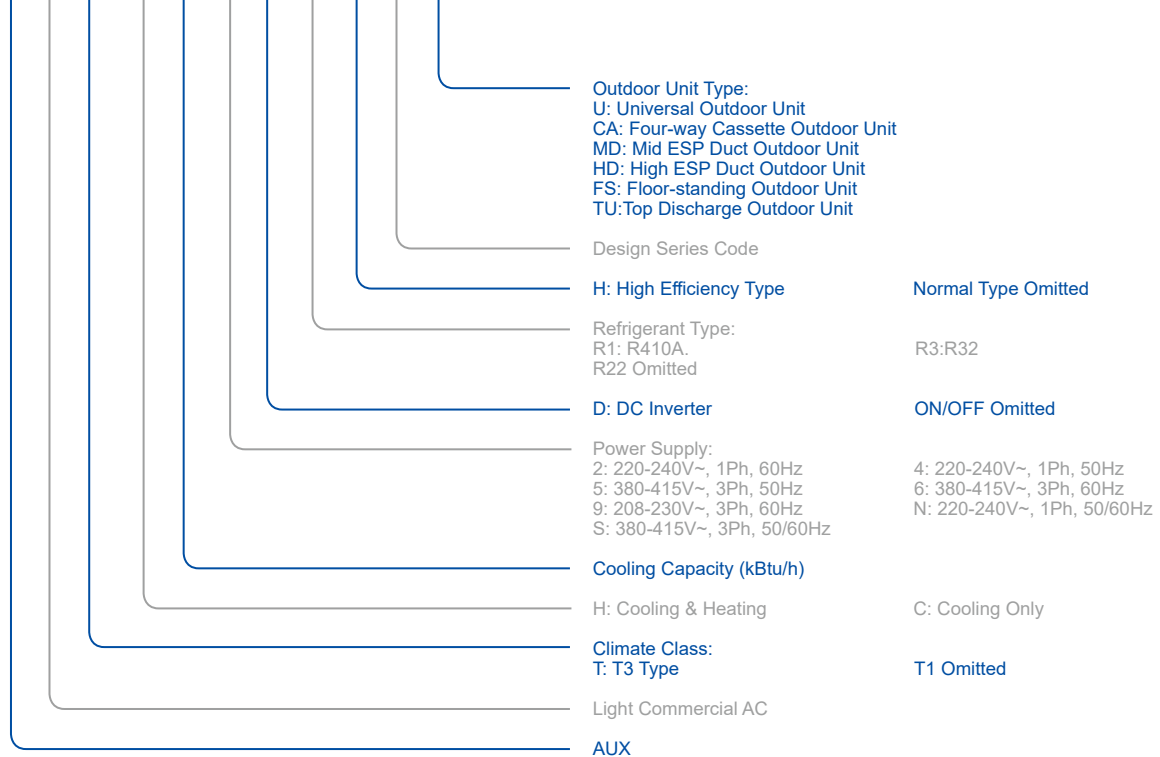
Nomenclature-Light Commercial
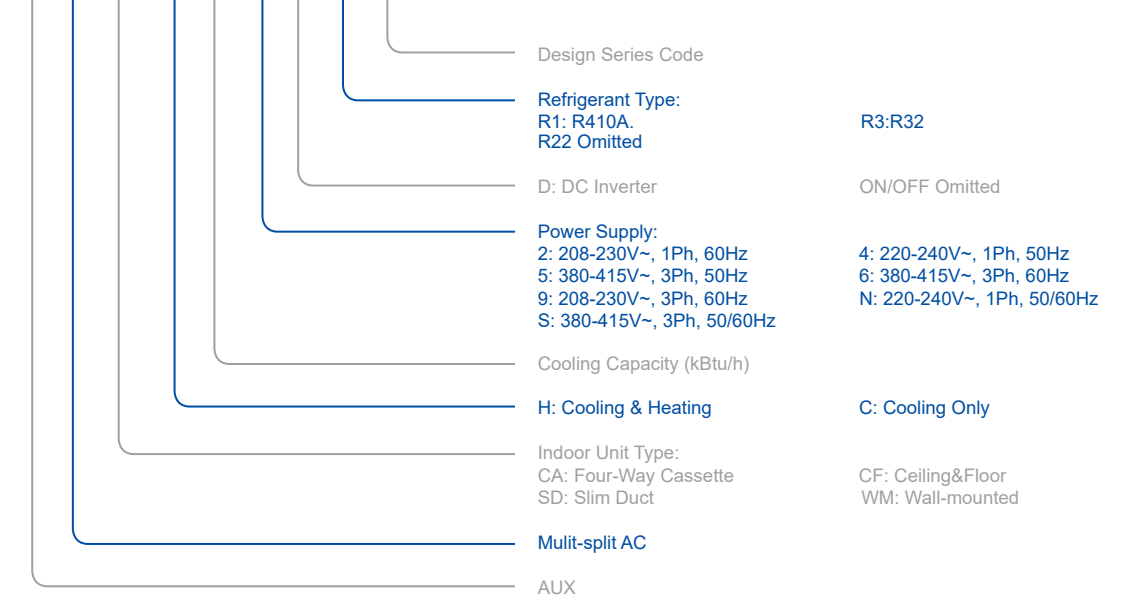
Indoor Unit

`A L CA - H 24 / 4 D R1 H A`

Design Series Code

H: High Efficiency Type   Normal Type Omitted

Refrigerant Type:
R1: R410A.   R3:R32
R22 Omitted

D: DC Inverter   ON/OFF Omitted

Power Supply:
2: 220-240V~, 1Ph, 60Hz   4: 220-240V~, 1Ph, 50Hz
5: 380-415V~, 3Ph, 50Hz   6: 380-415V~, 3Ph, 60Hz
9: 208-230V~, 3Ph, 60Hz   N: 220-240V~, 1Ph, 50/60Hz
S: 380-415V~, 3Ph, 50/60Hz

Cooling Capacity (kBtu/h)

H: Cooling & Heating   C: Cooling Only

Indoor Unit Type:
CA: Four-Way Cassette   CF: Ceiling&Floor
SD: Slim Duct   MD: Mid ESP Duct
HD: High ESP Duct   FS: Floor-Standing

Light Commercial AC

AUX

Outdoor Unit

`A L T - H 24 / 4 D R1 H A (U)`

Outdoor Unit Type:
U: Universal Outdoor Unit
CA: Four-way Cassette Outdoor Unit
MD: Mid ESP Duct Outdoor Unit
HD: High ESP Duct Outdoor Unit
FS: Floor-standing Outdoor Unit
TU:Top Discharge Outdoor Unit

Design Series Code

H: High Efficiency Type   Normal Type Omitted

Refrigerant Type:
R1: R410A.   R3:R32
R22 Omitted

D: DC Inverter   ON/OFF Omitted

Power Supply:
2: 220-240V~, 1Ph, 60Hz   4: 220-240V~, 1Ph, 50Hz
5: 380-415V~, 3Ph, 50Hz   6: 380-415V~, 3Ph, 60Hz
9: 208-230V~, 3Ph, 60Hz   N: 220-240V~, 1Ph, 50/60Hz
S: 380-415V~, 3Ph, 50/60Hz

Cooling Capacity (kBtu/h)

H: Cooling & Heating   C: Cooling Only

Climate Class:
T: T3 Type   T1 Omitted

Light Commercial AC

AUX

Nomenclature-Free Match

Indoor Unit

`A M CA - H 12 / 4 D R1 A`

Design Series Code

Refrigerant Type:
R1: R410A.   R3:R32
R22 Omitted

D: DC Inverter   ON/OFF Omitted

Power Supply:
2: 208-230V~, 1Ph, 60Hz   4: 220-240V~, 1Ph, 50Hz
5: 380-415V~, 3Ph, 50Hz   6: 380-415V~, 3Ph, 60Hz
9: 208-230V~, 3Ph, 60Hz   N: 220-240V~, 1Ph, 50/60Hz
S: 380-415V~, 3Ph, 50/60Hz

Cooling Capacity (kBtu/h)

H: Cooling & Heating   C: Cooling Only

Indoor Unit Type:
CA: Four-Way Cassette   CF: Ceiling&Floor
SD: Slim Duct   WM: Wall-mounted

Mulit-split AC

AUX

Outdoor Unit

`A M 2 - H 24 / 4 D R1 A`

Design Series Code

Refrigerant Type:
R1: R410A.   R3:R32
R22 Omitted

D: DC Inverter   ON/OFF Omitted

Power Supply:
2: 208-230V~, 1Ph, 60Hz   4: 220-240V~, 1Ph, 50Hz
5: 380-415V~, 3Ph, 50Hz   6: 380-415V~, 3Ph, 60Hz
9: 208-230V~, 3Ph, 60Hz   N: 220-240V~, 1Ph, 50/60Hz
S: 380-415V~, 3Ph, 50/60Hz

Cooling Capacity (kBtu/h)

H: Cooling & Heating   C: Cooling Only

2: 1 drive 2   3: 1 drive 3   4: 1 drive 4

Mulit-split AC

AUX
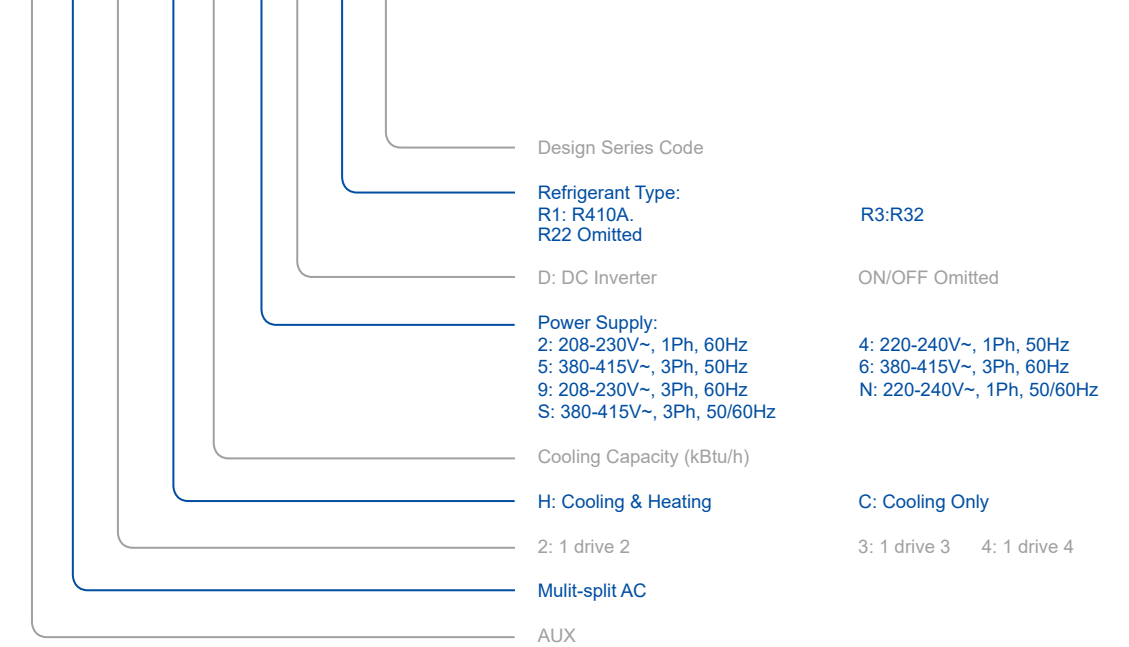
Inverter Series

Outdoor Unit

Environmental-friendly Refrigerant R32

The GWP value of R32 is smaller,so the effect on the greenhouse effect is smaller.
The ODP value of R32 is 0,so it's no harm to our planet's ozone layer.

High Efficiency

Equipped with high efficiency DC Inverter compressor, adjustable fan motor and advanced 180° sine wave vector driver, the system can be higher than 6.1 in SEER and 4.0 in SCOP so as to meet the European and Australian new energy efficiency standards.

SEER:
A++

SCOP:
A+

180° Sine Wave Control

DC inverter compressor uses 180°sine wave vector control technique, make compressor motor operate smoothly and efficiency increases significantly.
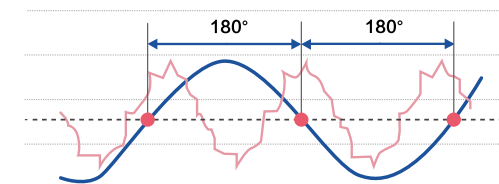
Optimized Pipeline Design

The design ensures the sub-cooling and enhances the cooling capacity by separating the refrigerant inlet and outlet.
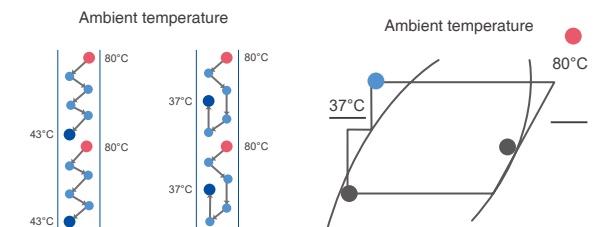
Simulation Technology

Via analysing piping stress distribution, piping amplitude and displacement in transportation and operation, the reliability has been improved greatly.

Outdoor Unit

Outdoor Unit

Specification-R32 50Hz High Efficiency DC Inverter

R32
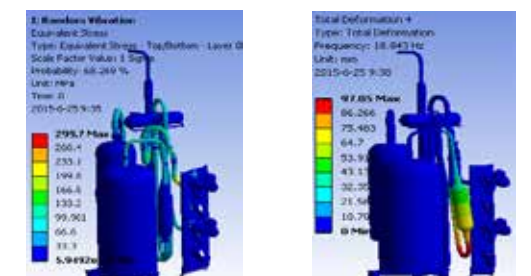
Model	Outdoor		AL-H12/NDR3A(U)	AL-H18/NDR3A(U)	AL-H24/NDR3A(U)	AL-H30/NDR3A(U)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
Performance	Air Flow Volume	m^3/h	2600	2600	3750	3800
	Sound Pressure Noise Level	dB(A)	54	55	58	57
	Sound Power Noise Level	dB(A)	64	64	67	68
Dimension (WxDxH)	Net	mm	800×315×545	800×315×545	900×350×700	970×395×805
	Packing	mm	920x400x620	920x400x620	1020×430×770	1105×495×895
Weight	Net/Gross	kg	35/38	37/40	51/55	65/69
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)
	Max. Length	m	25	30	50	50
	Max. Height	m	10	20	25	25
Ambient temperature	Cooling/Heating	°C	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24
Stuffing Quantity	20/40/40H	unit	102/219/292	102/219/292	87/183/183	44/96/144

Specification-R32 50Hz High Efficiency DC Inverter

R32

Model	Outdoor		AL-H36/NDR3A(U)	AL-H42/NDR3A(U)	AL-H48/SDR3A(U)	AL-H60/SDR3A(U)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	380~415,50,3	380~415,50,3
Performance	Air Flow Volume	m^3/h	4000	4200	7200	7200
	Sound Pressure Noise Level	dB(A)	57	57	60	60
	Sound Power Noise Level	dB(A)	66	66	70	70
Dimension (WxDxH)	Net	mm	970×395×805	970×395×805	940×370×1325	940×370×1325
	Packing	mm	1105×495×895	1105×495×895	1080×430×1440	1080×430×1440
Weight	Net/Gross	kg	72/76	72/76	92/102	92/102
Piping size	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	19.05(3/4)	19.05(3/4)
	Max. Length	m	65	65	65	65
	Max. Height	m	30	30	30	30
Ambient temperature	Cooling/Heating	°C	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24
Stuffing Quantity	20/40/40H	unit	44/96/144	44/96/144	27/55/55	27/55/55

Specification-R410A 50Hz High Efficiency DC Inverter

Model	Outdoor		AL-H18/4DR1HA(U)	AL-H24/4DR1HA(U)	AL-H36/4DR1HA(U)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
Performance	Air Flow Volume	m^3/h	2600	3750	4000
	Sound Pressure Noise Level	dB(A)	55	58	57
	Sound Power Noise Level	dB(A)	64	66	66
Dimension (WxDxH)	Net	mm	800×315×545	900×350×700	970×395×805
	Packing	mm	920×400×620	1020×430×770	1105×495×895
Weight	Net/Gross	kg	40/44	53/58	72.5/77
Piping size	Liquid Side	mm(inch)	6.35(1/4)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	12.7(1/2)	15.88(5/8)	15.88(5/8)
	Max. Length	m	30	50	65
	Max. Height	m	20	25	30
Ambient temperature	Cooling/Heating	°C	-10~52/-15~24	-10~52/-15~24	-10~52/-15~24
Stuffing Quantity	20/40/40H	unit	102/219/292	87/183/183	44/96/144

Specification-R410A 50Hz High Efficiency DC Inverter

Model	Outdoor		AL-H48/5DR1H(U)	AL-H60/5DR1H(U)
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3
Performance	Air Flow Volume	m^3/h	6400	6400
	Sound Pressure Noise Level	dB(A)	59	59
	Sound Power Noise Level	dB(A)	68	68
Dimension (WxDxH)	Net	mm	940×401×1366	940×401×1366
	Packing	mm	1080×460×1500	1080×460×1500
Weight	Net/Gross	kg	108/116	108/116
Piping size	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	19.05(3/4)	19.05(3/4)
	Max. Length	m	65	65
	Max. Height	m	30	30
Ambient temperature	Cooling/Heating	°C	-10~52/-15~24	-10~52/-15~24
Stuffing Quantity	20/40/40H	unit	27/55/55	27/55/55

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

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Outdoor Unit

Inverter Series Cassette

Specification-R410A 50Hz DC Inverter

Model	Outdoor		AL-H18/4DR1C	AL-H24/4DR1C	AL-H30/4DR1D	AL-H36/4DR1D
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
Performance	Air Flow Volume	m³/h	2600	3750	2059	2471
	Sound Pressure Noise Level	dB(A)	55	58	58	58
	Sound Power Noise Level	dB(A)	64	66	66	66
Dimension (WxDxH)	Net	mm	800×315×545	900×350×700	900×350×700	900×350×700
	Packing	mm	920×400×620	1020×430×770	1020×430×770	1020×430×770
Weight	Net/Gross	kg	40/44	53/58	51/55	52/56
Piping size	Liquid Side	mm(inch)	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Max. Length	m	30	30	30	30
	Max. Height	m	20	25	20	20
Ambient temperature	Cooling/Heating	°C	-5~49/-5~24	-5~49/-5~24	-5~49/-5~24	-5~49/-5~24
Stuffing Quantity	20/40/40H	unit	102/219/292	87/183/183	87/183/183	87/183/183

Specification-R410A 50Hz DC Inverter

Model	Outdoor		AL-H48/5DR1C	AL-H60/5DR1C	AL-H36/4DR1C
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	220~240,50,1
Performance	Air Flow Volume	m³/h	7000	7000	6200
	Sound Pressure Noise Level	dB(A)	60	60	59
	Sound Power Noise Level	dB(A)	70	70	67
Dimension (WxDxH)	Net	mm	940×370×1325	940×370×1325	970×395×805
	Packing	mm	1080×430×1440	1080×430×1440	1105×495×895
Weight	Net/Gross	kg	90/100	90/100	66/70
Piping size	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	19.05(3/4)	19.05(3/4)	15.88(5/8)
	Max. Length	m	50	50	30
	Max. Height	m	30	30	25
Ambient temperature	Cooling/Heating	°C	-5~49/-5~24	-5~49/-5~24	-5~49/-5~24
Stuffing Quantity	20/40/40H	unit	27/55/55	27/55/55	44/96/144

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FEATURES

■ optional ■ standard

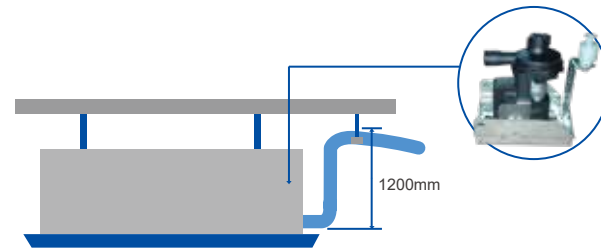| Auto Restart Function	Hydrophilic Aluminum Fin	Fast Cooling/ Heating	Low Ambient Cooling	Intelligent Defrosting	Remote Control	Washable Filter
Fire-proof Electric Box	Built-in Drain Pump	Digital Tube Display	Wired Control	Central Control	Golden Fin	WIFI Control

Inverter Series

Compact Cassette & Cassette

Standard   Optional

Built-In Drain Pump

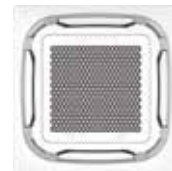The built-in drain pump can lift condensing water up to 1200mm high from the drainage pan.

1200mm

Optional panels

Type A   Type B

Type C   Type D

Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.

Fresh air intake

Cassette

Specification-R32 50Hz High Efficiency DC Inverter

R32

Model			ALCA-H12/NDR3HAA	ALCA-H18/NDR3HAA	ALCA-H24/NDR3HYB	ALCA-H36/NDR3HYB
	Indoor					
	Outdoor		AL-H12/NDR3A(U)	AL-H18/NDR3A(U)	AL-H24/NDR3A(U)	AL-H36/NDR3A(U)
Capacity	Cooling/Heating	Btu/h	12000(4600~15000)/14300(4200~18100)	18000(5200~19100)/19100(4800~21200)	24000(7400-28000)/27300(6800-31700)	36000(9800-44300)/38000(8800-46000)
		kW	3.60(1.35~4.40)/4.20(1.24~5.30)	5.00(1.53~5.60)/5.60(1.40~6.20)	7.00(2.16-8.20)/8.00(1.98-9.30)	10.55(2.9-13)/11.15(2.6-13.5)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220-240/50/1	220-240/50/1
Performance	SEER/SCOP	W/W	6.2/4.1	6.3/4.0	6.6/4.5	6.1/4.0
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+	A++/A
	Air Flow Volume	m^3/h	700/600/530	700/600/530	1500/1350/1200	1950/1700/1600
	Sound Pressure Noise Level	dB(A)	45/44/36	45/44/36	49/47/44	52/50/48
	Sound Power Noise Level	dB(A)	56	56	56	60
Dimension (WxDxH)	Net(Body)	mm	570×570×260	570×570×260	840×840×246	840×840×288
	Packing(Body)	mm	655×655×295	655×655×295	910×910×310	910×910×350
	Net(Panel)	mm	650×650×55	650×650×55	950×950×55	950×950×55
	Packing(Panel)	mm	710×710×80	710×710×80	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)	kg	17/20	17/20	26/30	28/33
	Net/Gross(Panel)	kg	2.2/3.7	2.2/3.7	5.3/7.8	5.3/7.8
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m^2	15-32	21-35	28-47	56-93
Stuffing Quantity	20/40/40H	set	72/152/180	72/152/180	42/84/95	29/64/74

Specification-R32 50Hz High Efficiency DC Inverter

R32

Model			ALCA-H42/NDR3HYB	ALCA-H48/SDR3HYB	ALCA-H60/SDR3HYB
	Indoor				
	Outdoor		AL-H42/NDR3A(U)	AL-H48/SDR3A(U)	AL-H60/SDR3A(U)
Capacity	Cooling/Heating	Btu/h	42000(9800-46000)/46000(8800-51100)	48000(16241-56298)/55000(16309-55104)	55000(16241-59710)/58000(16308-63122)
		kW	12.1(2.9-13.5)/13.5(2.6-15)	14.00(4.76-16.5)/16.00(4.78-16.15)	16.00(4.76-17.5)/17.00(4.78-18.50)
Electric Data	Power Supply	V~,Hz,Ph	220-240/50/1	220-240/50/1	220-240/50/1
Performance	SEER/SCOP	W/W	6.2/4.0	6.2/4.1	6.2/4.0
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m^3/h	2000/1700/1600	2000/1700/1600	2000/1700/1600
	Sound Pressure Noise Level	dB(A)	54/52/48	54/52/48	54/52/48
	Sound Power Noise Level	dB(A)	64	63	65
Dimension (WxDxH)	Net(Body)	mm	840×840×288	840×840×288	840×840×288
	Packing(Body)	mm	910×910×350	910×910×350	910×910×350
	Net(Panel)	mm	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)	kg	30/35	30/35	30/35
	Net/Gross(Panel)	kg	5.3/7.8	5.3/7.8	5.3/7.8
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m^2	64-107	64-107	64-107
Stuffing Quantity	20/40/40H	set	29/64/74	26/54/55	26/54/55

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Cassette

Cassette

Specification-R410A 50Hz High Efficiency DC Inverter

Model			ALCA-H18/4DR1HBA	ALCA-H24/4DR1HAA	ALCA-H36/4DR1HBA
	Indoor		AL-H18/4DR1HA(U)	AL-H24/4DR1HA(U)	AL-H36/4DR1HA(U)
	Outdoor				
Capacity	Cooling/Heating	Btu/h	18000(5220~19100)/19100(4800~21200)	24000(7400~28000)/27300(6800~31800)	36000(11942~44300)/38000(8530-46000)
		kW	5.00(1.53~5.60)/5.60(1.40~6.20)	7.00(2.16~8.20)/8.00(1.98~9.30)	10.55(3.5-13)/11.15(2.5-13.5)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling /Heating Power Input	kW	1.62(0.47~2.30)/1.47(0.46~2.25)	2.18(0.67~3.56)/1.91(0.65~3.62)	3.5(0.65~4.61)/3.6(0.52~4..76)
Performance	SEER/SCOP	W/W	6.1/4.0	6.1/4.0	6.1/4.0
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m³/h	700/600/530	1300/1050/950	1800/1550/1350
	Sound Pressure Noise Level	dB(A)	45/44/36	47/43/38	51/48/45
	Sound Power Noise Level	dB(A)	56	57	62
Dimension (WxDxH)	Net(Body)	mm	570×570×260	835×835×250	835×835×290
	Packing(Body)	mm	655×655×295	910×910×310	910×910×350
	Net(Panel)	mm	650×650×55	950×950×55	950×950×55
	Packing(Panel)	mm	710×710×80	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)	kg	17/20	24/27.5	26.5/30.5
	Net/Gross(Panel)	kg	3/5	5/7	5.3/7.8
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m²	21-35	28-47	56-93
Stuffing Quantity	20/40/40H	set	72/152/180	42/84/95	29/64/74

Specification-R410A 50Hz High Efficiency DC Inverter

Model			ALCA-H48/5DR1HA	ALCA-H60/5DR1HA
	Indoor		AL-H48/5DR1H(U)	AL-H60/5DR1H(U)
	Outdoor			
Capacity	Cooling/Heating	Btu/h	48000(14000~54600)/55000(15700~59700)	55000(16400~59000)/60000(16700~63100)
		kW	14.00(4.10~16.00)/16.00(4.60~17.50)	16.00(4.80~17.30)/17.00(4.90~18.50)
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3
	Cooling /Heating Power Input	kW	4.95(1.21~6.48)/4.57(0.92~5.66)	5.71(1.38~6.85)/4.96(0.98~6.00)
Performance	SEER/SCOP	W/W	6.3/4.1	6.5/4.1
	ERP Energy Efficiency Class		A++/A+	A++/A+
	Air Flow Volume	m³/h	2050/1950/1750/1500	2050/1950/1750/1500
	Sound Pressure Noise Level	dB(A)	53/48/42	53/48/42
	Sound Power Noise Level	dB(A)	63	63
Dimension (WxDxH)	Net(Body)	mm	835×835×290	835×835×290
	Packing(Body)	mm	910×910×350	910×910×350
	Net(Panel)	mm	950×950×55	950×950×55
	Packing(Panel)	mm	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)	kg	26.5/30.5	26.5/30.5
	Net/Gross(Panel)	kg	5/7	5/7
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m²	64-107	64-107
Stuffing Quantity	20/40/40H	set	24/48/55	24/48/55

Specification-R410A 50Hz DC Inverter

Model			ALCA-H18/4DR1CHA	ALCA-H24/4DR1YB	ALCA-H30/4DR1CHB	ALCA-H36/4DR1CHB
	Indoor		AL-H18/4DR1C	AL-H24/4DR1C	AL-H30/4DR1D	AL-H36/4DR1D
	Outdoor					
Capacity	Cooling/Heating	Btu/h	18000(5220~19141)/19100(4777~20267)	24000(7370~27023)/27000(6756~29650)	32000(11260~32755)/32000(9212~32755)	36000(12624~36508)/40000(8871~40602)
		kW	5.27(1.53~5.61)/5.60(1.40~5.94)	7.00(2.16~8.20)/8.00(1.98~9.30)	9.37(3.30~9.60)/9.37(2.70~9.60)	10.55(3.70~10.70)/11.72(2.60~11.90)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling /Heating Power Input	kW	1.65(0.47~2.05)/1.64(0.46~2.01)	2.15(0.67~3.56)/2.20(0.65~3.62)	2.64(0.72~3.20)/2.28(0.64~3.11)	3.13(0.85~3.89)/3.13(0.69~3.69)
Performance	EER/COP	W/W	3.2/3.42	3.25/3.63	3.55/4.11	3.37/3.74
	Air Flow Volume	m³/h	700/600/530	1500/1350/1200	1500/1350/1200	1700/1500/1370
	Sound Pressure Noise Level	dB(A)	45/42/36	49/47/44	49/47/44	51/48/46
	Sound Power Noise Level	dB(A)	56	59	57	57
Dimension (W×D×H)	Net(Body)	mm	570×570×260	840×840×246	840×840×246	840×840×288
	Packing(Body)	mm	655×655×295	910X910X310	910×910×310	910×910×350
	Net(Panel)	mm	650×650×55	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	710×710×80	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)	kg	17/20	26/30	26/30	28/33
	Net/Gross(Panel)	kg	2.2/3.7	5.3/7.8	5.3/7.8	5.7/8.3
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m²	21-35	28-47	32-55	40-65
Stuffing Quantity	20/40/40H	set	72/152/180	42/84/95	42/84/95	36/78/88

Specification-R410A 50Hz DC Inverter

Model			ALCA-H48/5DR1CHB	ALCA-H60/5DR1CHB	ALCA-H36/4DR1CHB
	Indoor		AL-H48/5DR1C	AL-H60/5DR1C	AL-H36/4DR1C
	Outdoor				
Capacity	Cooling/Heating	Btu/h	48000(14330~51862)/52000(15695~53568)	55000(16377~59027)/63500(16719~67557)	36000(10236~37532)/39900(11771~45141)
		kW	14.06(4.20~15.12)/15.24(4.60~17.50)	16.12(4.80~17.30)/18.61(4.90~19.80)	10.55(3.00~11.00)/11.69(3.45~13.23)
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	220~240,50,1
	Cooling /Heating Power Input	kW	5.02(1.21~7.50)/5.01(0.92~7.00)	5.96(1.38~7.80)/6.08(0.98~7.20)	3.30(0.93~4.01)/3.50(0.95~4.12)
Performance	EER/COP	W/W	2.8/3.04	2.7/3.06	3.2/3.34
	Air Flow Volume	m³/h	1800/1550/1350	1930/1650/1450	1500/1350/1200
	Sound Pressure Noise Level	dB(A)	52/47/41	55/49/45	49/47/44
	Sound Power Noise Level	dB(A)	65	67	62
Dimension (W×D×H)	Net(Body)	mm	840×840×288	840×840×288	835×835×250
	Packing(Body)	mm	910×910×350	910×910×350	910×910×310
	Net(Panel)	mm	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)	kg	31/35	31/35	26/30
	Net/Gross(Panel)	kg	5.7/8.3	5.7/8.3	5.7/8.3
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m²	56-93	64-107	56-93
Stuffing Quantity	20/40/40H	set	26/54/55	26/54/55	29/64/81

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Inverter Series
Ceiling&Floor

FEATURES

optional ■ standard ■

|			
Auto Restart Function	Hydrophilic Aluminum Fin	Fast Cooling/ Heating	Low Ambient Cooling
Intelligent Defrosting	Remote Control		
3D Air Flow	Long-term Filter	Wired Control	Central Control
Golden Fin	WIFI Control		

Inverter Series

Ceiling&Floor

Standard   Optional

Anti-condensation

Flocking design, good thermal insulation effect, avoid large temperature difference, anti-condensation

Fresh air

Fresh air intake design to improve air quality.
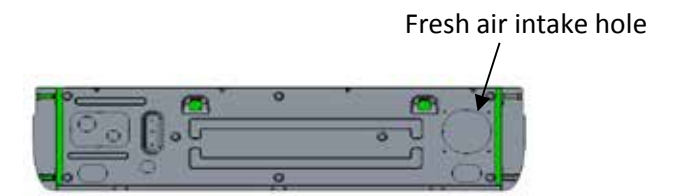
Fresh air intake hole

Low noise

Leading low noise, create a quiet environment

Easy drainage

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

20

Ceiling&Floor

Ceiling&Floor

Specification-R32 50Hz High Efficiency DC Inverter

R32

Model	Indoor		ALCF-H18/NDR3HF	ALCF-H24/NDR3HF	ALCF-H36/NDR3HF
	Outdoor		AL-H18/NDR3A(U)	AL-H24/NDR3A(U)	AL-H36/NDR3A(U)
Capacity	Cooling/Heating	Btu/h	18000(5500-20500)/19450(4800-24600)	24000(7400-28000)/26000(6800-31700)	36000(9900-44400)/38000(8900-46000)
		kW	5.3(1.60-6.00)/5.7(1.40-7.20)	7.03(2.16-8.20)/7.62(1.98-9.30)	10.55(2.90-13.00)/11.15(2.60-13.50)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	SEER/SCOP	W/W	6.1/4.0	6.1/4.0	6.1/4.0
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
Performance	Air Flow Volume	m^3/h	900/720/600	1230/1020/840	1650/1500/1300
	Sound Pressure Noise Level	dB(A)	40/35/33	42/38/35	47/44/42
	Sound Power Noise Level	dB(A)	50	52	63
Dimension (W×D×H)	Net	mm	1000×690×235	1280×690×235	1600×690×235
	Packing	mm	1080×770×325	1360×770×325	1680×770×325
Weight	Net/Gross	kg	28/32.5	34/39.5	41/48
Piping size	Drainage	mm/(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m^2	21-35	28-47	56-93
Stuffing Quantity 20/40/40H		set	56/115/132	42/90/94	27/62/75

Specification-R32 50Hz High Efficiency DC Inverter

R32

Model	Indoor		ALCF-H42/SDR3HF	ALCF-H48/SDR3HF	ALCF-H60/SDR3HF
	Outdoor		AL-H42/SDR3A(U)	AL-H48/SDR3A(U)	AL-H60/SDR3A(U)
Capacity	Cooling/Heating	Btu/h	42000(9800~46000)/46000(8800~51100)	48000(16200-49500)/54600(16300-58000)	55000(16200-59700)/58000(16300-63100)
		kW	12.1(2.9~13.5)/13.5(2.6~15)	14.00(4.76-14.50)/16.00(4.78-17.00)	16.0 (4.76~17.5)/17.0 (4.78~18.50)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	380~415,50,3	380~415,50,3
	SEER/SCOP	W/W	6.1/4.0	6.1/4.0	6.1/4.0
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
Performance	Air Flow Volume	m^3/h	2040/1740/1440	2040/1740/1440	2160/1820/1480
	Sound Pressure Noise Level	dB(A)	50/46/43	50/46/43	50/46/43
	Sound Power Noise Level	dB(A)	60	64	60
Dimension (W×D×H)	Net	mm	1600×690×235	1600×690×235	1600×690×235
	Packing	mm	1680×770×325	1680×770×325	1680×770×325
Weight	Net/Gross	kg	41/48	41/48	41/48
Piping size	Drainage	mm/(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m^2	64-107	64-107	64-107
Stuffing Quantity 20/40/40H		set	27/62/75	24/50/55	24/50/55

Specification-R410A 50Hz High Efficiency DC Inverter

Model	Indoor		ALCF-H18/4DR1HA	ALCF-H24/4DR1HA	ALCF-H36/4DR1HA
	Outdoor		AL-H18/4DR1HA(U)	AL-H24/4DR1HA(U)	AL-H36/4DR1HA(U)
Capacity	Cooling/Heating	Btu/h	18000(5220~19100)/19100(4800~21200)	24000(7400~28000)/27300(6800~31800)	36000(11942~44300)/38000(8530-46000)
		kW	5.00(1.53~5.60)/5.60(1.40~6.20)	7.00(2.16~8.20)/8.00(1.98~9.30)	10.55(3.5-13)/11.15(2.5-13.5)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	1.62(0.47~2.30)/1.47(0.46~2.25)	2.25(0.67~3.56)/1.91(0.65~3.62)	3.5(0.65~4.61)/3.6(0.52~4.76)
	SEER/SCOP	W/W	6.1/4.0	6.1/4.0	6.2/4.0
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
Performance	Air Flow Volume	m^3/h	900/730/650	1300/1052/920	1800/1550/1350
	Sound Pressure Noise Level	dB(A)	45/42/37	47/45/43	53/50/47
	Sound Power Noise Level	dB(A)	55	57	63
Dimension (W×D×H)	Net	mm	930×660×205	1280×660×205	1630×660×205
	Packing	mm	1010×720×290	1360×720×290	1710×720×290
Weight	Net/Gross	kg	25/28	32/38	44/50
Piping size	Drainage	mm/(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m^2	21-35	28-47	56-93
Stuffing Quantity 20/40/40H		set	60/123/149	48/91/99	32/70/81

Specification-R410A 50Hz High Efficiency DC Inverter

Model	Indoor		ALCF-H48/5DR1H	ALCF-H60/5DR1H
	Outdoor		AL-H48/5DR1H(U)	AL-H60/5DR1H(U)
Capacity	Cooling/Heating	Btu/h	48000(14000~54600)/55000(15700~59700)	55000(16400-59000)/60000(1670-63100)
		kW	14.00(4.10~16.00)/16.00(4.60~17.50)	16.00(4.80-17.30)/17.00(4.90-18.50)
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3
	Cooling/Heating Power Input	W	4.95(1.21~6.48)/4.57(0.92~5.66)	5.8(1.38-6.85)/4.96(0.98-6.00)
	SEER/SCOP	W/W	6.1/4.0	6.1/4.0
	ERP Energy Efficiency Class		A++/A+	A++/A+
Performance	Air Flow Volume	m^3/h	1900/1600/1400	1900/1600/1400
	Sound Pressure Noise Level	dB(A)	54/50/46	54/50/46
	Sound Power Noise Level	dB(A)	64	64
Dimension (W×D×H)	Net	mm	1631×660×205	1631×660×205
	Packing	mm	1710×720×290	1710×720×290
Weight	Net/Gross	kg	44/50	44/50
Piping size	Drainage	mm/(inch)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m^2	64-107	64-107
Stuffing Quantity 20/40/40H		set	22/55/55	22/55/55

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Ceiling&Floor

Specification-R410A 50Hz DC Inverter

Model			ALCF-H18/4DR1C	ALCF-H24/4DR1C	ALCF-H36/4DR1C
	Indoor		ALCF-H18/4DR1C	ALCF-H24/4DR1C	ALCF-H36/4DR1C
	Outdoor		AL-H18/4DR1C	AL-H24/4DR1C	AL-H36/4DR1C
Capacity	Cooling/Heating	Btu/h	18000(5220~19140)/19100(4800~20300)	24000(7400~27000)/26000(6800~29650)	34000(10200~27500)/39000(11800~45140)
		kW	5.27(1.53~5.61)/5.60(1.40~5.94)	7.00(2.16~7.92)/7.60(1.98~8.69)	9.96(3.00~11.00)/11.5(3.45~13.23)
Electric Data	Power Supply	V~,Hz,Ph	220-240/50/1	220-240/50/1	220~240,50,1
	Cooling/Heating Power Input KW		1.62(0.47~2.05)/1.48(0.46~2.01)	2.18(0.67~2.88)/2.05(0.65~2.81)	3.40(0.93~4.01)/3.5(0.95~4.12)
Performance	EER/COP	W/W	3.21/3.78	3.21/3.71	2.53/3
	Air Flow Volume	m^3/h	900/720/600	1230/1020/840	1580/1400/1050
	Sound Pressure Noise Level	dB(A)	43/38/36	46/42/38	52/48/43
	Sound Power Noise Level	dB(A)	50	52	58
Dimension (W×D×H)	Net	mm	1000×690×235	1280×690×235	1280×690×235
	Packing	mm	1080×770×325	1360×770×325	1360×770×325
Weight	Net/Gross	kg	28/32.5	34/39.5	34/39.5
Piping size	Drainage	mm/(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m^2	21-35	28-47	40-65
Stuffing Quantity	20/40/40H	set	56/115/132	42/90/94	30/65/83

Specification-R410A 50Hz DC Inverter

Model			ALCF-H48/5DR1C	ALCF-H60/5DR1C
	Indoor		ALCF-H48/5DR1C	ALCF-H60/5DR1C
	Outdoor		AL-H48/5DR1C	AL-H60/5DR1C
Capacity	Cooling/Heating	Btu/h	48000(14330~51600)/50000(15700~59700)	55000(16400~59000)/58000(16700~67600)
		kW	14.00(4.20~15.12)/14.70(4.60~17.50)	16.10(4.80~17.30)/17.00(4.90~19.80)
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3
	Cooling/Heating Power Input KW		5.37(1.29~7.50)/4.7(1.26~7.00)	6.3(1.49~7.80)/5.8(1.49~7.20)
Performance	EER/COP	W/W	2.6/3	2.5/2.9
	Air Flow Volume	m^3/h	2040/1740/1440	2070/1770/1470
	Sound Pressure Noise Level	dB(A)	55/49/45	55/49/45
	Sound Power Noise Level	dB(A)	60	60
Dimension (W×D×H)	Net	mm	1600×690×235	1600×690×235
	Packing	mm	1680×770×325	1680×770×325
Weight	Net/Gross	kg	41/45	41/45
Piping size	Drainage	mm/(inch)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m^2	56-93	64-107
Stuffing Quantity	20/40/40H	set	24/50/55	24/50/55

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

Inverter Series Duct

FEATURES

■ optional ■ standard

Auto Restart Function

Hydrophilic Aluminum Fin

Fast Cooling/Heating

Low Ambient Cooling

Intelligent Defrosting

Long-term Filter

Wired Control

Remote Control

Central Control

Golden Fin

WIFI Control

Duct

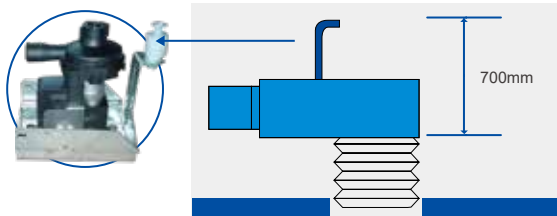## Built-In Drain Pump (Optional)

The built-in drain pump can lift condensing water up to 700mm high from the drainage pan.

700mm

DN20(R3/4)

Flexible Installation

Air intake from rear as standard, from bottom is optional. The size of the plate from bottom is the same as the flange from back, which makes it convenient to change installation style due to different decoration requirements.
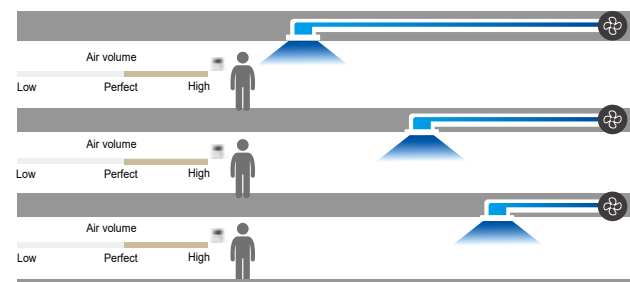
Air intake from below   Air intake from rear

same size
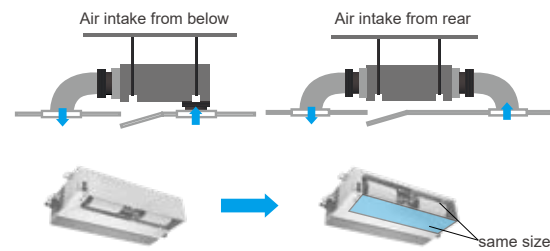
High Static-Pressure

Adjustable static pressure from 0 Pa to maximum 160Pa.

Self-adaption technology

Automatic ESP Adjustment function will adapt the unit to any ducting with optimized air volume and minimized noise level automatically, making more comfortable in any situation.

Air volume   Low Perfect High

Air volume   Low Perfect High

Air volume   Low Perfect High

Duct

Specification-R32 50Hz High Efficiency DC Inverter

R32

Model	Indoor		ALMD-H18/NDR3HA	ALMD-H24/NDR3HA	ALMD-H30/NDR3HA	ALMD-H36/NDR3HA
	Outdoor		AL-H18/NDR3A(U)	AL-H24/NDR3A(U)	AL-H30/NDR3A(U)	AL-H36/NDR3A(U)
Capacity	Cooling/Heating	Btu/h	18000(5200-19100)/19100(4800-21200)	24000(7400-28000)/27300(6800-31700)	28660(8490~31390)/30700(9760~32760)	36000(9800-44300)/38000(8800-46000)
		kW	5.00(1.53-5.60)/5.60(1.40-6.20)	7.00(2.16-8.20)/8.00(1.98-9.30)	8.4(2.49-9.20)/9.0(2.86-9.60)	10.55(2.9-13)/11.15(2.6-13.5)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
Performance	SEER/SCOP	W/W	6.2/4.0	6.1/4.0	6.1/4.1	6.1/4.1
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+	A++/A+
	Air Flow Volume	m³/h	1150/960/840	1400/1190/980	1600/1400/1100	1900/1600/1400
	Sound Pressure Noise Level	dB(A)	43/41/40	44/41/39	46/44/41	44/41/39
	Sound Power Noise Level	dB(A)	53	55	57	55
	ESP	Pa	0-160	0-160	0-160	0-160
Dimension (WxDxH)	Net	mm	1000×700×245	1000×700×245	1000×700×245	1400×700×245
	Packing	mm	1230×830×300	1230×830×300	1230×830×300	1630×830×300
Weight	Net/Gross	kg	31/37	32/38	32/38	42/48
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m²	21-35	28-47	32-80	56-93
Stuffing Quantity	20/40/40H	set	46/97/112	42/89/99	32/64/83	27/56/69

Specification-R32 50Hz High Efficiency DC Inverter

R32

Model	Indoor		ALMD-H42/NDR3HA	ALMD-H48/SDR3HA	ALMD-H60/SDR3HA
	Outdoor		AL-H42/NDR3A(U)	AL-H48/SDR3A(U)	AL-H60/SDR3A(U)
Capacity	Cooling/Heating	Btu/h	42000(9800-46000)/46000(8800-51100)	48000(16241~56298)/55000(16309~55104)	55000(16241-59710)/58000(16308-63122)
		kW	12.1(2.9-13.5)/13.5(2.6-15)	14.0(4.76~16.50)/16.00(4.78~16.15)	16.00(4.76-17.50)/17.00(4.78-18.50)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	380~415,50,3	380~415,50,3
Performance	SEER/SCOP	W/W	6.1/4.1	6.2/4.1	6.1/4.1
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m³/h	1900/1600/1400	2300/2000/1700	2300/2000/1700
	Sound Pressure Noise Level	dB(A)	44/41/39	52/49/47	52/49/47
	Sound Power Noise Level	dB(A)	55	64	64
	ESP	Pa	0-160	0-160	0-160
Dimension (WxDxH)	Net	mm	1400×700×245	1400×700×245	1400×700×245
	Packing	mm	1630×830×300	1630×830×300	1630×830×300
Weight	Net/Gross	kg	42/48	42/48	42/48
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m²	56-93	64-107	64-107
Stuffing Quantity	20/40/40H	set	27/56/69	22/49/55	22/49/55

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

Duct

Specification-R410A 50Hz DC Inverter

Model	Indoor		ALMD-H18/4DR1C	ALMD-H24/4DR1C	ALMD-H30/4DR1D	ALMD-H36/4DR1D
	Outdoor		AL-H18/4DR1C	AL-H24/4DR1C	AL-H30/4DR1D	AL-H36/4DR1D
Capacity	Cooling/Heating	Btu/h	18000(5220~19141)/19100(4777~20267)	24000(7370~27023)/27000(6756~29650)	32000(11260~32755)/40000(9212~40944)	36000(11600~36508)/40978(8871~42035)
		kW	5.27(1.53~5.61)/5.60(1.40~5.94)	7.03(2.16~7.92)/7.91(1.98~8.69)	9.37(3.30~9.60)/11.72(2.70~12.00)	10.55(3.40~10.70)/12.01(2.60~12.32)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	kW	1.65(0.47~2.05)/1.64(0.46~2.01)	2.20(0.67~2.88)/2.35(0.65~2.81)	2.75(0.81~2.95)/3.20(0.70~3.28)	3.16(0.92~3.92)/2.80(0.72~3.74)
Performance	EER/COP	W/W	3.20/3.42	3.20/3.36	3.41/3.66	3.34/4.29
	Air Flow Volume	m³/h	1000/800/680	1300/1090/880	1500/1350/1200	1850/1600/1380
	Sound Pressure Noise Level	dB(A)	43/41/40	44/41/39	46/43/41	47/45/44
	Sound Power Noise Level	dB(A)	53	55	25	37
	ESP	Pa	0-160	0-160	0-160	0-160
Dimension (W×D×H)	Net	mm	1000×700×245	1000×700×245	1000×700×245	1400×700×245
	Packing	mm	1230×830×300	1230×830×300	1230×830×300	1630×830×300
Weight	Net/Gross	kg	31/37	32/38	31/37	41/47
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m²	21-35	28-47	32-55	40-65
Stuffing Quantity	20/40/40H	set	46/97/112	42/89/99	42/89/99	38/72/83

Specification-R410A 50Hz DC Inverter

Model	Indoor		ALMD-H48/5DR1C	ALMD-H60/5DR1C	ALMD-H36/4DR1C
	Outdoor		AL-H48/5DR1C	AL-H60/5DR1C	AL-H36/4DR1C
Capacity	Cooling/Heating	Btu/h	48000(14330~51862)/52000(15695~59710)	55000(16377~59027)/63500(16719~67557)	36000(10236~37532)/39900(11771~45141)
		kW	14.06(4.20~15.12)/15.24(4.60~17.50)	16.12(4.80~17.30)/18.61(4.90~19.80)	10.55(3.00~11.00)/11.69(3.45~13.23)
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	220~240,50,1
	Cooling/Heating Power Input	kW	5.02(1.29~7.50)/5.01(1.26~7.00)	5.97(1.49~7.80)/6.08(1.49~7.20)	3.30(0.93~4.01)/3.50(0.95~4.12)
Performance	EER/COP	W/W	2.80/3.04	2.70/3.06	3.2/3.34
	Air Flow Volume	m3/h	1900/1600/1400	2030/1880/1670	1500/1300/1100
	Sound Pressure Noise Level	dB(A)	53/50/44	53/50/44	46/44/41
	Sound Power Noise Level	dB(A)	65	67	57
	ESP	Pa	0-120	0-120	0-160
Dimension (W×D×H)	Net	mm	1400×700×245	1400×700×245	1000×700×245
	Packing	mm	1630×830×300	1630×830×300	1230×830×300
Weight	Net/Gross	kg	47/54	47/54	32/38
Piping size	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Applicable Area		m2	56-93	64-107	56-93
Stuffing Quantity	20/40/40H	set	22/49/55	22/49/55	32/64/83

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*Inverter Series Free Match*

Inverter Series

Free Match

Environmental-friendly Refrigerant R32

The GWP value of R32 is smaller,so the effect on the greenhouse effect is smaller.
The ODP value of R32 is 0,so it's no harm to our planet's ozone layer.

R32

Space-Saving Installation

Up to 5 indoor units can be connected to a single outdoor unit, which reduces the number of outdoor units required so as to save installation space. Besides, each indoor unit can be controlled individually and they even needn't be installed at the same time.

5 outdoor units
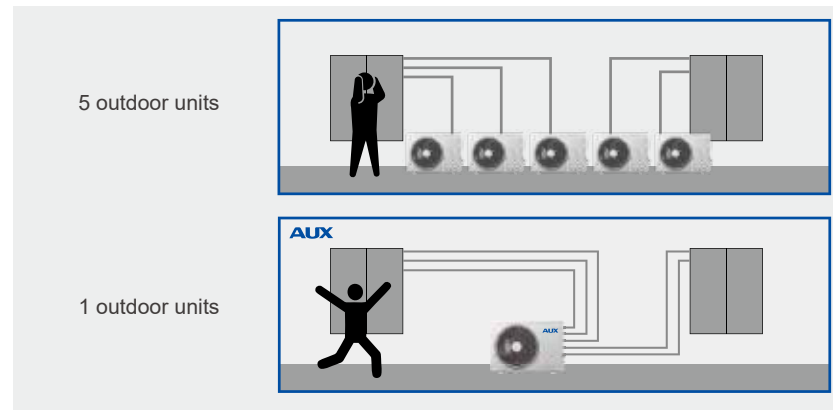
1 outdoor units

Energy Saving

Cutting-edge DC inverter of sine wave control and active PFC technology realize low noise and economical operation.

Loss — Rectangle Wave

Full Range — Sine Wave
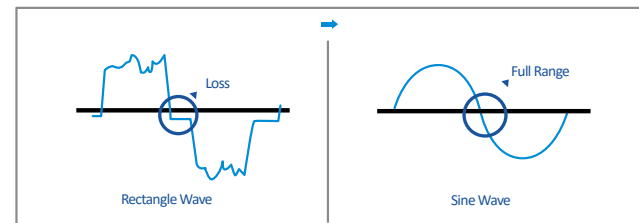
Combination Table

Multi DC Outdoor Unit — Suggested Combination

1 drive 2 — AM2-H14/4DR3

One Unit	Two Units	
7	7+7	—
9	7+9	—
12	9+9	—
18	—	

1 drive 2 — AM2-H18/4DR3

One Unit	Two Units	
7	7+7	9+12
9	7+9	—
12	7+12	—
18	9+9	—

1 drive3 — AM3-H21/4DR3

One Unit	Two Units		Three Units	
18	7+7	9+12	7+7+7	—
—	7+9	9+18	7+7+9	—
—	7+12	12+12	7+7+12	—
—	7+18	—	7+9+9	—
—	9+9	—	9+9+9	—

1 drive 3 — AM3-H27/4DR3

One Unit	Two Units		Three Units	
18	7+7	9+18	7+7+7	7+9+18
—	7+9	12+12	7+7+9	7+12+12
—	7+12	12+18	7+7+12	9+9+9
—	7+18	—	7+7+18	9+9+12
—	9+9	—	7+9+9	9+12+12
—	9+12	—	7+9+12	—

1 drive 4 — AM4-H36/4DR3

One Unit	Two Units		Three Units			Four Units				
24	7+7	9+18	7+7+7	7+9+18	9+12+18	7+7+7+7	7+7+12+12	9+9+9+9	—	—
—	7+9	9+24	7+7+9	7+9+24	9+12+24	7+7+7+9	7+7+12+18	9+9+9+12	—	—
—	7+12	12+12	7+7+12	7+12+12	12+12+12	7+7+7+12	7+9+9+9	9+9+9+18	—	—
—	7+18	12+18	7+7+18	7+12+18	12+12+18	7+7+7+18	7+9+9+12	9+9+12+12	—	—
—	7+24	12+24	7+7+24	7+12+24	—	7+7+9+9	7+9+9+18	9+12+12+12	—	—
—	9+9	18+18	7+9+9	9+9+9	—	7+7+9+12	7+9+12+18	—	—	—
—	9+12	—	7+9+12	9+9+12	—	7+7+9+18	7+12+12+12	—	—	—

1 drive 5 — AM5-H42/4DR3

One Unit	Two Units		Three Units				Four Units		
24	7+7	9+24	7+7+7	7+9+24	9+9+24	12+18+18	7+7+7+7	7+7+9+24	7+9+12+24
—	7+9	12+12	7+7+9	7+12+12	9+12+12	12+18+24	7+7+7+9	7+7+12+12	7+12+12+12
—	7+12	12+18	7+7+12	7+12+18	9+12+18	18+18+18	7+7+7+12	7+7+12+18	9+9+9+9
—	7+18	12+24	7+7+18	7+12+24	9+12+24	—	7+7+7+18	7+7+12+24	9+9+9+12
—	7+24	18+18	7+7+24	7+18+18	9+18+18	—	7+7+7+24	7+9+9+9	9+9+9+18
—	9+9	18+24	7+9+9	9+9+9	12+12+12	—	7+7+9+9	7+9+9+12	9+9+12+12
—	9+12	—	7+9+12	9+9+12	12+12+18	—	7+7+9+12	7+9+9+18	9+12+12+12
—	9+18	—	7+9+18	9+9+18	12+12+24	—	7+7+9+18	7+9+12+18	12+12+12+12

Five Units			
7+7+7+7+7	7+7+7+12+18	7+9+9+9+12	9+9+12+12+12
7+7+7+7+9	7+7+9+9+9	7+9+9+9+18	—
7+7+7+7+12	7+7+9+9+12	7+9+9+12+12	—
7+7+7+7+18	7+7+9+9+18	7+9+12+12+12	—
7+7+7+9+9	7+7+9+12+12	9+9+9+9+9	—
7+7+7+9+12	7+7+9+12+18	9+9+9+9+12	—
7+7+7+9+18	7+7+12+12+12	9+9+9+9+18	—
7+7+7+12+12	7+9+9+9+9	9+9+9+12+12	—

Combination Table

Multi DC Outdoor Unit	Suggested Combination

1 drive 2 — AM2-H14/4DR1

One Unit	Two Units	
7	7+7	—
9	7+9	—
12	9+9	—
18	—	—

1 drive 2 — AM2-H18/4DR1B

One Unit	Two Units	
7	7+7	9+12
9	7+9	—
12	7+12	—
18	9+9	—

1 drive3 — AM3-H21/4DR1

One Unit	Two Units		Three Units	
18	7+7	9+12	7+7+7	—
—	7+9	9+18	7+7+9	—
—	7+12	12+12	7+7+12	—
—	7+18	—	7+9+9	—
—	9+9	—	9+9+9	—

1 drive 3 — AM3-H27/4DR1B

One Unit	Two Units		Three Units	
18	7+7	9+18	7+7+7	7+9+18
—	7+9	12+12	7+7+9	7+12+12
—	7+12	12+18	7+7+12	9+9+9
—	7+18	—	7+7+18	9+9+12
—	9+9	—	7+9+9	9+12+12
—	9+12	—	7+9+12	—

1 drive 4 — AM4-H36/4DR1

One Unit	Two Units		Three Units					Four Units		
24	7+7	9+18	7+7+7	7+9+18	9+12+18	7+7+7+7	7+7+12+12	9+9+9+9	—	—
—	7+9	9+24	7+7+9	7+9+24	9+12+24	7+7+7+9	9+9+9+12	—	—	—
—	7+12	12+12	7+7+12	7+12+12	12+12+12	7+7+7+12	7+9+9+9	9+9+9+18	—	—
—	7+18	12+18	7+7+18	7+12+18	12+12+18	7+7+7+18	7+9+9+12	9+9+12+12	—	—
—	7+24	12+24	7+7+24	7+12+24	—	7+7+9+9	7+9+9+18	9+12+12+12	—	—
—	9+9	18+18	7+9+9	9+9+9	—	7+7+9+12	7+9+9+12	—	—	—
—	9+12	—	7+9+12	9+9+12	—	7+7+9+18	7+12+12+12	—	—	—

1 drive 5 — AM5-H42/4DR1

One Unit	Two Units		Three Units					Four Units		
24	7+7	9+24	7+7+7	7+9+24	9+9+24	12+18+18	7+7+9+24	7+9+12+24		
—	7+9	12+12	7+7+9	7+12+12	9+12+12	12+18+24	7+7+7+9	7+7+12+12	7+12+12+12	
—	7+12	12+18	7+7+12	7+12+18	9+12+18	18+18+18	7+7+7+12	7+7+12+18	9+9+9+9	
—	7+18	12+24	7+7+18	7+12+24	9+12+24	—	7+7+7+18	7+7+12+24	9+9+9+12	
—	7+24	18+18	7+7+24	7+18+18	9+18+18	—	7+7+7+24	7+9+9+9	9+9+9+18	
—	9+9	18+24	7+9+9	9+9+9	12+12+12	—	7+7+9+9	7+9+9+12	9+9+12+12	
—	9+12	—	7+9+12	9+9+12	12+12+18	—	7+7+9+12	7+9+9+18	9+12+12+12	
—	9+18	—	7+9+18	9+9+18	12+12+24	—	7+7+9+18	7+9+12+12	12+12+12+12	

Five Units			
7+7+7+7+7	7+7+7+12+18	7+9+9+9+12	9+9+12+12+12
7+7+7+7+9	7+7+9+9+9	7+9+9+12+18	—
7+7+7+7+12	7+7+9+9+12	7+9+9+12+12	—
7+7+7+7+18	7+7+9+9+18	7+9+12+12+12	—
7+7+7+9+9	7+7+9+12+12	9+9+9+9+9	—
7+7+7+9+12	7+7+9+12+18	9+9+9+9+12	—
7+7+7+9+18	7+7+12+12+12	9+9+9+9+18	—
7+7+7+12+12	7+9+9+9+9	9+9+9+12+12	—

AM5-H42/4DR1

Outdoor Units

Specification-R32 50Hz DC Inverter

R32

Model	Outdoor Unit		AM2-H14/4DR3	AM2-H18/4DR3	AM3-H21/4DR3
System Format			1 drive 2	1 drive 2	1 drive 3
Capacity	Cooling/Heating	Btu/h	13989(6142~15388)/16378(6995~18015)	18084(6824~19892)/19107(7541~21017)	21154(7506~22895)/22519(8155~24771)
		kW	4.1(1.8~4.51)/4.8(2.05~5.28)	5.3(2.0~5.83)/5.6(2.21~6.16)	6.2(2.2~6.71)/ 6.6(2.39~7.26)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	1240/ 1150	1750/ 1540	1920/ 1780
	Rated Current(cooling&heating) A		5.4/5	7.6/6.7	8.3/7.8
Performance	SEER/SCOP	W/W	6.16/4.06	7.07/4.08	6.57/4.39
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m³/h	2300	2300	3100
	Sound Pressure Noise Level	dB(A)	54	55	56
	Sound Power Noise Level	dB(A)	61	62	65
Dimension (W×D×H)	Net	mm	800×315×545	800×315×545	834×328×655
	Packing	mm	920×400×620	920×400×620	945×435×725
Weight	Net/Gross	kg	34/37	36/39	44/47
Piping size	Liquid Side	mm(inch)	2×6.35(1/4)	2×6.35(1/4)	3×6.35(1/4)
	Gas Side	mm(inch)	2×9.52(3/8)	2×9.52(3/8)	3×9.52(3/8)
Max.Pipe Length	Between IDU to ODU	m	25	25	30
Max.Height Difference	Between ODU to IDU	m	15	15	15
Ambient temperature	Cooling/Heating	°C	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24
Stuffing Quantity	20/40/40H	unit	102/219/292	102/219/292	96/198/198

Specification-R32 50Hz DC Inverter

R32

Model	Outdoor Unit		AM3-H27/4DR3	AM4-H36/4DR3	AM5-H42/4DR3
System Format			1 drive 3	1 drive 4	1 drive 5
Capacity	Cooling/Heating	Btu/h	26955(7848~29650)/27978(8359~30776)	35826(8530~37532)/37532(9110~38214)	40944(9451~43332)/44356(10100~44800)
		kW	7.9(2.3~8.69)/8.2(2.45~9.02)	10.50(2.5~11.0)/11.00(2.67~11.2)	12(2.77~12.7)/13(2.96~13.1)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	2460/ 2270	3950/3150	4450/3750
	Rated Current(cooling&heating) A		10.7/9.8	17.5/13.96	19.72/16.62
Performance	SEER/SCOP	W/W	6.30/4.04	6.14/4.06	6.14/4.11
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m³/h	3100	4000	4200
	Sound Pressure Noise Level	dB(A)	58	61	61
	Sound Power Noise Level	dB(A)	65	68	68
Dimension (W×D×H)	Net	mm	834×328×655	985×395×808	985×395×808
	Packing	mm	945×435×725	1105×495×895	1105×495×895
Weight	Net/Gross	kg	46/49	74/78	75/79
Piping size	Liquid Side	mm(inch)	3×6.35(1/4)	4×6.35(1/4)	5×6.35(1/4)
	Gas Side	mm(inch)	3×9.52(3/8)	4×9.52(3/8)	5×9.52(3/8)
Max.Pipe Length	Between IDU to ODU	m	30	35	35
Max.Height Difference	Between ODU to IDU	m	15	15	15
Ambient temperature	Cooling/Heating	°C	-15~52/-15~24	-15~52/-15~24	-15~52/-15~24
Stuffing Quantity	20/40/40H	unit	96/198/198	44/96/144	44/96/144

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Outdoor Units

Specification-R410A 50Hz DC Inverter

Model			AM2-H14/4DR1	AM2-H18/4DR1B	AM3-H21/4DR1
System Format			1 drive 2	1 drive 2	1 drive 3
Capacity	Cooling/Heating	Btu/h	13989(6142~15388)/16378(6995~18015)	18084(6824~19892)/19107(7541~21017)	21160(7506~22895)/22519(8155~24771)
		kW	4.10(1.80~4.51)/4.80(2.05~5.28)	5.30(2.0~5.83)/5.60(2.21~6.16)	6.2(2.2~6.71)/6.60(2.39~7.26)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	1240/1150	1750/1540	1920/1780
	Rated Current(cooling&heating)	A	5.4/5.0	7.6/6.7	8.3/7.8
Performance	SEER/SCOP	W/W	6.16/4.14	6.20/4.14	6.16/4.09
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m³/h	2100	2100	2700
	Sound Pressure Noise Level	dB(A)	54	55	56
	Sound Power Noise Level	dB(A)	61	62	65
Dimension (W×D×H)	Net	mm	800×286×535	800×286×530	822×302×655
	Packing	mm	920×400×620	920×400×620	945×430×725
Weight	Net/Gross	kg	34/37	36/39	44/47
Piping size	Liquid Side	mm(inch)	2×6.35(1/4)	2×6.35(1/4)	3×6.35(1/4)
	Gas Side	mm(inch)	2×9.52(3/8)	2×9.52(3/8)	3×9.52(3/8)
Max.Pipe Length Between IDU to ODU		m	25	25	30
Max.Height Difference Between ODU to IDU		m	15	15	15
Ambient temperature Cooling/Heating		°C	-10~52/-15~24	-10~52/-15~24	-10~52/-15~24
Stuffing Quantity 20/40/40H		unit	102/219/292	102/219/292	102/210/210

Specification-R410A 50Hz DC Inverter

Model	Outdoor Unit		AM3-H27/4DR1B	AM4-H36/4DR1B	AM5-H42/4DR1B
System Format			1 drive 3	1 drive 4	1 drive 5
Capacity	Cooling/Heating	Btu/h	26955(7848~29650)/27978(8359~30776)	35826(8530~37532)/37532(9110~38214)	40944(9451~43332)/44356(10100~44800)
		kW	7.90(2.3~8.69)/8.20(2.45~9.02)	10.5(2.5~11.0)/11.0(2.67~11.2)	12.1(2.77~12.8)/13.0(2.96~13.1)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	2460/2270	3600/3400	4450/3800
	Rated Current(cooling&heating)	A	10.7/9.8	15.97/15.08	19.74/16.86
Performance	SEER/SCOP	W/W	6.23/4.04	6.14/4.07	6.14/4.10
	ERP Energy Efficiency Class		A++/A+	A++/A+	A++/A+
	Air Flow Volume	m³/h	2700	4000	4200
	Sound Pressure Noise Level	dB(A)	58	61	61
	Sound Power Noise Level	dB(A)	65	68	68
Dimension (W×D×H)	Net	mm	822×302×655	985×395×808	985×395×808
	Packing	mm	945×430×725	1105×495×895	1105×495×895
Weight	Net/Gross	kg	46/49	76.5/81.5	78.5/83.5
Piping size	Liquid Side	mm(inch)	3×6.35(1/4)	4×6.35(1/4)	5×6.35(1/4)
	Gas Side	mm(inch)	3×9.52(3/8)	4×9.52(3/8)	5×9.52(3/8)
Max.Pipe Length Between IDU to ODU		m	30	35	35
Max.Height Difference Between ODU to IDU		m	15	15	15
Ambient temperature Cooling/Heating		°C	-10~52°C/-15~24°C	-15~52°C/-15~24°C	-15~52°C/-15~24°C
Stuffing Quantity 20/40/40H		unit	102/210/210	44/96/144	44/96/144

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Indoor Units

Specification-R32 Wall Mounted L Type

Model	Indoor unit		AMWM-H07/4R3(L*)	AMWM-H09/4R3(L*)	AMWM-H12/4R3(L*)	AMWM-H18/4R3(L*)
Capacity	Cooling/Heating	Btu/h	7165(3855~9220)/7510(3340~8530)	8701(3412~11260)9042(3753~11260)	12283(4094~12966)/12624(3412~12966)	18063(6483~18766)/18425(4777~19107)
		kW	2.05(1.13~2.70)/2.15(0.98~2.50)	2.55(1.00~3.30)/2.65(1.10~3.30)	3.50(1.20~3.80)3.50(1.00~3.80)	5.30(1.90~5.50)/5.40(1.40~5.60)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	40(12~68)/40(12~68)	40(12~68)/40(12~68)	40(12~68)/40(12~68)	63(16~88)/63(16~88)
Performance	Air Flow Volume	m³/h	650/450/395	650/450/395	650/450/395	1000/860/688
	Sound Pressure Noise Level	dB(A)	40/38/34	41/38/34	42/40/36	48/42/35
	Sound Power Noise Level	dB(A)	51	54	53	58
Dimension (W×D×H)	Net	mm	800×300×198	800×300×198	800×300×198	970×315×235
	Packing	mm	870×370×282	870×370×282	870×370×282	1047×385×317
Weight	Net/Gross	kg	9/10.5	9/10.5	9/10.5	12.5/14.5
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	12.7(1/2)
	Drainage	mm(inch)	16.5	16.5	16.5	16.5
Stuffing Quantity 20/40/40H		unit	320/680/765	320/680/765	320/680/765	224/476/544

Specification-R32 Wall Mounted F Type

Model	Indoor unit		AMWM-H07/4R3(F*)	AMWM-H09/4R3(F*)	AMWM-H12/4R3(F*)
Capacity	Cooling/Heating	Btu/h	7165(3855~9220)/7510(3340~8530)	9000(4780~11260)/9215(4095~10240)	12285(5800~12625)/12625(5120~12625)
		kW	2.05(1.13~2.70)/2.15(0.98~2.50)	2.58(1.40~3.30)/2.70(1.20~3.00)	3.50(1.70~3.70)/3.50(1.50~3.70)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	40(12~68)/40(12~68)	40(12~68)/40(12~68)	40(12~68)/40(12~68)
Performance	Air Flow Volume	m³/h	600/480/370	600/480/370	600/480/370
	Sound Pressure Noise Level	dB(A)	40/38/34	40/38/34	42/40/36
	Sound Power Noise Level	dB(A)	51	54	52
Dimension (W×D×H)	Net	mm	750×285×200	750×285×200	750×285×200
	Packing	mm	820×347×277	820×347×277	820×347×277
Weight	Net/Gross	kg	7.5/9	7.5/9	8/10
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Drainage	mm(inch)	16.5	16.5	16.5
Stuffing Quantity 20/40/40H		unit	384/768/864	384/768/864	384/768/864

Model	Indoor unit		AMWM-H18/4R3(F*)	AMWM-H24/4R3(F*)
Capacity	Cooling/Heating	Btu/h	17747(8530~19790)/18085(7680~19790)	23986(9895~24908)/24054(7165~27296)
		kW	5.27(2.50~5.80)/5.37(2.25~5.80)	7.03(2.90~7.30)/7.05(2.10~8.00)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	63(16~88)/63(16~88)	63(16~88)/63(16~88)
Performance	Air Flow Volume	m³/h	850/800/680	1150/950/750
	Sound Pressure Noise Level	dB(A)	45/42/35	49/42/35
	Sound Power Noise Level	dB(A)	57	60
Dimension (W×D×H)	Net	mm	900×310×225	1082×330×233
	Packing	mm	970×382×302	1155×397×312
Weight	Net/Gross	kg	12/14	15/16.5
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	16.5	16.5
Stuffing Quantity 20/40/40H		unit	252/518/592	203/427/488

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Indoor Units

Specification-R32 Wall Mounted J Type

Model	Indoor unit		AMWM-H07/4R3(J*)	AMWM-H09/4R3(J*)	AMWM-H12/4R3(J*)
Capacity	Cooling/Heating	Btu/h	7165(3855-9220)/7510(3340-8530)	9000(4780-11260)/9215(4095-10240)	12285(5800~12625)/12625(5120~12625)
		kW	2.05(1.13-2.70)/2.15(0.98-2.50)	2.58(1.40-3.30)/2.70(1.20-3.00)	3.50(1.70~3.70)/3.50(1.50~3.70)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	40(12~68)/40(12~68)	40(12~68)/40(12~68)	40(12~68)/40(12~68)
Performance	Air Flow Volume	m³/h	600	600	600
	Sound Pressure Noise Level	dB(A)	40/38/34	40/38/34	42/40/37
	Sound Power Noise Level	dB(A)	51	54	52
Dimension (WxDxH)	Net	mm	792×292×201	792×292×201	792×292×201
	Packing	mm	888×370×290	888×370×290	888×370×290
Weight	Net/Gross	kg	8/10	8/10	8.5/10.5
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Drainage	mm(inch)	16.5	16.5	16.5
Stuffing Quantity 20/40/40H		unit	304/640/720	304/640/720	304/640/720

Model	Indoor unit		AMWM-H18/4R3(J*)	AMWM-H24/4R3(J*)
Capacity	Cooling/Heating	Btu/h	17747(8530~19790)/18085(7680~19790)	23986(9895~24908)/24054(7165~27296)
		kW	5.27(2.50~5.80)/5.37(2.25~5.80)	7.03(2.90~7.30)/7.05(2.10~8.00)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	63(16~88)/63(16~88)	63(16~88)/63(16~88)
Performance	Air Flow Volume	m³/h	850	1150
	Sound Pressure Noise Level	dB(A)	45/42/37	49/43/37
	Sound Power Noise Level	dB(A)	55	59
Dimension (WxDxH)	Net	mm	940×316×224	1132×330×232
	Packing	mm	1010×385×310	1205×400×317
Weight	Net/Gross	kg	12/14	14/17
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	16.5	16.5
Stuffing Quantity 20/40/40H		unit	238/490/560	154/336/384

Specification-R32 Wall Mounted H Type

Model	Indoor unit		AMWM-H07/4R3(H*)	AMWM-H09/4R3(H*)	AMWM-H12/4R3(H*)
Capacity	Cooling/Heating	Btu/h	7165(3855-9220)/7510(3340-8530)	9000(4780-11260)/9215(4095-10240)	12285(5800~12625)/12625(5120~12625)
		kW	2.05(1.13-2.70)/2.15(0.98-2.50)	2.58(1.40-3.30)/2.70(1.20-3.00)	3.50(1.70~3.70)/3.50(1.50~3.70)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	40(12~68)/40(12~68)	40(12~68)/40(12~68)	40(12~68)/40(12~68)
Performance	Air Flow Volume	m³/h	600	600	600
	Sound Pressure Noise Level	dB(A)	40/36/32	40/36/32	41/37/33
	Sound Power Noise Level	dB(A)	57	57	57
Dimension (WxDxH)	Net	mm	788×292×198	788×292×190	788×292×198
	Packing	mm	880×370×290	880×370×290	880×370×290
Weight	Net/Gross	kg	8/10	8/10	8.5/10.5
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Drainage	mm(inch)	16.9	16.9	16.9
Stuffing Quantity 20/40/40H		unit	312/640/720	312/640/720	312/640/720

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Specification-R32 Wall Mounted H Type

Model	Indoor unit		AMWM-H18/4R3(H*)	AMWM-H24/4R3(H*)
Capacity	Cooling/Heating	Btu/h	17747(8530~19790)/18085(7680~19790)	23986(9895~24908)/24054(7165~27296)
		kW	5.27(2.50~5.80)/5.37(2.25~5.80)	7.03(2.90~7.30)/7.05(2.10~8.00)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	63(16~88)/63(16~88)	63(16~88)/63(16~88)
Performance	Air Flow Volume	m³/h	850	1150
	Sound Pressure Noise Level	dB(A)	44/41/37	46/42/38
	Sound Power Noise Level	dB(A)	57	62
Dimension (WxDxH)	Net	mm	936×316×221	1121×329×231
	Packing	mm	1010×385×307	1210×400×327
Weight	Net/Gross	kg	12/14	15/18
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	16.9	16.9
Stuffing Quantity 20/40/40H		unit	238/490/560	154/336/384

Specification-R32 Cassette

Model	Indoor unit		AMCA-H09/4R3AA	AMCA-H12/4R3AA	AMCA-H18/4R3AA	AMCA-H24/4R3B
Capacity	Cooling/Heating	Btu/h	9560(5120~12115)/1040(5460~13000)	12285(5800~12625)/13306(6930~15080)	17060(8530~19107)/19107(10340~24000)	24000(7400-28000)/27300(6800-31700)
		kW	2.80(1.50-3.55)/3.00(1.60-3.81)	3.60(1.70-3.70)/3.9(2.03-4.42)	5.0(2.50-5.6)/5.6(3.03-7.03)	7.00(2.16-8.20)/8.00(1.98-9.30)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	70(17.5~109)/70(17.5~109)	70(17.5~109)/70(17.5~109)	70(17.5~109)/70(17.5~109)	110(27.5-171)/110(27.5-171)
Performance	Air Flow Volume	m³/h	700/600/530	700/600/530	700/600/530	1400/1350/1150
	Sound Pressure Noise Level	dB(A)	45/41/35	45/41/35	45/41/35	47/45/42
	Sound Power Noise Level	dB(A)	56	56	56	57
Dimension (WxDxH)	Net(Body)	mm	570×570×260	570×570×260	570×570×260	840×840×246
	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	18/21	18/21	18/21	26/30
	Net/Gross(Panel)	kg	2.2/3.7	2.2/3.7	2.2/3.7	5.3/7.8
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(3/8)
	Drainage	mm(inch)	20	20	20	20
Stuffing Quantity 20/40/40H		unit	168/361/414	168/361/414	168/361/414	82/180/206

Specification-R32 Y Type Slim Duct

Model	Indoor unit		AMSD-H07/4R3AA	AMSD-H09/4R3AA	AMSD-H12/4R3AA	AMSD-H18/4R3AA	AMSD-H24/4R3AA
Capacity	Cooling/Heating	Btu/h	7506(3855~9220)/8530(4575~10820)	8872(5120~12115)/9895(5800~12450)	12280(5835~13135)/13650(6480~13375)	17400(8530~19790)/19790(9690~21685)	24225(11846-25436)/25590(12513-26869)
		kW	2.20(1.13-2.70)/2.50(1.34~3.17)	2.60(1.50-3.55)/2.9(1.70-3.65)	3.60(1.71~3.85)/4.0(1.90~3.92)	5.10(2.50~5.80)/5.8(2.84~6.40)	7.10(3.47-7.55)/7.50(3.67-7.88)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	55/55	55/55	55/55	75/75	90/90
Performance	Air Flow Volume	m³/h	600/450/380	600/450/380	680/560/450	860/660/600	1150/880/780
	Sound Pressure Noise Level	dB(A)	37/33/30	37/33/30	38/34/31	39/35/33	41/38/36
	Sound Power Noise Level	dB(A)	53	53	53	55	55
	ESP	Pa	10	10	10	10	10
Dimension (WxDxH)	Net	mm	700×470×200	700×470×200	700×470×200	1000×470×200	1000×470×200
	Packing	mm	1005×580×275	1005×580×275	1005×580×275	1305×580×275	1610*580*275
Weight	Net/Gross	kg	18.5/22	18.5/22	18.5/22	24/28	29/33
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(1/2)	9.52(1/2)	9.52(1/2)	12.7(1/2)	12.7(1/2)
	Drainage	mm(inch)	16.5	16.5	16.5	16.5	16.5
Stuffing Quantity 20/40/40H		unit	176/368/414	176/368/414	176/368/414	136/288/324	104/232/260

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

Indoor Units

Specification-R32 F Type Ceiling&Floor

Model	Indoor unit		AMCF-H09/4R3F	AMCF-H12/4R3F	AMCF-H18/4R3F
Capacity	Cooling/Heating	Btu/h	9560(5120~12115)/10240(5460~13000)	12285(5800~12625)/13306(6930~15080)	18080(8530~19107)/19790(10340~24000)
		kW	2.80(1.50~3.55)/3.00(1.60~3.81)	3.60(1.70~3.70)/3.9(2.03~4.42)	5.3(2.50~5.6)/5.8(3.03~7.03)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	70(20~125)/70(20~125)	70(20~125)/70(20~125)	80(20~125)/80(20~125)
Performance	Air Flow Volume	m^3/h	840/700/580	840/700/580	900/720/600
	Sound Pressure Noise Level	dB(A)	40/34/31	40/34/31	42/35/33
	Sound Power Noise Level	dB(A)	55	55	58
Dimension (WxDxH)	Net	mm	1000×690×235	1000×690×235	929×660×205
	Packing	mm	1080×770×325	1080×770×325	1010×720×290
Weight	Net/Gross	kg	27/32.5	27/32.5	28/33.5
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	112/224/256	112/224/256	112/224/256

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

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Indoor Units

Specification-Wall Mounted L Tybe R410A

Model	Indoor unit		AMWM-H07/4R1(L*)	AMWM-H09/4R1(L*)	AMWM-H12/4R1(L*)	AMWM-H18/4R1(L*)
Capacity	Cooling/Heating	Btu/h	6995(3412~10236)/7336(3412~10236)	8701(3412~11260)/9042(3753~11260)	12113(4094~12966)/12113(3412~12966)	17401(6483~18766)/18425(4777~19107)
		kW	2.05 (1.00~3.00)/2.15(1.10~3.00)	2.55(1.00~3.30)/2.65(1.10~3.30)	3.55(1.20~3.80)/3.55(1.00~3.80)	5.10(1.90~5.50)/5.40(1.40~5.60)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	40	40	40	63
Performance	Air Flow Volume	m^3/h	570/450/395	570/450/395	570/450/395	1000/860/688
	Sound Pressure Noise Level	dB(A)	40/38/34	40/38/34	42/40/36	45/42/35
	Sound Power Noise Level	dB(A)	50	50	50	50
Dimension (WxDxH)	Net	mm	800×300×198	800×300×198	800×300×198	970×315×235
	Packing	mm	870×370×282	870×370×282	870×370×282	1047×385×317
Weight	Net/Gross	kg	10/11.5	10/11.5	10/11.5	13/16
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	12.7(1/2)
	Drainage	mm(inch)	16.5(3/5)	16.5(3/5)	16.5(3/5)	16.5(3/5)
Stuffing Quantity	20/40/40H	unit	320/680/765	320/680/765	320/680/765	224/476/544

Specification-Wall Mounted F Type R410A

Model	Indoor unit		AMWM-H07/4R1(F*)	AMWM-H09/4R1(F*)	AMWM-H12/4R1(F*)	AMWM-H18/4R1(F*)
Capacity	Cooling/Heating	Btu/h	7165(3855-9220)/7510(3340-8530)	8870(4780-11260)/9215(4095-10240)	12285(5800-12625)/12625(5120-12625)	17745(8530-19790)/18085(7680-19790)
		kW	2.05(1.13-2.70)/2.15(0.98-2.50)	2.55(1.40-3.30)/2.65(1.20-3.00)	3.60(1.70-3.70)/3.70(1.50-3.70)	5.20(2.50-5.80)/5.00(2.25-5.80)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	40	40	40	63
Performance	Air Flow Volume	m^3/h	550/480/370	550/480/370	550/480/370	900/800/680
	Sound Pressure Noise Level	dB(A)	40/38/34	40/38/34	42/40/36	45/42/35
	Sound Power Noise Level	dB(A)	50	50	50	50
Dimension (WxDxH)	Net	mm	750×285×200	750×285×200	750×285×200	900×310×225
	Packing	mm	820×347×277	820×347×277	820×347×277	970×382×302
Weight	Net/Gross	kg	8/10.5	8/10.5	8/10.5	12/14
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	12.7(1/2)
	Drainage	mm(inch)	16.5(3/5)	16.5(3/5)	16.5(3/5)	16.5(3/5)
Stuffing Quantity	20/40/40H	unit	384/768/864	384/768/864	384/768/864	252/518/592

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Indoor Units

Specification-R410A Cassette

Model	Indoor unit		AMCA-H09/4R1A	AMCA-H12/4R1A	AMCA-H18/4R1A	AMCA-H24/4R1B
Capacity	Cooling/Heating	Btu/h	9560(5120~12115)/10240(5460~13000)	12285(5800~12625)/13306(6930~15080)	18080(8530-19107)/19790(10340-24000)	24000(7400-28000)/27300(6800-31700)
		kW	2.80(1.50~3.55)/3.00(1.60~3.81)	3.60(1.70~3.70)/3.90(2.03~4.42)	5.00(2.50~5.60)/5.60(3.03~7.03)	7.00(2.16-8.20)/8.00(1.98-9.30)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	70	70	70	110
Performance	Air Flow Volume	m³/h	700/600/530	700/600/530	700/600/530	1400/1350/1150
	Sound Pressure Noise Level	dB(A)	45/41/35	45/41/35	45/41/35	47/45/42
	Sound Power Noise Level	dB(A)	56	56	56	57
Dimension (WxDxH)	Net(Body)	mm	570×570×260	570×570×260	570×570×260	840×840×246
	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	18/21	18/21	18/21	26/30
	Net/Gross(Panel)	kg	3/5	3/5	3/5	5.3/7.8
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(3/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	20
Stuffing Quantity	20/40/40H	unit	168/361/414	168/361/414	168/361/414	82/180/206

Specification-R410A E Type Slim Duct

Model	Indoor unit		AMSD-H07/4R1	AMSD-H09/4R1	AMSD-H12/4R1	AMSD-H18/4R1
Capacity	Cooling/Heating	Btu/h	7506(3855~9220)/8530(4575~10820)	8872(5120~12115)/9895(5800~12450)	12280(5835~13135)/13650(6480~13375)	17400(8530~19790)/19790(9690~21835)
		kW	2.20(1.13~2.70)/2.50(1.34~3.17)	2.60(1.50~3.55)/2.90(1.70~3.65)	3.60(1.71~3.85)/4.00(1.90~3.92)	5.10(2.50~5.80)/5.80(2.84~6.40)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	45	45	75	137
Performance	Air Flow Volume	m³/h	420/336/294	420/336/294	580/464/406	860/688/602
	Sound Pressure Noise Level	dB(A)	30/26/23	30/26/23	32/28/25	38/35/32
	Sound Power Noise Level	dB(A)	30	30	32	38
	ESP	Pa	30	30	30	30
Dimension (WxDxH)	Net	mm	840×460×185	840×460×185	840×460×185	1160×460×185
	Packing	mm	1030*545*250	1030*545*250	1030*545*250	1350*545*250
Weight	Net/Gross	kg	16.5/20	16.5/20	17.5/21	21/26
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)
	Drainage	mm(inch)	16.5(3/5)	16.5(3/5)	16.5(3/5)	16.5(3/5)
Stuffing Quantity	20/40/40H	unit	168/344/387	168/344/387	168/344/387	144/297/330

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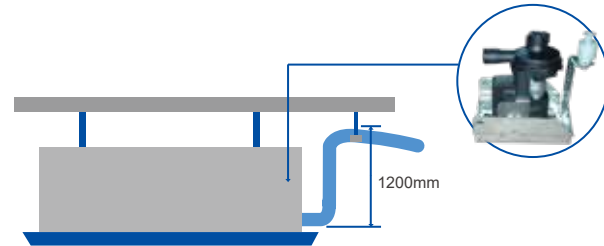
Indoor Units

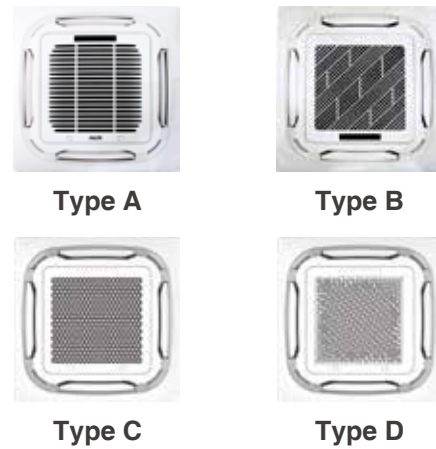## Specification-R410A Y Type Slim Duct

Model	Indoor unit		AMSD-H07/4R1AA	AMSD-H09/4R1AA	AMSD-H12/4R1AA	AMSD-H18/4R1AA	AMSD-H24/4R1AA
Capacity	Cooling/Heating	Btu/h	7506(3855~9220)/8530(4575~10820)	8872(5120~12115)/9895(5800~12450)	12280(5835~13135)/13650(6480~13375)	17400(8530~19790)/19790(9690~21835)	24225(11846-25436)/25590(12513-26869)
		kW	2.20(1.13~2.70)/2.50(1.34~3.17)	2.60(1.50~3.55)/2.9(1.70~3.65)	3.60(1.71~3.85)/4.0(1.90~3.92)	5.10(2.50~5.80)/5.8(2.84~6.40)	7.10(3.47-7.55)/7.50(3.67-7.88)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	55/55	55/55	55/55	75/75	90/90
Performance	Air Flow Volume	m³/h	600/450/380	600/450/380	680/560/450	860/660/600	1150/880/780
	Sound Pressure Noise Level	dB(A)	37/33/30	37/33/30	38/34/31	39/35/33	41/38/36
	Sound Power Noise Level	dB(A)	53	53	53	55	55
	ESP	Pa	10/30	10/30	10/30	10/30	10/30
Dimension (WxDxH)	Net	mm	700×470×200	700×470×200	700×470×200	1000×470×200	1000×470×200
	Packing	mm	1005×580×275	1005×580×275	1005×580×275	1305×580×275	1610*580*275
Weight	Net/Gross	kg	18.5/22	18.5/22	18.5/22	24/28	29/33
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)	12.7(1/2)	12.7(1/2)
	Drainage	mm(inch)	16.5	16.5	16.5	16.5	16.5
Stuffing Quantity	20/40/40H	unit	176/368/414	176/368/414	176/368/414	136/288/324	104/232/260

Specification-R410A Ceiling&Floor

Model	Indoor unit		AMCF-H09/4R1	AMCF-H12/4R1	AMCF-H18/4R1
Capacity	Cooling/Heating	Btu/h	9560(5120~12115)/10240(5460~13000)	12285(5800~12625)/13306(6930~15080)	18080(8530~19107)/19790(10340~24000)
		kW	2.80(1.50~3.55)/3.00(1.60~3.81)	3.60(1.70~3.70)/3.90(2.03~4.42)	5.30(2.50~5.60)/5.8(3.03~7.03)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	W	80	80	80
Performance	Air Flow Volume	m³/h	620/504/441	620/504/441	850/680/595
	Sound Pressure Noise Level	dB(A)	39/36/30	39/36/30	43/39/36
	Sound Power Noise Level	dB(A)	55	55	55
Dimension (WxDxH)	Net	mm	929×660×205	929×660×205	929×660×205
	Packing	mm	1010×720×290	1010×720×290	1010×720×290
Weight	Net/Gross	kg	24/27	24/27	25/28
Piping size	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	136/280/315	136/280/315	136/280/315

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Outdoor Unit

Specification-R410A 50Hz ON/OFF

Model	Outdoor		AL-H12/4R1F-R(U)	AL-H18/4R1F-R(U)	AL-H24/4R1F-R(U)	AL-H36/4R1F-R(U)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220-240,50,1
Performance	Air Flow Volume	m³/h	1980	2600	3000	3850
	Noise Level	dB(A)	53	55	57	60
Dimension (W×D×H)	Net	mm	730×285×545	800×315×545	825×310×655	970×395×805
	Packing	mm	845×370×620	920×400×620	945×435×725	1105×495×895
Compressor	Type		Rotory			
Weight	Net/Gross	kg	28/32	42/45	53/56	65/75
Piping size	Liquid Side	mm(inch)	6.35	6.35	9.52	9.52
	Gas Side	mm(inch)	12.7	12.7	15.88	15.88
	Max. Length	m	15	20	20	30
	Max. Height	m	10	15	15	20
Ambient temperature	Cooling/Heating	°C	-15~49/-15~24	-15~49/-15~24	-15~49/-15~24	-15~49/-15~24
Stuffing Quantity	20/40/40H	unit	119/261/348	101/215/291	93/198/198	40/96/144

Specification-R410A 50Hz ON/OFF

Model	Outdoor		AL-H36/5R1F-R(U)	AL-H48/5R1F1-R(U)	AL-H60/5R1F-R(U)
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	380~415,50,3
Performance	Air Flow Volume	m³/h	3850	5800	5800
	Noise Level	dB(A)	60	60	60
Dimension (W×D×H)	Net	mm	970×395×805	940×370×1325	940×370×1325
	Packing	mm	1105×495×895	1080×430×1440	1080×430×1440
Compressor	Type		Rotory		
Weight	Net/Gross	kg	65/75	95/105	99/109
Piping size	Liquid Side	mm(inch)	9.52	9.52	9.52
	Gas Side	mm(inch)	15.88	19.05	19.05
	Max. Length	m	30	50	50
	Max. Height	m	20	30	30
Ambient temperature	Cooling/Heating	°C	-15~49/-15~24	-15~49/-15~24	-15~49/-15~24
Stuffing Quantity	20/40/40H	unit	40/96/144	27/55/55	27/55/55

★ 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

On/Off Series

Compact Cassette & Cassette

Standard   Optional

Built-In Drain Pump

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

1200mm

Optional panels

Type A   **Type B**

Type C   **Type D**

Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.

Fresh air intake

FEATURES

■ optional ■ standard

Auto Restart Function

Hydrophilic Aluminum Fin

Fast Cooling/ Heating

Low Ambient Cooling

Intelligent Defrosting

Remote Control

Washable Filter

Fire-proof Electric Box

Built-in Drain Pump

Digital Tube Display

Wired Control

Central Control

Golden Fin

WIFI Control

Specification-R410A 50Hz ON/OFF

Model	Indoor		ALCA-H12/4R1E1A-R	ALCA-H18/4R1E1A-R	ALCA-H24/4R1E1A-R	ALCA-H36/4R1E1A-R
	Outdoor		AL-H12/4R1F-R(U)	AL-H18/4R1F-R(U)	AL-H24/4R1F-R(U)	AL-H36/4R1F-R(U)
Capacity	Cooling/Heating	Btu/h	12000/13500	18000/19100	24000/26900	36000/39920
		kW	3.52/3.96	5.28/5.60	7.03/7.88	10.6/11.7
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	kW	1.16/1.22	1.70/1.64	2.26/2.31	3.77/3.50
	Cooling/Heating Current	A	5.32/5.60	7.80/7.52	10.37/10.60	17.30/16.60
Performance	EER/COP	W/W	3.03/3.25	3.1/3.41	3.11/3.41	2.81/3.34
	Air Flow Volume	m³/h	750/650/580	800/730/660	1200/950/800	1500/1200/1050
	Noise Level	dB(A)	41/40/32	45/40/32	45/42/36	48/45/39
Dimension (W×D×H)	Net(Body)	mm	570×570×260	570×570×260	835×835x250	835×835x250
	Packing(Body)	mm	655×655×295	655×655×295	910x910x310	910×910×310
	Net(Panel)	mm	650×650×55	650×650x55	950x950x55	950×950×55
	Packing(Panel)	mm	710×710×80	710x710x80	1000x1000x100	1000x1000x100
Weight	Net/Gross (Body)	kg	17/20	19/21	25/29	27/30
	Net/Gross (Panel)	kg	2.2/3.7	2.2/3.7	5.3/7.8	5.3/7.8
Piping size	Drainage	mm(Inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	66/150/165	66/150/165	34/80/90	28/63/72

Specification-R410A 50Hz ON/OFF

Model	Indoor		ALCA-H36/5R1E1A-R	ALCA-H48/5R1E2A-R	ALCA-H60/5R1E1A-R
	Outdoor		AL-H36/5R1F-R(U)	AL-H48/5R1F1-R(U)	AL-H60/5R1F-R(U)
Capacity	Cooling/Heating	Btu/h	36000/39920	48000/53057	60000/63500
		kW	10.6/11.7	14.07 /15.55	17.60 /18.50
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	380~415,50,3
	Cooling/Heating Power Input	kW	3.77/3.50	4.85/4.80	6.26/5.78
	Cooling/Heating Current	A	6.76/6.28	9.10/9.00	11.34/10.36
Performance	EER/COP	W/W	2.81/3.34	2.90/3.18	2.81/3.2
	Air Flow Volume	m³/h	1500/1200/1050	1800/1440/1260	1800/1440/1260
	Noise Level	dB(A)	48/45/39	53/51/47	53/51/47
Dimension (W×D×H)	Net(Body)	mm	835x835×250	835x835x290	835x835x290
	Packing(Body)	mm	910×910×310	910x910x350	910x910x350
	Net(Panel)	mm	950×950×55	950x950x55	950x950x55
	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100
Weight	Net/Gross (Body)	kg	27/30	28/32	28/32
	Net/Gross (Panel)	kg	5.3/7.8	5.3/7.8	5.3/7.8
Piping size	Drainage	mm(Inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	28/63/72	22/50/55	22/50/55

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

Ceiling&Floor

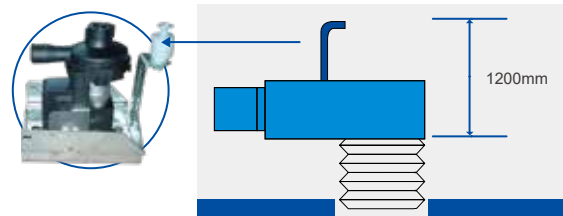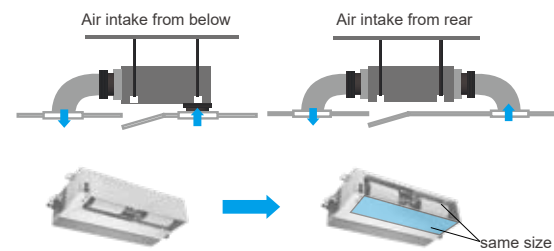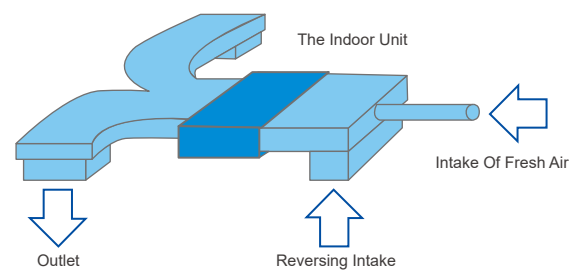## Anti-condensation

Flocking design, good thermal insulation effect, avoid large temperature difference, anti-condensation

Standard   Optional

Fresh air

Fresh air intake design to improve air quality.

Fresh air intake hole
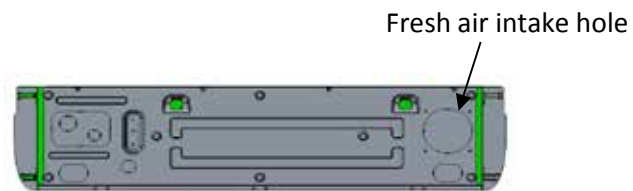
Low noise

Leading low noise, create a quiet environment

Easy drainage

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

FEATURES

■ optional ■ standard

| Auto Restart Function | Hydrophilic Aluminum Fin | Fast Cooling/ Heating | Low Ambient Cooling | Intelligent Defrosting | Remote Control |

| 3D Air Flow | Long-term Filter | Wired Control | Central Control | Golden Fin | WIFI Control |

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Ceiling&Floor

Specification-R410A 50Hz ON/OFF

Model			ALCF-H18/4R1F1-R	ALCF-H24/4R1F1-R	ALCF-H36/4R1F1-R
	Indoor		ALCF-H18/4R1F1-R	ALCF-H24/4R1F1-R	ALCF-H36/4R1F1-R
	Outdoor		AL-H18/4R1F-R(U)	AL-H24/4R1F-R(U)	AL-H36/4R1F-R(U)
Capacity	Cooling/Heating	Btu/h	18420/19790	24566/25931	36160/39920
		kW	5.40/5.80	7.20/7.60	10.6/11.7
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	kW	1.65/1.50	2.24/2.10	3.57/3.50
	Cooling/Heating Current	A	7.80/7.20	9.74/9.13	16.30/15.80
Performance	EER/COP	W/W	3.1/3.41	3.11/3.41	2.81/3.34
	Air Flow Volume	m³/h	950/700/560	1520/1260/800	1520/1260/800
	Noise Level	dB(A)	43/35/32	50/46/42	50/46/42
Dimension (W×D×H)	Net	mm	1000×690×235	1280×690×235	1280×690×235
	Packing	mm	1080×770×325	1360×770×325	1360×770×325
Weight	Net/Gross	kg	29/33	36/42	36/42
Piping size	Drainage	mm(Inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	54/120/144	48/99/109	36/75/86

Specification-R410A 50Hz ON/OFF

| Model			ALCF-H36/5R1F1-R	ALCF-H48/5R1F1-R	ALCF-H60/5R1F1-R
	Indoor		ALCF-H36/5R1F1-R	ALCF-H48/5R1F1-R	ALCF-H60/5R1F1-R
	Outdoor		AL-H36/5R1F-R(U)	AL-H48/5R1F1-R(U)	AL-H60/5R1F-R(U)
Capacity	Cooling/Heating	Btu/h	36160/39920	48000/53057	55000/60000
		kW	10.6/11.7	14.07 /15.55	16.12 /17.58
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	380~415,50,3
	Cooling/Heating Power Input	kW	3.50/3.45	4.85/4.80	5.20/5.10
	Cooling/Heating Current	A	5.82/5.60	9.10/9.00	12.00/10.30
Performance	EER/COP	W/W	2.81/3.34	2.90/3.18	2.81/3.2
	Air Flow Volume	m³/h	1520/1260/800	2000/1800/1250	2000/1800/1250
	Noise Level	dB(A)	50/46/42	51/46/40	51/46/40
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(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	36/75/86	24/54/55	24/54/55

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

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Mid ESP Duct

Standard   Optional

Built-In Drain Pump (Optional)

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

1200mm

Flexible Installation

Air intake from rear as standard, from bottom is optional. The size of the plate from bottom is the same as the flange from back, which makes it convenient to change installation style due to different decoration requirements.

Air intake from below   Air intake from rear

same size

Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.

The Indoor Unit

Intake Of Fresh Air

Outlet   Reversing Intake

FEATURES

■ optional   ■ standard

Auto Restart Function

Hydrophilic Aluminum Fin

Fast Cooling/ Heating

Low Ambient Cooling

Intelligent Defrosting

Long-term Filter

Wired Control

Remote Control

Central Control

Golden Fin

WIFI Control

Mid ESP Duct

Specification-R410A 50Hz ON/OFF

Model	Indoor		ALLD-H12/4R1F-R	ALMD-H18/4R1F-R	ALMD-H24/4R1F-R	ALMD-H36/4R1F-R
	Outdoor		AL-H12/4R1F-R(U)	AL-H18/4R1F-R(U)	AL-H24/4R1F-R(U)	AL-H36/4R1F-R(U)
Capacity	Cooling/Heating	Btu/h	12000/12750	18000/19100	24000/26900	36000/39920
		kW	3.52/3.73	5.28/5.60	7.03/7.88	10.6/11.7
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	kW	1.14/1.15	1.70/1.55	2.26/2.18	3.77/3.50
	Cooling/Heating Current	A	5.49/5.63	7.80/7.11	10.37/10.00	17.30/16.60
Performance	EER/COP	W/W	3.08/3.24	3.1/3.61	3.11/3.61	2.81/3.34
	Air Flow Volume	m³/h	613/513/433/388	950/760/665	1400/1250/1050	2000/1600/1400
	Noise Level	dB(A)	39/37/33/29	38/35/32	46/44/42	50/47/41
	ESP	Pa	20	80	80	80
Dimension (W×D×H)	Net	mm	700×450×200	890x735×290	890x735×290	890×735×290
	Packing	mm	1005×560×275	1070×800×360	1070×800×360	1070×800×360
Weight	Net/Gross	kg	18/21	32/37	33/38	35/39
Piping size	Drainage	mm(Inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	80/171/192	48/104/122	40/82/106	30/70/82

Specification-R410A 50Hz ON/OFF

Model	Indoor		ALMD-H36/5R1F-R	ALMD-H48/5R1M1-R	ALMD-H60/5R1F-R
	Outdoor		AL-H36/5R1F-R(U)	AL-H48/5R1F1-R(U)	AL-H60/5R1F-R(U)
Capacity	Cooling/Heating	Btu/h	36000/39920	48000/53057	60000/63500
		kW	10.6/11.7	14.07 /15.55	17.60 /18.50
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	380~415,50,3
	Cooling/Heating Power Input	kW	3.73/3.50	4.85/4.80	6.26/5.78
	Cooling/Heating Current	A	6.69/6.28	9.10/9.00	11.34/10.36
Performance	EER/COP	W/W	2.84/3.34	2.90/3.18	2.81/3.2
	Air Flow Volume	m³/h	2000/1600/1400	2400/2100/1700	2600/2300/1950
	Air Flow Volume	m³/h	50/47/41	49/46/44	50/47/45
	Noise Level	dB(A)	80	80	80
Dimension (W×D×H)	Net	mm	890×735×290	1250x735x290	1250×735×290
	Packing	mm	1070×800×360	1430×800×360	1430×800×360
Weight	Net/Gross	kg	35/39	45/51	50/56
Piping size	Drainage	mm(Inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	set	30/70/82	22/46/49	22/46/49

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

High ESP Duct

Standard　　Optional

High ESP Duct

High Static Pressure

ESP range is optional, can reach 196Pa, It suits 6.5m super high ceiling air supply.

196pa
air outlet
duct
indoor unit
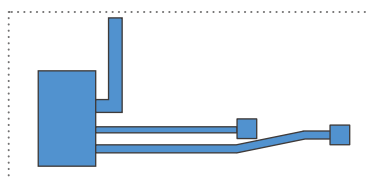ceiling
Height 6.5m
suspended ceiling
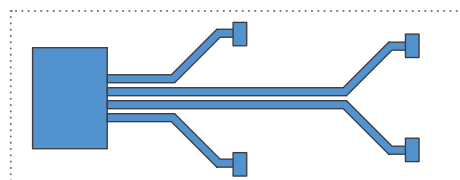return air inlet
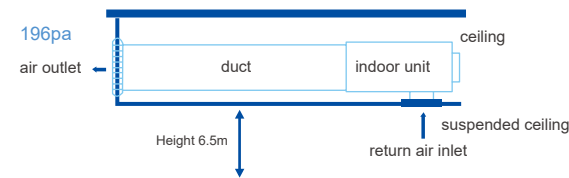
Long Distance Air Supply

It is suitable for long distance air supply and flexible air duct installation. Specially for different irregular size rooms.
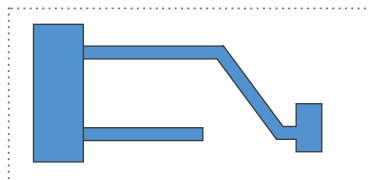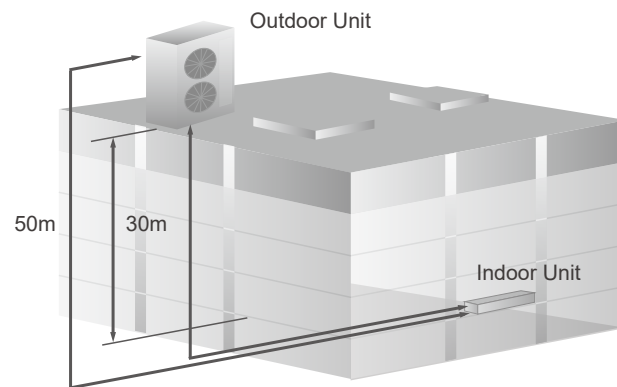
Long and narrow size room

L size room

Oversize room

Long Pipe and Large Height Difference

Outdoor Unit
50m 30m
Indoor Unit

Specification-R410A 50Hz ON/OFF

Model	Indoor		ALHD-H48/5R1B1	ALHD-H60/5R1A
Capacity	Cooling/Heating	Btu/h	48000/53057	60000/63000
		kW	14.07 /15.55	17.60/18.50
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1
	Cooling/Heating Power Input	kW	4.85/4.80	6.80/5.80
	Cooling/Heating Current	A	9.10/9.00	11.50/10.00
Performance	EER/COP	W/W	2.90/3.18	3.08/3.08
	Air Flow Volume	m³/h	3150/2800/2400	3150/2800/2400
	Noise Level	dB(A)	56/54/51	56/54/51
	ESP	Pa	196	196
Dimension (W×D×H)	Net	mm	1200×719×380	1200×719×380
	Packing	mm	1235×760×415	1235×760×415
Weight	Net/Gross	kg	53/58	55/59
Piping size	Drainage	mm(Inch)	DN20(R3/4)	DN20(R3/4)
	Outdoor		AL-H48/5R1F1-R(U)	AL-H60/5R1F-R(U)
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3
Air Flow Volume		m³/h	6400	6400
Performance	Noise Level	dB(A)	60	60
Dimension (W×D×H)	Net	mm	1325×940×370	1325×940×370
	Packing	mm	1440×1080×440	1440×1080×440
Compressor	Type		Rotory	Rotory
Weight	Net/Gross	kg	95/105	99/109
Piping size	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	19.05(3/4)	19.05(3/4)
Max. Length		m	50	50
Max. Height		m	30	30
Stuffing Quantity	20/40/40H	set	24/54/55	24/54/55

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

Commercial
High ESP Duct

Commercial

High ESP Duct

Standard   Optional

Three-Speed Fan Motor

Outdoor unit 3 fan speeds with better low temp. cooling.
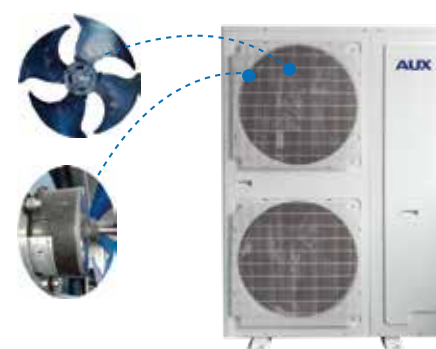
Long Distance Air Supply

High ESP design makes the air supply the longest distance 50m, and the air supply is distributed well.
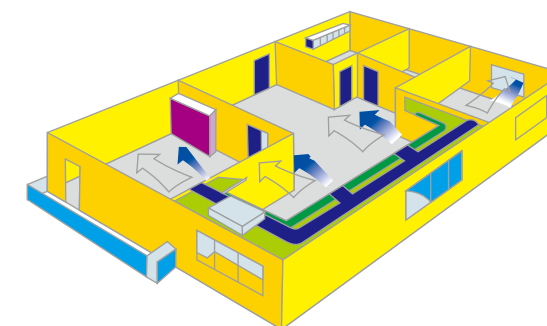
Wide Operation Range

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

-15°C   52°C

FEATURES

optional ☐ standard

Wired Control   Auto Restart Function   Anti-Cold-Air   Compressor Heating belt   Hydrophilic Aluminum Fin   Low Ambient Cooling   Fast Cooling/Heating

Long-term Filter   Intelligent Defrosting   Self-diagnosis Function   Remote Control   Central Control   WIFI Control

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High ESP Duct

Commercial Floor&Standing

Specification-R410A Side Discharge

Model	Indoor		ALHD-H80/5R1S	ALHD-H100/5R1S
	Outdoor		AL-H80/5R1S(HD)	AL-H100/5R1S(HD)
Indoor				
Capacity	Cooling/Heating	Btu/h	76000/83600	96000/105600
		kW	22.00/24.50	28.00/31.00
Electric Data	Power Supply	V~,Hz,Ph	380-415,50,3	380-415,50,3
	Cooling/Heating Power Input	kW	8.30/7.50	10.60 /9.48
	Cooling/Heating Current	A	13.41/12.10	17.07/15.35
Performance	EER/COP	W/W	2.65/3.27	2.64/3.27
Indoor	Net Dimension	mm	1350×700×460	1350×700×460
	Packing Dimension	mm	1540×810×610	1540×810×610
	Net/Gross Weight	kg	90/110	91/111
	Air Flow Volume	m³/h	5000/4000/3600	5000/4000/3600
	Noise Leve	dB(A)	55	55
	ESP	Pa	150	150
Outdoor				
Outdoor	Net Dimension	mm	1120×400×1510	1120×400×1510
	Packing Dimension	mm	1270×545×1710	1270×545×1710
	Net/Gross Weight	kg	175/190	176/191
	Air Flow Volume	m³/h	6000×2	6000×2
	Noise Level	dB(A)	58	58
Piping size	Liquid Side	mm(inch)	9.52(3/8)×2	9.52(3/8)×2
	Gas Side	mm(inch)	19.05(3/4)×2	19.05(3/4)×2
	Max. Length	m	50	50
	Max. Height	m	20	20
Stuffing Quantity	20/40/40H	set	12/25/28	12/25/28

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

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

Floor&Standing

Standard

Floor&Standing

Touch Screen Design

Elegant touch screen design, longer lifetime than traditional button design.
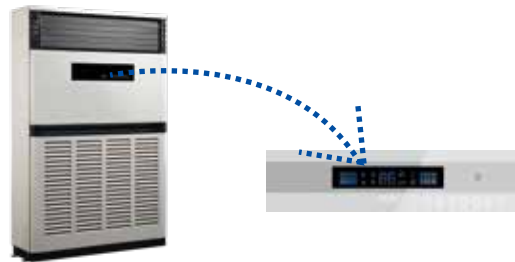
Innovative Diversion Design

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

Air outlet

Innovation diversion desi heat exchange of evapora is more evenly, more fully and increase heat transfer efficiency.

Evaporator

Double volute supply air inlet
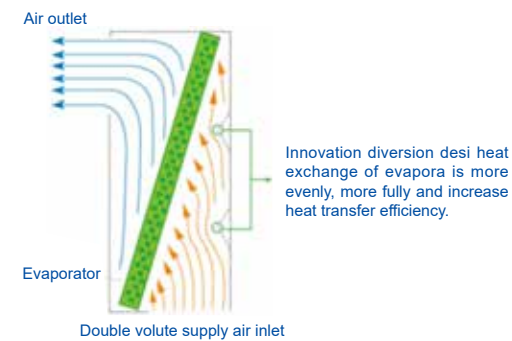
Utra-Slim Design

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

1.2m   0.36m   1.12m   0.4m

Specification-R410A Side Discharge

Model	Indoor		ALFS-H80/5R1S	ALFS-H100/5R1S
	Outdoor		AL-H80/5R1S(FS)	AL-H100/5R1S(FS)
Indoor				
Capacity	Cooling / Heating	Btu/h	76000/83600	96000/105600
		kW	22.00/24.5	28.00/31.00
Electric Data	Power Supply	V~,Hz,Ph	380-415V,50Hz,3N	380-415V,50Hz,3N
	Cooling / Heating Power Input	kW	7.86/8.01	10.07/10.13
	Cooling / Heating Current	A	13.27 / 15.50	17.00/19.75
Performance	EER / COP	W/W	2.80/3.05	2.78/2.65
Indoor	Net Dimension	mm	1200×360×1850	1200×360×1850
	Packing Dimension	mm	1270×430×2000	1270×430×2000
	Net / Gross Weight	kg	110/130	111/131
	Air Flow Volume	m³/h	4000/3800/3600	4000/3800/3600
	Noise Level	dB(A)	56	56
Outdoor				
Outdoor	Net Dimension	mm	1120×400×1510	1120×400×1510
	Packing Dimension	mm	1270×545×1710	1270×545×1710
	Net Weight	kg	175/190	176/191
	Air Flow Volume	m³/h	6000×2	6000×2
	Noise Level	dB(A)	58	58
Piping size	Liquid Side	mm(inch)	9.52(3/8)×2	9.52(3/8)×2
	Gas Side	mm(inch)	19.05(3/4)×2	19.05(3/4)×2
	Max. Length	m	50	50
	Max. Height	m	20	20
Stuffing Quantity	20/40/40H	set	9/20/20	9/20/20

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

Compressor Condensing Unit

Compressor Condensing Unit

Specification-R410A 50Hz ON/OFF

Model	CCU		ACCU-C24/4R1(A)	ACCU-C36/5R1(A)
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	380~415,50,3
Capacity	Cooling	Btu/h	24000	36000
		kW	7	10.6
Performance	Air Flow Volume	CFM	1765	2265
		m³/h	3000	3850
	Noise Level	dB(A)	58	60
Dimension (W×D×H)	Net	mm	880×335×655	970×395×805
	Packing	mm	945×435×725	1105×495×890
Weight	Net	kg	45	65
	Gross	kg	48.5	75
Stuffing Quantity	20/40/40H	Unit	93/198/198	40/96/144

Specification-R410A 50Hz ON/OFF

Model	CCU		ACCU-C48/5R1(A)	ACCU-C55/5R1(A)
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3
Capacity	Cooling	Btu/h	48000	55000
		kW	14	16
Performance	Air Flow Volume	CFM	3412	3412
		m³/h	5800	5800
	Noise Level	dB(A)	60	60
Dimension (W×D×H)	Net	mm	940×370×1325	940×370×1325
	Packing	mm	1080×430×1440	1080×430×1440
Weight	Net	kg	95	99
	Gross	kg	105	109
Stuffing Quantity	20/40/40H	Unit	27/55/55	27/55/55

★ Remark:The above designs and specifications are subject to change of product improvement without prior notice.

Remote Controller

Signal transmitter   Signal transmitter

YK-L
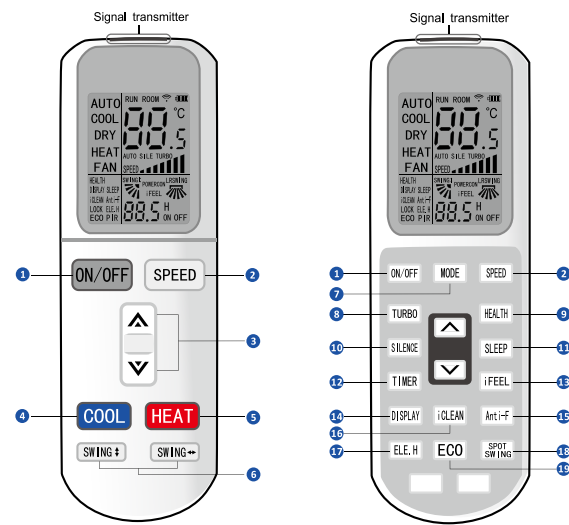
1	ON/OFF	11	Sleep Function
2	Fan Speed Setting HIGH/MED/LOW/AUTO	12	Timer On/Off
3	Temperature-Setting /Timer Range Setting	13	I Feel Function
4	Cooling Mode	14	LED Display On/Off
5	Heating Mode	15	Anti-fungus Function
6	Vertical Swing/Horizontal Swing	16	Clean Function
7	Mode Setting AUTO/COOL/DRY/HEAT/FAN	17	Auxiliary Electric Heating
8	Turbo Wind	18	Spot Swing
9	Health Function	19	Economic Function
10	Silence Function		

YK-K

1	Mode Setting AUTO/COOL/DRY/HEAT/FAN	8	Temperature-Setting /Timer Range Setting
2	Fan Speed Setting HIGH/MED/LOW/AUTO	9	ON/OFF
3	Vertical Swing	10	Timer On/Off
4	Feeling Function	11	Horizontal Swing
5	Strong Wind	12	Clean Function
6	Sleep Function	13	Health Function
7	LED Display On/Off	14	Fungusproof Function

★ Remark：More remote controller please contact the sales representitive.

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Wired Controller

XK-04 (86x86mm)

1	Remote Signal Receiver
2	Photosensitive sensor receiver
3	Fan Button
4	Timer Button
5	Function Button
6	"+"Button
7	"-"Button
8	ON/OFF Button
9	Swing Button
10	Mode Button
11	Comfort Button

XK-05 (120x120mm)
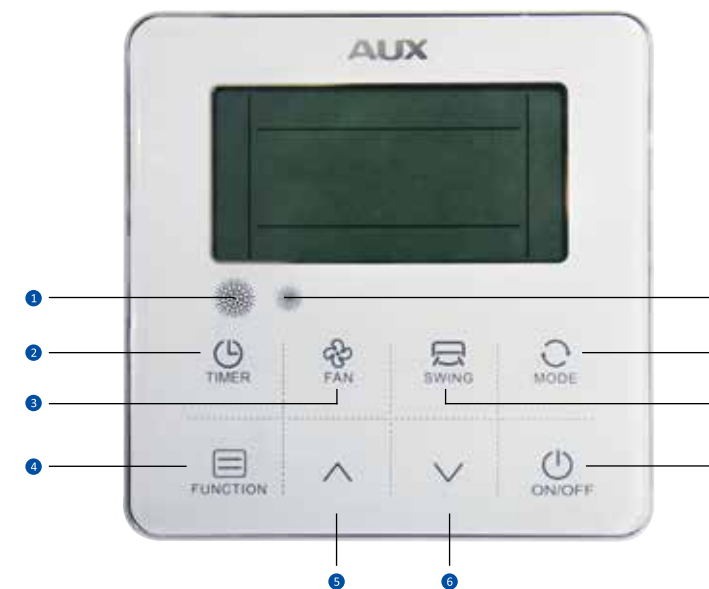
1	Remote Signal Receiver
2	Timer Button
3	Fan Button
4	Function Button
5	"+"Button
6	"-"Button
7	Photosensitive sensor receiver
8	Mode Button
9	Swing Button
10	ON/OFF Button

★ Remark: The above wired controllers all use 485 communication protocol.

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Central Control of Light Commercial

CM-MTD/AM01(NEW adapter)	Old central adapter
127 ×65.8×20.8	115 ×90×73
DC 12V	DC 12V & AC 180-240(50/60HZ)

1.CC02 can be used to centrally control up to 64 indoor units.

2.Weekly schedule: CC02 can include up to 64 indoor units in the weekly schedule, users can select the desired running mode and room temperature. The operation object can be a single indoor unit, a zone or all the indoor units.

3.CC02 can display the error codes and running status of indoor unit, so users can easily identify faults via checking the error codes table in user's manual.

Wireless Network Control System

▼ **Mixed connected with other indoor units**
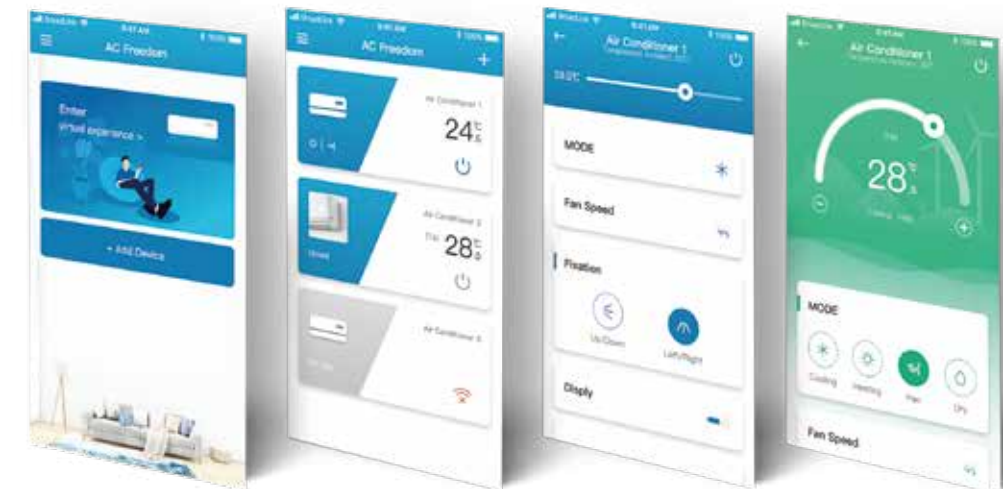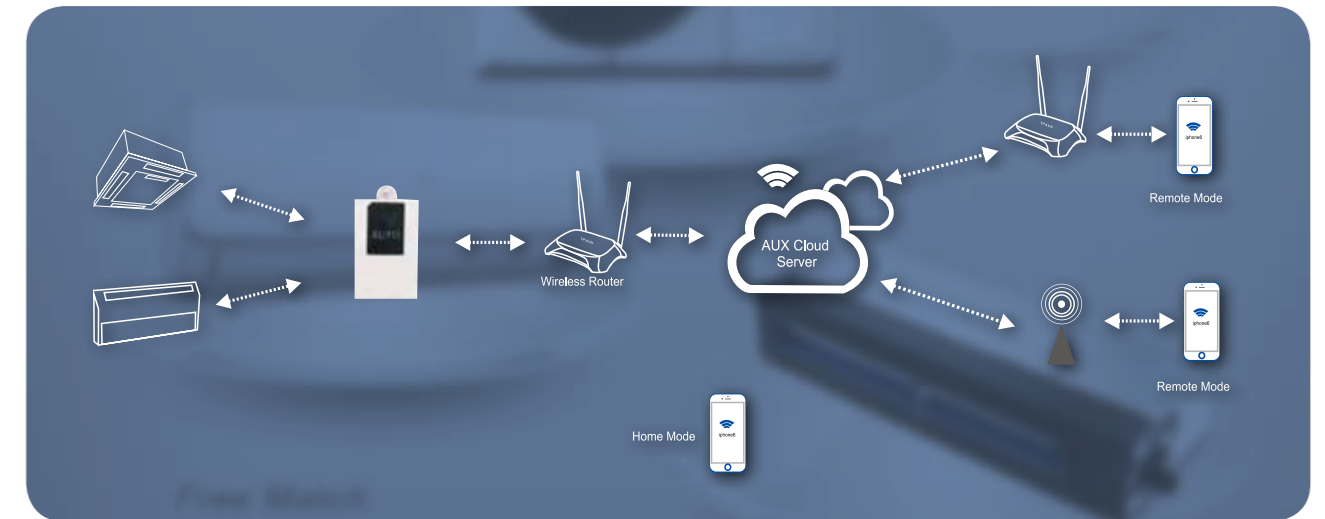
▼ **Features**

1. AUX air conditioner can connect to intelligent terminal through WIFI or GPRS network,customers can enjoy fun and convenience of remote to control the AC via iphone, ipad and other mobile terminals(Android and IOS) at anytime and anywhere.

2. The function of software on Mobile terminal includes mode control,temperature control, swing control, timing control.

3. Customers can set schedule to plan their day, also the scene mode can be set conveniently.

AUX