

+cold

50Hz/60Hz LCAC Product Catalogue

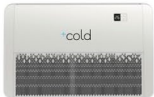
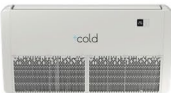
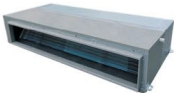
Latin America



Ver.QR.ST

Contents

• 50Hz/60Hz ON/OFF Series

Capacity(Btu/h)	24,000	36,000	48,000	60,000
Floor&Ceiling Unit EER2.36				
Round Flow Cassette				
Ducted Unit				
Air Handler				
Condensing Unit				

• 60Hz SEER 13 ON/OFF Series

Capacity(Btu/h)	18,000	24,000	30,000	36,000	42,000	48,000	60,000
Air Handler							
Outdoor Unit							

• 60Hz Inverter Series

Capacity(Btu/h)	18,000	24,000	36,000	48,000	60,000
Air Handler					
Floor&Ceiling Unit					
Round Flow Cassette					
Ducted Unit					
SEER16 Top Discharge					
SEER16 Side Discharge					
Normal Inverter					

• Rooftop Package Unit

Capacity(TR)	2	3	4	5
ON/OFF Rooftop Package Unit				
Seer 18 Inverter Rooftop Package Unit				
16 Seer2 Inverter Rooftop Package Unit				



50Hz/60Hz ON/OFF SERIES

50Hz/60Hz Top-discharge Condensing Unit



24/36k Btu/h

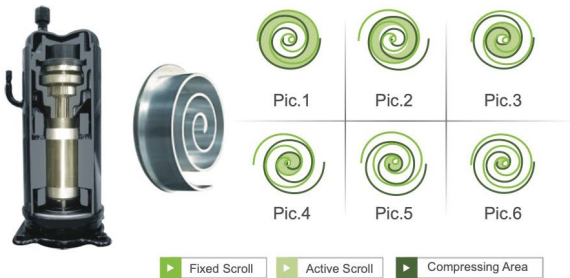


48/60k Btu/h

Features

High efficiency compressor

Famous brand high efficiency rotary compressor for 24/36K model, and scroll compressor for 48/60k model, reliable quality and quiet operation.



• Scroll Comp. • Scroll Plate • Working Principle

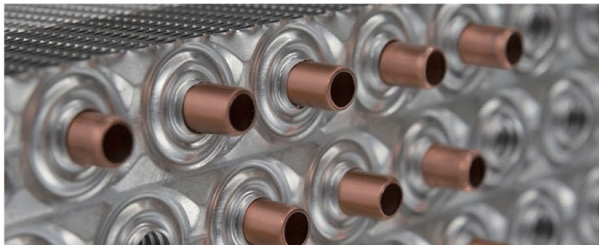
24V communication

24V universal communication connection, safe and reliable, and it allows to connect with 3rd party indoor units, very suitable for equipment renewal projects.



High efficiency condenser

Composed of inner groove copper tube and hydrophilic aluminum foil, which has better heat exchange efficiency.



Golden fin

Golden hydrophobic aluminum fins for option.

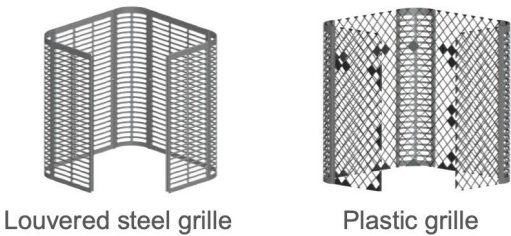


Multi protections



Condenser guard grille

Optional louvered steel grille and standard plastic grille can be selected to effectively protect the condenser.



Specification

60Hz R410A Cooling Only 

Model		COT-24CNR1	COT-36CNR1	COT-48CNR1	COT-60CNR1	COT-48CXR1	COT-60CXR1
Power supply	V/Hz/N	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/3	208-230/60/3
Capacity		24000	36000	48000	60000	48000	60000
Cooling	Btu/h	2	3	4	5	4	5
	RT						
Physical data		2400	2400	3200	3200	3200	3200
Air flow volume	CFM	65	65	63	65	63	65
Noise level	dB(A)	554x554x633	554x554x633	740x740x835	740x740x835	740x740x835	740x740x835
Net dimension(WxDxH)	mm	575x575x660	575x575x660	760x760x875	760x760x875	760x760x875	760x760x875
Packing dimension(WxDxH)	mm	46.0	46.5	92.0	74.5	83.8	89.0
Net weight	kg	49.0	49.5	96.0	79.0	88.1	94.0
Gross weight	kg	Piping data					
Piping data		3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Liquid size	in	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"
Gas size	in	20	20	20	20	15	15
Max. pipe length	m	10	10	10	10	4	4
Max. height difference	m						

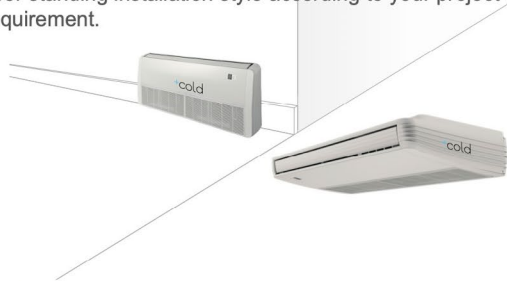
Floor & Ceiling Unit



Features

Flexible installation

Flexible installation, you can choose ceiling suspended or floor standing installation style according to your project requirement.



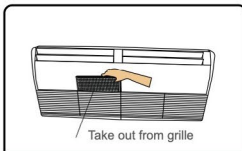
AC fan motor

AC motor is standard, stable operation, high efficiency and low noise.



Washable filter

Long term filter can effectively remove PM2.5 in the air, and it could be take out from grille easily to clean, aims to provide healthy indoor environment.



Optional honeycomb grille

Horizontal grille is standard, and honeycomb type is available for your customization.



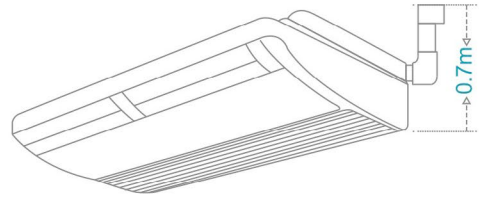
Horizontal Type Grille
(Standard)



Honeycomb Type Grille
(Optional)

Optional water pump

Water pump is optional, the pumping head is up to 700mm.



Digital display

Digital display is standard, on the right side. It is more intuitive and simple, and error code can be shown in the display.



3D airflow

Auto-swing function, built-in two louver motor, vertical and horizontal air-flow adjustment.



Specification

60Hz R410A Cooling Only(New)



Indoor unit			CUAi-24CR1	CUAi-36CR1	CUAi-48CR1	CUAi-60CR1
Power supply		V/Hz/N	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Capacity						
Cooling	Capacity	Btu/h	24000	36000	48000	60000
		RT	2	3	4	5
Physical data						
Air flow volume (Hi/Med/Low)		CFM	880/760/640	880/760/640	1230/1110/1000	1230/1110/1000
Noise level (Hi/Med/Low)		dB(A)	51/48/46	57/54/52	58/55/52	58/55/52
Net dimension(WxDxH)		mm	1050x235x676	1250x235x675	1670x235x675	1670x235x675
Packing dimension(WxDxH)		mm	1130x325x765	1380x325x765	1750x325x770	1750x325x770
Net weight		kg	27	32	40	40
Gross weight		kg	31	37	46	46
Piping data						
Piping size	Liquid	in	1/4"	3/8"	3/8"	3/8"
	Gas	in	1/2"	3/4"	3/4"	3/4"
	Drainage	in	1"	1"	1"	1"

Note

- 1.The cooling condition: T1 condition: indoor side 27℃ (80.6°F) DB, 19℃ (60°F) WB, outdoor side 35℃ (95°F) DB;
- 2.The heating condition: indoor side 20℃ (68°F) DB, 15℃ (44.6°F) WB, outdoor side 7℃ (42.8°F) DB
- 3.Sound level: measured at a point 1m in front of the unit at a height of 1.3m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- 4.The above data may be changed without notice for future improvement on quality and performance.

Round Flow Cassette



Features

360° air supply

Round-flow ceiling mounted cassette adopts 360° air supply panel design, it could distributes comfort to every corner of the room.



Fresh air intake

Four interfaces to connect with duct for fresh air intake, provides healthy indoor environment.



Digital display

Digital tube display is optional your choice, standard is LED display.



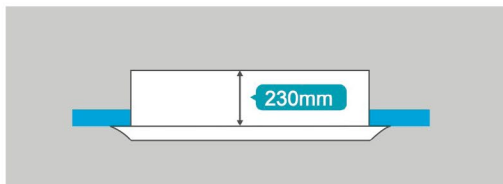
3D fan blade

Streamlined design 3D spiral fan blade, reduces air resistance and operation noise.



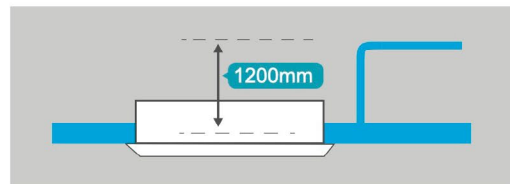
Ultra-thin body

Ultra-thin body design, the min. height is only 230mm, save installation space.



Water pump

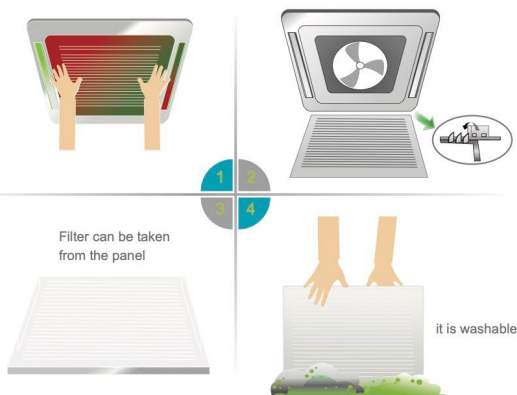
Built-in water pump, water head up to 1200mm.



Features

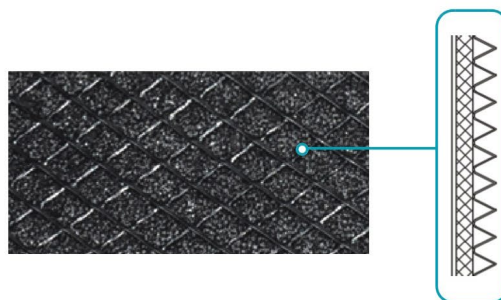
Washable filter

Long term filter can effectively remove PM2.5 in the air, and it could be take out from grille easily to clean, aims to provide healthy indoor environment.



Cold catalyst filter(optional)

It can initiate a catalytic reaction under normal temperature and pressure, decompose a variety of harmful and odorous gases into harmless and odorless substances under normal temperature and pressure, effectively remove formaldehyde, benzene, xylene, toluene, TVOC and other harmful gases, and provide a fresh and healthy interior environment.



Specification

60Hz R410A Cooling Only



Indoor unit			CCR-24CR1	CCR-36CR1	CCR-48CR1	CCR-60CR1
Power supply		V/Hz/N	220-240/1/60	220-240/1/60	220-240/1/60	220-240/1/60
Capacity						
Cooling	Capacity	Btu/h	24000	36000	48000	60000
		RT	11.6	19	10.3	10.8
Piping data						
Indoor air flow (Hi/Med/Lo)		CFM	710/620/530	1000/880/710	1120/950/780	1120/950/780
Indoor noise level(Hi/Mi/Lo)		dB(A)	48/46/44	48/46/44	52/48/45	52/48/45
Net dimension(WxHxD)	Body(mm)	840x230x840	840x285x840	840x285x840	840x285x840	
	Panel(mm)	950x50x950	950x50x950	950x50x950	950x50x950	
Packing dimension (WxHxD)	Body(mm)	920x310x920	920x310x920	920x310x920	920x310x920	
	Pane(mm)	1030x100x1030	1030x100x1030	1030x100x1030	1030x100x1030	
Net/Gross weight	Body (kg)	28/32	28/32	31/35	31/35	
	Panel (kg)	5.4/8.0	5.4/8.0	5.4/8.0	5.4/8.0	
Refrigerant type			R410A	R410A	R410A	R410A
Piping data						
Liquid side/ Gas side		mm	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe		mm	DN25	DN25	DN25	DN25
Connection wiring	Power wiring	mm ²	3x2.5/3x1.0	3x4.0/3x1.0	5x2.5/3x1.0	5x2.5/3x1.0
	Signal wiring	mm ²	3x0.75	3x0.75	5x0.75	3x0.75
Application area		m ²	28-50	40-70	55-95	60-105

Note

- 1.The cooling condition: T1 condition: indoor side 27°C (80.6°F) DB, 19°C (60°F) WB, outdoor side 35°C (95°F) DB;
- 2.The heating condition: indoor side 20°C (68°F) DB, 15°C (44.6°F) WB, outdoor side 7°C (42.8°F) DB
- 3.Sound level: measured at a point 1m in front of the unit at a height of 1.3m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
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Ducted Unit



Features

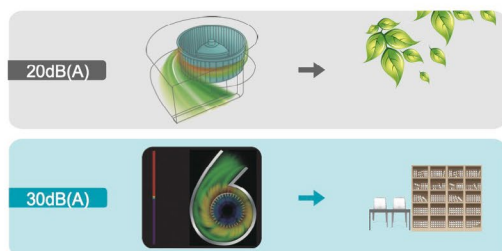
Ultra-thin body

Ultra-thin body design, Installation space is greatly reduced. The thickness of the three cases are 210mm, 260, 370mm respectively.

Product	Thickness	
Short duct	210mm	
Medium ESP duct	260mm	
High ESP duct	370mm	

Centrifugal fan

Adopting aviation centrifugal fans, and CFD technology design, increasing air volume and decreasing noise level, noise level only 29dB(A) for Low ESP Ducted Unit.



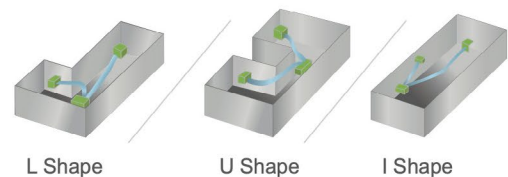
Fan speed

Three fan speed, meet different requirements.



Flexible installation

Ducted could be easily connected according to the various project demands, especially for complex projects. And the ESP of short duct, medium ESP duct, high ESP duct are 30Pa, 70Pa, 150Pa respectively.



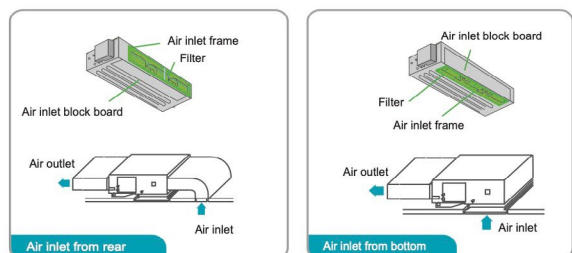
Washable filter

Long term filter can effectively remove PM2.5 in the air, and it could be take out from grille easily to clean, aims to provide healthy indoor environment. And the filter could be take out from different direction which is convenience for clean.



Air return

Air return from rear or bottom is easy to change on site according to actual situation, convenient for installation.



Specification

60Hz R410A Cooling Only



Outdoor unit			CTB-24CNR1	CTB-36CNR1	CTB-48CNR1	CTB-60CNR1
Power supply		V/Hz/N	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Capacity						
Cooling	Btu/h		24000	36000	48000	60000
	RT		2	3	4	5
Physical data						
Air flow volume(Hi/Med/Low)	CFM		680/600/480	1170/940/760	1170/940/760	1170/940/760
Noise level(Hi/Med/Low)	dB(A)		52/45/40	50/47/45	56/54/51	56/54/51
Net dimension(WxDxH)	mm		1190x643x260	1190*643*260	1425x643x260	1425x643x260
Packing dimension(WxDxH)	mm		1255x720x325	1255x720x325	1490x720x325	1490x720x325
Net weight	kg		32	32	46	46
Gross weight	kg		36	36	50	50
Applicable area	m²		28-50	40-70	55-95	60-105
Piping data						
Pipe size	Liquid	in	3/8"	3/8"	3/8"	3/8"
	Gas	in	5/8"	3/4"	3/4"	3/4"
	Drainage	in	1"	1"	1"	1"

Air Handler



36/60K Btu/h

Features



Use R410A refrigerant, can be matched with top-discharge condensing unit.



Easily controlled by thermostat and compatible with other manufacturer's products.



Centrifugal fan rotor with a static pressure of 50 Pa, can provide large air volume.



Flexible installation, can be installed vertical or horizontal.

Specification

Indoor unit			CAHI-36CNR1		CAHI-60CNR1	
Power supply		V/Hz/N	208-230/1/60		208-230/1/60	
Capacity			36000		60000	
Cooling	Capacity	Btu/h	36000		60000	
		RT	3		5	
Physical data			1000		1470	
Air flow volume		CFM	37		50	
External static pressure (Hi)		Pa	51-56		51-57	
Noise level		dB(A)	460x774x520		500x970x550	
Indoor dimension	Unit (WxHxD)	mm	520x834x565		560x1030x595	
	Packing (WxHxD)	mm	37		45	
Net weight		kg	39		48	
Gross weight		kg				

Note

- 1.The cooling condition: T1 condition: indoor side 27℃ (80.6°F) DB, 19℃ (60°F) WB, outdoor side 35℃ (95°F) DB;
- 2.The heating condition: indoor side 20℃ (68°F) DB, 15℃ (44.6°F) WB, outdoor side 7℃ (42.8°F) DB
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