



50Hz ON OFF LCAC Product Catalogue



Giwee Company

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A Carrier Company

Note: The specifications of this catalog may change for further improvement on quality and performance without prior notice to allow us to incorporate the latest innovations for its customers. The information contained in this catalog is merely informative.

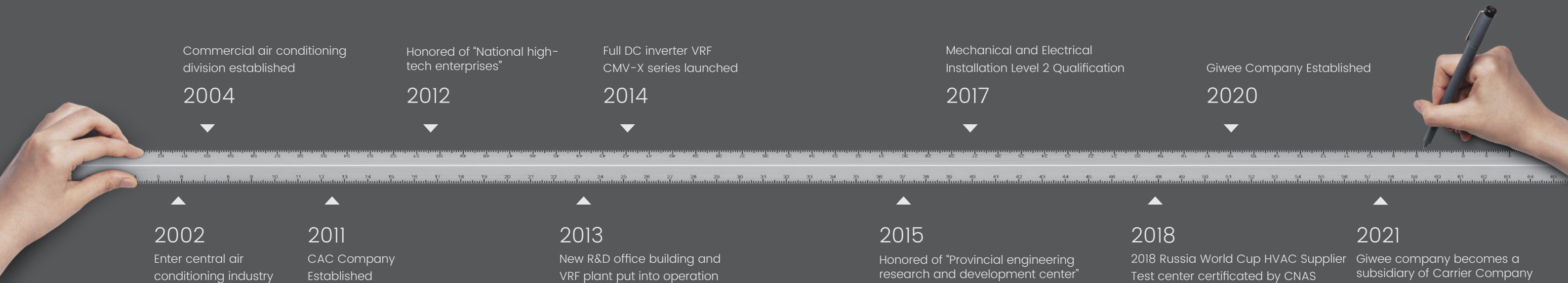
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About Giwee Company

Giwee is a global supplier with integrated advantages in R&D, production and sales in the HVAC field, brand name is GCHV. Giwee has been deeply involved in the air-conditioning field for more than ten years with a rich product lineup and excellent market competitiveness, mainly engaged in RAC, CAC, heat pump and ventilation systems. Giwee is a Carrier company, and Carrier is the leading global provider of innovative healthy, safe, sustainable and intelligent building and cold chain solutions.

Giwee covers an area of 167,000 square meters, with more than 120,000 square meters of plants and 15 modern first class production lines. Annual output exceeds 2.5 million sets, includes VRF, modular chiller, light commercial air conditioners, air source heat pumps and other products. products are in great demand on 100 more countries and regions and has accomplished thousands of reference projects worldwide, which enabled it become the top 3 central air conditioner supplier in china.





Production Capacity

Giwee has 18 advanced production lines and an annual production capacity of over 2.5 million sets

Introduce lean production management, improve production efficiency. By the use of various robots, AGV system and other equipment, improving the online, offline process, optimizing the logistics distribution technology, improving product quality and production efficiency. Adopts MES (Manufacturing Execution System) system, it helps a lot in tracking production schedule, inventory status, work schedule and other operations management to improve. Product quality and productivity.

Robotic Assembly Arm



Automatic Packing Robot



AGV System



MES System



Quality Superiority

Giwee has established a strict and scientific quality management system with supplier quality assurance, incoming quality control, process quality control and final quality control to ensure the highest quality of the products.

The industry-leading testing center has been certified by CNAS in 2018, With a full range of professional incoming inspection labs, enthalpy difference labs, EMC labs, 27 national accredited labs for testing and verification.



Certification

ISO9001 quality management system, ISO14001 environmental management system, OHSAS18001 occupational health and safety management system, QC080000 electronic and electrical components and products harmful substances process management system certification

Main product certified by CCC, energy-saving certification, ETL, AHRI, DOE, CE, CB, SASO, ESMA, MEW and others.



ISO9001



ISO14001



ISO45001



QC 080000



AEO





Enthalpy Difference Lab



Laboratory Control Room

R&D Strength



200kg Transport Simulation Platform



Professional Engineers



EMC Lab



Noise Test Lab



200HP Long-term Running Lab



Modular Chiller Test Lab



Electromagnetic Vibration Lab

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The R&D center of Giwee has more than 200 technical engineers, carry out technology collaboration and joint research with postdoctoral research workstations and Guangdong enterprise workstations, at the same time, introducing senior technical experts from Japan to join Giwee and served as senior technical consultants, Giwee pay great attention in R&D and invest 4.5% of annual income every year to develop new technology,by the continuous innovation, Giwee has established a solid development foundation and strength in performance, structure, electronic control, industrial design and other professional aspects.












The test center covers an area of more than 6,000 square meters. It has a series of industry-leading professional laboratories. In 2010, it passed the consistency check of the National Energy Efficiency Label Management Center and obtained certificate, in 2018, the test center obtained CNAS national certification.

Contents










• ON /OFF Light Commercial

Capacity(Btu/h)	12,000	18,000	24,000	30,000	36,000	48,000	60,000
Compact 4-way Cassette Unit							
Round-way Cassette Unit							
Floor-ceiling Unit							
Low ESP Short Ducted Unit							
Medium ESP Ducted Unit							
High ESP Ducted Unit							
Outdoor Unit							

• Floor Standing & Duct Unit

Capacity(Btu/h)	53000	70000	96000	150000	190000
Floor Standing					
High ESP Duct					
Outdoor unit					

• Compressor Condensing Unit(ccu)

Capacity(Btu/h)	12,000	18,000	24,000	36,000	48,000	60,000	96,000	120,000	150,000
Compressor Condensing Unit									

• Rooftop Package Unit

Capacity(TR)	3	4	5	20	25
Rooftop Package Unit					



How To Read The Model



C CA T i - 24 E C V R1 - B

Design No B: second design

Refrigerant -: R22 RI:R410A

V: DC Inv. -: Fixed speed.

Function code

C: Cooling only H: Heat pump.

E: Electrical auxiliary heater.

Capacity: kBtu/h

-: Match universal outdoor unit;
I: Match individual outdoor unit

Condition -: T1 condition T:T3 condition.

Product series

CA: 4-way cassette; CB: Compact 4-way cassette;
CR: Round-flow cassette; TA: Low ESP short duct;
TB: Mid ESP duct; TH: High ESP duct;
UA: Floor & Ceiling; FA: Floor-standing; SG: Multi Wall type;
SC: Multi 4-way cassette; ST: Multi duct;

C:GCHV

C 3 OU T - 24 C S V R1 - B

Design No B: second design

Refrigerant -: R22 RI:R410A

V: DC Inv. -: Fixed speed.

Power code

-: 220-240V/1N/50Hz S: 380V/3N/50Hz
Z: 380-415V/3N/50Hz N: 208-230V/1N/60Hz

Function code C: Cooling only; H: Heat pump

Capacity: KBtu/h

Condition

-: T1 condition T:T3 condition

Product series

OU: Universal type OT: Top-discharge
OW: Non-universal type

Match Code

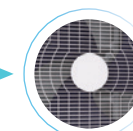
-: unitary series 2: Multi 1 drives 2 3: Multi 1 drives 3
4: Multi 1 drives 4 5: Multi 1 drives 5

C:GCHV

ON/OFF Light Commercial Universal Outdoor Unit



Features



New grille design

Optimized new airflow structure grille design for bigger air flow, and enhanced the heat exchange efficiency.



Integrated design

Integrated design for service window and handle, easy to connect the wire and hold it by hand.



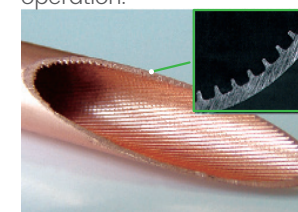
Bionic leaf fan blade design

The distribution of the outlet velocity is more uniform and the aerodynamic performance is improved.



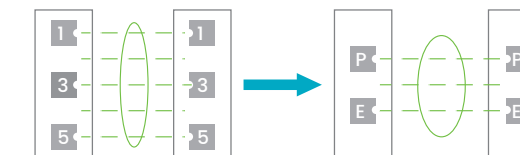
High efficiency

Hydrophilic aluminum foil and inner-grooved tube, enhance the heat exchanger efficiency. Multi protections like high pressure protection, high temperature protection and so on to ensure its safety long term operation.



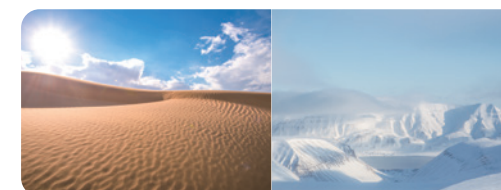
RS485 communication

Using RS485 communication between IDU and ODU, more safety and reduce wrong connection ratio.



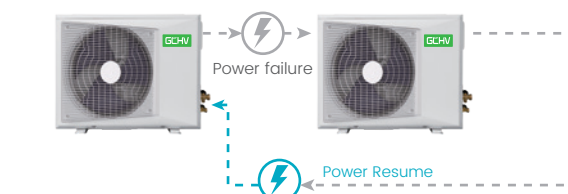
Wide operation range

Wide operation temperature range, cooling up to 50 °C and heating down to -7 °C.



Auto restart

If the unit stops due to the power failure, it will restart with previous settings when power resumes.



Specification

R410A Heat Pump



Model			COU-12HRI-C	COU-18HRI-C	COU-24HRI-C	COU-30HRI-A	COU-36HRI-C	COU-36HSRI-C	COU-48HSRI-C	COU-60HSRI-C
Power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Capacity										
Cooling	Capacity	Btu/h	12000	18000	24000	30000	36000	36000	48000	60000
		TR	1	1.5	2	2.5	3	3	4	5
Heating	Capacity	Btu/h	13200	20000	26000	32000	39000	39000	52000	60000
		TR	1.1	1.7	2.2	2.7	3.3	3.3	4.3	5
Physical data										
Outdoor air flow		m³/h	2000	2200	3400	3200	3800	3800	6100	6100
Outdoor noise level		dB (A)	55	55	56	58	56	56	60	60
Dimension(WxHxD)		mm	850x555x345		914x705x382		1015x810x445		911x1330x400	
Packing dimension(WxHxD)		mm	915x600x385		975x770x435		1075x890x495		964x1445x402	
Net/Gross weight		kg	31/34	36/38.5	52/55	57/60	65/70	67/71	83/92	91/100
Design pressure		Mpa	4.0/1.2	4.0/1.2	4.5/1.5	4.9/1.5	4.9/1.5	4.9/1.5	4.2/1.2	4.2/1.2
Piping data										
Liquid side/Gas side		mm	Φ6.35/Φ12.7		Φ9.52/Φ15.88		Φ9.52/Φ19.05			
Max. pipe length		m	15	20	20	20	20	20	20	20
Max. high drop		m	8	10	10	10	10	10	10	10

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.
- 4.The above data may be changed without notice for future improvement on quality and performance.

R410A Cooling Only



Model			COU-18CR1-C	COU-24CR1-C	COU-30CR1-A	COU-36CR1-C	COU-36CSR1-C	COU-48CZR1-C	COU-60CZR1-C
Power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Capacity									
Cooling	Capacity	Btu/h	18000	24000	30000	36000	36000	48000	60000
		TR	1.5	2	2.5	3	3	4	5
Physical data									
Outdoor air flow		m³/h	2300	3400	3200	3800	3800	6100	6100
Outdoor noise level		dB (A)	55	56	58	56	56	60	60
Dimension (W×H×D)		mm	850×555×345	914×702×382		1015×810×445		911×1330×400	
Packing dimension (W×H×D)		mm	915×600×380	975×770×435		1075×890×495		964×1445×402	
Net/Gross weight		kg	36/38.5	48/51	56/59	63/68	63/68	80/89	87.5/97.5
Design pressure		Mpa	4.0/1.2	4.5/1.5	4.9/1.5	4.9/1.5	4.9/1.5	4.2/1.2	4.2/1.2
Piping data									
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88		Φ9.52/Φ19.05			
Max. pipe length		m	15	20	20	20	20	20	20
Max. high drop		m	8	10	10	10	10	10	10

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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4-way Cassette (Compact) Unit

Controller



Wireless
(Standard)



Wireless
(Optional)



12K/18K Btu/h

Wired
(Optional)

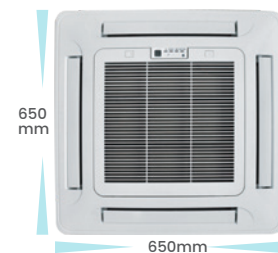


Features

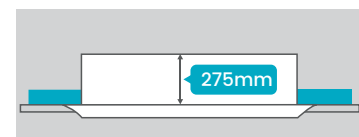


Compact body

Compact type, ultra-thin body design, the min. height is only 275mm, save installation space.

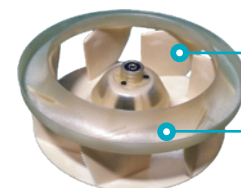


Compact
Panel



Fan blade

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



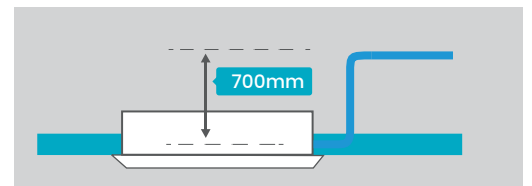
Three-dimensional
spiral fan blade

Diffuser



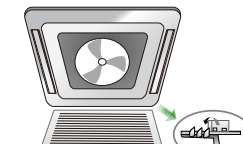
Built-in water pump

Built-in water pump head up to 700mm, It can help drain the condensate quickly.

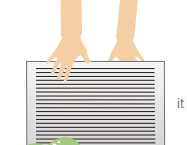
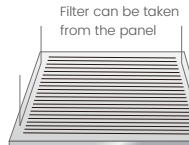


Washable filter

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.



1 2
3 4

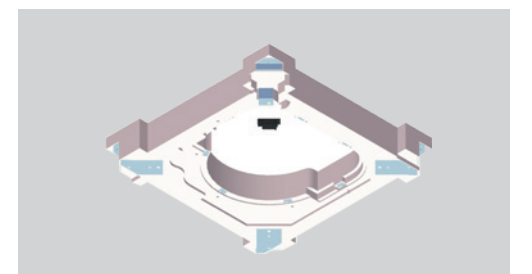


it is washable



Foam water tray

Coated with special plastic, convenient to install, preventing the leakage of condensed water effectively.



Specification

R410A Heat Pump

Indoor unit			CCB-12HR1-C	CCB-18HR1-C
Power supply			V/N/Hz	V/N/Hz
			220-240/1/50	220-240/1/50
Capacity				
Cooling	Capacity	Btu/h	12000	18000
		TR	1	1.5
	EER	WW	2.69	2.65
Heating	Capacity	Btu/h	13000	20000
		TR	1.1	1.7
	COP	W/W	2.86	3.24
Physical data				
Indoor air flow(Hi/Med/Lo)		m³/h	590/490/390/300	750/650/550/400
Indoor noise level(Hi/Med/Lo)		dB(A)	40/35/32	48/43/34
Dimension(WxHxD)	Body(mm)		580x275x580	
	Panel(mm)		650x30x650	
Packing dimension(WxHxD)	Body(mm)		755x375x680	
	Panel(mm)		750x95x750	
Net/Gross weight	Body(kg)		16/21.5	16.5/22
	Panel(kg)		2.7/4.0	2.7/4.0
Piping data				
Liquid side/Gas side		mm	Φ6.35/Φ12.7	
Drainage pipe		mm	DN25	
Application area		m²	15-25	20-35
Stuffing quantity(Set)		40'HQ	150	150

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.
- 4.The above data may be changed without notice for future improvement on quality and performance.

R410A Cooling Only

Indoor unit			CCB-18CR1-C
Power supply			V/N/Hz
			220-240/1/50
Capacity			
Cooling	Capacity	Btu/h	18000
		TR	1.5
	EER	WW	2.65
Physical data			
Indoor air flow(High speed)		m³/h	750
Indoor noise level		dB(A)	43-48
Dimension(WxHxD)	Body(mm)		580x275x580
	Panel(mm)		650x30x650
Packing dimension(WxHxD)	Body(mm)		755x375x680
	Panel(mm)		750x95x750
Net/Gross weight	Body(kg)		16.5/22
	Panel(kg)		2.7/4.0
Piping data			
Liquid side/Gas side		mm	Φ6.35/Φ12.7
Drainage pipe		mm	DN25
Application area		m²	20-35
Stuffing quantity(Set)		40'HQ	150

Round-flow Cassette

Controller

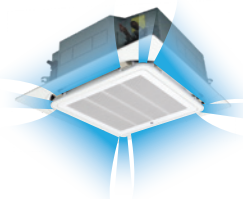


Features



360° air flow

Cold air can reaching each corner of the room, more comfortable.

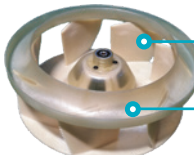


Round flow cassette



Fan blade

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



Three-dimensional spiral fan blade
Diffuser



Digital tube display

LED display is optional your choice, standard is digital display.



Standard

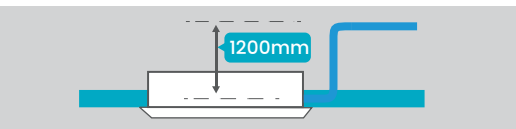


Optional



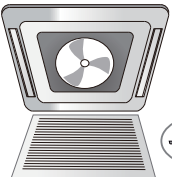
Built-in water pump

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



Washable filter

Washable filter design requires less maintenance since it only needs to be cleaned a couple of times on an annual basis by yourself, easy and cost effective.



1 2

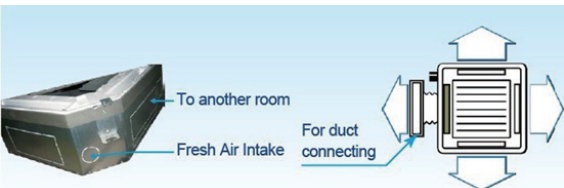


it is washable



Fresh air intake

Four interfaces to connect with duct to another room. Fresh air intake, more healthy and comfortable.



Specification

R410A Heat Pump

Indoor unit			CCR-18HRI-C	CCR-24HRI-C	CCRT-30HRI-C	CCR-36HRI-C	CCR-48HRI-C	CCR-60HRI-C
Power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity			18000	24000	30000	36000	48000	60000
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	60000
	EER	W/W	2.68	2.78	2.80	2.79(2.65)	2.70	2.72
Heating	Capacity	Btu/h	20000	26000	32000	39000	52000	60000
	COP	WW	3.41	3.42	3.11	2.95(3.06)	2.88	2.68
Physical data			810/720/640	1200/1020/840	1300/1100/850	1700/1500/1300	1700/1500/1300	1900/1650/1400
Indoor air flow (Hi/Med/Lo)		m³/h	45/41/38	48/46/44	50/47/44	48/46/44	52/48/45	52/48/45
Dimension (WxHxD)	Body (mm)		840x230x840				840x285x840	
	Panel (mm)		950×50×950				950×50×950	
Packing dimension (WxHxD)	Body (mm)		920x265x920				920x310x920	
	Panel (mm)		1030×100×1030				1030×100×1030	
Net/Gross weight	Body (kg)		24/29	24/29	24/29	28/33.5	28/33.5	28/33.5
	Panel (kg)		6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5
Piping data			Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ19.05		
Liquid side/Gas side		mm	DN25					
Drainage pipe		mm						
Application area		m²	20-35	28-50	28-50	40-70	55-95	60-105
Stuffing quantity (Set)		40'HQ	90	90	90	60	60	60

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.
- 4.The above data may be changed without notice for future improvement on quality and performance.

R410A Cooling Only

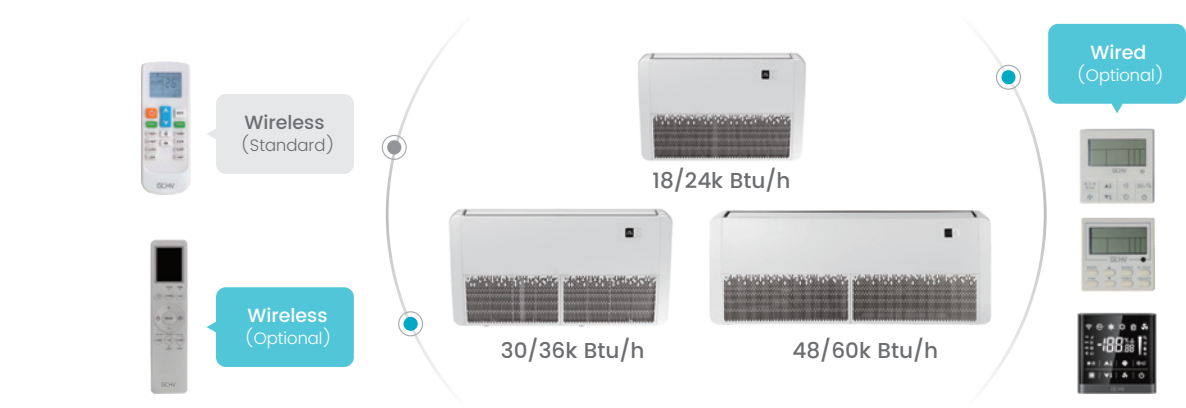
Indoor unit			CCR-18CRI-C	CCR-24CRI-C	CCRT-30CRI-C	CCR-36CRI-C	CCR-48CRI-C	CCR-60CRI-C
Power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity								
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	60000
		TR	1.5	2	2.5	3	4	5
	EER	W/W	2.70	2.78	2.80	2.71	2.70	2.72
Physical data								
Indoor air flow (Hi/Med/Lo)		m³/h	810/720/640	1200/1020/840	1300/1100/850	1700/1500/1300	1700/1500/1300	1900/1650/1400
Indoor noise level (Hi/Med/Lo)		dB (A)	45/41/38	48/46/44	50/47/44	48/46/44	52/48/45	52/48/45
Dimension (WxHxD)		Body (mm)	840x230x840				840x285x840	
		Panel (mm)	950×50×950				950×50×950	
Packing dimension (WxHxD)		Body (mm)	920x265x920				920x310x920	
		Panel (mm)	1030×100×1030				1030×100×1030	
Net/Gross weight		Body (kg)	24/29	24/29	24/29	24/29	28/33.5	28/33.5
		Panel (kg)	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5
Piping data								
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ19.05		
Drainage pipe		mm	DN25					
Application area		m²	20-35	28-50	28-50	40-70	55-95	60-105
Stuffing quantity (Set)		40'HQ	90	90	90	60	60	60

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.
- 4.The above data may be changed without notice for future improvement on quality and performance.

Floor & Ceiling Unit

Controller

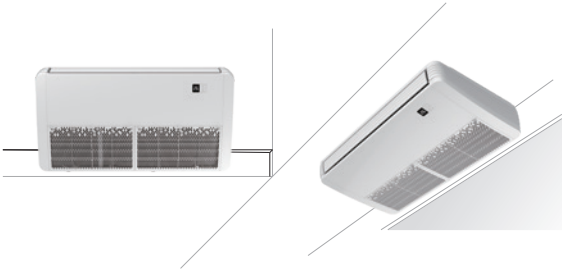


Features



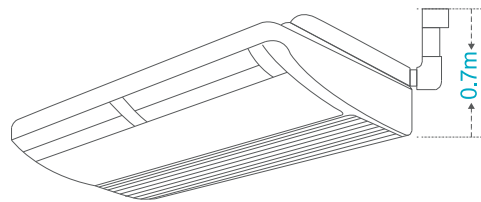
Flexible installation

According to actual project needs, choose ceiling suspended installation or floor standing installation.



Optional water pump

Water pump is optional, the pumping head is up to 700mm, helps quickly drain the condensate.



Washable air 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.



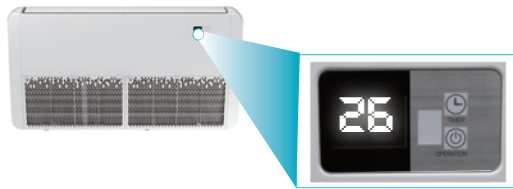
3D airflow

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



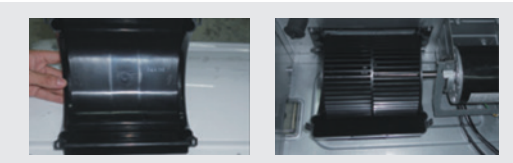
Digital display

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



Easy maintenance

New upper and lower buckle type wheel case, the upper wheel case can be removed alone, which is convenient to adjust the wheel motor.



Specification

R410A Heat Pump

Indoor unit			CUA-18HR1-C	CUA-24HR1-D	CUAT-30HR1-C	CUA-36HR1-D	CUA-36HR1-C	CUA-48HR1-C	CUA-60HR1-C
Power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity									
Cooling	Capacity	Btu/h	18000	24000	30000	36000	36000	48000	60000
		TR	1.5	2	2.5	3	3	4	5
	EER	W/W	2.70	2.78	2.80	2.69	2.56	2.66	2.68
Heating	Capacity	Btu/h	19800	26000	26000	39000	39000	52000	60000
		TR	1.7	2.2	2.2	3.3	3.3	4.3	5
	COP	W/W	3.37	3.42	3.11	2.84	2.95	2.84	2.64
Physical data									
Indoor air flow(Hi/Med/Lo)		m³/h	1200/1050/900	1200/1050/900	1700/1500/1300	1500/1300/1100	1500/1300/1100	2300/1900/1500	2300/1900/1500
Indoor noise level(Hi/Med/Lo)		dB(A)	48-52	39-48	45-52	45-52	45-52	51-57	51-57
Dimension(WxHxD)		mm	1050×675×235	1050×675×235	1300×675×235	1300×675×235	1300×675×235	1670×675×235	1670×675×235
Packing dimension(WxHxD)		mm	1130×765×330	1130×765×330	1380×770×325	1380×770×325	1380×770×325	1750×770×325	1750×770×325
Net/Gross weight		kg	25/30	26.5/31	32/37	32/37	32/37	40.5/46.5	40.5/46.5
Piping data									
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05				
Drainage pipe		mm	DN25						
Application area		m²	20-35	28-50	30-50	40-70	40-70	55-95	60-105
Stuffing quantity (Set)		40' HQ	95	95	95	70	70	60	60

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.
4.The above data may be changed without notice for future improvement on quality and performance.

R410A Cooling Only

Indoor unit			CUA-18CRI-C	CUA-24CRI-D	CUAT-30CRI-C	CUA-36CRI-D	CUA-36CRI-C	CUA-48CRI-C	CUA-60CRI-C
Power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity									
Cooling	Capacity	Btu/h	18000	24000	30000	36000	36000	48000	60000
		TR	1.5	2	2.5	3	3	4	5
	EER	W/W	2.70	2.78	2.80	2.69	2.56	2.66	2.68
Physical data									
Indoor air flow(Hi/Med/Lo)		m³/h	1200/1050/900	1200/1050/900	1700/1500/1300	1500/1300/1100	1500/1300/1100	2300/1900/1500	2300/1900/1500
Indoor noise level(Hi/Med/Lo)		dB(A)	48-52	39-48	45-52	45-52	45-52	51-57	51-57
Dimension(WxHxD)		mm	1050×675×235	1050×675×235	1300×675×235	1300×675×235	1300×675×235	1670×675×235	1670×675×235
Packing dimension(WxHxD)		mm	1130×765×330	1130×765×330	1380×770×325	1380×770×325	1380×770×325	1750×770×325	1750×770×325
Net/Gross weight		kg	25/30	26.5/31	32/37	32/37	32/37	40.5/46.5	40.5/46.5
Piping data									
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05				
Drainage pipe		mm	DN25						
Application area		m²	20-35	28-50	30-50	40-70	40-70	55-95	60-105
Stuffing quantity (Set)		40' HQ	95	95	95	70	70	60	60

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.
4.The above data may be changed without notice for future improvement on quality and performance.

Low ESP Short Ducted Unit

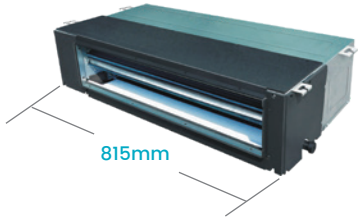
Controller



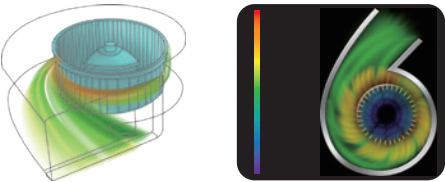
Features



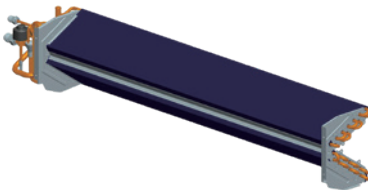
Short body
815 mm length, easy to install, low noise and light weight, suitable for hotel room.



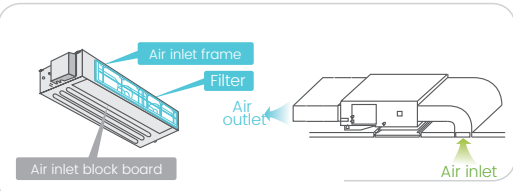
Centrifugal fan blade
Adopting aviation centrifugal fan blade with special air tunnel design, as well as fan motor anti-vibration measure, benefit to increase air flow and decrease the noise.



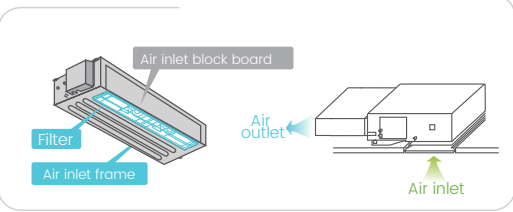
V shaped evaporator
V shaped evaporator design, increasing the heating exchanger efficiency.



Flexible installation
Air return method is optional by actual installation, from rear or from bottom.



Three fan speed
Three fan speed, meeting different requirement.



Multi protections
There are a series of protection measures to ensure the long-term stable operation of the unit, and automatic restart function also available.



Optional water pump
water pump is optional, pump head is up to 700mm, helps to the drain condensate quickly.

Specification

R410A Heat Pump

Indoor unit			CTA-12HRI	CTA-18HRI	CTA-24HRI
Power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Capacity					
Cooling	Capacity	Btu/h	12000	18000	24000
		TR	1	1.5	2
	EER	2.59	2.68	2.78	
Heating	Capacity	Btu/h	13000	20000	26000
		TR	1.1	1.7	2.2
	COP	2.86	3.45	3.42	
Physical data					
Indoor air flow(Hi)		m³/h	650	900	1100
Static pressure		Pa	0/30	0/30	0/30
Indoor noise level		dB(A)	37-46	37-46	38-48
Dimension(WxHxD)		mm	815x210x467	1015x210x467	1215x210x467
Packing(WxHxD)		mm	910x240x510	1110x240x510	1310x240x510
Net/Gross weight		kg	17.5/20.5	21/25	27/30.5
Piping data					
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.88
Drainage pipe		mm		DN25	
Application area		m²	10-20	20-35	28-50
Stuffing quantity (Set)		40' HQ	170	150	130

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.
 4.The above data may be changed without notice for future improvement on quality and performance.

R410A Cooling Only

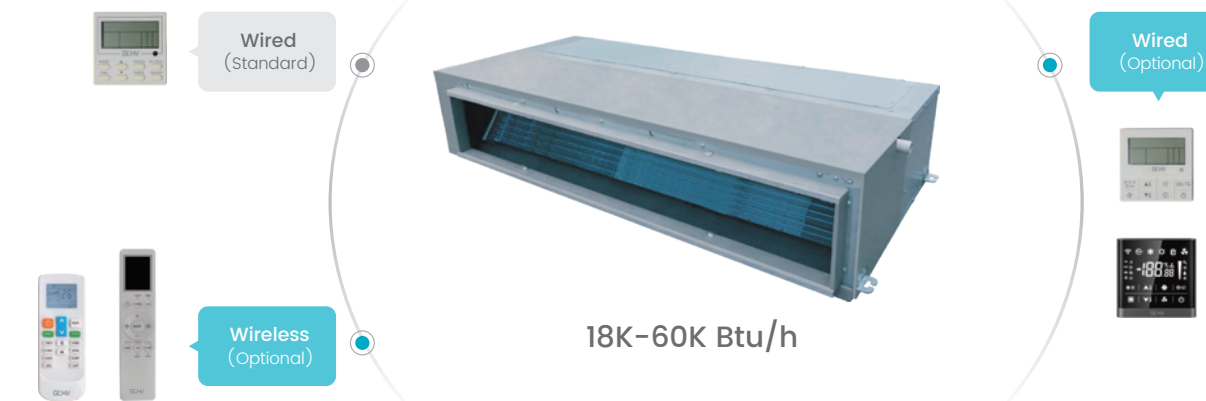
Indoor unit			CTA-18CRI-C		CTA-24CRI-C	
Power supply		V/N/Hz	220-240/1/50		220-240/1/50	
Capacity			▽		▽	
Cooling	Capacity	Btu/h	18000		24000	
		TR	1.5		2	
	EER	W/W	2.68		2.78	
Physical data			▽		▽	
Indoor air flow(Hi)		m³/h	650		1100	
Static pressure		Pa	0/30		0/30	
Indoor noise level		dB(A)	37-46		38-48	
Dimension(WxHxD)		mm	815x210x467		1215x210x467	
Packing(WxHxD)		mm	910x240x510		1310x240x510	
Net/Gross weight		kg	17.5/20.5		27/30.5	
Piping data			▽		▽	
Liquid side/Gas side		mm	Φ6.35/Φ12.7		Φ9.52/Φ15.88	
Drainage pipe		mm	DN25			
Application area		m²	10-20		28-50	
Stuffing quantity (Set)		40' HQ	170		130	

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.
 4.The above data may be changed without notice for future improvement on quality and performance.

Medium ESP Ducted Unit

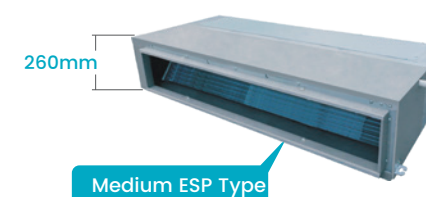
Controller



Features

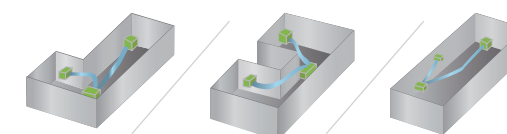


Ultra-thin body design



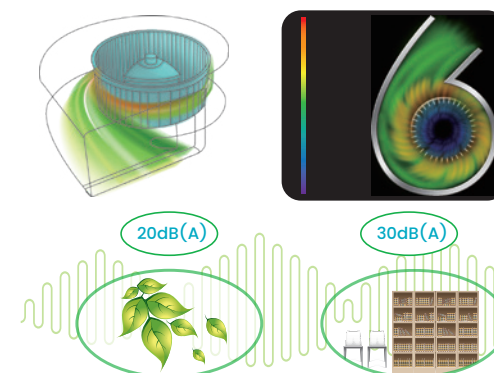
Static pressure

30Pa ESP design for the medium static pressure duct type, duct connected installation meet for different room structure (Can be customized to 70Pa ESP).



Centrifugal fan blade

Adopting aviation centrifugal fan blade with special air tunnel design, as well as fan motor anti-vibration measure, benefit to increase air flow and decrease the noise.



Three fan speed

Three fan speed, meeting different requirement.



Multi protections

There are a series of protection measures to ensure the long-term stable operation of the unit, and automatic restart function also available.



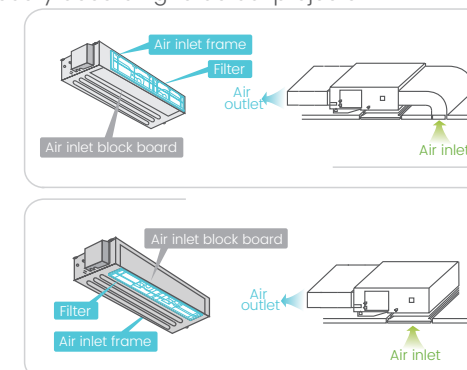
Optional filter

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.



Flexible installation

Air return from rear or from bottom could be changed easily according to actual projects.



Specification

R410A Heat Pump



Indoor unit			CTB-18HR1-C	CTB-24HR1-C	CTB-30HR1-C	CTB-36HR1-C	CTB-36HR1-D	CTB-48HR1-C	CTB-60HR1-C
Power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity			▽	▽	▽	▽	▽	▽	▽
Cooling	Capacity	Btu/h	18000	24000	30000	36000	36000	48000	60000
		TR	1.5	2	2.5	3	3	4	5
	EER	W/W	2.65	2.78	2.80	2.69(2.56)	2.69	2.62	2.65
Heating	Capacity	Btu/h	19800	26000	32000	39000	39000	52000	60000
		TR	1.7	2.2	2.7	3.3	3.3	4.3	5
	COP	W/W	3.24	3.42	3.11	2.84(2.95)	2.84	2.79	2.61
Physical data			▽	▽	▽	▽	▽	▽	▽
Indoor air flow		m³/h	900	1200	1800	1500	1500	2000	2000
Static pressure		Pa	30-80	30-70	30-70	30-70	30-70	30-70	30-70
Indoor noise level(Hi/Med/Lo)		dB(A)	48/44/40	48/44/40	50/45/40	48/44/40	50/45/40	50/45/40	50/45/40
Dimension(WxHxD)		mm	1190x260x643	1190x260x643	1190x260x643	1190x260x643	1425x260x643	1425x260x643	1425x260x643
Packing dimension(WxHxD)		mm	1255x325x720	1255x325x720	1255x325x720	1255x325x720	1490x325x720	1490x325x720	1490x325x720
Net/Gross weight		kg	32/36	33/37	32/36	33/37	44/48	44/48	44/48
Piping data			▽	▽	▽	▽	▽	▽	▽
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe		mm	DN25						
Application area		m²	20-35	28-50	30-50	40-70	40-70	55-95	60-105
Stuffing quantity (Set)		40' HQ	100	100	100	100	70	60	60

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.
4.The above data may be changed without notice for future improvement on quality and performance.

R410A Cooling Only



Indoor unit			CTB-18CRI-C	CTB-24CRI-C	CTB-30CRI-C	CTB-36CRI-C	CTB-36CRI-D	CTB-48CRI-C	CTB-60CRI-C
Power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity			▽	▽	▽	▽	▽	▽	▽
Cooling	Capacity	Btu/h	18000	24000	30000	36000	36000	48000	60000
		TR	1.5	2	2.5	3	3	4	5
	EER	W/W	2.65	2.68	2.80	2.69 (2.56)	2.69	2.62	2.65
Physical data			▽	▽	▽	▽	▽	▽	▽
Indoor air flow(Hi/Med/Lo)		m³/h	900/750/640	1200/980/720	1800/1600/1450	1500/1150/960	1900/1600/1300	2000/1700/1400	2000/1700/1400
Static pressure		Pa	30-80	30-70	30-70	30-70	30-70	30-70	30-70
Indoor noise level(Hi/Med/Lo)		dB(A)	48/44/40	48/44/40	50/45/40	47/44/40	50/45/40	50/45/40	50/45/40
Dimension(WxHxD)		mm	1190×260×643	1190×260×643	1190×260×643	1190×260×643	1425x260x643	1425x260x643	1425x260x643
Packing dimension(WxHxD)		mm	1255×325×720	1255×325×720	1255×325×720	1255×325×720	1490x325x720	1490x325x720	1490x325x720
Net/Gross weight		kg	33/36	32/36	32/36	33/37	44/48	46/50	46/50
Piping data			▽	▽	▽	▽	▽	▽	▽
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe		mm	DN25						
Application area		m²	20-35	28-50	30-50	40-70	40-70	55-95	60-105
Stuffing quantity (Set)		40' HQ	100	100	100	70	60	60	60

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.
4.The above data may be changed without notice for future improvement on quality and performance.

High ESP Ducted Type Unit

Controller



Wired
(Standard)



Wireless
(Optional)



48K-60K Btu/h

Wired
(Optional)

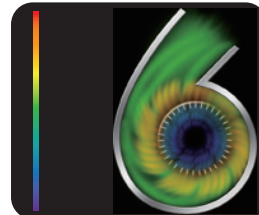
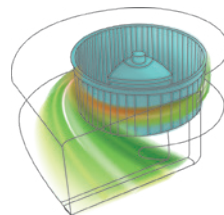


Features



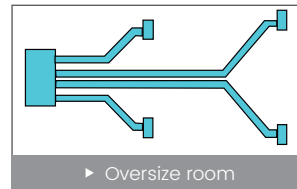
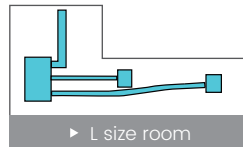
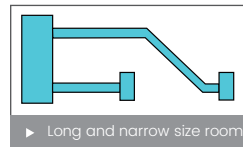
Centrifugal fan blade

Adopting aviation centrifugal fan blade with special air tunnel design, as well as fan motor anti-vibration measure, benefit to increase air flow and decrease the noise.



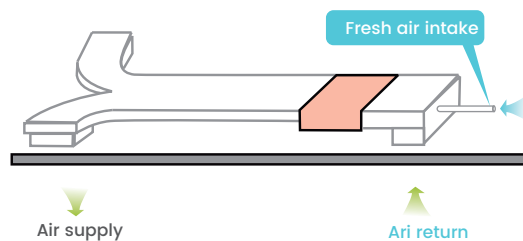
Static pressure

120Pa ESP is standard, it is suitable for long distance air supply and flexible air duct installation, especially for different irregular size room.



Fresh air intake

Install a duct to outside in the air return side, realize the fresh air intake and keep room air fresh.



Optional 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.



Optional water pump

In order to discharge condensate water quickly, water pump is optional.



Multi protections

There are a series of protection measures to ensure the long-term stable operation of the unit, and automatic restart function also available.

Specification

R410A Heat Pump

Indoor unit			CTH-48HRI-C	CTH-60HRI-C
Power supply			V/N/Hz	V/N/Hz
Capacity			220-240/1/50	220-240/1/50
Cooling	Capacity	Btu/h	48000	60000
		TR	4	5
	EER	W/W	2.55	2.58
Heating	Capacity	Btu/h	52000	60000
		TR	4.3	5
	COP	W/W	2.71	2.54
Physical data				
Indoor air flow(Hi/Med/Lo)			m³/h	2300/1900/1500
Static pressure			Pa	120
Indoor noise level(Hi/Med/Lo)			dB(A)	52/48/44
Dimension(WxHxD)			mm	1175x370x625
Packing dimension(WxHxD)			mm	1245x445x655
Net/Gross weight			kg	45/49
Piping data				
Liquid side/Gas side			mm	Φ9.52/Φ19.05
Drainage pipe			mm	DN25
Application area			m²	55-95
Stuffing quantity (Set)			40' HQ	57

R410A Cooling Only

Indoor unit			CTH-48CRI-C	CTH-60CRI-C
Power supply			V/N/Hz	V/N/Hz
Capacity			220-240/1/50	220-240/1/50
Cooling	Capacity	Btu/h	48000	60000
		TR	4	5
	EER	W/W	2.55	2.58
Physical data				
Indoor air flow(Hi/Med/Lo)			m³/h	2300/1900/1500
Static pressure			Pa	120
Indoor noise level(Hi/Med/Lo)			dB(A)	52/48/44
Dimension(WxHxD)			mm	1175x370x625
Packing dimension(WxHxD)			mm	1245x445x655
Net/Gross weight			kg	45/49
Piping data				
Liquid side/Gas side			mm	Φ9.52/Φ19.05
Drainage pipe			mm	DN25
Application area			m²	55-95
Stuffing quantity (Set)			40' HQ	57

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.
4.The above data may be changed without notice for future improvement on quality and performance.

Floor-standing Unit

Controller

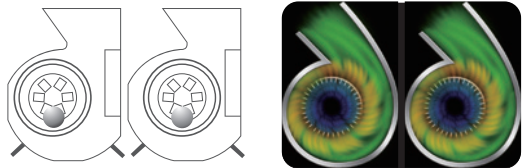


Features



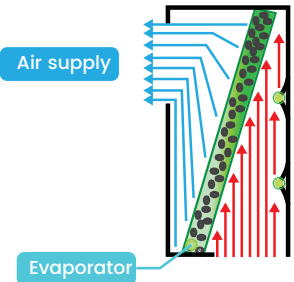
Centrifugal fan blade

Centrifugal fan blade, double CFD technology design, increasing air flow and decreasing noise level.



High efficiency

New air flow system, larger heat-exchanging area, higher efficiency.



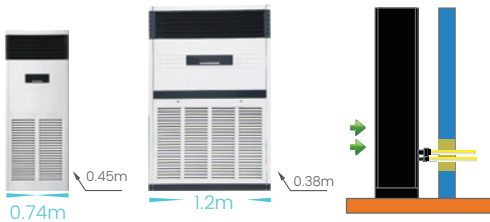
Large airflow

Strong wind for horizontal air flow, supplying long distance, providing a stable and comfortable environment.



Slim body

Convenient to install and maintain.



“ECO” key

Pressuring to stop one system when indoor temperature down to setting value, saving energy and keeping comfortable. (Red panel is optional).



Specification

R410a Floor Standing Unit

Model			CFA-53HRI	CFA-53CRI	CFA-70HRI	CFA-70CRI	CFAi-96HRI-BC	CFAi-96HRI-C	CFAi-96CRI
Power supply			V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Cooling	Capacity	Btu/h	53000	53000	70000	70000	96000	96000	96000
	Input	kW	300	300	350	350	740	740	740
Heating	Capacity	Btu/h	61000	/	77000	/	105000	105000	/
	Input	kW	300	/	350	/	740	740	/
Indoor air flow			m³/h	2200/1950/1700	2200/1950/1700	2500/1950/1700	2500/1950/1700	4000/3600/3200	4000/3600/3200
Indoor noise level			dB(A)	48/44/40	48/44/40	52/44/40	52/44/40	55/50/45	55/50/45
Indoor unit	Dimension (WxHxD)	mm	742x1802x450	742x1802x450	742x1802x450	742x1802x450	1200x1850x380	1200x1850x380	1200x1850x380
	Packing (WxHxD)	mm	772x1927x540	772x1927x540	772x1927x540	772x1927x540	1260x1970x400	1260x1970x400	1260x1970x400
	Net/Gross weight	kg	82/89.5	82/89.5	96/98	96/98	130/143	130/143	130/143
Refrigerant liquid/gas side piping			mm	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	(Φ9.52/Φ19.05)x2	(Φ9.52/Φ19.05)x2

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

Controller

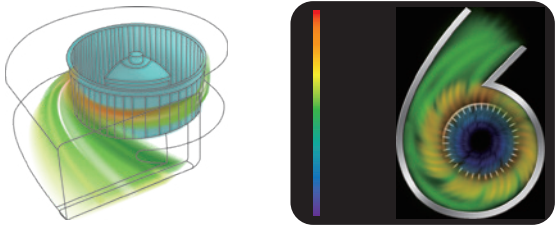


Features



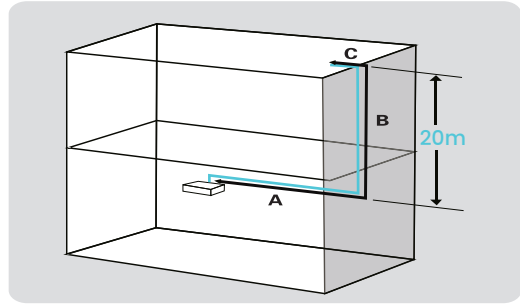
Centrifugal fan blade

Centrifugal fan blade, double CFD technology design, increasing air flow and decreasing noise level.



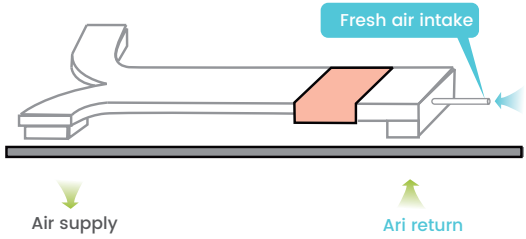
Refrigerant piping

Max. refrigerant pipe length is 50m, Max. Difference in height is 20m.



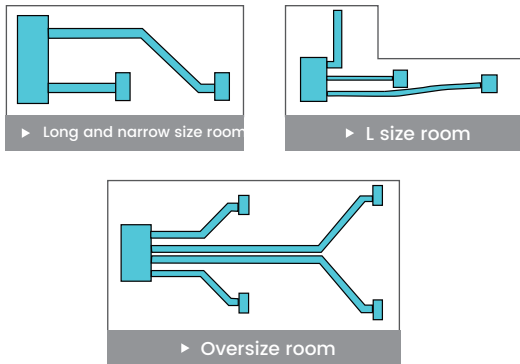
Fresh air intake

Install a duct to outside in the air return side, taking fresh air, more healthy and comfortable.



Static pressure

120Pa ESP is standard, it is suitable for long distance air supply and flexible air duct installation, especially for different irregular size room.



Multi protections

There are a series of protection measures to ensure the long-term stable operation of the unit.

Specification

R410a Ducted Unit

Model			CTHi-96HR1	CTHi-96HR1	CTHi-96CR1	CTHi-150HR1	CTHi-192HZR1
Power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Cooling	Capacity	Btu/h	96000	96000	96000	150000	191000
	Input	W	1200	1200	1200	3000	3200
Heating	Capacity	Btu/h	105000	105000	/	168000	210000
	Input	W	1200	1200	/	3000	3200
Indoor air flow(Hi/Mi/Lo)		m³/h	4400	4400	4400	8500	10000
Static pressure		Pa	120	120	120	150	200
Indoor noise level(Hi/Mi/Lo)		dB(A)	45-55	45-55	45-55	65	65
Indoor unit	Dimension(WxHxD)	mm	1440x448x811	1440x448x811	1440x448x811	2165x676x916	2165x676x916
	Packing(WxHxD)	mm	1510x580x870	1510x580x870	1510x580x870	2267x840x1050	2267x840x1050
	Net/Gross weight	kg	100/104	100/111	100/104	220/260	220/260
Refrigerant liquid/gas side piping		mm	(Φ9.52/Φ19.05)x2	Φ12.7/Φ22	(Φ9.52/Φ19.05)x2	(Φ12.7/Φ22)x2	(Φ12.7/Φ22)x2

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.
 4.The above data may be changed without notice for future improvement on quality and performance.

Compressor Condensing Unit (CCU)

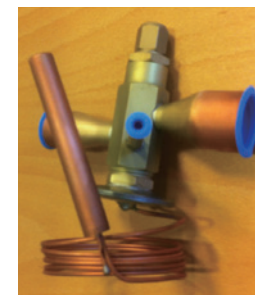


Features



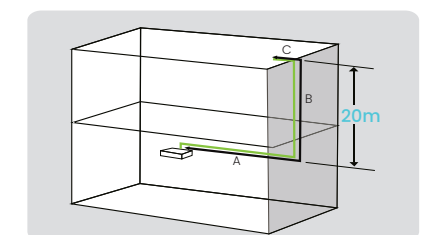
Throttle part

Using thermal expansion valve as the throttling part to connect indoor and outdoor, has a wide adjustable range .



Refrigerant piping

Long piping design, Max. refrigerant pipe length is 50m, Max. difference in height is 20m (For 28kw, 45kw unit).



Wide applicability

It can connect to other brand indoor unit or AHU, and convenient for customers to stock up and for refurbishment projects.



Low ambient kit

Low ambient kit for optional, which can realize the unit operate when outside ambient temperature is -5 degree.



Wide operation range

It could realize cooling at an ambient temperature of 18-50 degrees, which is suitable for most projects worldwide.



New VRF case

A brand-new VRF case suitable for 96/120/150k Btu/h units, with a brand-new stylish appearance design and a sturdy structure. The case has the same height and depth, and it will be more beautiful after installation.



Specification

R410a Cooling Only

Outdoor unit			COU-12CR1-A01	COU-18CR1-A02	COU-24CR1-C02	COU-36CR1-D02	COU-48CZRI-050	COU-60CZRI-050	COU-96CZRI-A	COU-150CZRI-A
Power supply(V/N/Hz)			220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Capacity			▽	▽	▽	▽	▽	▽	▽	▽
Cooling	Capacity	Btu/h	12000	18000	24000	36000	48000	60000	96000	150000
	Input	kW	3.5	5.3	7.1	10.5	14	16	28	45
	Rated Current	A	1290	1900	2400	3600	5000	5700	9400	14600
Physical data			▽	▽	▽	▽	▽	▽	▽	▽
Max. input consumption		W	1610	2500	3300	4900	6000	6600	13000	18000
Max. Current		A	8.70	12.6	18.1	26.5	10.5	11.8	24.3	33.6
Compressor	Type		Rotary	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll
	Brand		LANDA	HIGHLY	LANDA	LANDA	Panasonic	Panasonic	Panasonic	Panasonic
	Num		1	1	1	1	1	1	2	1
Motor fan speed		r/min	890	890	890	820	780	780	840	920
Outdoor air flow		m³/h	2300	2300	3300	4000	6000	6000	12000	18000
Outdoor noise level		dB(A)	55	55	57	58	60	60	63	65
Dimension(WxHxD)		mm	850x555x345	850x555x345	914×702×382	1015×810×445	911x1330x400	911x1330x400	974x1618x766	1264x1618x766
Packing dimension(WxHxD)		mm	915x600x380	915x600x380	975x770x435	1075×890x495	964x1445x402	964x1445x402	1030x1750x825	1315x1750x825
Net/Gross weight		kg	31/33	36/38.5	48/51	63/68	80/89	87.5/97.5	194/200	234/241
Refrigerant type/Quantity		g	R410A/800	R410A/900	R410A/1400	R410A/2300	R410A/2700	R410A/2500	R410A/9500	R410A/12000
Design pressure		Mpa	4.5/1.6	4.0/1.2	4.5/1.5	4.9/1.5	4.5/1.6	4.5/1.6	4.0/1.2	4.0/1.2
Piping data			▽	▽	▽	▽	▽	▽	▽	▽
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ12.7/Φ25.4	Φ15.88/Φ32
Max. pipe length		m	15	15	20	20	20	20	50	50
Max. high drop		m	8	8	10	10	10	10	20	20

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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• Rooftop Package Unit



Features

- High efficiency**
World famous Scroll compressor with quick reactivity and operation stable. Compressor staging is controlled directly by the control temperature, high EER.
- Fresh air inlet**
Fresh air inlet is available.
- Flexible installation**
It could be installed on rooftop or on ground according to actual project demand.
- Easy maintenance**
Provide easy access to system components for maintenance and service.

Specification

Model type		CRS-036HZRI-W	CRS-048HZRI-W	CRS-060HZRI-W	CRB-200CZRI-W	CRB-200HZRI-W	CRB-250CZRI-W	CRB-250HZRI-W
Capacity	Cooling(Btu/h)	36000	48000	55000	240000	240000	300000	300000
	Heating(Btu/h)	37800	50400	57750	/	256000	/	314000
EER		11.0	10.0	10.0	10.2	10.2	10.2	10.2
Dimensions		LxWxH	1130x754x825	1130x754x825	1130x754x825	2750x2157x1245	2750x2157x1245	2750x2157x1245
Net weight: KG		130	140	140	950	950	980	980
Outdoor fan	Drive type	Direct	Direct	Direct	Direct	Direct	Direct	Direct
	Quantity speeds	1	1	1	1	1	1	1
	Quantity motors/Power(kW)	1/0.23	1/0.23	1/0.23	2/1.1	2/1.1	2/1.5	2/1.5
	Motor RPM	920	920	920	835	835	1130	1130
Indoor fan	Total nominal CFM	2400	3300	3300	14000	14000	16765	16765
	Drive type	Direct	Direct	Direct	Belt	Belt	Belt	Belt
	Quantity speeds	2	2	2	Variable sheave	Variable sheave	Variable sheave	Variable sheave
	Quantity motors/Power(kW)	1/0.35	1/0.35	1/0.35	1/5.5	1/5.5	1/7.5	1/7.5
	Motor RPM	995	995	995	1670	1670	1670	1670
	Total nominal CFM	1450	1450	1450	7800	7800	10200	10200

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.
4.The above data may be changed without notice for future improvement on quality and performance.

• Controller



Wireless controller

- Wireless 8m transmission
- 5 Operation modes: Auto, Cooling, Dehumidification, Heating, Fan
- Timer ON/OFF setting up to 24Hr
- Temperature control range 16-32°C
- Three fan speed selection
- Sleep mode function

Wired controller

- LCD display
- 5-8 m wire length
- 5 Operation modes: Auto, Cool, Dehumidification, Heat, Fan
- Timer ON/OFF setting up to 24Hr
- Temperature control range 16-32°C
- Three fan speed selection



Central controller

- Additional PCB installed in indoor part for optional, which can realize remote ON/OFF and group control. One group controller can connect max 64 systems.

