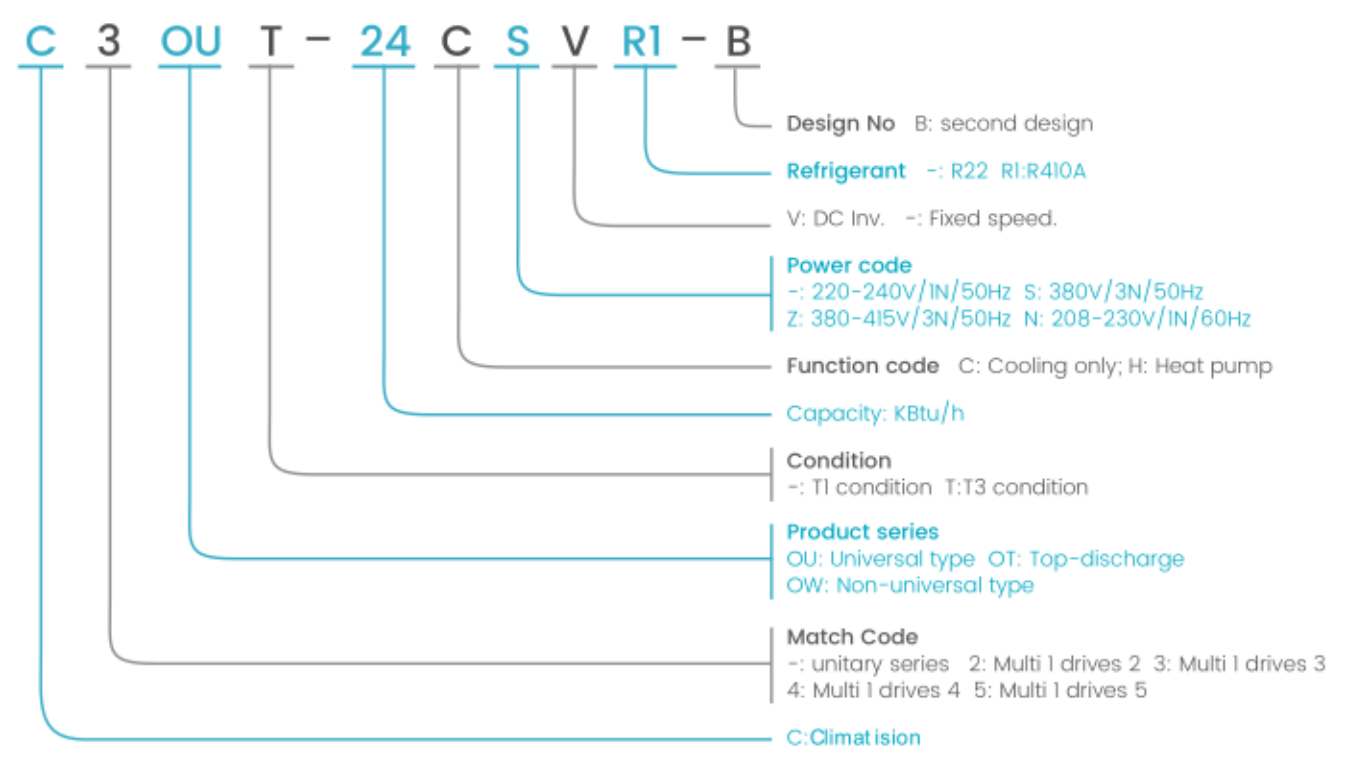
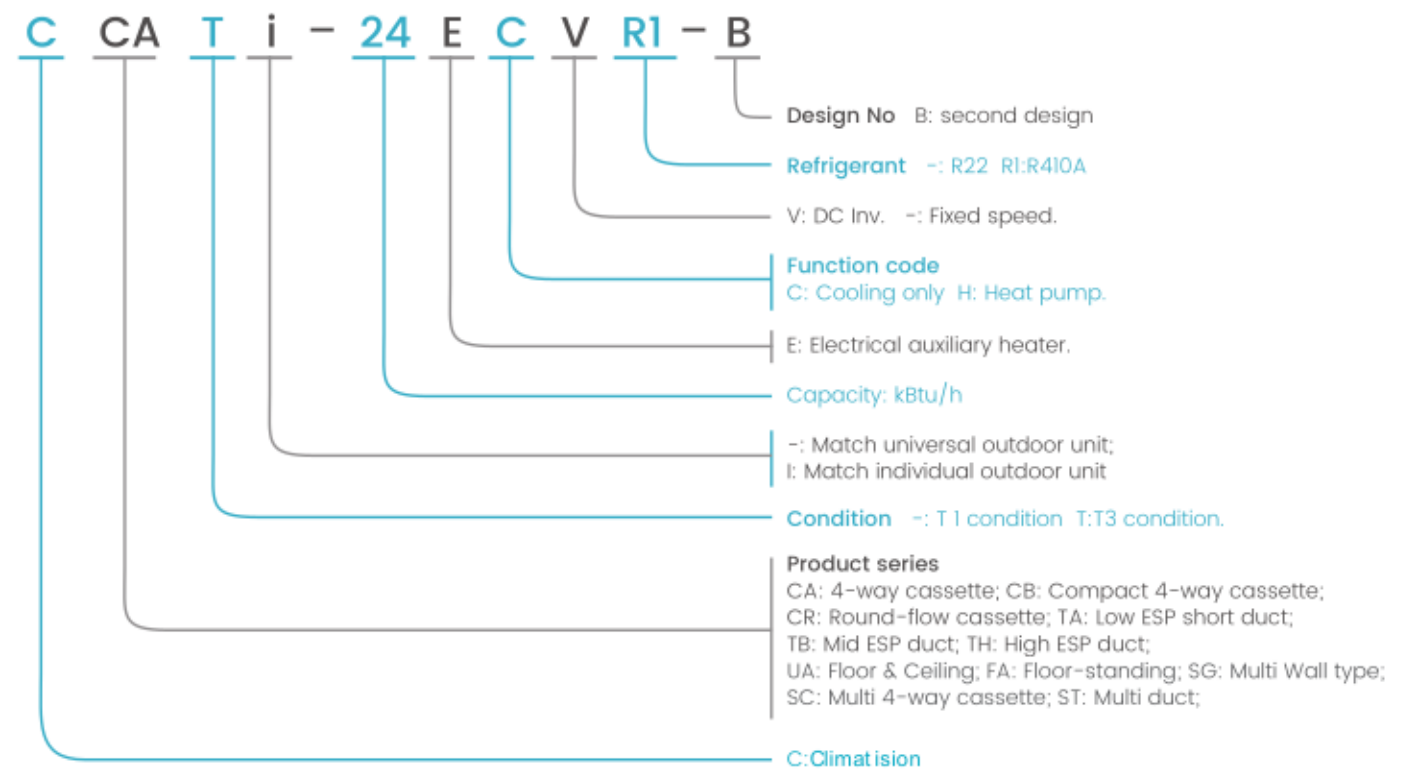


ON/OFF Light Commercial Universal Outdoor Unit



How To Read The Model



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

Indoor unit			CUA-18HRI-C	CUA-24HRI-D	CUAT-30HRI-C	CUA-36HRI-D	CUA-36HRI-C	CUA-48HRI-C	CUA-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									
Cooling	Capacity	Btu/h	18000	24000	30000	36000	36000	48000	60000
		TR	1.5	2	2.5	3	3	4	5
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	3.37	3.42	3.11	2.84	2.95	2.84	2.64
Physical data									
Indoor air flow (Hi/Med/Lo)		m ³ /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	DN25			Φ9.52/Φ19.05	
Drainage pipe		mm	DN25						
Application area		m ²	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
Capacity									
Cooling	Capacity	Btu/h	18000	24000	30000	36000	36000	48000	60000
		TR	1.5	2	2.5	3	3	4	5
Cooling	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)		m ³ /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	DN25			Φ9.52/Φ19.05	
Drainage pipe		mm	DN25						
Application area		m ²	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;
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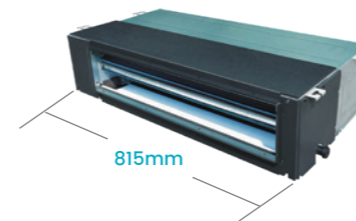
Low ESP Short Ducted Unit

Controller

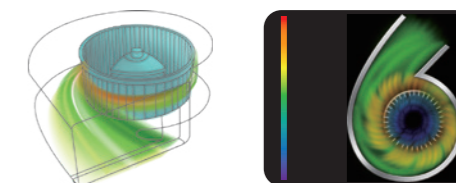


Features

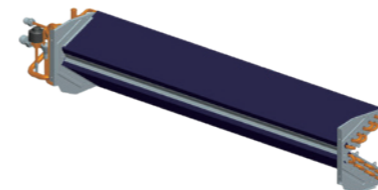
Short body
 815 mm length, easy to install, low noise and light weight, suitable for hotel room.



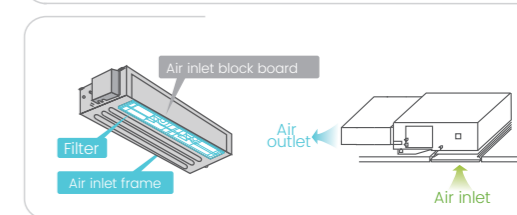
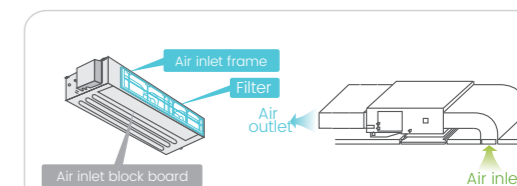
Centrifugal fan blade
 Adopting aviation centrifugal fan blade with special air tunnel design, as well as fan motor anti-vibration measure, benefit to increase air flow and decrease the noise.



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-12HR1	CTA-18HR1	CTA-24HR1
Power supply			220-240/1/50		
Capacity					
Cooling	Capacity	Btu/h	12000	18000	24000
		TR	1	1.5	2
	EER	W/W	2.59	2.68	2.78
Heating	Capacity	Btu/h	13000	20000	26000
		TR	1.1	1.7	2.2
	COP	W/W	2.86	3.45	3.42
Physical data					
Indoor air flow (Hi)		m ³ /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		m ²	10-20	20-35	28-50
Stuffing quantity (Set)		40' HQ	170	150	130

Note

- 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;
- The heating condition: indoor side 20°C (68°F) DB, 15°C (44.6°F) WB, outdoor side 7°C (42.8°F) DB
- 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.
- The above data may be changed without notice for future improvement on quality and performance.

R410A Cooling Only

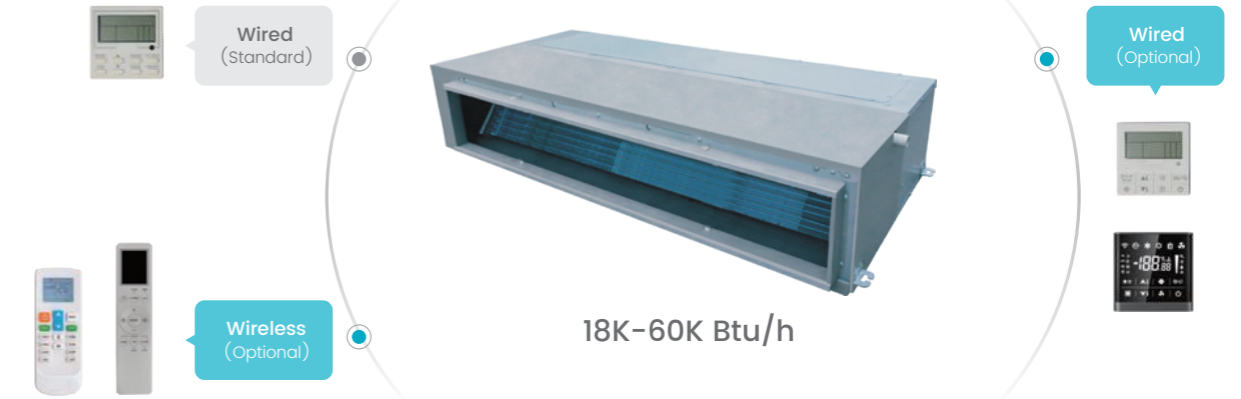
Indoor unit			CTA-18CR1-C	CTA-24CR1-C
Power supply			220-240/1/50	
Capacity				
Cooling	Capacity	Btu/h	18000	24000
		TR	1.5	2
	EER	W/W	2.68	2.78
Physical data				
Indoor air flow (Hi)		m ³ /h	650	1100
Static pressure		Pa	0/30	0/30
Indoor noise level		dB(A)	37-46	38-48
Dimension (WxHxD)		mm	815x210x467	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		m ²	10-20	28-50
Stuffing quantity (Set)		40' HQ	170	130

Note

- 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;
- The heating condition: indoor side 20°C (68°F) DB, 15°C (44.6°F) WB, outdoor side 7°C (42.8°F) DB
- 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.
- The above data may be changed without notice for future improvement on quality and performance.

Medium ESP Ducted Unit

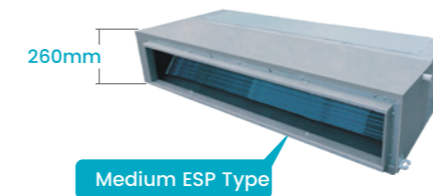
Controller



18K-60K Btu/h

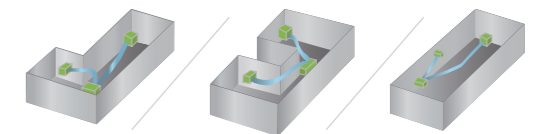
Features

Ultra-thin body design



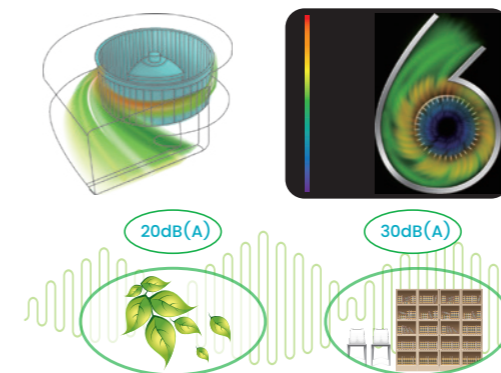
Static pressure

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



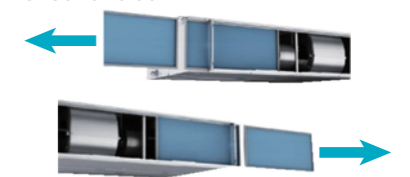
Centrifugal fan blade

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.



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.



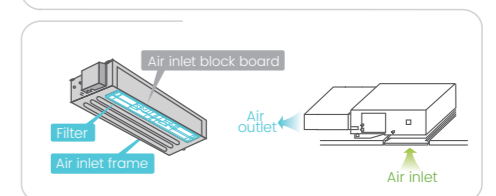
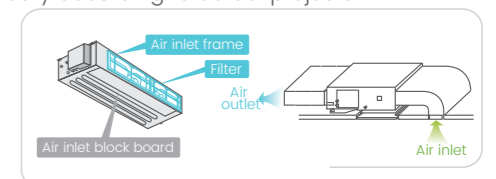
Three fan speed

Three fan speed, meeting different requirement.



Flexible installation

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



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.