



AUX

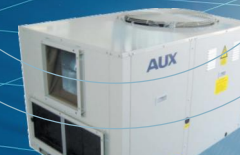
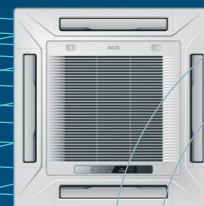
Tropical Light Commercial Air Conditioner 2014

Technology leads Intelligent life

AUX

Commercial Air Conditioner (AUX SAC) Light Commercial Tropical

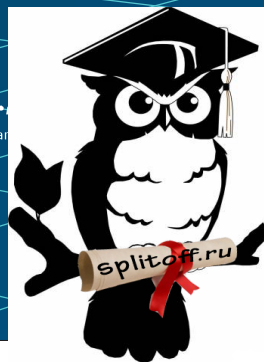
Version No.: 2014/04



AUX

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Большая библиотека технической документации
<http://splitoff.ru/tehn-doc.html>
каталоги, инструкции, сервисные мануалы, схемы.



Established in 1986, as one of the top 500 Chinese enterprises , AUX Group is a diversified conglomerate, which covers 6 industries, including Intelligent Power Equipment, Home Appliance, Mobile Intelligent Terminal, Real Estate, Medical Service and Investment.

In 2012, With a total asset of 20 billion RMB, Aux has more than 20000 employees, the turnover of 40.5 billion RMB and the brand value of about 8 billion RMB. AUX owns 7 manufacturing bases, including Ningbo, Nanchang, Tianjin, Shanghai, Shenzhen, Dongguan and Cicheng, as well as a listed company with five high-tech enterprises, acting as a unit of National Enterprise Technology Center and permanent National Post-doctoral Workstation.

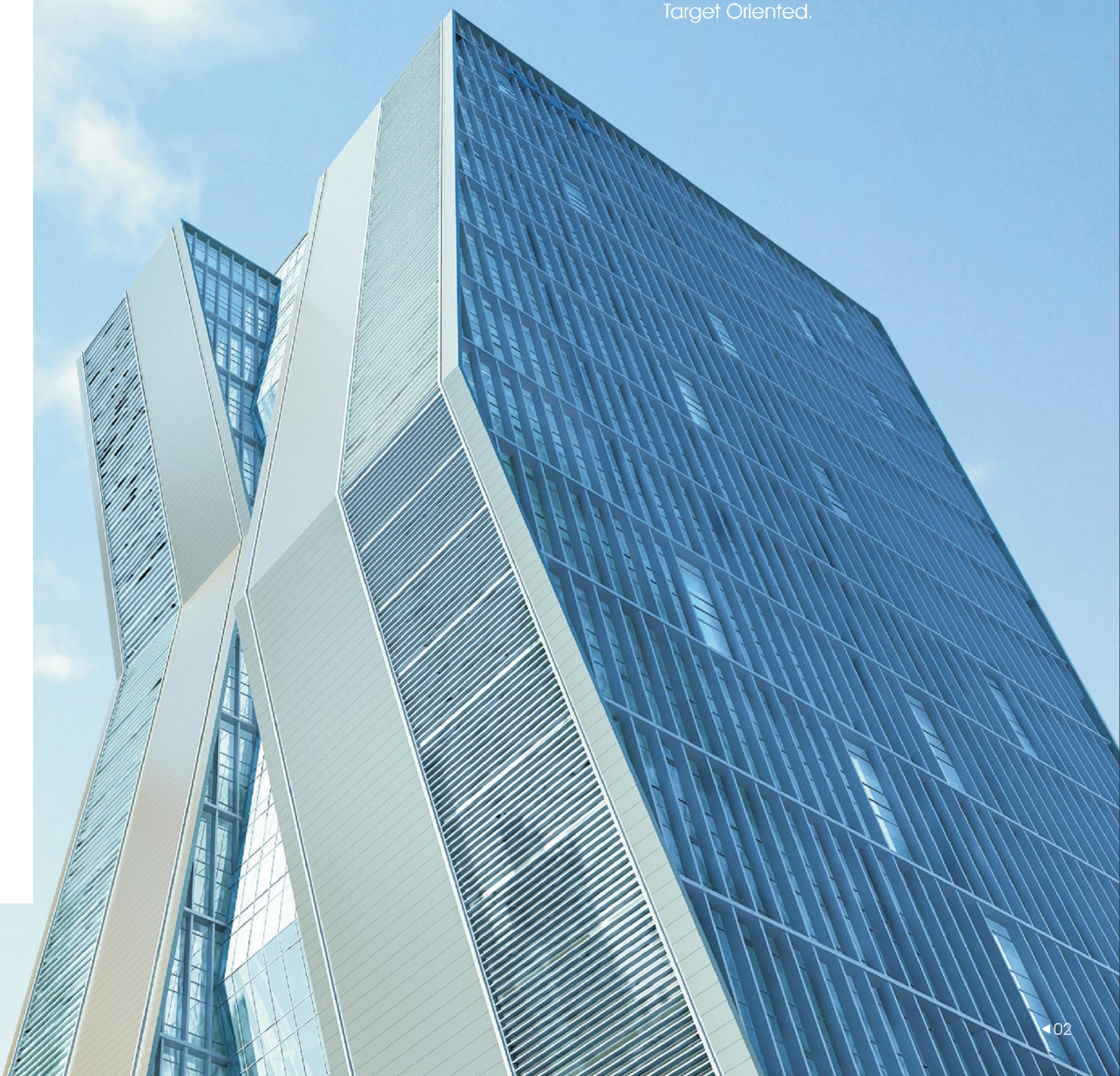
AUX has many brands and trademarks such as AUX, Sanxing, BFB, LN etc., among which Sanxing Electric, AUX Air-conditioning, Aux Plaza are nationally renowned brands.

Taking "Create an intelligent life, foster a prominent career environment" as its new mission and adhering to the WIN strategy of "A Steady Development Wins a Harmonious Future", AUX aspires to be a world famous enterprise In the new era. Aiming at a sales income of 80 billion RMB in 2015 , AUX is striving to become one of the top 100 Chinese enterprises.



Corporate values

Accuracy, Efficiency, Simplicity
To Be Concentrated
Target Oriented.



Features



Wide Operating Temperature Range
The Max. Ambient temperature for units running is 55°C



Sleep Mode
Users can select sleep mode after pressing time off button. This function will adjust temperature automatically, which makes a comfortable sleep environment.



24-hour Timer
Users can set on the timer to turn on or off the machine any time in 24 hours, they can also turn on or off the machine by pressing the timing button on wireless remote controller.



Auto Restart
If the machine is suddenly shut down during operation, the unit will record the operating mode, and restore to it when the power is on.



Fresh Air Intake
Intake fresh air outside to improve room air quality.



Washable Filter
Durable filter can stand much longer before cleaning.



Anti-Cold-Air (Heat Pump Only)
When starting the heating operation, the fan speed is regulated automatically from the lowest grade to the preset level, according to the temperature rising of evaporator. This function can prevent cold air blowing out at the beginning of the operation, which avoids the discomfort to the user.



Self-diagnosis Function
Monitoring some abnormal operations or parts failures, which happens microcomputer of the air conditioner will switch off and protect the system automatically. Meanwhile, the error or protection code will be displayed on the indoor unit.



Low Ambient Cooling
The air conditioner with a special built-in low ambient cooling can be used in temp as low as -15°C for cooling operation.



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.



Remote Control
Help users to control the air conditioner easily.



Wired Controller
Help users to control the air conditioner easily.



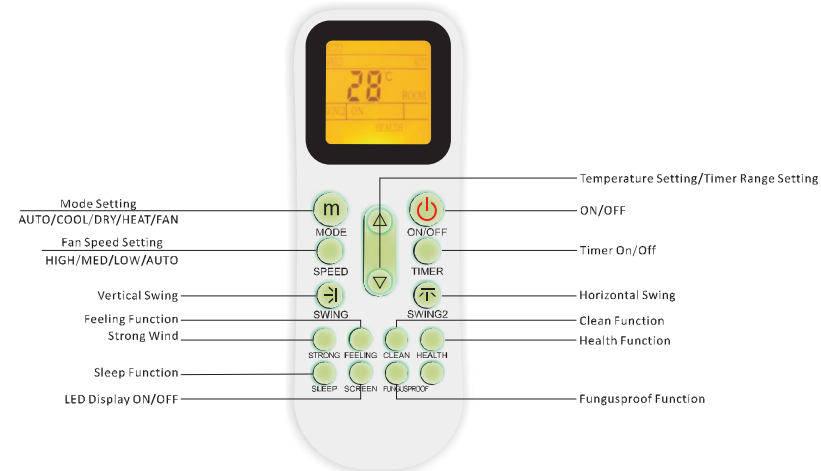
Anti-sand Fin
The outdoor heat exchanger adopt flat fins which can effectively reduce the gathering dust.



Golden Hydrophilic Aluminum Fin
With the anti-corrosive golden hydrophilic epoxy coating, the fin inoxidability is 10 times better than normal one.

Controllers

Remote Controller

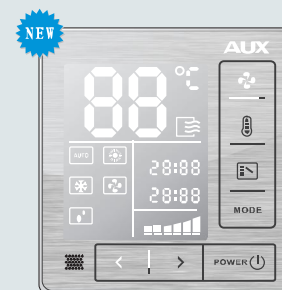


YK-K

Wired Controller

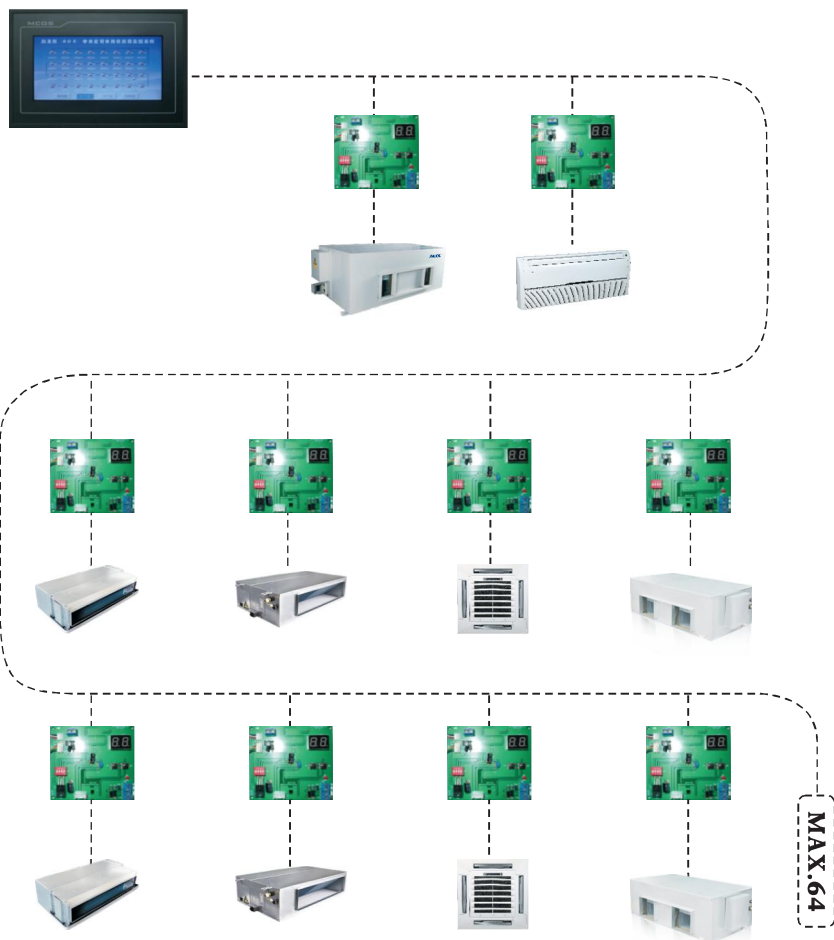


XK-02



XK-05

Central Control of Light Commercial



Super Uno

Btu/h	Pics	18K	24K	30K	36K	48K	60K	
Mid ESP Duct (50Hz)		★	★	★	★	★	★	10-13
Mid ESP Duct (60Hz)					★	★	★	
Low ESP Duct (50Hz)		★	★					14-16
Low ESP Duct (60Hz)		★	★					
Four-way Cassette (50Hz)		★	★	★	★	★		17-19

Rooftop Packaged Units

TR	Pics	5	7.5	10	12.5	15	20	
50Hz		★	★	★	★	★	★	20-24
60Hz		★	★	★	★	★	★	

Commercial High ESP Duct

Btu/h	Pics	90K	110K	150K	185K	220K	
High ESP Duct		★	★	★	★	★	25-26

Commercial Floor Standing

Btu/h	Pics	100K					
Large Floor Standing				★			27-28

Nomenclature

Indoor Unit:

A L T CA - H 24 / 4 A

Design Series Code

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

Cooling Capacity (kBtu/h)

H: Cooling & Heating C: Cooling Only

Indoor Unit Type:
 CA: Four-way Cassette CF: Ceiling&Floor
 LD: Low ESP Duct MD: Mid ESP Duct

Climate Class:
 T: T3 Type T1 Omitted

Light Commercial AC
 AUX

Outdoor Unit:

A L T - H 24 / 4 A U

Outdoor Unit Type:
 U: Universal Outdoor Unit

Design Series Code

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

Cooling Capacity (24,000Btu/h)

H: Cooling & Heating C: Cooling Only

Climate Class:
 T: T3 Type T1 Omitted

Light Commercial AC
 AUX

Super Uno Universal Outdoor Units



Model	Outdoor		ALT-C18/4(U)	ALT-H18/4(U)	ALT-C24/4(U)	ALT-H24/4(U)	ALT-C30/4(U)	ALT-H30/4(U)
Capacity	Cooling	Btu/h	18000	18000	24000	24000	30000	30000
		RT	1.5	1.5	2.0	2.0	2.5	2.5
	kW	5.3	5.3	7.1	7.1	8.8	8.8	
Heating	Btu/h	/	19100	/	27000	/	31500	
	RT	/	1.6	/	2.2	/	2.6	
	kW	/	5.6	/	7.9	/	9.3	
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	220~240,50,1
	Air Flow Volume	m ³ /h	2600	2600	2790	2790	3190	3190
Performance	CFM		1530	1530	1640	1640	1880	1880
	Noise Level	dB(A)	55	55	60	60	60	60
Dimension(WxDxH)	Net	mm	800x300x590	800x300x590	800x300x690	800x300x690	900x320x790	900x320x790
	Packing	mm	930x410x660	930x410x660	930x410x760	930x410x760	1030x430x850	1030x430x850
Weight	Net	kg	43	45	54	56	62	64
	Gross	kg	47	49	58	60	67	69
Piping	Liquid	mm	6.35	6.35	9.52	9.52	9.52	9.52
	Gas	mm	12.7	12.7	15.88	15.88	15.88	15.88
	Max. Length	m	40	40	40	40	50	50
	Max. Height	m	15	15	15	15	25	25
Stuffing Quantity	20/40/40H	unit	102/204/272	102/204/272	102/204/204	102/204/204	58/120/180	58/120/180

Model	Outdoor		ALT-C36/4(U)	ALT-H36/4(U)	ALT-C48/5(U)	ALT-H48/5(U)	ALT-C60/5(U)	ALT-H60/5(U)
Capacity	Cooling	Btu/h	36000	36000	48000	48000	55000	55000
		RT	3.0	3.0	4.0	4.0	4.6	4.6
	kW	10.6	10.6	14.1	14.1	16.1	16.1	
Heating	Btu/h	/	37500	/	51200	/	60000	
	RT	/	3.1	/	4.3	/	5.1	
	kW	/	11.0	/	15.0	/	17.6	
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3
	Air Flow Volume	m ³ /h	3190	3190	5200	5200	5200	5200
Performance	CFM		1880	1880	3060	3060	3060	3060
	Noise Level	dB(A)	60	60	62	62	62	62
Dimension(WxDxH)	Net	mm	903x354x857	903x354x857	945x340x1255	945x340x1255	945x340x1255	945x340x1255
	Packing	mm	1030x410x980	1030x410x980	1090x430x1370	1090x430x1370	1090x430x1370	1090x430x1370
Weight	Net	kg	84	86	95	97	103	105
	Gross	kg	92	94	108	110	117	119
Piping	Liquid	mm	9.52	9.52	9.52	9.52	9.52	9.52
	Gas	mm	15.88	15.88	19.05	19.05	19.05	19.05
	Max. Length	m	50	50	50	50	50	50
	Max. Height	m	25	25	30	30	30	30
Stuffing Quantity	20/40/40H	unit	60/124/124	60/124/124	26/54/54	26/54/54	26/54/54	26/54/54

Remark:
 1.The above designs and specifications are subject to change of product improvement without prior notice.
 2.Cooling Capacity and Cooling Input Power :Indoor Temperature 26.7°C/DB/19.4°C/WB;Ambient Temperature 35°C/DB/24°C/WB.
 3.Heating Capacity and Heating Input Power :Indoor Temperature 20°C/DB;Ambient Temperature 7°C/DB/6°C/WB.
 4.The Max.Ambient temperature for units running is 55 °C.



Model	Outdoor		ALT-C18/2A(U)	ALT-C24/2A(U)	ALT-C36/2A(U)	ALT-C48/6A(U)	AL-C60/6A(U)
Capacity	Cooling	Btu/h	18150	23950	34500	45000	54600
		RT	1.5	2.0	2.9	3.8	4.6
		kW	5.3	7.0	10.1	13.2	16.0
Electric Data	Power Supply	V~,Hz,Ph	230,60,1	230,60,1	230,60,1	400,60,3	400,60,3
Performance	Air Flow Volume	m ³ /h	2600	2790	3190	6400	6400
		CFM	1530	1640	1880	3770	3770
	Noise Level	dB(A)	55	60	60	56	56
Dimension(WxDxH)	Net	mm	800x300x590	900x320x790	903x354x857	940x368x1366	940x368x1366
	Packing	mm	930x410x660	1030x430x850	1030x410x980	1080x460x1500	1080x460x1500
Weight	Net	kg	41	55	86	103	110
	Gross	kg	45	61	94	111	118
Piping	Liquid	mm	6.35	9.52	9.52	9.52	9.52
	Gas	mm	12.7	15.88	15.88	19.05	19.05
	Max. Length	m	40	40	50	50	50
	Max. Height	m	15	15	25	30	30
Stuffing Quantity	20/40/40H	unit	102/204/272	58/120/180	60/124/124	25/50/50	25/50/50

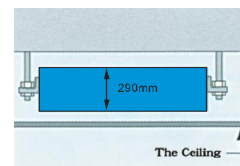
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 3.Heating Capacity and Heating Input Power :Indoor Temperature 20°C DB; Ambient Temperature 7°C DB/6°C WB.
 4.The Max. Ambient temperature for units running is 55 °C.
 5.Cooling&Heating Capacity is complied with SASO Certificate.

Super Uno Mid ESP Duct



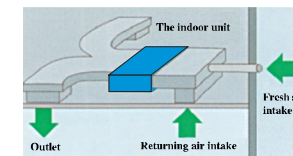
1.Ultra slim design

- * Thinner. Lighter.



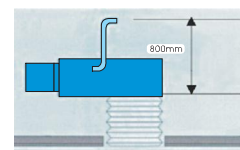
2.Fresh air intake

- * Reversed fresh air intake hole , it's convenient to connect with air duct.



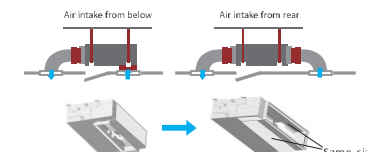
3.Built-in water drainage pump (Optional)

- * The built-in pump can lift condensing water up to 800mm high from the drainage pan.



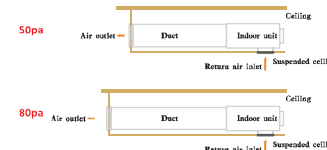
4.Flexible air intake options

- * Air intake from rear as standard, from bottom as 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 requirement



5.ESP adjustable, more comfortable

- * Unit has two adjustable ESP :50Pa and 80Pa, users can free to choose based on the need of requirement.



6.Standard accessories

- * For all models, return air bellow and air filter are standard.

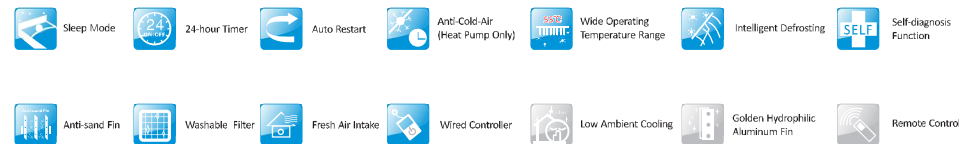




Features: ■ Standed ■ Optional

50Hz								
Model	Indoor		ALTMD-C18/4	ALTMD-H18/4	ALTMD-C24/4	ALTMD-H24/4	ALTMD-C30/4	ALTMD-H30/4
	Outdoor		ALT-C18/4(U)	ALT-H18/4(U)	ALT-C24/4(U)	ALT-H24/4(U)	ALT-C30/4(U)	ALT-H30/4(U)
Capacity	Cooling Capacity	Btu/h	18000	18000	24000	24000	30000	30000
		RT	1.5	1.5	2.0	2.0	2.5	2.5
		kW	5.3	5.3	7.1	7.1	8.8	8.8
	Heating Capacity	Btu/h	/	19100	/	27000	/	31700
		RT	/	1.6	/	2.2	/	2.6
		kW	/	5.6	/	7.9	/	9.3
Electric Data	Power Supply	V~HzPh	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling Power Input	kW	1.85	1.85	2.56	2.56	3.15	3.15
	Heating Power Input	kW	/	1.70	/	2.48	/	3.00
	Cooling Current	A	8.60	8.60	12.43	12.43	14.80	14.80
	Heating Current	A	/	8.05	/	11.80	/	14.10
Performance	EER	W/W	2.86	2.86	2.71	2.71	2.79	2.79
		(Btu/h)/W	9.73	9.73	9.38	9.38	9.52	9.52
	COP	W/W	/	3.29	/	3.19	/	3.10
		(Btu/h)/W	/	11.24	/	10.89	/	10.57
	Air Flow Volume (Hi/Mid/Low)	m ³ /h	950/760/665	950/760/665	1200/960/840	1200/960/840	1500/1200/1050	1500/1200/1050
		CFM	559/447/391	559/447/391	706/565/494	706/565/494	882/706/618	882/706/618
Noise Level(Hi/Mid/Low)	dB(A)	44/41/35	44/41/35	47/44/38	47/44/38	50/47/41	50/47/41	
External Static Pressure(ESP)	Pa	50/80	50/80	50/80	50/80	50/80	50/80	
Dimension(WxDxH)	Net	mm	890x785x290	890x785x290	890x785x290	890x785x290	890x785x290	890x785x290
	Packing	mm	1100x870x360	1100x870x360	1100x870x360	1100x870x360	1100x870x360	1100x870x360
Weight	Net	kg	34	34	36	36	36	36
	Gross	kg	40	40	42	42	42	42
Piping	Liquid	mm	6.35	6.35	9.52	9.52	9.52	9.52
	Gas	mm	12.7	12.7	15.88	15.88	15.88	15.88
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Applicable Area	m ²	21-35	21-35	28-47	28-47	36-60	36-60	
Stuffing Quantity	20/40/40H	set	42/90/111	42/90/111	42/90/108	42/90/108	36/72/87	36/72/87

Remark:
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 2.Cooling Capacity and Cooling Input Power: Indoor Temperature 26.7°C/DB/19.4°C/Wb/Ambient Temperature 35°C/DB/24°C/Wb.
 3.Heating Capacity and Heating Input Power: Indoor Temperature 20°C/DB/Ambient Temperature 7°C/DB/6°C/Wb.
 4.The Max Ambient temperature for units running is 55 °C.



Features: ■ Standed ■ Optional

50Hz								
Model	Indoor		ALTMD-C36/4	ALTMD-H36/4	ALTMD-C48/5	ALTMD-H48/5	ALTMD-C60/5	ALTMD-H60/5
	Outdoor		ALT-C36/4(U)	ALT-H36/4(U)	ALT-C48/5(U)	ALT-H48/5(U)	ALT-C60/5(U)	ALT-H60/5(U)
Capacity	Cooling Capacity	Btu/h	36000	36000	48000	48000	55000	55000
		RT	3.0	3.0	4.0	4.0	4.6	4.6
		kW	10.6	10.6	14.1	14.1	16.1	16.1
	Heating Capacity	Btu/h	/	37500	/	51200	/	60000
		RT	/	3.1	/	4.3	/	5.1
		kW	/	11.0	/	15.0	/	17.6
Electric Data	Power Supply	V~HzPh	220~240,50,1	220~240,50,1	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3
	Cooling Power Input	kW	3.52	3.52	5.21	5.21	5.93	5.93
	Heating Power Input	kW	/	3.45	/	5.19	/	6.20
	Cooling Current	A	17.00	17.00	10.00	10.00	11.29	11.29
	Heating Current	A	/	16.50	/	9.80	/	11.80
Performance	EER	W/W	3.01	3.01	2.71	2.71	2.72	2.72
		(Btu/h)/W	10.23	10.23	9.21	9.21	9.27	9.27
	COP	W/W	/	3.19	/	2.89	/	2.84
		(Btu/h)/W	/	10.87	/	9.87	/	9.68
	Air Flow Volume (Hi/Mid/Low)	m ³ /h	1700/1360/1190	1700/1360/1190	2400/1920/1680	2400/1920/1680	2700/2160/1890	2700/2160/1890
		CFM	1000/800/700	1000/800/700	1412/1130/988	1412/1130/988	1588/1270/1112	1588/1270/1112
Noise Level(Hi/Mid/Low)	dB(A)	50/47/41	50/47/41	53/50/44	53/50/44	53/50/44	53/50/44	
External Static Pressure(ESP)	Pa	50/80	50/80	50/80	50/80	50/80	50/80	
Dimension(WxDxH)	Net	mm	890x785x290	890x785x290	1250x785x290	1250x785x290	1250x785x290	1250x785x290
	Packing	mm	1100x870x360	1100x870x360	1460x870x360	1460x870x360	1460x870x360	1460x870x360
Weight	Net	kg	36	36	52	52	52	52
	Gross	kg	42	42	59	59	59	59
Piping	Liquid	mm	9.52	9.52	9.52	9.52	9.52	9.52
	Gas	mm	15.88	15.88	19.05	19.05	19.05	19.05
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Applicable Area	m ²	42-70	42-70	56-93	56-93	64-107	64-107	
Stuffing Quantity	20/40/40H	set	36/72/84	36/72/84	25/50/54	25/50/54	25/50/54	25/50/54

Remark:
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 3.Heating Capacity and Heating Input Power: Indoor Temperature 20°C/DB/Ambient Temperature 7°C/DB/6°C/Wb.
 4.The Max Ambient temperature for units running is 55 °C.



Features: ■ Standed ■ Optional

60Hz			ALTM-D-C36/2A	ALTM-D-C48/6A	ALTM-D-C60/6A
Model	Indoor				
	Outdoor		ALT-C36/2A(U)	ALT-C48/6A(U)	ALT-C60/6A(U)
Capacity	Cooling	Btu/h	34500	45000	54600
		RT	2.9	3.8	4.6
		kW	10.1	13.2	16.0
Electric Data	Power Supply	V~,Hz,Ph	230,60,1	400,60,3	400,60,3
	Cooling Power Input	kW	3.62	4.55	5.55
	Cooling Current	A	15.88	7.25	8.43
Performance	EER	(Btu/h)/W	9.53	9.89	9.84
		W/W	2.79	2.90	2.88
	Air Flow Volume(Hi/Mid/Low)	m ³ /h	1700/1360/1190	2500/2000/1750	2800/2240/1960
		CFM	1000/800/700	1470/1176/1030	1647/1318/1153
	Noise Level(Hi/Mid/Low)	dB(A)	50/47/41	50/47/41	50/47/41
External Static Pressure(ESP)	Pa	50	80	80	
Dimension(WxDxH)	Net	mm	890x785x290	1250x785x290	1250x785x320
	Packing	mm	1100x870x360	1460x870x360	1460x870x390
Weight	Net	kg	36	52	55
	Gross	kg	42	59	62
Piping	Liquid	mm	9.52	9.52	9.52
	Gas	mm	15.88	19.05	19.05
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Applicable Area		m ²	42-70	56-93	64-107
Stuffing Quantity	20/40/40H	set	36/72/84	21/45/50	21/45/50

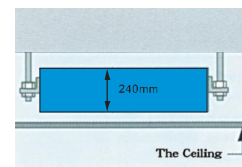
Remark:
 1.The above designs and specifications are subject to change of product improvement without prior notice.
 2.Cooling Capacity and Cooling Input Power :Indoor Temperature 26.7°C DB/19.4°C WB; Ambient Temperature 35°C DB/24°C WB.
 3.Heating Capacity and Heating Input Power :Indoor Temperature 20°C DB; Ambient Temperature 7°C DB/6°C WB.
 4.The Max.Ambient temperature for units ranging is 55 °C.
 5.Cooling&Heating Capacity is complied with SASO Certificate.

Super Uno Low ESP Duct



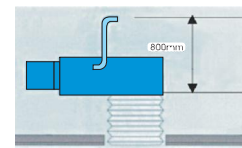
1.Ultra slim design

★ Thinner, lighter and save much more space.



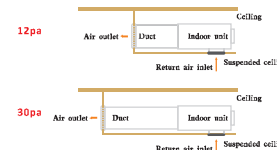
3.Built-in water drainage pump (Optional)

★ The built-in pump can lift condensing water up to 800mm high from the drainage pan.



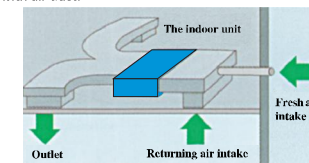
5.ESP Adjustable, more comfortable

★ Unit has two adjustable ESP :12Pa and 30Pa, users can free to choose based on the need of requirement.



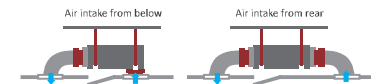
2.Fresh air intake

★ Reversed fresh air intake hole , it's convenient to connect with air duct.



4.Flexible air intake options

★ Air intake from rear as standard, from bottom as 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 requirement



6.Standard accessories

★ For all models, return air below and air filter are standard.





Features: ■ Standed ■ Optional

50Hz			ALTLD-C18/4	ALTLD-H18/4	ALTLD-C24/4	ALTLD-H24/4
Model	Indoor		ALTLD-C18/4	ALTLD-H18/4	ALTLD-C24/4	ALTLD-H24/4
	Outdoor		ALT-C18/4(U)	ALT-H18/4(U)	ALT-C24/4(U)	ALT-H24/4(U)
Capacity	Cooling Capacity	Btu/h	18000	18000	24000	24000
		RT	1.5	1.5	2.0	2.0
		kW	5.3	5.3	7.1	7.1
	Heating Capacity	Btu/h	/	19100	/	27000
		RT	/	1.6	/	2.2
		kW	/	5.6	/	7.9
Electric Data	Power Supply	V~;Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Cooling Power Input	kW	1.85	1.85	2.56	2.56
	Heating Power Input	kW	/	1.70	/	2.48
	Cooling Current	A	8.60	8.60	12.43	12.43
	Heating Current	A	/	8.05	/	11.80
Performance	EER	W/W	2.86	2.86	2.77	2.77
		(Btu/h)/W	9.73	9.73	9.38	9.38
	COP	W/W	/	3.29	/	3.19
		(Btu/h)/W	/	11.24	/	10.89
	Air Flow Volume (Hi/Mid/Low)	m³/h	860/688/602	860/688/602	1200/960/840	1200/960/840
		CFM	506/405/354	506/405/354	706/565/494	706/565/494
	Noise Level(Hi/Mid/Low)	dB(A)	42/39/33	42/39/33	45/42/36	45/42/36
External Static Pressure(ESP)	Pa	12/30	12/30	12/30	12/30	
Dimension(WxDxH)	Net	mm	1110x547x240	1110x547x240	1305x547x240	1305x547x240
	Packing	mm	1210x620x280	1210x620x280	1400x620x280	1400x620x280
Weight	Net	kg	30	30	34.5	34.5
	Gross	kg	34	34	39.5	39.5
Piping	Liquid	mm	6.35	6.35	9.52	9.52
	Gas	mm	12.7	12.7	15.88	15.88
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Applicable Area		m²	21-35	21-35	28-47	28-47
Stuffing Quantity	20/40/40H	set	55/122/144	55/122/144	52/112/123	52/112/123

Remark:
 1.The above designs and specifications are subject to change of product improvement without prior notice.
 2.Cooling Capacity and Cooling Input Power :Indoor Temperature 26.7°C DB/19.4°C WB; Ambient Temperature 35°C DB/24°C WB.
 3.Heating Capacity and Heating Input Power :Indoor Temperature 20°C DB; Ambient Temperature 7°C DB/6°C WB.
 4.The Max.Ambient temperature for units running is 35 °C.



Features: ■ Standed ■ Optional

60Hz			ALTLD-C18/2A	ALTLD-C24/2A
Model	Indoor		ALTLD-C18/2A	ALTLD-C24/2A
	Outdoor		ALT-C18/2A(U)	ALT-C24/2A(U)
Capacity	Cooling	Btu/h	18150	23950
		RT	1.5	2.0
		kW	5.3	7.0
Electric Data	Power Supply	V~;Hz,Ph	230,60,1	230,60,1
	Cooling Power Input	kW	1.84	2.31
	Cooling Current	A	8.10	10.35
Performance	EER	(Btu/h)/W	9.86	10.37
		W/W	2.89	3.05
	Air Flow Volume(Hi/Mid/Low)	m³/h	900/720/630	1200/960/840
		CFM	529/424/371	706/565/494
	Noise Level(Hi/Mid/Low)	dB(A)	42/39/33	45/42/36
External Static Pressure(ESP)	Pa	30	50	
Dimension(WxDxH)	Net	mm	1110x547x240	1305x547x240
	Packing	mm	1210x620x280	1400x620x280
Weight	Net	kg	23	27
	Gross	kg	27	32
Piping	Liquid	mm	6.35	9.52
	Gas	mm	12.7	15.88
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)
Applicable Area		m²	21-35	28-47
Stuffing Quantity	20/40/40H	set	55/122/144	42/91/99

Remark:
 1.The above designs and specifications are subject to change of product improvement without prior notice.
 2.Cooling Capacity and Cooling Input Power :Indoor Temperature 26.7°C DB/19.4°C WB; Ambient Temperature 35°C DB/24°C WB.
 3.Heating Capacity and Heating Input Power :Indoor Temperature 20°C DB; Ambient Temperature 7°C DB/6°C WB.
 4.The Max.Ambient temperature for units running is 35 °C.
 5.Cooling&Heating Capacity is complied with SASO Certificate.

Super Uno Four-way Cassette



Standard

Optional

1.High efficient energy saving

- ★ Excellent system design, selection of the core components, the perfect combination of technology and technological innovation. Innovative 3D spiral wind leaf, reduced
- ★ the air power's consumption and noise, making the supply air more quiet and smoothly



3D spiral wind leaf

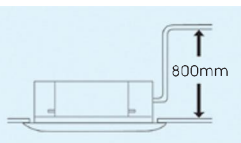
2.6-segment heating exchanger design

- ★ Compact structure.
- ★ Innovative exchanger design enlarges the heat exchanging area.
- ★ Heat exchanging efficiency increased by 10% to 15%.



3.Built-in water drainage pump

- ★ The built-in pump can lift condensing water up to 800mm high from the drainage pan.



4.Fresh air intake

- ★ Fresh air makes indoor air quality healthy and comfortable.



5.Duct connection

- ★ Air duct can be connected from the 4 sides to nearby rooms.



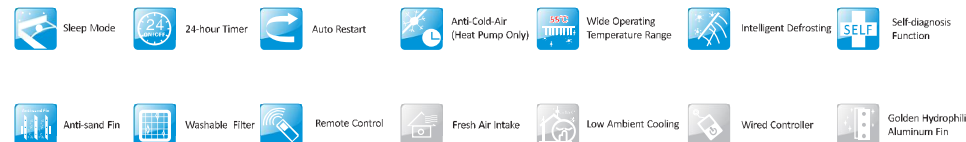
6.Digital tube display

- ★ Digital tube displays all contents :indoor temperature, set temperature, the mode of operation,etc.
- ★ Clearly to check the running status more convenient for troubleshooting.
- ★ Four step motors
- ★ Each guide the wind blade is controlled by an independent of step motor driver, which made guide blades swing flexible.



7.Decoration panel

- ★ Decoration panel has been treated with dirt-repellant coating.



Features: ■ Standed ■ Optional

50Hz			ALTCA-C18/4	ALTCA-H18/4	ALTCA-C24/4	ALTCA-H24/4	ALTCA-C30/4
Model	Indoor	Outdoor	ALT-C18/4(U)	ALT-H18/4(U)	ALT-C24/4(U)	ALT-H24/4(U)	ALT-C30/4(U)
Capacity	Cooling Capacity	Btu/h	18000	18000	24000	24000	30000
		RT	1.5	1.5	2.0	2.0	2.5
		kW	5.3	5.3	7.1	7.1	8.8
	Heating Capacity	Btu/h	/	19100	/	27000	/
		RT	/	1.6	/	2.2	/
		kW	/	5.6	/	7.9	/
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 Power Input	kW	1.85	1.85	2.56	2.56	3.15
	Heating Power Input	kW	/	1.70	/	2.48	/
	Cooling Current	A	8.60	8.60	12.43	12.43	14.80
	Heating Current	A	/	8.05	/	11.80	/
Performance	EER	W/W	2.86	2.86	2.77	2.77	2.79
		(Btu/h)/W	9.73	9.73	9.38	9.38	9.52
	COP	W/W	/	3.29	/	3.19	/
		(Btu/h)/W	/	11.24	/	10.89	/
	AirFlowVolume(Hi/Mid/Low)	m ³ /h	850/680/595	850/680/595	1100/880/770	1100/880/770	1500/1200/1050
	CFM	500/400/350	500/400/350	647/518/453	647/518/453	882/706/618	
	Noise Level(Hi/Mid/Low)	dB(A)	41/38/32	41/38/32	45/42/34	45/42/34	48/45/39
Dimension(WxDxH)	Net(Body)	mm	615x615x263	615x615x263	835x835x240	835x835x240	835x835x240
	Packing(Body)	mm	700x700x263	700x700x263	910x910x320	910x910x320	910x910x320
	Net(Panel)	mm	650x650x55	650x650x55	950x950x55	950x950x55	950x950x55
	Packing(Panel)	mm	710x710x80	710x710x80	1000x1000x100	1000x1000x100	1000x1000x100
Weight	Net(Body)	kg	18	18	24	24	24
	Packing(Body)	kg	22	22	27.5	27.5	27.5
	Net(Panel)	kg	3	3	5	5	5
	Gross(Panel)	kg	5	5	7	7	7
Piping	Liquid	mm	6.35	6.35	9.52	9.52	9.52
	Gas	mm	12.7	12.7	15.88	15.88	15.88
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Applicable Area	m ²	21-35	21-35	28-47	28-47	36-60	
Stuffing Quantity	20/40/40H	set	57/120/144	57/120/144	37/76/96	37/76/96	36/71/90

Remark:
 1.The above designs and specifications are subject to change of product improvement without prior notice.
 2.Cooling Capacity and Cooling Input Power :Indoor Temperature 26.7℃ DB/19.4℃ WB;Ambient Temperature 35℃ DB/24℃ WB.
 3.Heating Capacity and Heating Input Power :Indoor Temperature 20℃ DB;Ambient Temperature 7℃ DB/6℃ WB.
 4.The Max.Ambient temperature for units running is 55℃.



Features: ■ Standed ■ Optional

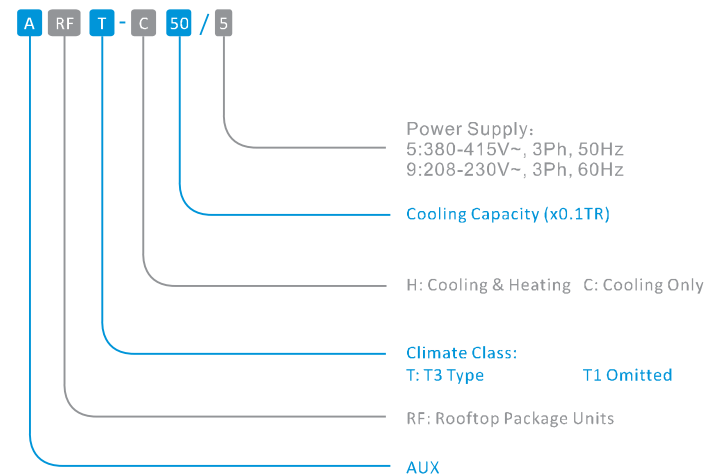
50Hz			ALTCA-H30/4	ALTCA-C36/4	ALTCA-H36/4	ALTCA-C48/5	ALTCA-H48/5
Model	Indoor	Outdoor	ALT-H30/4(U)	ALT-C36/4(U)	ALT-H36/4(U)	ALT-C48/5(U)	ALT-H48/5(U)
Capacity	Cooling Capacity	Btu/h	30000	36000	36000	48000	48000
		RT	2.5	3.0	3.0	4.0	4.0
		kW	8.8	10.6	10.6	14.1	14.1
	Heating Capacity	Btu/h	31700	/	37500	/	51200
		RT	2.6	/	3.1	/	4.3
		kW	9.3	/	11.0	/	15.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	380~415,50,3	380~415,50,3
	Cooling Power Input	kW	3.15	3.52	3.52	5.21	5.21
	Heating Power Input	kW	3.00	/	3.45	/	5.19
	Cooling Current	A	14.80	17.00	17.00	10.00	10.00
	Heating Current	A	14.10	/	16.50	/	9.80
Performance	EER	W/W	2.79	3.01	3.01	2.71	2.71
		(Btu/h)/W	9.52	10.23	10.23	9.21	9.21
	COP	W/W	3.10	/	3.19	/	2.89
		(Btu/h)/W	10.57	/	10.87	/	9.87
	Air Flow Volume(Hi/Mid/Low)	m³/h	1500/1200/1050	1700/1360/1190	1700/1360/1190	2400/1920/1680	2400/1920/1680
	CFM	882/706/618	1000/800/700	1000/800/700	1412/1129/988	1412/1129/988	
	Noise Level(Hi/Mid/Low)	dB(A)	48/45/39	48/45/39	48/45/39	50/47/41	50/47/41
Dimension(WxDxH)	Net(Body)	mm	835x835x240	835x835x240	835x835x240	835x835x280	835x835x280
	Packing(Body)	mm	910x910x320	910x910x320	910x910x320	910x910x360	910x910x360
	Net(Panel)	mm	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100
Weight	Net(Body)	kg	24	24	24	26.5	26.5
	Packing(Body)	kg	27.5	27.5	27.5	30.5	30.5
	Net(Panel)	kg	5	5	5	5	5
	Gross(Panel)	kg	7	7	7	7	7
Piping	Liquid	mm	9.52	9.52	9.52	9.52	9.52
	Gas	mm	15.88	15.88	15.88	19.05	19.05
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Applicable Area	m²		36-60	42-70	42-70	56-93	56-93
Stuffing Quantity	20/40/40H	set	36/71/90	36/70/76	36/70/76	26/54/54	26/54/54

Remark:
 1.The above designs and specifications are subject to change of product improvement without prior notice.
 2.Cooling Capacity and Cooling Input Power: Indoor Temperature 26.7°C DB/19.4°C WB; Ambient Temperature 35°C DB/24°C WB.
 3.Heating Capacity and Heating Input Power: Indoor Temperature 20°C DB; Ambient Temperature 7°C DB/6°C WB.
 4.The Max.Ambient temperature for units running is 55°C.

Rooftop Packaged Units



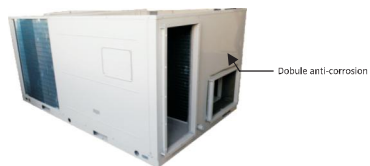
Nomenclature



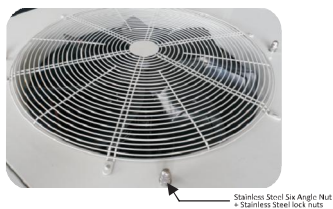
Features

1.High-efficiency double anti-corrosion technology

- ★ The sheet metal uses galvanized metal, then painted with powder. And this technology gives the sheet metal many features like: beautiful appearance, double anti-corrosion, anti-UV and anti-aging, etc.

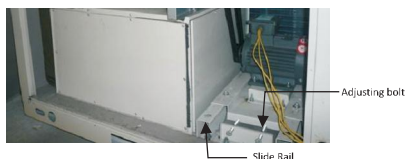


2.Double nuts locking



3. Slide rail

- ★ The motor can be moved on the Slide Rail, easy to adjust the belt tension



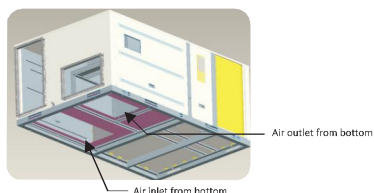
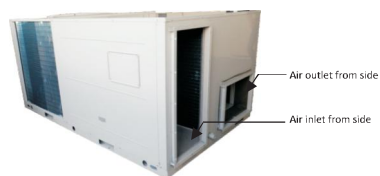
4. Belt driven blower

- ★ External static pressure and air flow can customize a wide range of non-standard



5. Flexible duct connection

- ★ Air inlet and outlet position can be optional, from side and from bottom.



6.Fresh air intake function (optional).



7.Vibration-proof designed supply air duct

- ★ Soft canvas duct protect vibration of units operation transferring to indoor



8.Sand and dust sedimentation section (air inlet from side)

- ★ The large sedimentation space can quickly reduce sand and dust moving velocity



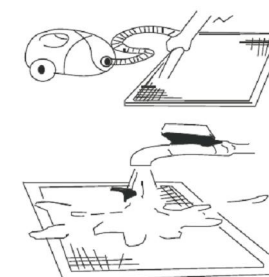
9.Multiple protection function

- ★ High efficiency and high reliable compressor.
- ★ High & Low pressure protection;
- ★ compressor current protection



10.Washable filter

- ★ Air intake filter. is washable and changeable



50Hz

Model		ARFT-C50/5	ARFT-C75/5	ARFT-C100/5	ARFT-C125/5	ARFT-C150/5	ARFT-C200/5	
Basic Performance	Cooling Capacity *	TR	5.0	7.5	10.0	12.5	15.0	20.0
		kW	17.5	26.3	35.0	43.7	52.0	70.0
	Cooling Capacity **	TR	4.4	6.4	8.5	10.8	13.3	17.5
		kW	15.5	22.5	29.5	37.6	45.9	61.4
	Cooling Input Power *	kW	6.30	9.72	12.96	16.12	19.26	25.93
		kW	7.32	10.60	14.50	18.70	21.60	29.10
	Cooling Input Power **	W/W	2.79	2.71	2.72	2.72	2.74	2.72
		W/W	2.12	2.12	2.03	2.01	2.13	2.11
	Air Flow	m ³ /h	2500	5000	6000	8000	10000	12000
		CFM	1471	2941	3529	4706	5882	7059
External Static Pressure	Pa	100	50~175	50~175	50~200	50~200	125~200	
	V~Hz,Ph	380,50,3	380,50,3	380,50,3	380,50,3	380,50,3	380,50,3	
Power Supply	V~Hz,Ph	380,50,3	380,50,3	380,50,3	380,50,3	380,50,3	380,50,3	
Compressor	Type	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	
	Quantity	1	2	2	4	4	4	
Condenser	Type	Inner groove copper pipe and hydronic aluminium fins						
	Pipe Diameter	mm	7.94	7.94	7.94	7.94	7.94	
	Coil Rows		3	2	2	2	2	
	FPI		15	17	17	17	17	
Evaporator	Type	Inner groove copper pipe and hydronic aluminium fins						
	Pipe Diameter	mm	9.52	9.52	9.52	9.52	9.52	
	Coil Rows		3	3	3	3	3	
	FPI		14	15	15	15	14	
	Draining Pipe Quantity		1	1	1	1	1	
	Draining Pipe Diameter	mm	DN25	DN25	DN25	DN25	DN25	
Condenser Fan	Type	Axial Fan	Axial Fan	Axial Fan	Axial Fan	Axial Fan	Axial Fan	
	Quantity		1	1	2	2	2	
	Diameter	mm	600	760	760	760	760	
	Driven Type		Direct Driven	Direct Driven	Direct Driven	Direct Driven	Direct Driven	
	Air Flow	m ³ /h	6500	12000	12000	24000	24000	
	Motor Quantity/Power	W	1/150	1/750	1/750	2/750	2/750	
	RPM		680	750	750	750	750	
Evaporator Fan	Type	Centrifugal Fan						
	Quantity		1	1	1	1	1	
	Diameter x Width	mm	280X300	315X405	315X405	355X450	355X450	400X507
	Driven Type		Direct Driven	Belt Driven	Belt Driven	Belt Driven	Belt Driven	
	Motor Quantity		1/550	1/1100	1/1500	1/3000	1/4000	
	RPM		951	1390	1380	1410	1420	
Filter	Type	Nylon Filter	Nylon Filter	Nylon Filter	Nylon Filter	Nylon Filter	Nylon Filter	
	Quantity		1	2	2	1	1	
Duct Connection	Air Inlet/Outlet Direction	Side	Side/Bottom	Side/Bottom	Side/Bottom	Side/Bottom	Side/Bottom	
	Side Air Inlet/Outlet Dimension	mm	250X650/200X600	340X800/506X340	340X800/506X340	370X975/540X460	370X975/540X460	570X1000/561X652
	Bottom Air Inlet/Outlet Dimension	mm	/	340X800/506X340	340X800/506X340	370X975/540X460	370X975/540X460	570X1000/561X652
Refrigerant	Refrigerant Volume	kg	2.8	2.10X2	2.65X2	4.50X2	2.40X4	2.85X4
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary	Capillary	
Dimension(WxHxD)	Net	mm	1320X860X800	2110X1300X1000	2110X1300X1000	2230X1350X1160	2230X1350X1160	2700X2180X1200
	Packing	mm	1375X910X990	2165X1350X1195	2165X1350X1195	2270X1300X1360	2270X1300X1360	2740X2200X1400
Net/Gross weight	kg	235/255	390/420	400/430	720/760	730/770	950/995	
Stuffing Quantity	Unit	20/40/40H	8/8/16	8/8/16	3/6/6	3/6/6	2/4/4	

Note:
The data are based on the following conditions:
Cooling Capacity * and Cooling Input Power * Indoor Temperature 26.7°C DB/19.4°C WB; Ambient Temperature 35°C DB.
Cooling Capacity ** and Cooling Input Power ** Indoor Temperature 26.7°C DB/19.4°C WB; Ambient Temperature 46.1°C DB.

60Hz

Model		ARFT-C50/9	ARFT-C75/9	ARFT-C100/9	ARFT-C125/9	ARFT-C150/9	ARFT-C200/9	
Basic Performance	Cooling Capacity *	TR	5.0	7.5	10.0	12.5	15.0	20.0
		kW	17.5	26.3	35.0	43.7	52.0	70.0
	Cooling Capacity **	TR	4.4	6.4	8.5	10.8	13.3	17.5
		kW	15.5	22.5	29.5	37.6	45.9	61.4
	Cooling Input Power *	kW	6.30	9.72	12.96	16.12	19.26	25.93
		kW	7.32	10.60	14.50	18.70	21.60	29.10
	Cooling Input Power **	W/W	2.79	2.71	2.72	2.72	2.74	2.72
		W/W	2.12	2.12	2.03	2.01	2.13	2.11
	Air Flow	m ³ /h	2500	5000	6000	8000	10000	12000
		CFM	1471	2941	3529	4706	5882	7059
External Static Pressure	Pa	80	50~175	50~175	50~200	50~200	125~200	
	V~Hz,Ph	208~230,60,3	208~230,60,3	208~230,60,3	208~230,60,3	208~230,60,3	208~230,60,3	
Power Supply	V~Hz,Ph	208~230,60,3	208~230,60,3	208~230,60,3	208~230,60,3	208~230,60,3	208~230,60,3	
Compressor	Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	
	Quantity		1	2	2	4	4	
Condenser	Type	Inner groove copper pipe and hydronic aluminium fins						
	Pipe Diameter	mm	7.94	7.94	7.94	7.94	7.94	
	Coil Rows		3	2	2	2	2	
	FPI		15	17	17	17	17	
Evaporator	Type	Inner groove copper pipe and hydronic aluminium fins						
	Pipe Diameter	mm	9.52	9.52	9.52	9.52	9.52	
	Coil Rows		3	3	3	3	3	
	FPI		14	15	15	15	14	
	Draining Pipe Quantity		1	1	1	1	1	
	Draining Pipe Diameter	mm	DN25	DN25	DN25	DN25	DN25	
Condenser Fan	Type	Axial Fan	Axial Fan	Axial Fan	Axial Fan	Axial Fan	Axial Fan	
	Quantity		1	1	1	2	2	
	Diameter	mm	600	760	760	760	760	
	Driven Type		Direct Driven	Direct Driven	Direct Driven	Direct Driven	Direct Driven	
	Air Flow	m ³ /h	6500	12000	12000	24000	24000	
	Motor Quantity/Power	W	1/150	1/750	1/750	2/750	2/750	
	RPM		680	750	750	750	750	
Evaporator Fan	Type	Centrifugal Fan						
	Quantity		1	1	1	1	1	
	Diameter x Width	mm	280X300	315X405	315X405	355X450	355X450	400X507
	Driven Type		Direct Driven	Belt Driven	Belt Driven	Belt Driven	Belt Driven	
	Motor Quantity		1/550	1/1100	1/1500	1/3000	1/4000	
	RPM		951	1390	1380	1410	1420	
Filter	Type	Nylon Filter	Nylon Filter	Nylon Filter	Nylon Filter	Nylon Filter	Nylon Filter	
	Quantity		1	2	2	1	1	
Duct Connection	Air Inlet/Outlet Direction	Side	Side/Bottom	Side/Bottom	Side/Bottom	Side/Bottom	Side/Bottom	
	Side Air Inlet/Outlet Dimension	mm	250X650/200X600	340X800/506X340	340X800/506X340	370X975/540X460	370X975/540X460	570X1000/561X652
	Bottom Air Inlet/Outlet Dimension	mm	/	340X800/506X340	340X800/506X340	370X975/540X460	370X975/540X460	570X1000/561X652
Refrigerant	Refrigerant Volume	kg	2.65	2.13X2	2.90X2	4.80X2	2.30X4	2.80X4
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary	Capillary	
Dimension(WxHxD)	Net	mm	1320X860X800	2110X1300X1000	2110X1300X1000	2230X1350X1160	2230X1350X1160	2700X2180X1200
	Packing	mm	1375X910X990	2165X1350X1195	2165X1350X1195	2270X1300X1360	2270X1300X1360	2740X2200X1400
Net/Gross weight	kg	235/255	390/420	400/430	720/760	730/770	950/995	
Stuffing Quantity	Unit	20/40/40H	8/8/16	8/8/16	3/6/6	3/6/6	2/4/4	

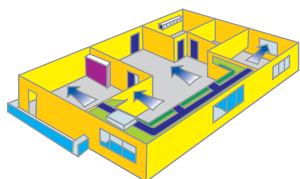
Note:
The data are based on the following conditions:
Cooling Capacity * and Cooling Input Power * Indoor Temperature 26.7°C DB/19.4°C WB; Ambient Temperature 35°C DB.
Cooling Capacity ** and Cooling Input Power ** Indoor Temperature 26.7°C DB/19.4°C WB; Ambient Temperature 46.1°C DB.

Commercial High ESP Duct



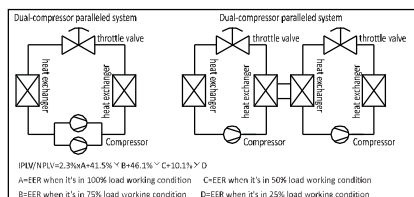
1.High ESP design, long air supply distance

- ★ High ESP design makes the longest air supply distance 50m, and the highest distance 6.5m, and the air supplied indoor is distributed well.



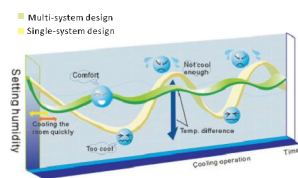
3.Design patent, parallel technology, increased IPLV

- ★ Patent throttling parts, which owns national recognized practical new patent certificate.
- ★ Dual-compressor paralleled technology, IPLV increased by 28%.
- ★ Startup with 25% load, which lowers the impact to power grid.



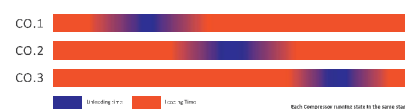
2.Multi-system design, increased EER

- ★ Independent system can achieve 0~50%~100% multi-level adjustment according to different load.
- ★ Indoor temperature large fluctuation problem existing in old design gets improved.
- ★ EER and SEER increased, which saves operation cost



4.Compressor equilibrium technology

- ★ Using micro PC to monitor operating time of each compressor in order to avoid damage caused by overlong operation, which extends the product lifetime



Model	Indoor		ALHD-C90/5A	ALHD-H90/5A	ALHD-C90/5	ALHD-H90/5	ALHD-C110/5	ALHD-H110/5
	Outdoor		AL-C90/5(HD)A	AL-H90/5(HD)A	AL-C90/5(HD)	AL-H90/5(HD)	AL-C110/5(HD)	AL-H110/5(HD)
Capacity	Cooling	Btu/h	90000	90000	90000	90000	110000	110000
		kW	25.0	25.0	25.0	25.0	32.0	32.0
	Heating	Btu/h	/	94000	/	94000	/	120000
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3
	Cooling Power Input	kW	10.20	10.20	10.20	10.20	13.06	13.06
	Heating Power Input	kW	/	9.99	/	9.25	/	12.51
	Cooling Current	A	18.70	18.70	19.50	19.50	23.96	23.96
	Heating Current	A	/	17.9	/	17.70	/	23.33
Performance	EER		2.45	2.45	2.45	2.45	2.45	2.45
	COP		/	2.75	/	2.97	/	2.81
Indoor	Net Dimension	mm	1670X870X360	1670X870X360	1755X915X645	1755X915X645	1755X915X645	1755X915X645
	Packing Dimension	mm	1830X980X420	1830X980X420	1850X940X780	1850X940X780	1850X940X780	1850X940X780
	Net Weight	kg	92	92	110	110	120	120
	Gross Weight	kg	102	102	130	130	140	140
	Air Flow Volume(Hi/Mid/Low)	m ³ /h	4080	4080	5000	5000	6000	6000
	Noise Level(Hi/Mid/Low)	dB(A)	54	54	60	60	60	60
	External Static Pressure(ESP)	Pa	80	80	150	150	120	120
	Outdoor	Net Dimension	mm	1350X600X1450	1350X600X1450	1350X600X1450	1350X600X1450	1550X600X1450
Packing Dimension		mm	1550X740X1650	1550X740X1650	1550X740X1650	1550X740X1650	1740X740X1650	1740X740X1650
Net Weight		kg	190	200	190	200	260	260
Gross Weight		kg	220	230	220	230	270	280
Noise Level		dB(A)	62	62	62	62	63	63
Piping	Liquid Side	mm	9.52X2	9.52X2	9.52X2	9.52X2	12.7X2	12.7X2
	Gas Side	mm	19.05X2	19.05X2	19.05X2	19.05X2	19.05X2	19.05X2
	Max. Length	m	50	50	50	50	50	50
	Max. Height	m	30	30	30	30	30	30
Stuffing Quantity	20/40/40H	set	6/14/17	6/14/17	4/9/14	4/9/14	4/8/14	4/8/14

Model	Indoor		ALHD-C150/5	ALHD-H150/5	ALHD-C185/5	ALHD-H185/5	ALHD-C220/5	ALHD-H220/5
	Outdoor		AL-C150/5(HD)	AL-H150/5(HD)	AL-C185/5(HD)1+AL-C185/5(HD)2	AL-H185/5(HD)1+AL-H185/5(HD)2	AL-C220/5(HD)x2	AL-H220/5(HD)x2
Capacity	Cooling	Btu/h	150000	150000	185000	185000	220000	220000
		kW	42.0	42.0	54.0	54.0	64.0	64.0
	Heating	Btu/h	/	157500	/	202500	/	240000
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3
	Cooling Power Input	kW	17.36	17.36	22.5	22.5	27.24	27.24
	Heating Power Input	kW	/	15.40	/	21.47	/	25.17
	Cooling Current	A	31.56	31.56	39.69	39.69	48.31	48.31
	Heating Current	A	/	27.89	/	38.37	/	45.53
Performance	EER		2.42	2.42	2.40	2.40	2.35	2.35
	COP		/	3.00	/	2.77	/	2.80
Indoor	Net Dimension	mm	1820X990X855	1820X990X855	2115X990X855	2115X990X855	2420X1090X855	2420X1090X855
	Packing Dimension	mm	1930X1010X990	1930X1010X990	2230X1010X990	2230X1010X990	2530X1110X990	2530X1110X990
	Net Weight	kg	150	150	225	225	290	290
	Gross Weight	kg	170	170	255	255	320	320
	Air Flow Volume(Hi/Mid/Low)	m ³ /h	8000	8000	10000	10000	12000	12000
	Noise Level(Hi/Mid/Low)	dB(A)	62	62	63	63	65	65
	External Static Pressure(ESP)	Pa	150	150	180	180	200	200
Outdoor	Net Dimension	mm	2350X600X1450	2350X600X1450	(1550X600X1450)x2	(1550X600X1450)x2	(1550X600X1450)x2	(1550X600X1450)x2
	Packing Dimension	mm	2540X740X1650	2540X740X1650	(1740X740X1650)x2	(1740X740X1650)x2	(1740X740X1650)x2	(1740X740X1650)x2
	Net Weight	kg	390	400	240X2	250X2	260X2	270X2
	Gross Weight	kg	420	430	280X2	290X2	290X2	300X2
	Noise Level	dB(A)	64	64	65	65	66	66
Piping	Liquid Side	mm	12.7X3	12.7X3	15.88X2	15.88X2	15.88X2	15.88X2
	Gas Side	mm	19.05X3	19.05X3	28.58X2	28.58X2	28.58X2	28.58X2
	Max. Length	m	50	50	50	50	50	50
	Max. Height	m	30	30	30	30	30	30
Stuffing Quantity	20/40/40H	set	3/8/11	3/8/11	3/6/7	3/6/7	2/5/7	2/5/7

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

Commercial Floor Standing



1.Touch screen design

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



2.One-click lock function

- ★ One click lock function controlled by remote controller can avoid mistake operation in public places.



3.Auto swing design, wide swing angle

- ★ These 2 features can make indoor temperature distributed even.

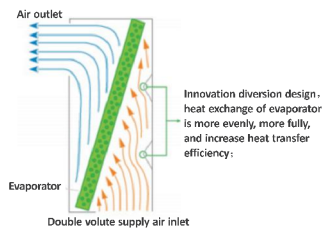
4.Multi-system design, EER increased

- ★ Independent system can achieve 0~50%~100% multi-level adjustment according to different load.
- ★ Indoor temperature large fluctuation problem existing in old design gets improved
- ★ EER and SEER increased, which saves operation cost.



5.Innovation diversion design

- ★ Innovation diversion design in evaporator air inlet side - makes strong airflow more evenly through evaporator - which avoid heat exchange focused on the top, thus makes heat exchange more fully and more high-efficient, at the same time, the temperature is more uniform , comfortable, and the capacity is stronger.



Model	Indoor		ALFS-C100/S	ALFS-H100/S
	Outdoor		AL-C100/S(FS)	AL-H100/S(FS)
Capacity	Cooling	Btu/h	100000	100000
		kW	27.1	27.1
	Heating	Btu/h	/	101500
		kW	/	29.8
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3
	Cooling Power Input	kW	9.75	9.75
	Heating Power Input	kW	/	11.23
	Cooling Current	A	16.46	16.46
Performance	Heating Current	A	/	18.96
	EER		2.78	2.78
	COP		/	2.65
Indoor	Net Dimension	mm	1200X360X1850	1200X360X1850
	Packing Dimension	mm	1270X430X2000	1270X430X2000
	Net Weight	kg	110	120
	Gross Weight	kg	125	135
	Air Flow Volume(Hi/Mid/Low)	m³/h	3800	3800
Outdoor	Noise Level(Hi/Mid/Low)	dB(A)	60	60
	Net Dimension	mm	1350X600X1450	1350X600X1450
	Packing Dimension	mm	1550X740X1650	1550X740X1650
	Net Weight	kg	195	200
	Gross Weight	kg	220	225
Piping	Noise level	dB(A)	65	65
	Liquid Side	mm	9.52X2	9.52X2
	Gas Side	mm	19.05X2	19.05X2
	Max. Length	m	50	50
Stuffing Quantity	Max. Height difference	m	20	20
		set	5/13/15	5/13/15

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

Project Information Collection

Sr.No.	Country	City	Project Name	Products
1	Iran	Tehran	Marzadaran Bldg	Water Cooled Screw Chiller & Fan Coil Unit
2	Iran	Tehran	Aghdasieh Bldg	X Modular Chiller & Fan Coil Unit
3	Iran	Tehran	Niyayesh Bldg	Air Cooled Screw Chiller & Fan Coil Unit
4	Iran	Tehran	Arjentin Commercial Bldg	X Modular Chiller & Fan Coil Unit
5	Iran	Esfahan	Masrouh Bldg	X Modular Chiller & Fan Coil Unit
6	Iran	Tehran	Darous Bldg	Air Cooled Mini Chiller & Fan Coil Unit
7	Iran	Saari	Shayan Bldg	VRF
8	Iran	Qom	Baran Bldg	Ducted Concealed
9	Iran	Tehran	Payambar Bldg	Ducted Concealed
10	Iran	Tehran	Farhang Commercial Bldg	Water Cooled Screw Chiller & Fan Coil Unit
11	Iran	Tabriz	Tabriz International Hotel	Water Cooled Screw Chiller & Fan Coil Unit
12	Iran	Tehran	Shayandeh Bldg	X Modular Chiller
13	Iran	Tehran	Baghcheh Mosque	Package Units
14	Iraq	Erbil	Tablo Mall	Air Cooled Screw Chiller & Fan Coil Unit & AHU
15	Iraq	Erbil	Van Hotel	Air Cooled Screw Chiller & Fan Coil Unit & AHU
16	Iraq	Basra	Construction Company	T3 DX cassette a/c
17	Iraq	Basra	Asia Cell	T3 DX cassette a/c
18	Iraq	Sulaymania	American University	T3 DX cassette a/c
19	Iraq	Sulaymania	Diwan Mobilya	T3 DX cassette a/c
20	Iraq	Sulaymania	Hospital Private	T3 DX cassette a/c
21	Iraq	Mousel	Mosuel University	T3 DX cassette a/c
22	Iraq	Najaf	Hotel	T3 DX cassette a/c
23	Iraq	Baghdad	Furniture Trading Company	T3 DX cassette a/c
24	Lebanon	Beruit	Cola Building Work site	Ducted Concealed
25	Qatar	Doha	Al Fardows Residential Complex	Air Cooled Screw Chiller & Fan Coil Unit & AHU
26	Qatar	Doha	Villas 230	Ducted Concealed
27	Saudi Arabia	Makkah	Mahbas Al Jin - Makkah	Ducted Concealed
28	Saudi Arabia	Makkah	Maabdia - Makkah	Ducted Concealed
29	Saudi Arabia	Makkah	Jarwal - Makkah	Ducted Concealed
30	Saudi Arabia	Makkah	Hotel In Raquba	Ducted Concealed
31	Saudi Arabia	Makkah	Shouqqa - Makkah	Ducted Concealed
32	Saudi Arabia	Makkah	Hotel in Al Nasim	Ducted Concealed

