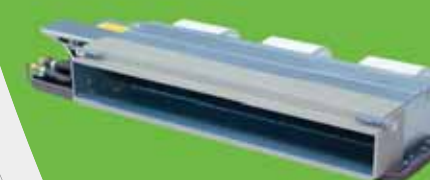




50Hz Light Commercial

Air Conditioner 2013



RAMIN HEATING & VENTILATION EQUIPMENT CO. LTD

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Note: All the data in this book may be changed without notice for further improvement on quality and performance.



Company Introduction

Chigo Group

GUANGDONG CHIGO AIR CONDITIONING CO., LTD. (Listing members of the Group, Stock Code: 449.HK) established in 1994 and located in a famous Chinese industrial city Foshan. We are a big modern enterprise and mainly engage in designing, R&D, manufacturing AC as well as distributing AC domestically and internationally.

As a leading enterprise in Chinese AC industry, CHIGO's designed annual output is 10 million sets, which includes complete series of AC products. We are one of the biggest AC enterprises which have the most complete refrigeration industrial chain. All-in-one production strategy can meet with the diversity of global market demand and render CHIGO to keep fast development speed over many years.

Till today, CHIGO air conditioners won varies strict certification in all important market, including the ISO9001 Quality System Authentication, the ISO14000 Environmental Management System Authentication, China Inspection-free Product Certificate, China Energy-saving Product Certificate, China Compulsory Certificate (CCC), UL certificate of the USA, CE certificate of EU, GS certificate of German, SAA safety certificate of Australia, etc. We also won the award of "Global Green Environment-Protection Energy-Saving Air-conditioning" from United Nations.



The Synopsis of Chigo Central Air-conditioning

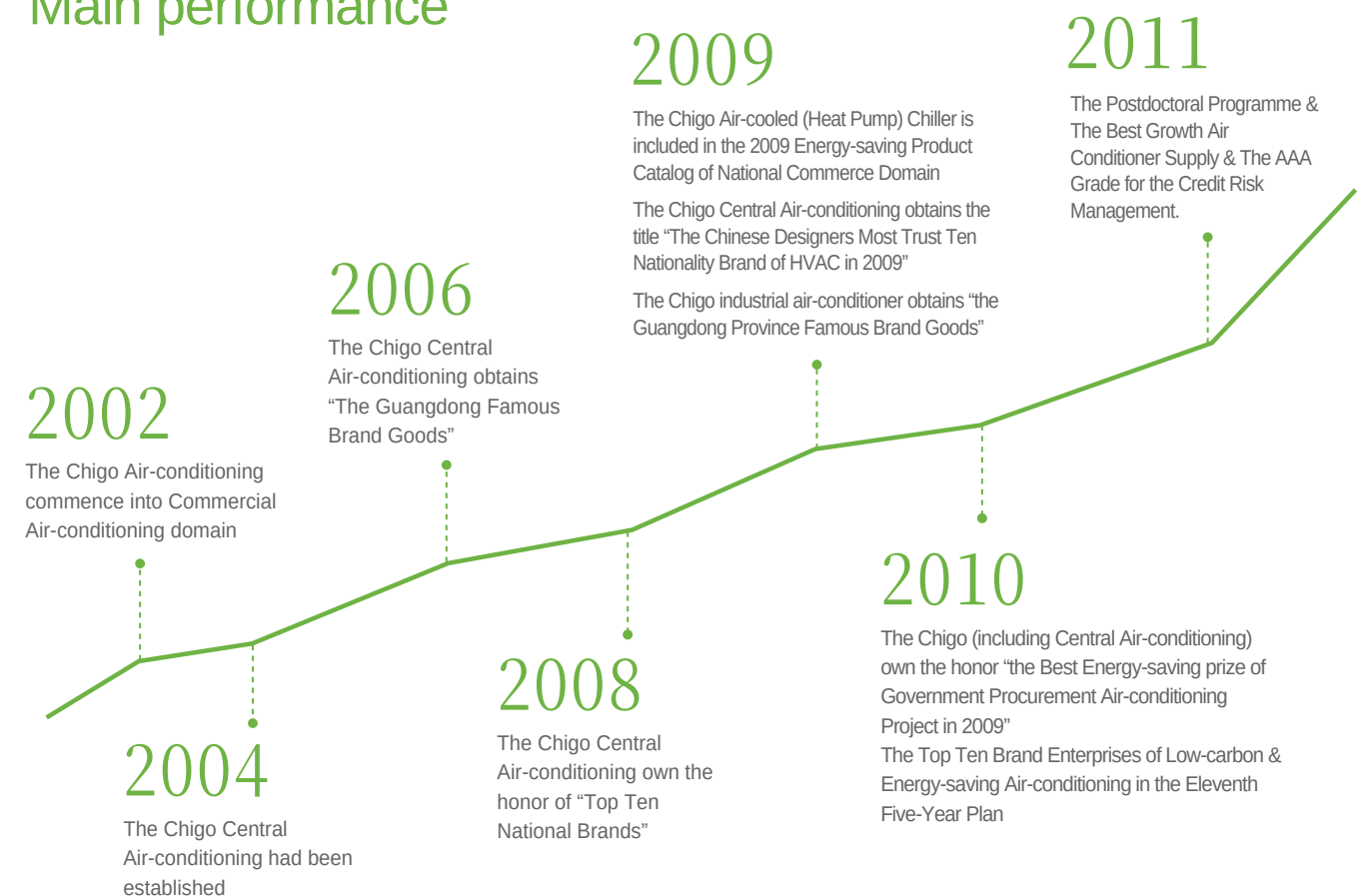
Chigo Central Air-conditioning established in 2002, which belongs to GUANGDONG CHIGO AIR CONDITIONING CO.,LTD, a professional Central AC equipment manufacturing and supplying enterprises, with a net of R&D, production,manufac - turing, sales, design, installation and service.

more than 150 countries and regions all over the world, and set agencies at 31 provinces in China. It has many senior engineers to provide professional design and appropriate service for customers.

To "Be Professional Central Air-conditioning Supplier", Chigo Central Air-conditioning dedicate to research,design,manuf-acture and sale Central Air-conditioning. During 8 years developing, it has formed an annual production capacity of 600,000 sets, and become the most complete refrigeration industrial chain in China. All-in-one Production strategy can meet the various market demand and enable CHIGO to be the biggest scale, the width product line, the most complete product series central air-conditioning enterprise in China. Chigo Central Air-conditioning marketing net have covered



Main performance



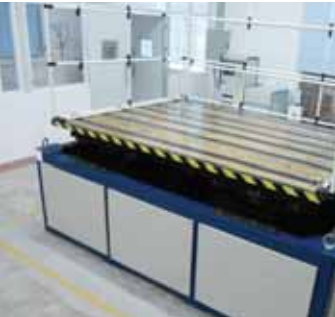
Profile of Testing Center

The Testing Center is a comprehensive, multi-functional laboratory, mainly used to engage residential and commercial air-conditioner's performance, safety, reliability and authentication testing. It takes 6000 square meters, 50 million RMB permanent assets.

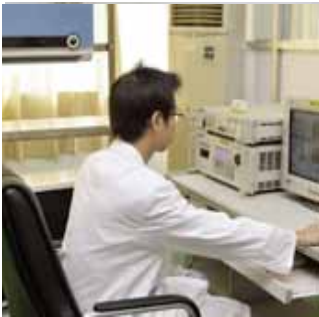
It has 9 Air-enthalpy Labs, 3 Condition operating labs, 1 Noise Testing Lab, 2 Long-term Operating Labs, Security Structure Analysis Lab, Air Volume Lab; and labs in planning, EMC, Wet State, Thermal Equilibrium, Capacity Testing and so on.



Chinese Energy Efficiency Label
Management Center's Verification.



15 Engineers,
all had got
professional
training before
commencement.



World-class
Professional HR.



Long-term
Cooperation with
Professional
Certification Test
Organization.



Denmark B&K
3560 Acousitics
and Vibration
Noise Test
Analysis System.



Directory

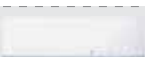
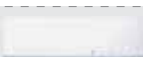
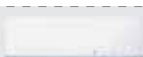
- ▶ **Contents**.....01
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Contents

Light Commercial

Capacity(Btu/h)	12,000	18,000	24,000	36,000	48,000	60,000	70,000	96,000
Compact 4-way Cassette Unit								
4-way Cassette Unit								
Floor-ceiling Unit								
Low ESP Ducted Unit								
Medium ESP Ducted Unit								
High ESP Ducted Unit								
Floor-ceiling Unit								
96K&110K Btu/h High ESP Ducted Unit								
Outdoor Unit	 (R22 Only)							

Multi Split

Capacity(Btu/h)	7,000	9,000	12,000	14,000	18,000	21,000	27,000
Wall-mounted Panel code:84#							
Wall-mounted Panel code:87#							
Wall-mounted Panel code:103#							
Wall-mounted Panel code:107#							
Outdoor Unit (1 drives 2)							
Outdoor Unit (1 drives 3)							

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

- Design No B: second design
- Refrigerant -: R22; R1:R410A
- V: DC Inv. -: Fixed speed.
- Function code C: Cooling only; H: Heat pump.
- E: Electrical auxiliary heater.
- Capacity,unit: kBtu/h
- : Match universal outdoor unit; i: match individual outdoor unit
- Working Condition -: T1 condition; T:T3 condition.
- Product series CA: 4-way cassette; CB: Compact 4-way Cassette; TA: Low ESP Duct; TB: Mid ESP Duct; TH: High ESP Duct; UA: Floor & Ceiling; SG: Multi Wall type; SC: Multi 4-way Cassette; ST:Multi Duct.
- C:Chigo HVAC

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

- Design No B: second design
- Refrigerant -: R22; R1:R410A
- V: DC Inv. -: Fixed speed.
- Power Code -: 220-240V/1Ph/50Hz; S: 380V/3Ph/50HZ.
- Function code C: Cooling only; H: heat pump
- Capacity,unit: kBtu/h
- Working Condition -: T1 condition; T:T3 condition.
- Product series OU: Universal type. OT: Top-discharge; OW: Non-universal typ
- Match Code -: unitary series; 2: Multi 1 drives2; 3: Multi 1 drives 3;
- C:Chigo HVAC

Light Commercial Universal Outdoor Unit



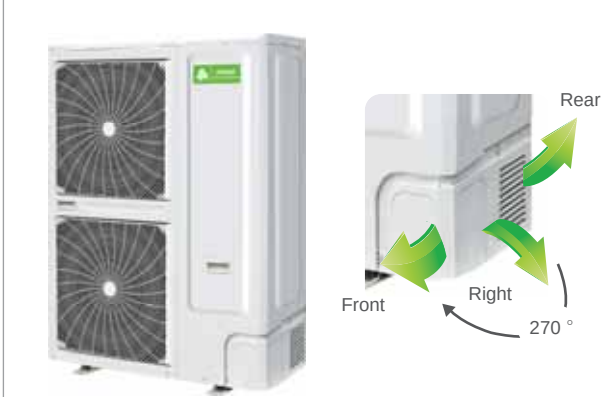
Features:

1 Famous scroll compressor with quick reactivity, stronger power and operation stable. Anti-attenuation design and better low-temperature heating performance.



2 Brand-new outdoor unit design, multi-direction piping connection meet different requirement, convenient installation.

3 Environment friend refrigerant R410A.



R410A Heating Pump

Outdoor unit			COU-18HR1	COU-24HR1	COU-36HR1	COU-36HSR1	COU-48HSR1	COU-60HSR1
Power supply	V/Hz/Ph		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	36000	36000	48000	60000
		KW	5.3	7.1	10.5	10.5	14	16
	Input	W	1900	2400	3710	3800	5000	5700
Heating	Rated current	A	8.64	10.91	16.86	6.79	8.94	10.19
	Capacity	Btu/h	19800	26400	39600	39600	52800	66000
		KW	5.8	7.8	11.5	11.5	15.4	16.6
Heating	Input	W	1690	2100	3310	3600	5100	5800
	Rated current	A	7.68	9.55	15.05	6.44	9.12	10.37
Physical data								
Max. input consumption	W		2500	2700	4800	4900	6000	6600
Max. current	A		11.36	12.27	21.82	8.76	10.73	11.8
Starting current	A		40	49	112	48	66	70
Compressor	Type		Rotary	Rotary	Scroll	Scroll	Scroll	Scroll
	Brand		Hitachi	Hitachi	Sanyo	Sanyo	Sanyo	Sanyo
Outdoor air flow	m³/h		2800	3800	6000	6000	6100	6100
Outdoor noise level	dB(A)		53	65	65	65	60	60
Dimension(WxHxD)	mm		866×535×304	930×700×370	1070×995×400	1070×995×400	911×1335×400	911×1335×400
Packing dimension(WxHxD)	mm		920×585×335	990×770×410	1145×1120×475	1145×1120×475	964×1445×475	964×1445×475
Net/Gross weight	kg		49/51	58/61	92/100	92/100	96/107	96/107
Refrigerant type/quantity	g		R410A/1200	R410A/1800	R410A/2100	R410A/2100	R410A/3600	R410A/4000
Design pressure	MPa		4.2	4.2	4.2	4.2	4.2	4.2
Piping data								
Liquid side/Gas side	mm		φ6.35/φ12.7	φ9.52/φ15.88	φ9.52/φ19.05	φ9.52/φ19.05	φ9.52/φ19.05	φ9.52/φ19.05
Max. pipe length	m		20	20	20	20	20	20
Max. high drop	m		10	10	10	10	10	10

R410A Cooling Only

Outdoor unit			COU-18CR1	COU-24CR1	COU-36CR1	COU-36CSR1	COU-48CSR1	COU-60CSR1
Power supply	V/Hz/Ph		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	36000	36000	48000	60000
		KW	5.3	7.1	10.5	10.5	14	16
	Input	W	1900	2400	3710	3800	5000	5700
Heating	Rated current	A	8.64	10.91	16.86	6.79	8.94	10.19
	Capacity	Btu/h	19800	26400	39600	39600	52800	66000
		KW	5.8	7.8	11.5	11.5	15.4	16.6
Heating	Input	W	1690	2100	3310	3600	5100	5800
	Rated current	A	7.68	9.55	15.05	6.44	9.12	10.37
Physical data								
Max. input consumption	W		2500	2700	4800	4900	6000	6600
Max. current	A		11.36	12.27	21.82	8.76	10.73	11.8
Starting current	A		40	49	112	48	66	70
Compressor	Type		Rotary	Rotary	Scroll	Scroll	Scroll	Scroll
	Brand		Hitachi	Hitachi	Sanyo	Sanyo	Sanyo	Sanyo
Outdoor air flow	m³/h		2800	3800	6000	6000	6100	6100
Outdoor noise level	dB(A)		53	65	65	65	60	60
Dimension(WxHxD)	mm		866×535×304	930×700×370	1070×995×400	1070×995×400	911×1335×400	911×1335×400
Packing dimension(WxHxD)	mm		920×585×335	990×770×410	1145×1120×475	1145×1120×475	964×1445×475	964×1445×475
Net/Gross weight	kg		48/50	57/60	91/99	91/99	95/106	95/106
Refrigerant type/quantity	g		R410A/1200	R410A/1800	R410A/2100	R410A/2100	R410A/3600	R410A/4000
Design pressure	MPa		4.2	4.2	4.2	4.2	4.2	4.2
Piping data								
Liquid side/Gas side	mm		φ6.35/φ12.7	φ9.52/φ15.88	φ9.52/φ19.05	φ9.52/φ19.05	φ9.52/φ19.05	φ9.52/φ19.05
Max. pipe length	m		20	20	20	20	20	20
Max. high drop	m		10	10	10	10	10	10

R22 Heating Pump											
Outdoor unit			COU-9H	COU-12H	COU-18H	COU-24H	COU-36H	COU-36HS	COU-48HS-A	COU-48HS	COU-60HS
Power supply		V/Hz/Ph	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	380~415/3/50
Capacity											
Cooling	Capacity	Btu/h	9000	12000	18000	24000	36000	36000	48000	48000	60000
		KW	2.6	3.5	5.3	7.1	10.5	10.5	14	14	16
		W	990	1320	1780	2330	3980	3800	5230	5230	5700
	Rated current	A	4.5	6.1	8.1	10.9	18.2	6.8	9.5	9.5	10
Heating	Capacity	Btu/h	10000	13000	20000	26000	40000	40000	52000	52000	60000
		KW	2.9	3.8	5.8	7.8	11.5	11.5	15.4	15.4	16.6
		W	920	1220	1630	2140	3750	3680	5130	5130	5800
	Rated current	A	4.1	5.6	7.5	10.2	17.2	6.6	9.3	9.3	10.2
Physical data											
Max. input consumption		W	1150	1620	2300	3260	5370	5130	7320	7320	7600
Max. current		A	5.9	8.3	11.6	14.8	24.6	9.2	13.2	13.2	13.5
Starting current		A	16	27	38	64.7	112	48	55	55	73
Compressor	Type		Rotary	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	Scroll
	Brand		Mitsubishi	Mitsubishi	Mitsubishi	Gmcc	Sanyo	Sanyo	Sanyo	Sanyo	Sanyo
Outdoor air flow		m³/h	2000	2000	2800	3800	5600	5600	5600	6100	6100
Outdoor noise level		dB(A)	50	50	53	55	60	60	60	60	60
Dimension(WxHxD)		mm	735×505×286	880×540×305	880×540×305	925×700×366	1050×995×400	1050×995×400	1050×995×400	911×1330×400	911×1330×400
Packing dimension(WxHxD)		mm	825×550×320	920×585×335	920×585×335	990×770×410	1145×1120×475	1145×1120×475	1145×1120×475	964×1445×402	964×1445×402
Net/Gross weight		kg	30/28	35/33	49/51	55/60	92/100	92/100	98/106	96/107	99/110
Refrigerant type/quantity		g	800	1000	1520	1900	2500	2500	3000	3500	4000
Design pressure		MPa	2.7/0.7	2.7/0.7	2.7/0.7	2.7/0.7	2.7/0.7	2.7/0.7	2.7/0.7	2.7/0.7	2.7/0.7
Piping data											
Liquid side/Gas side		mm	Φ6.35/Φ9.52	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Max. pipe length		m	15	15	15	20	20	20	20	20	20
Max. high drop		m	8	8	8	10	10	10	10	10	10

R22 Cooling Only											
Outdoor unit			COU-9C	COU-12C	COU-18C	COU-24C	COU-36C	COU-36CS	COU-48CS-A	COU-48CS	COU-60CS
Power supply		V/Hz/Ph	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	380~415/3/50
Capacity											
Cooling	Capacity	Btu/h	9000	12000	18000	24000	36000	36000	5230	48000	60000
		KW	2.6	3.5	5.3	7.1	10.5	10.5	14	14	16
		W	990	1320	1780	2330	3980	3800	5230	5230	5700
	Rated current	A	4.5	6.1	8.1	10.9	18.2	6.8	9.5	9.5	10
Physical data											
Max. input consumption		W	1150	1620	2300	3260	5370	5130	7320	7320	7600
Max. current		A	5.9	8.3	11.6	14.8	24.6	9.2	13.2	13.2	13.5
Starting current		A	16	27	38	64.7	112	48	55	55	73
Compressor	Type		Rotary	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	Scroll
	Brand		Mitsubishi	Mitsubishi	Mitsubishi	Gmcc	Sanyo	Sanyo	Sanyo	Sanyo	Sanyo
Outdoor air flow		m³/h	2000	2000	2800	3800	5600	5600	5600	6100	6100
Outdoor noise level		dB(A)	50	50	53	55	60	60	60	60	60
Dimension(WxHxD)		mm	735×505×286	880×540×305	880×540×305	925×700×366	1050×995×400	1050×995×400	1050×995×400	911×1330×400	911×1330×400
Packing dimension(WxHxD)		mm	825×550×320	920×585×335	920×585×335	990×770×410	1145×1120×475	1145×1120×475	1145×1120×475	964×1445×402	964×1445×402
Net/Gross weight		kg	28/26	34/32	48/50	54/59	92/100	92/100	92/100	88/99	96/107
Refrigerant type/quantity		g	590	680	1000	1100	2200	2200	2050	2500	3000
Design pressure		MPa	2.7/0.7	2.7/0.7	2.7/0.7	2.7/0.7	2.7/0.7	2.7/0.7	2.7/0.7	2.7/0.7	2.7/0.7
Piping data											
Liquid side/Gas side		mm	Φ6.35/Φ9.52	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Max. pipe length		m	15	15	15	20	20	20	20	20	20
Max. high drop		m	8	8	8	10	10	10	10	10	10

4-way Cassette (Compact) Unit



Features:

- 1

Compact design,Panel dimension,650*650mm.
- 2

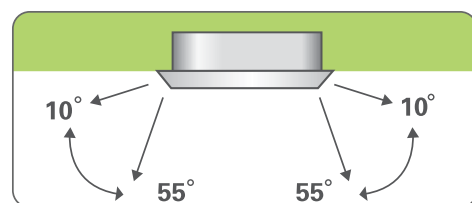
4-way air flow, cold air can reach each corner of the room, providing a stable and comfortable environment.
- 3

3 fan speed, meet for different requirement.
- 4

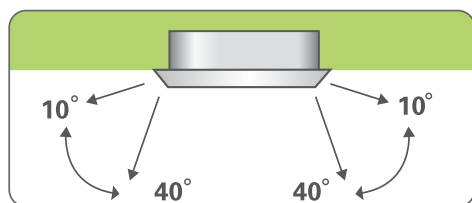
Three-dimensional centrifugal fan design.
- 5

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

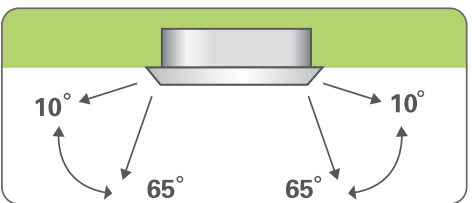
6 Intelligent auto-swing function, three modes for choice.



Standard mode

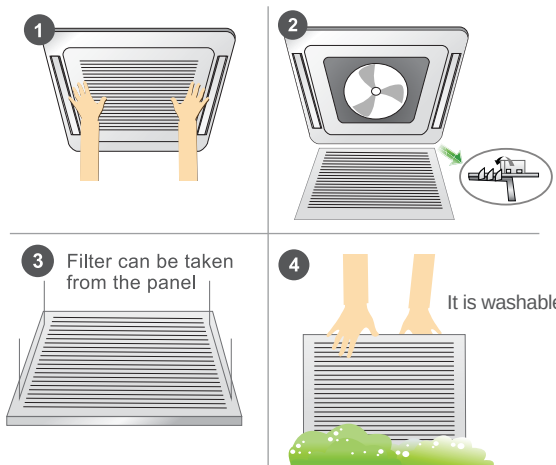


Anti-point blow

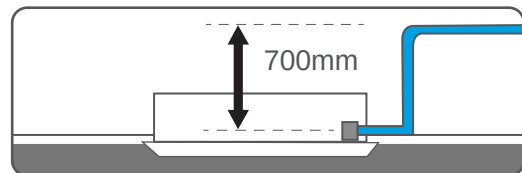


Ceiling against mode

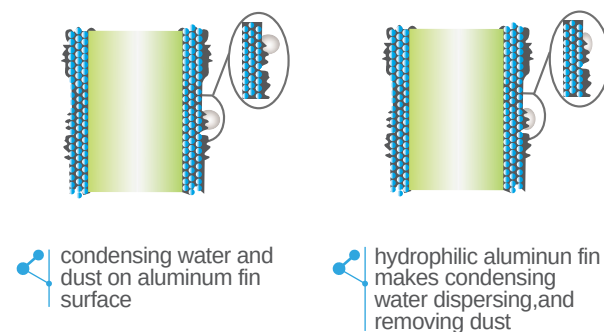
7 Easy and convenient installation and maintenance, washable filter design.



8 Built-in water pump, water head up to 700mm.



9 Energy saving and healthy, adopting hydrophilic aluminum fins increasing heat-exchange efficiency.



10 Fire resistance design, the E-box with galvanized steel built-in body easy for maintenance.



11 Multi protection and auto-restart function.

Specification

R410A Heating Pump



Indoor Unit		CCB-18HR1	
Power supply		V/Ph/Hz	220~240/1/50
Capacity			
Cooling	Capacity	Btu/h	18000
		KW	5.3
	Input	W	85
	Rated current	A	0.39
	EER	W/W	2.67
Heating	Capacity	Btu/h	19800
		KW	5.8
	Input	W	85
	Rated current	A	0.39
	COP	W/W	3.27
Physical data			
Indoor air flow(Hi/Med/Lo)		m³/h	700/580/480
Indoor noise level(Hi/Med/Lo)		dB(A)	45/42/40
Dimension(W×H×D)		Body(mm)	580×275×580
		Panel(mm)	650×30×650
Packing dimension(W×H×D)		Body(mm)	745×375×675
		Panel(mm)	750×95×750
Net/Gross weight		Body(Kg)	25/27
		Panel(Kg)	4/5
Refrigerant type			R410A
Piping data			
Liquid side/Gas side		mm	Φ6.35/Φ12.7
Drainag pipe		mm	DN25
Application area		m²	20-35
Stuffing Quantity(set)		40'HQ	150

R410A Cooling Only



Indoor Unit		CCB-18CR1	
Power supply		V/Ph/Hz	220~240/1/50
Capacity			
Cooling	Capacity	Btu/h	18000
		KW	5.3
	Input	W	85
	Rated current	A	0.39
	COP	W/W	2.67
Physical data			
Indoor air flow(Hi/Med/Lo)		m³/h	700/580/480
Indoor noise level(Hi/Med/Lo)		dB(A)	45/42/40
Dimension(W×H×D)	Body(mm)	580×275×580	
	Panel(mm)	650×30×650	
Packing dimension(W×H×D)	Body(mm)	745×375×675	
	Panel(mm)	750×95×750	
Net/Gross weight	Body(Kg)	25/27	
	Panel(Kg)	4/5	
Refrigerant type			R410A
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

R22 Heating Pump

Model		CCB-12H	CCB-18H	
Power supply	V/Ph/Hz	220~240/1/50	220~240/1/50	
Capacity				
Cooling	Capacity	Btu/h	12000	18000
		KW	3.5	5.3
	Input	W	1380	1880
	Rated current	A	6.4	8.6
	EER	W/W	2.54	2.82
Heating	Capacity	Btu/h	13000	20000
		KW	3.8	5.8
	Input	W	1280	1730
	Rated current	A	5.9	8
	EER	W/W	3.01	3.37
Physical data				
Indoor air flow(Hi/Med/Lo)		m³/h	560/480/420	700/580/480
Indoor noise level(Hi/Med/Lo)		dB(A)	45/42/40	48/43/38
Dimension(W×H×D)	Body(mm)	580×275×580	580×275×580	
	Panel(mm)	650×30×650	650×30×650	
Packing dimension(W×H×D)	Body(mm)	745×375×675	745×375×675	
	Panel(mm)	750×95×750	750×95×750	
Net/Gross weight	Body (Kg)	25/27	25/27	
	Panel (Kg)	4/5	4/5	
Refrigerant type		R22	R22	
Piping data				
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7
Drainage pipe		mm	DN25	DN25
Application area		m²	15~25	20~35
Stuffing Quantity(set)		40'HQ	150	150

R22 Cooling Only

Indoor Unit		CCB-12CR1	CCB-18CR1	
Power supply	V/Ph/Hz	220~240/1/50	220~240/1/50	
Capacity				
Cooling	Capacity	Btu/h	12000	18000
		KW	3.5	5.3
	Input	W	1380	1880
		Rated current	A	6.4
	COP	W/W	2.54	2.82
Physical data				
Indoor air flow(Hi/Med/Lo)		m³/h	560/480/420	700/580/480
Indoor noise level(Hi/Med/Lo)		dB(A)	45/42/40	48/43/38
Dimension(W×H×D)		Body(mm)	580×275×580	580×275×580
		Panel(mm)	650×30×650	650×30×650
Packing dimension(W×H×D)		Body(mm)	745×375×675	745×375×675
		Panel(mm)	750×95×750	750×95×750
Net/Gross weight		Body (Kg)	25/27	25/27
		Panel (Kg)	4/5	4/5
Refrigerant type			R22	R22
Piping data				
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7
Drainag pipe		mm	DN25	DN25
Application area		m²	15~25	20~35
Stuffing Quantity(set)		40'HQ	150	150

4-way Cassette Unit

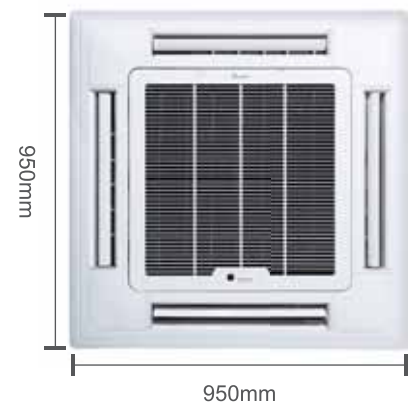


Features:

1 Brand-new panel design

Simple, featty and vogueish appearance suit for different requirements, it's mostly used for office, shopping center, restaurant, meeting room and etc..

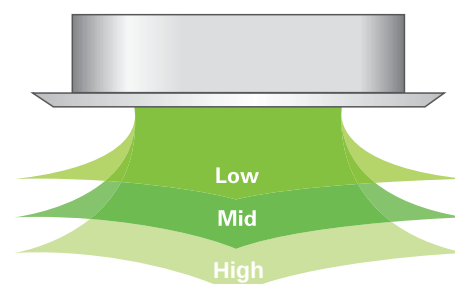
18kBtu~60kBtu, standard type, 950*950



2 4-way air flow, cold air can reach each corner of the room, providing a stable and comfortable environment.



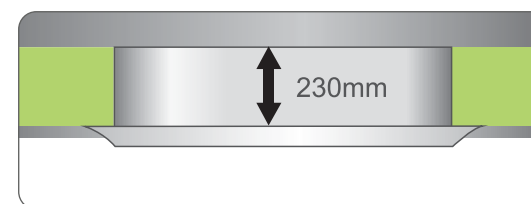
3 3 fan speed, meet for different requirement.



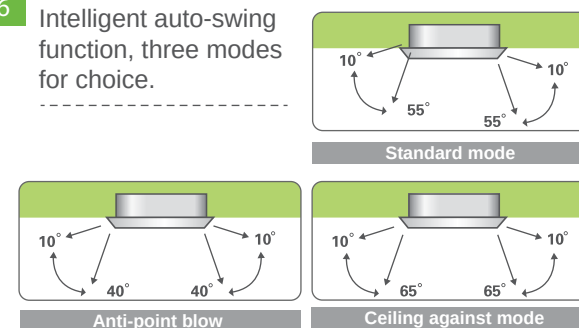
4 Three-dimensional centrifugal fan design.



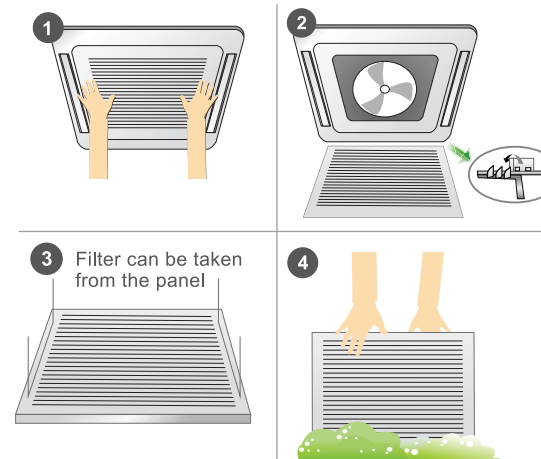
5 Ultra-thin body design, the min. height is only 230mm, save installation space.



6 Intelligent auto-swing function, three modes for choice.



7 Easy and convenient installation and maintenance, washable filter design.



8 Fire resistance design, the E-box with galvanized steel built-in body easy for maintenance.

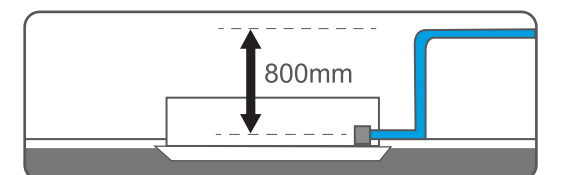


9 Multi protection and auto-restart function.

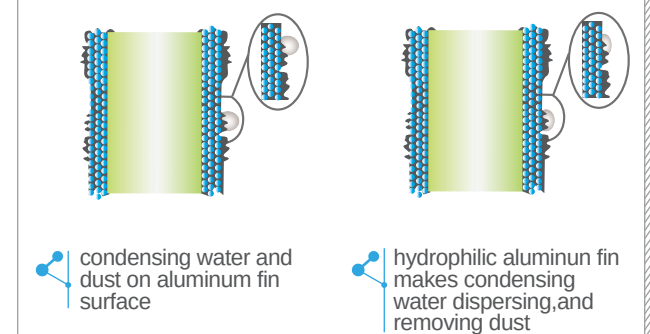
10 Fresh air intake



11 Built-in water pump, water head up to 800mm.



12 Energy saving and healthy, adopting hydrophilic aluminum fins increasing heat-exchange efficiency.



R410A Heating Pump 							
Indoor Unit			CCA-18HR1	CCA-24HR1	CCA-36HR1	CCA-48HR1	CCA-60HR1
Power supply		V/Ph/Hz	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	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	64	120	160	180	180
	Rated current	A	0.29	0.55	0.73	0.82	0.82
	EER	W/W	2.70	2.82	2.71	2.70	2.72
Heating	Capacity	Btu/h	19800	26400	39600	52800	66000
		KW	5.8	7.8	11.5	15.4	16.6
	Input	W	64	120	160	180	180
	Rated current	A	0.29	0.55	0.73	0.82	0.82
	COP	W/W	3.31	3.51	3.31	2.92	2.78
Physical data							
Indoor air flow(Hi/Med/Lo)		m³/h	810/720/640	1100/920/750	1600/1300/1100	1900/1550/1300	1900/1550/1300
Indoor noise level(Hi/Med/Lo)		dB(A)	39/36/35	44/41/39	47/44/42	48/47/44	48/47/44
Dimension(W×H×D)	Body(mm)	840x230x840	840x230x840	840x285x840	840x285x840	840x285x840	
	Pane(mm)	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950	
Packing dimension(W×H×D)	Body(mm)	920x310x920	920x310x920	920x375x920	920x375x920	920x375x920	
	Pane(mm)	1030x105x1030	1030x105x1030	1030x105x1030	1030x105x1030	1030x105x1030	
Net/Gross weight	Body(kg)	26/32	28/32	31/35	31/35	31/35	
	Pane(kg)	5/7	5/7	5/7	5/7	5/7	
Refrigerant type			R410A	R410A	R410A	R410A	R410A
Piping data							
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainag pipe		mm	DN25	DN25	DN25	DN25	DN25
Application area		m²	20-35	28-50	40-70	55-95	60-105
Stuffing Quantity (Set)		40' HQ	90	90	60	60	60

R410A Cooling Only 							
Indoor Unit			CCA-18CR1	CCA-24CR1	CCA-36CR1	CCA-48CR1	CCA-60CR1
Power supply		V/Ph/Hz	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	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	64	120	160	180	180
	Rated current	A	0.29	0.55	0.73	0.82	0.82
	EER	W/W	2.70	2.82	2.71	2.70	2.72
Physical data							
Indoor air flow(Hi/Med/Lo)		m³/h	810/720/640	1100/920/750	1600/1300/1100	1900/1550/1300	1900/1550/1300
Indoor noise level(Hi/Med/Lo)		dB(A)	39/36/35	44/41/39	47/44/42	48/47/44	48/47/44
Dimension(W×H×D)		Body(mm)	840×230×840	840×230×840	840×285×840	840×285×840	840×285×840
		Pane(mm)	950×50×950	950×50×950	950×50×950	950×50×950	950×50×950
Packing dimension(W×H×D)		Body(mm)	920×310×920	920×310×920	920×375×920	920×375×920	920×375×920
		Pane(mm)	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030
Net/Gross weight		Body(kg)	26/32	28/32	31/35	31/35	31/35
		Pane(kg)	5/7	5/7	5/7	5/7	5/7
Refrigerant type			R410A	R410A	R410A	R410A	R410A
Piping data							
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainag pipe		mm	DN25	DN25	DN25	DN25	DN25
Application area		m²	20-35	28-50	40-70	55~95	60~105
Stuffing Quantity (Set)		40' HQ	90	90	60	60	60

R22 Heating Pump							
Indoor Unit			CCA-18H	CCA-24H	CCA-36H	CCA-48H	CCA-60H
Power supply		V/Ph/Hz	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	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	1880	2480	3960	5390	5880
	Rated current	A	8.6	11.6	7.1	9.8	10.3
	EER	W/W	2.82	2.86	2.65	2.60	2.72
Heating	Capacity	Btu/h	20000	26000	39000	52000	60000
		KW	5.8	7.8	11.5	15.4	16.6
	Input	W	1730	2290	3840	5290	5980
	Rated current	A	8	10.9	6.9	9.6	10.5
	COP	W/W	3.37	3.41	3.01	2.91	2.68
Physical data							
Indoor air flow(Hi/Med/Lo)		m³/h	810/700/580	1200/1050/900	1700/1500/1200	1700/1500/1200	1900/1600/1300
Indoor noise level(Hi/Med/Lo)		dB(A)	48/45/43	48/46/44	48/46/44	52/48/45	52/48/45
Dimension(W×H×D)	Body(mm)	840×230×840	840×230×840	840×285×840	840×285×840	840×285×840	
	Pane(mm)	950×50×950	950×50×950	950×50×950	950×50×950	950×50×950	
Packing dimension(W×H×D)	Body(mm)	920×310×920	920×310×920	920×375×920	920×375×920	920×375×920	
	Pane(mm)	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030	
Net/Gross weight	Body(kg)	26/32	28/32	31/35	32/36	31/35	
	Pane(kg)	5/7	5/7	5/7	5/7	5/7	
Refrigerant type			R22	R22	R22	R22	R22
Piping data							
Liquid side/Gas side		mm	Φ6.35/Φ12.7	9.52/15.88	Φ9.52/ Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainag pipe		mm	DN25	DN25	DN25	DN25	DN25
Application area		m²	20~35	28~50	40~70	55~95	60~105
Stuffing Quantity (Set)		40' HQ	90	90	60	60	60

R22 Cooling Only 							
Indoor Unit			CCA-18C	CCA-24C	CCA-36C	CCA-48C	CCA-60C
Power supply		V/Ph/Hz	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	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	1880	2480	3960	5410	5880
	Rated current	A	8.6	11.6	7.1	9.8	10.3
	EER	W/W	2.82	2.86	2.65	2.59	2.72
Physical data							
Indoor air flow(Hi/Med/Lo)		m³/h	810/700/580	1200/1050/900	1700/1500/1200	1900/1600/1300	1900/1600/1300
Indoor noise level(Hi/Med/Lo)		dB(A)	48/45/43	48/46/44	48/46/44	52/48/45	52/48/45
Dimension(W×H×D)		Body(mm)	840×230×840	840×230×840	840×285×840	840×285×840	840×285×840
		Pane(mm)	950×50×950	950×50×950	950×50×950	950×50×950	950×50×950
Packing dimension(W×H×D)		Body(mm)	920×310×920	920×310×920	920×375×920	920×375×920	920×375×920
		Pane(mm)	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030	1030×105×1030
Net/Gross weight		Body(kg)	26/32	28/32	31/35	32/36	31/35
		Pane(kg)	5/7	5/7	5/7	5/7	5/7
Refrigerant type			R22	R22	R22	R22	R22
Piping data							
Liquid side/Gas side		mm	Φ6.35/Φ12.7	9.52/15.88	Φ9.52/ Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainag pipe		mm	DN25	DN25	DN25	DN25	DN25
Application area		m²	20~35	28~50	40~70	55~95	60~105
Stuffing Quantity (Set)		40' HQ	90	90	60	60	60

Floor & Ceiling Unit



Features:

1

Flexible installation, ceiling suspended and floor standing.

2

Washable air filter

3

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

4

Built-in with water pump,pumping head is up to 1200mm(Optional).

5

Adopting waterproof plastic film on water collector, avoiding water leakage.

6

Self-diagnostic function and multi protection.

7

Auto-restart function.

R410A Heating Pump



Indoor Unit			CUA-18HR1	CUA-24HR1	CUA-36HR1	CUA-48HR1	CUA-60HR1
Power supply	V/Ph/Hz		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	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	65	150	300	330	330
	Rated current	A	0.3	0.68	1.36	1.5	1.5
Heating	EER	W/W	2.7	2.78	2.62	2.63	2.65
	Capacity	Btu/h	19800	26400	39600	52800	66000
		KW	5.8	7.8	11.5	15.4	16.6
	Input	W	65	150	300	330	330
	Rated current	A	0.3	0.68	1.36	1.5	1.5
	COP	W/W	3.3	3.47	3.19	2.84	2.71
Physical data							
Indoor air flow(Hi/Med/Lo)		m³/h	790/670/540	1100/860/740	1700/1300/1100	2300/1900/1500	2300/1900/1600
Indoor noise level(Hi/Med/Lo)		dB(A)	51/47/43	47/48/43	50/46/43	55/52/50	55/52/50
Dimension(W×H×D)		mm	880×635×203	1245×680×247	1245×680×247	1670×680×247	1670×680×247
Packing dimension(W×H×D)		mm	970×711×301	1325×770×325	1325×770×325	1750×770×325	1750×770×325
Net/Gross weight		kg	26/32	28/32	31/35	31/35	31/35
Refrigerant type			R410A	R410A	R410A	R410A	R410A
Piping data							
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainag pipe		mm	DN25	DN25	DN25	DN25	DN25
Application area		m²	20-35	28-50	40-70	55-95	60-105
Stuffing Quantity (Set)		40' HQ	150	95	70	60	60

R410A Cooling Only



Model			CUA-18CR1	CUA-24CR1	CUA-36CR1	CUA-48CR1	CUA-60CR1
Indoor Power supply	V/Ph/Hz		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	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	65	150	300	330	330
	Rated current	A	0.3	0.68	1.36	1.5	1.5
	EER	W/W	2.7	2.78	2.62	2.63	2.65
Physical data							
Indoor air flow(Hi/Med/Lo)		m³/h	790/670/540	1100/860/740	1700/1300/1100	2300/1900/1500	2300/1900/1600
Indoor noise level(Hi/Med/Lo)		dB(A)	51/47/43	47/45/43	50/46/43	55/52/50	55/52/50
Dimension(W×H×D)		mm	880×635×203	1245×680×247	1245×680×247	1670×680×247	1670×680×247
Packing dimension(W×H×D)		mm	970×711×301	1325×770×325	1325×770×325	1750×770×325	1750×770×325
Net/Gross weight		kg	30/32	35/41	37/43	47/54	47/54
Refrigerant type			R410A	R410A	R410A	R410A	R410A
Piping data							
Liquid side/Gas side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainag pipe		mm	DN25	DN25	DN25	DN25	DN25
Application area		m²	20-35	28-50	40-70	55-95	60-105
Stuffing Quantity (Set)		40' HQ	150	95	70	60	60

R22 Heating Pump

Indoor Unit			CUA-18H	CUA-24H	CUA-36H	CUA-48H	CUA-60H
Power supply	V/Ph/Hz		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	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	1910	2480	4040	5560	6030
	Rated current	A	8.7	11.6	7.2	10.1	10.6
	EER	W/W	2.77	2.86	2.60	2.53	2.65
Heating	Capacity	Btu/h	20000	26000	39000	52000	60000
		KW	5.8	7.8	11.5	15.4	16.6
	Input	W	1760	2290	3920	5460	6130
	Rated current	A	8.1	10.9	7	9.9	10.8
	COP	W/W	3.31	3.41	2.95	2.79	2.61
Physical data							
Indoor air flow(Hi/Med/Lo)	m³/h		790/670/540	1300/1100/900	1500/1300/1100	2300/1900/1600	2300/1900/1600
Indoor noise level(Hi/Med/Lo)	dB(A)		52/48/44	48/43/39	50/47/44	52/48/45	52/48/45
Dimension(W×H×D)	mm		880×635×203	1245×680×235	1245×680×235	1670×680×235	1670×680×235
Packing dimension(W×H×D)	mm		970×711×301	1325×770×325	1325×770×325	1750×770×325	1750×770×325
Net/Gross weight	Kg		30/32	35/41	37/43	47/54	47/54
Refrigerant type			R22	R22	R22	R22	R22
Piping data							
Liquid side/Gas side	mm		Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/ Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe	mm		DN25	DN25	DN25	DN25	DN25
Application area	m²		20-35	28-50	40~70	55~95	60~105
Stuffing Quantity (Set)	40' HQ		150	95	70	60	60

R22 Cooling Only

Indoor Unit			CUA-18C	CUA-24C	CUA-36C	CUA-48C	CUA-60C
Power supply	V/Ph/Hz		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	36000	48000	60000
		KW	5.3	7.1	10.5	14	16
	Input	W	1910	2480	4040	5560	6030
	Rated current	A	8.7	11.6	7.2	10.1	10.6
	COP	W/W	2.77	2.86	2.60	2.53	2.65
Physical data							
Indoor air flow(Hi/Med/Lo)	m³/h		790/670/540	1300/1100/900	1500/1300/1100	2300/1900/1600	2300/1900/1600
Indoor noise level(Hi/Med/Lo)	dB(A)		48/43/38	48/43/39	50/47/44	52/48/45	52/48/45
Dimension(W×H×D)	mm		880×635×203	1245×680×235	1245×680×235	1670×680×235	1670×680×235
Packing dimension(W×H×D)	mm		970×711×301	1325×770×325	1325×770×325	1750×770×325	1750×770×325
Net/Gross weight	Kg		30/32	35/41	37/43	47/54	47/54
Refrigerant type			R22	R22	R22	R22	R22
Piping data							
Liquid side/Gas side	mm		Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/ Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe	mm		DN25	DN25	DN25	DN25	DN25
Application area	m²		20-35	28-50	40~70	55~95	60~105
Stuffing Quantity (Set)	40' HQ		150	95	70	60	60

Low ESP Ducted Unit



Features:

1 Ultra-thin body design.

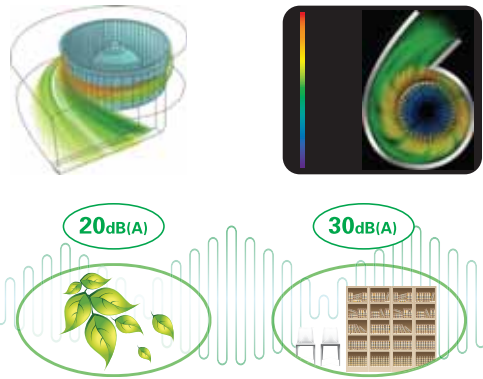


2 Three fan speed, meeting different requirements.



3 Multi protection and auto-restart function.

4 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 .



5 Body-side is E-box, convenient for installation and maintenance.



R410A Heating Pump



Indoor Unit			CTA-18HR1	CTA-24HR1
Power supply	V/Ph/Hz		220-240/1/50	220-240/1/50
Capacity				
Cooling	Capacity	Btu/h	18000	24000
		KW	5.3	7.1
	Input	W	70	150
	Rated current	A	0.32	0.68
Heating	EER	W/W	2.69	2.78
	Capacity	Btu/h	19800	26400
		KW	5.8	7.8
	Input	W	70	150
	Rated current	A	0.3	0.7
	COP	W/W	3.30	3.47

Physical data				
Indoor air flow(Hi/Med/Lo)	m³/h		730/600/500	1020/860/740
Static Pressure	Pa		10	10
Indoor noise level(Hi/Med/Lo)	dB(A)		42/31/26	43/32/28
Dimension(W×H×D)	mm		1204×181×510	1532×181×510
Packing(W×H×D)	mm		1330×250×605	1650×250×605
Net/Gross weight	kg		21/25	26/30
Refrigerant type			R410A	R410A
Piping data				
Liquid side/Gas side	mm		Φ6.35/Φ12.7	Φ9.52/Φ15.88
Drainage pipe	mm		DN25	DN25
Application area	m²		20-35	28-50
Stuffing quantity (Set)	40' HQ		130	120

R410A Cooling Only



Indoor Unit			CTA-18CR1	CTA-24CR1
Power supply	V/Ph/Hz		220-240/1/50	220-240/1/50
Capacity				
Cooling	Capacity	Btu/h	18000	24000
		KW	5.3	7.1
	Input	W	70	150
	Rated current	A	0.32	0.68
	EER	W/W	2.69	2.78

Physical data				
Indoor air flow(Hi/Med/Lo)	m³/h		730/600/500	1020/860/740
Static Pressure	Pa		10	10
Indoor noise level(Hi/Med/Lo)	dB(A)		42/31/26	43/32/28
Dimension(W×H×D)	mm		1204×181×510	1532×181×510
Packing(W×H×D)	mm		1330×250×605	1650×250×605
Net/Gross weight	kg		21/25	26/30
Refrigerant type			R410A	R410A
Piping data				
Liquid side/Gas side	mm		Φ6.35/Φ12.7	Φ9.52/Φ15.88
Drainage pipe	mm		DN25	DN25
Application area	m²		20-35	28-50
Stuffing quantity (Set)	40' HQ		130	120

R22 Heating Pump

Indoor Unit			CTA-9H	CTA-12H	CTA-18H	CTA-24H
Power supply	V/Ph/Hz		220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity						
Cooling	Capacity	Btu/h	9000	12000	18000	24000
		KW	2.6	3.5	5.3	7.1
	Input	W	1010	1380	1850	2460
	Rated current	A	4.7	6.4	8.4	11.3
Heating	EER	W/W	2.57	2.54	2.86	2.89
	Capacity	Btu/h	10000	13000	20000	26000
		KW	2.9	3.8	5.8	7.8
	Input	W	940	1280	1700	2270
	Rated current	A	4.3	5.9	7.8	10.8
	COP	W/W	3.04	3.01	3.43	3.44

Physical data						
Indoor air flow(Hi/Med/Lo)	m³/h		420/370/300	500/400/350	730/600/500	1020/860/740
Static Pressure	Pa		0/10	0/10	0/10	0/10
Indoor noise level(Hi/Med/Lo)	dB(A)		40/35/29	46/40/35	46/42/37	48/43/38
Dimension(W×H×D)	mm		926×181×510	926×181×510	1204×181×510	1532×181×510
Packing(W×H×D)	mm		1055×250×605	1055×250×605	1330×250×605	1645×250×605
Net/Gross weight	kg		17/20	17/20	21/25	26/30
Refrigerant type			R22	R22	R22	R22
Piping data						
Liquid side/Gas side	mm		Φ6.35/Φ9.52	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.88
Drainage pipe	mm		DN25	DN25	DN25	DN25
Application area	m²		10-20	15-25	20-35	28-50
Stuffing quantity (Set)	40' HQ		140	140	130	120

R22 Cooling Only

Indoor Unit			CTA-9C	CTA-12C	CTA-18C	CTA-24C
Power supply	V/Ph/Hz		220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity						
Cooling	Capacity	Btu/h	9000	12000	18000	24000
		KW	2.6	3.5	5.3	7.1
	Input	W	1010	1380	1850	2460
	Rated current	A	4.7	6.4	8.4	11.3
	EER	W/W	2.57	2.54	2.86	2.89

Physical data						
Indoor air flow(Hi/Med/Lo)	m³/h		420/370/300	500/400/350	730/600/500	1020/860/740
Static Pressure	Pa		0/10	0/10	0/10	0/10
Indoor noise level(Hi/Med/Lo)	dB(A)		40/35/29	46/40/35	46/42/37	48/43/38
Dimension(W×H×D)	mm		926×181×510	926×181×510	1204×181×510	1532×181×510
Packing(W×H×D)	mm		1055×250×605	1055×250×605	1330×250×605	1645×250×605
Net/Gross weight	kg		19/16	16.5/19.5	20/24	26/30
Refrigerant type			R22	R22	R22	R22
Piping data						
Liquid side/Gas side	mm		Φ6.35/Φ9.52	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.88
Drainage pipe	mm		DN25	DN25	DN25	DN25
Application area	m²		10-20	15-25	20-35	28-50
Stuffing quantity (Set)	40' HQ		140	140	130	120

Medium ESP Ducted Unit



24k-60k Btu/h



Standard



Optional

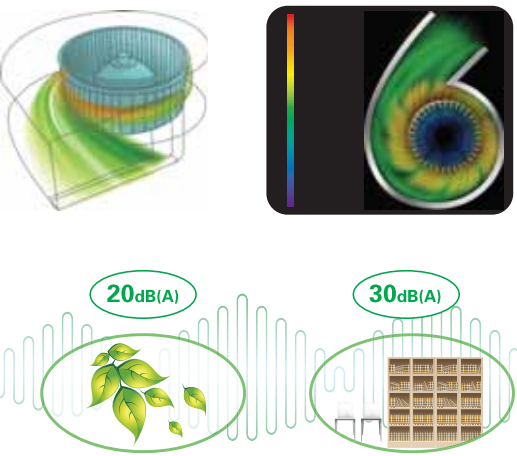
Features:

1 Ultra-thin body design.



Medium ESP Type

2 Adopting aviation centrifugal fans, and CFD technology design, increasing air-volume and decreasing noise level.



3 Filter can be taken out easily for clean maintenance.



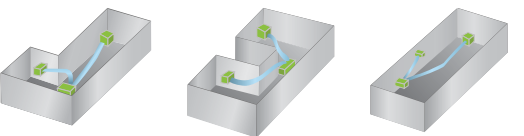
4 Body-side is E-box, convenient for installation and maintenance.



5 Three fan speed, meeting different requirements.



6 50Pa ESP design, duct connected installation meeting different room structure.



7 Multi protection and auto-restart function.

R410A Heating Pump 						
Indoor Unit			CTB-24HR1	CTB-36HR1	CTB-48HR1	CTB-60HR1
Power supply		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity						
Cooling	Capacity	Btu/h	24000	36000	48000	60000
		KW	7.1	10.5	14	16
	Input	W	250	340	340	340
	Rated current	A	1.14	1.55	1.55	1.55
	EER	W/W	2.68	2.59	2.62	2.65
Heating	Capacity	Btu/h	26400	39600	52800	66000
		KW	7.8	11.5	15.4	16.6
	Input	W	250	340	340	340
	Rated current	A	1.16	1.6	1.6	1.6
	COP	W/W	3.32	3.18	2.83	2.72
Physical data						
Indoor air flow(Hi/Med/Lo)		m³/h	1200/860/740	1900/1500/1200	2000/1600/1300	2000/1600/1300
Static Pressure		Pa	50	50	50	50
Indoor noise level(Hi/Med/Lo)		dB(A)	46/42/38	48/43/38	48/43/38	48/43/38
Dimension(W×H×D)		mm	1189×260×663	1425×260×663	1425×260×663	1425×260×663
Packing dimension(W×H×D)		mm	1255×330×730	1490×330×730	1490×330×730	1490×330×730
Net/Gross weight		kg	32/36	44/48	44/48	44/48
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
Drainag pipe		mm	DN25	DN25	DN25	DN25
Application area		m²	28-50	40-70	55-95	60-105
Stuffing quantity (Set)		40' HQ	100	70	60	60

R410A Cooling Only 						
Indoor Unit			CTB-24CR1	CTB-36CR1	CTB-48CR1	CTB-60CR1
Power supply		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity						
Cooling	Capacity	Btu/h	24000	36000	48000	60000
		KW	7.1	10.5	14	16
	Input	W	250	340	340	340
	Rated current	A	1.14	1.55	1.55	1.55
	EER	W/W	2.68	2.59	2.62	2.65
Physical data						
Indoor air flow(Hi/Med/Lo)		m³/h	1200/860/740	1900/1500/1200	2000/1600/1300	2000/1600/1300
Static Pressure		Pa	50	50	50	50
Indoor noise level(Hi/Med/Lo)		dB(A)	46/42/38	48/43/38	48/43/38	48/43/38
Dimension(W×H×D)		mm	1189×260×663	1425×260×663	1425×260×663	1425×260×663
Packing dimension(W×H×D)		mm	1255×330×730	1490×330×730	1490×330×730	1490×330×730
Net/Gross weight		kg	32/36	44/48	44/48	44/48
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
Drainag pipe		mm	DN25	DN25	DN25	DN25
Application area		m²	28-50	40-70	55-95	60-105
Stuffing quantity (Set)		40' HQ	100	70	60	60

R22 Heating Pump 						
Indoor Unit			CTB-24H	CTB-36H	CTB-48H	CTB-60H
Power supply		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity						
Cooling	Capacity	Btu/h	24000	36000	48000	60000
		KW	7.1	10.5	14	16
	Input	W	2520	4140	5570	6040
	Rated current	A	11.8	7.4	10.1	10.6
	EER	W/W	2.82	2.54	2.51	2.65
Heating	Capacity	Btu/h	26000	39000	52000	60000
		KW	7.8	11.5	15.4	16.6
	Input	W	2330	4020	5470	6140
	Rated current	A	11.1	7.2	9.9	10.8
	COP	W/W	3.35	2.87	2.82	2.61
Physical data						
Indoor air flow(Hi/Med/Lo)		m³/h	1150/1000/820	1900/1600/1300	2000/1700/1400	2000/1700/1400
Static Pressure		Pa	50	50	50	50
Indoor noise level(Hi/Med/Lo)		dB(A)	48/44/40	50/45/40	50/45/40	50/45/40
Dimension(W×H×D)		mm	1190×260×663	1425×260×663	1425×260×663	1425×260×663
Packing dimension(W×H×D)		mm	1255×330×730	1490×330×730	1490×330×730	1490×330×730
Net/Gross weight		kg	32/36	44/48	46/50	46/50
Refrigerant type			R22	R22	R22	R22
Piping data						
Liquid side/Gas side		mm	Φ9.52/ Φ15.88	Φ9.52/ Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainag pipe		mm	DN25	DN25	DN25	DN25
Application area		m²	28-50	40-70	55-95	60-105
Stuffing quantity (Set)		40' HQ	100	70	60	60

R22 Cooling Only 						
Indoor Unit			CTB-24C	CTB-36C	CTB-48C	CTB-60C
Power supply		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Capacity						
Cooling	Capacity	Btu/h	24000	36000	48000	60000
		KW	7.1	10.5	14	16
	Input	W	2520	4140	5570	6040
	Rated current	A	11.8	7.4	10.1	10.6
	EER	W/W	2.82	2.54	2.51	2.65
Physical data						
Indoor air flow(Hi/Med/Lo)		m³/h	1150/1000/820	1900/1600/1300	2000/1700/1400	2000/1700/1400
Static Pressure		Pa	50	50	50	50
Indoor noise level(Hi/Med/Lo)		dB(A)	48/44/40	50/45/40	50/45/40	50/45/40
Dimension(W×H×D)		mm	1190×260×663	1425×260×663	1425×260×663	1425×260×663
Packing dimension(W×H×D)		mm	1255×330×730	1490×330×730	1490×330×730	1490×330×730
Net/Gross weight		kg	32/36	44/48	46/50	46/50
Refrigerant type			R22	R22	R22	R22
Piping data						
Liquid side/Gas side		mm	Φ9.52/ Φ15.88	Φ9.52/ Φ19.05	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainag pipe		mm	DN25	DN25	DN25	DN25
Application area		m²	28-50	40-70	55-95	60-105
Stuffing quantity (Set)		40' HQ	100	70	60	60

High ESP Ducted Type Unit



48k~60k Btu/h



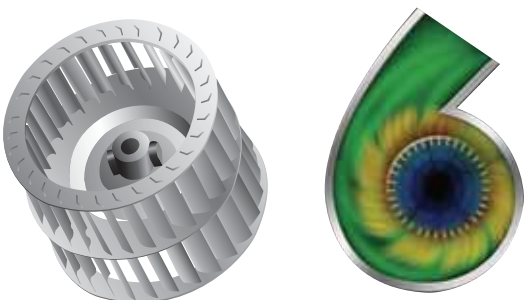
Standard



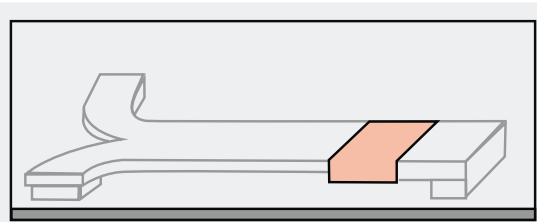
Optional

Features:

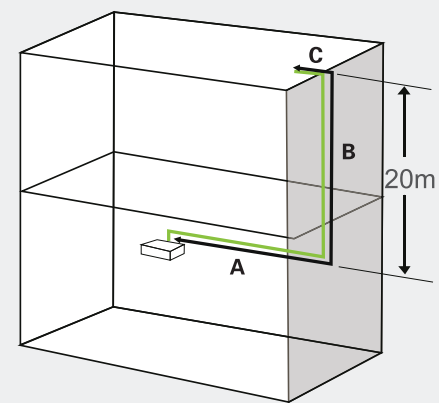
1 Centrifugal fan, low noise and big airflow.



2 Standard ESP is 120Pa, flexible air duct installtion.



3 Max.refrigerant pipe length is 50m. Max.difference in height 20m.



4 Standard for wired controllr; optional for wireless controller.

R410A Heating Pump



Indoor Unit			CTH-48HR1	CTH-60HR1
power supply	V/Ph/Hz		220-240/1/50	208-230/60/1
Capacity				
Cooling	Capacity	Btu/h	48000	60000
		KW	14	16
	Input	W	500	500
	Rated current	A	2.27	2.27
Heating	EER	WW	2.55	2.58
	Capacity	Btu/h	52800	66000
		KW	15.4	16.6
	Input	W	500	500
	Rated current	A	2.3	2.3
Heating	COP	WW	2.77	2.65

Physical data

Indoor air flow(Hi/Med/Lo)	m³/h	2300/2100/1900	2300/2100/1900
Static Pressure	pa	120	120
Indoor noise level(Hi/Med/Lo)	dB(A)	55/51/47	55/51/47
Dimension(WxHxD)	mm	1175x370x610	1175x370x610
Packing(WxHxD)	mm	1245x445x655	1245x445x655
Net/Gross weight	Kg	60/64	60/64
Refrigerant type		R410A	R410A

Piping data

Liquid side/Gas side	mm	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe	mm	30	30
Application area	m²	55-95	60-105
Stuffing Quantity (Set)	40'HQ	57	57

R410A Cooling Only



Indoor Unit			CTH-48CR1	CTH-60CR1
power supply	V/Ph/Hz		220-240/1/50	220-240/1/50
Capacity				
Cooling	Capaci	Btu/h	48000	60000
		KW	14	16
	Input	W	500	500
	Rated current	A	2.27	2.27
Cooling	EER	WW	2.55	2.58

Physical data

Indoor air flow(Hi/Med/Lo)	m³/h	2300/2100/1900	2300/2100/1900
Static Pressure	Pa	120	120
Indoor noise level(Hi/Med/Lo)	dB(A)	55/51/47	55/51/47
Dimension(WxHxD)	mm	1175x370x610	1175x370x610
Packing(WxHxD)	mm	1245x445x655	1245x445x655
Net/Gross weight	Kg	60/64	60/64
Refrigerant type		R410A	R410A

Piping data

Liquid side/Gas side	mm	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe	mm	DN25	DN25
Application area	m²	55-95	60-105
Stuffing Quantity (Set)	40'HQ	57	57

R22 Heating Pump

Indoor Unit			CTH-48H	CTH-60H
power supply	V/Ph/Hz		220-240/1/50	208-230/60/1
Capacity				
Cooling	Capacity	Btu/h	48000	60000
		KW	14	16
	Input	W	5730	6200
	Rated current	A	10.3	10.8
Heating	EER	WW	2.44	2.58
	Capacity	Btu/h	52000	60000
		KW	15.4	16.6
	Input	W	5630	6300
	Rated current	A	10.1	11
Heating	COP	WW	2.74	2.54

Physical data

Indoor air flow(Hi/Med/Lo)	m³/h	2000/1700/1400	2300/2000/1700
Static Pressure	pa	120	120
Indoor noise level(Hi/Med/Lo)	dB(A)	52/48/44	52/48/44
Dimension(WxHxD)	mm	1175x370x610	1175x370x610
Packing(WxHxD)	mm	1245x445x655	1245x445x655
Net/Gross weight	Kg	46/50	46/50
Refrigerant type		R22	R22

Piping data

Liquid side/Gas side	mm	Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe	mm	DN25	DN25
Application area	m²	55-95	60-105
Stuffing Quantity (Set)	40'HQ	57	57

R22 Cooling Only

Indoor Unit			CTH-48C	CTH-60C
power supply	V/Ph/Hz		220-240/1/50	220-240/1/50
Capacity				
Cooling	Capaci	Btu/h	48000	60000
		KW	14	16
	Input	W	5730	6200
	Rated current	A	10.3	10.8
Cooling	EER	WW	2.44	2.58

Physical data

Indoor air flow(Hi/Med/Lo)	m³/h	2300/2000/1700	2300/2000/1700
Static Pressure	Pa	120	120
Indoor noise level(Hi/Med/Lo)	dB(A)	52/48/44	52/48/44
Dimension(WxHxD)	mm	1175x370x610	1175x370x610
Packing(WxHxD)	mm	1245x445x655	1245x445x655
Net/Gross weight	Kg	44/48	44/48
Refrigerant type		R22	R22

Piping data

Liquid side/Gas side		Φ9.52/Φ19.05	Φ9.52/Φ19.05
Drainage pipe	mm	DN25	DN25
Application area	m²	55-95	60-105
Stuffing Quantity (Set)	40'HQ	57	57

Floor-standing Outdoor Unit



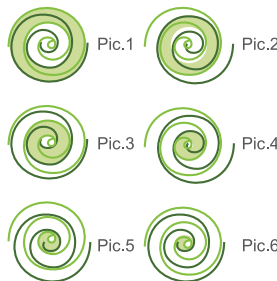
70k Btu/h



96k Btu/h

Features:

1 Famous scroll compressor with quick reactivity, stronger power and operation stable. Anti-attenuation design and better low-temperature heating performance.



Fixed Scroll

Active Scroll

Compressing A

■ Scroll Comp. ■ Scroll Plate ■ Working Principle

2 New panel and Plastics Safe guard of outdoor unit.



3 The diameter of globe valve is DN8mm.



R22 Heating Pump

Outdoor Unit			COW-70HS	COW-96HS
power supply		V/Ph/Hz	380-415/3/50	380-415/3/50
Capacity				
Cooling	Capacity	Btu/h	70000	96000
		KW	20	28
	Input	W	7550	10160
Heating	Capacity	Btu/h	77000	105000
		KW	22	30
	Input	W	7250	10080
Physical data				
Outdoor air flow		m³/h	8000	12000
Outdoor noise level		dB(A)	65	68
Net dimension (WxHxD)		mm	820×1035×770	1470×975×854
Packing dimension(WxHxD)		mm	900×1200×840	1520×1110×1000
Net weight		kg	185	208
Gross weight		kg	210	223
Refrigerant Type			R22	R22
Charge		g	2×3000	2×3800
Piping data				
Liquid side		mm	φ9.52×2	φ9.52×2
Gas side		mm	φ19.05×2	φ19.05×2
Max. refrigerant pipe length		m	20	20
Max. difference in level		m	10	10
Application area		m²	100-133	140-187

R22 Cooling Only

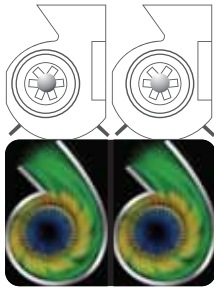
Outdoor Unit			COW-70CS	COW-96CS
power supply		V/Ph/Hz	380-415/3/50	380-415/3/50
Capacity				
Cooling	Capacity	Btu/h	70000	96000
		KW	20	28
	Input	W	7550	10160
	EER	W/W	2.65	2.76
Physical data				
Outdoor air flow		m³/h	8000	12000
Outdoor noise level		dB(A)	65	68
Net dimension (WxHxD)		mm	820×1035×770	1470×975×854
Packing dimension(WxHxD)		mm	900×1200×840	1520×1110×1000
Net weight		kg	185	208
Gross weight		kg	210	223
Refrigerant Type			R22	R22
Charge		g	2×3000	2×3800
Piping data				
Liquid side		mm	φ9.52×2	φ9.52×2
Gas side		mm	φ19.05×2	φ19.05×2
Max. refrigerant pipe length		m	20	20
Max. difference in level		m	10	10
Application area		m²	100-133	140-187

Floor-standing Indoor Unit

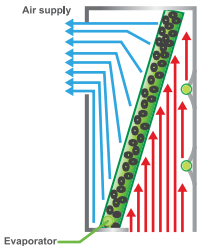


Features:

1 Brand-new panel design Simple, featly and vogueish appearance suit different requirements.it' s mostly used for office,shopping center,restaurant,meeting room andetc..
Aviation centrifugal fan.Double CFD technology design,increasing air-volume and decreaing noise level.



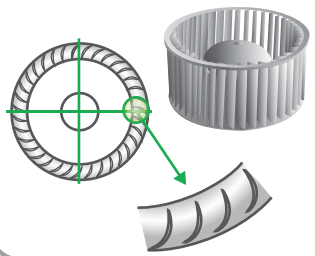
2 New air flow system, Larger heat-exchanging area, Higher efficiency of the evaporator.



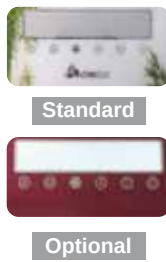
3 Standard for horizontal air flow, cold air can reach each corner of the room, providing a stable and comfortable environment.



4 Plastics centrifugal fan, suitable blades, low noise and big flow.



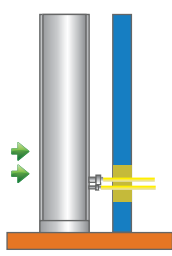
5 Optional control panel,meeting diffe-rent requirements.



6 Slim body, the depth of the body is only 380mm.



7 Easy and convenient installation and maintenance.



R22 Heating Pump

Indoor Unit			CFAi-70H	CFAi-96H
Power supply		V/Ph/Hz	220~240/1/50	220~240/1/50
Capacity				
Cooling	Capacity	Btu/h	70000	96000
		KW	20	28
	Input	W	7550	10160
	EER	W/W	2.65	2.76
Heating	Capacity	Btu/h	77000	105000
		KW	22	30
	Input	W	7250	10080
	COP	W/W	3.03	3.06
Physical data				
Indoor air flow (Hi/Med/Lo) (0 pa)		m³/h	2500/2300/2000	4000/3600/3300
Indoor noise level (Hi/Med/Lo)		dB(A)	52/48/45	55/52/50
Net dimension (WxHxD)		mm	1038×1855×380	1200×1855×420
Packing dimension(WxHxD)		mm	1100×1970×400	1350×1960×452
Net weight		kg	112	120
Gross weight		kg	125	135
Piping data				
Liquid side		mm	φ9.52×2	φ9.52×2
Gas side		mm	φ19.05×2	φ19.05×2
Max. refrigerant pipe length		m	20	20
Max. difference in level		m	10	10
Drainage pipe		mm	DN25	DN25
Application area		m²	100 ~ 133	140 ~ 187
Stuffing Quantity (Set)		40'HQ	18	18

R22 Cooling Only

Indoor Unit			CFAi-70C	CFAi-96C
Power supply		V/ph/Hz	220~240/1/50	220~240/1/50
Capacity				
Cooling	Capacity	Btu/h	70000	96000
		KW	20	28
	Input	W	7550	10160
	EER	W/W	2.65	2.76
Physical data				
Indoor air flow (Hi/Med/Lo) (0 pa)		m³/h	2500/2300/2000	4000/3600/3300
Indoor noise level (Hi/Med/Lo)		dB(A)	52/48/45	55/52/50
Net dimension (WxHxD)		mm	1038×1855×380	1200×1855×420
Packing dimension(WxHxD)		mm	1100×1970×400	1350×1960×452
Net weight		kg	112	120
Gross weight		kg	125	135
Piping data				
Liquid side		mm	φ9.52×2	φ9.52×2
Gas side		mm	φ19.05×2	φ19.05×2
Max. refrigerant pipe length		m	20	20
Max. difference in level		m	10	10
Drainage pipe		mm	DN25	DN25
Application area		m²	100 ~ 133	140 ~ 187
Stuffing Quantity (Set)		40'HQ	18	18

96K&110K Btu/h High ESP Ducted Outdoor Unit



Features:

1 Famous scroll compressor with quick reactivity, stronger power and operation stable. Anti-attenuation design and better low-temperature heating performance.



2 New panel and Plastics Safe guard of outdoor unit.



3 The diameter of globe valve is DN8mm.



R22 Heating Pump

Outdoor Unit		COW-96HZ	COW-110HZ
power supply	V/Ph/Hz	380~415V/3/50	380~415/3/50
Capacity			
Cooling	Capacity	Btu/h	96000
		KW	28
	Input	W	9420
Heating	Rated current	A	16.8
	Capacity	Btu/h	105000
		KW	30
Heating	Input	W	9320
	Rated current	A	16.5
Physical data			
Outdoor air flow		m³/h	12000
Outdoor noise level		dB(A)	68
Net dimension(WxHxD)		mm	1470×975×854
Packing dimension (WxHxD)		mm	1520×1110×1000
Net/Gross weight		kg	208/223
Refrigerant type(R22)		g	2×3800
Piping data			
Liquid side/ Gas side		mm	Φ9.52/Φ19.05
Max. pipe length		m	50
Max. difference in level		m	20

R22 Cooling Only

Outdoor Unit		COW-96CZ	COW-110CZ
Power supply	V/Ph/Hz	380~415V/3/50	380~415/3/50
Capacity			
Cooling	Capacity	Btu/h	96000
		KW	28
	Input	W	9420
Cooling	Rated current	A	16.8
	Capacity	Btu/h	105000
		KW	30
Cooling	Input	W	9320
	Rated current	A	16.5
Physical data			
Outdoor air flow		m³/h	12000
Outdoor noise level		dB(A)	68
Net dimension(WxHxD)		mm	1470×975×854
Packing dimension (WxHxD)		mm	1520×1110×1000
Net/Gross weight		kg	208/223
Refrigerant type(R22)		g	2×3800
Physical data			
Liquid side/ Gas side		mm	Φ9.52/Φ19.05
Max. pipe length		m	50
Max. difference in level		m	20

96K&110K Btu/h High ESP Ducted Indoor Unit



Features:

1 Centrifugal fan, low noise and big airflow.

2 Rated ESP is 120Pa,flexible air duct installation.

3 Max.refrigerant pipe length is 50m. Max.difference in height 20m.

4 Standard for wired controllr; optional for wireless controller.

Heating Pump

Indoor Unit			CTHi-96H	CTHi-110H
power supply			220~240/1/50	220~240/1/50
Capacity				
Cooling	Capacity	Btu/h	96000	110000
		KW	28	32
	EER	W/W	2.64	3.1
Heating	Capacity	Btu/h	105000	116000
		KW	30	34
	COP	W/W	2.93	3.11
Physical data				
Indoor air flow (Hi/Med/Lo)		m³/h	4400/3800/3300	5400/5100/4750
Static Pressure		Pa	120	120
Indoor noise level(Hi/Med/Lo)		dB(A)	55/50/45	65/60/55
Dimension (WxHxD)		mm	1440×811×448	1630×720×1145
Packing (WxHxD)		mm	1595×855×560	1835×850×1185
Net/Gross weight		kg	100/104	200/220
Refrigerant type			R22	R22
Piping data				
Liquid side/ Gas side		mm	Φ9.52/Φ19.05	Φ12.7/Φ19.05
Ambient temp		°C	DN25	DN25
Application area		m²	140-187	160-213
Stuffing Quantity		20'/40'/40'HQ	47	40

Cooling Only

Indoor Unit			CTHi-96C	CTHi-110C
Power supply			220~240/1/50	220~240/1/50
Capacity				
Cooling	Capacity	Btu/h	96000	110000
		KW	28	32
	EER	W/W	2.64	3.10
Physical data				
Indoor air flow (Hi/Med/Lo)		m³/h	4400/3800/3300	5400/5100/4750
Static Pressure		Pa	120	120
Indoor noise level(Hi/Med/Lo)		dB(A)	55/50/45	65/60/55
Dimension (WxHxD)		mm	1440×811×448	1630×720×1145
Packing (WxHxD)		mm	1595×855×560	1835×850×1185
Net/Gross weight		Kg	100/104	200/220
Refrigerant type			R22	R22
Piping data				
Liquid side/ Gas side		mm	Φ9.52/Φ19.05	Φ12.7/Φ19.05
Drainage pipe		m	DN25	DN25
Application area		m²	140-187	160-213
Stuffing Quantity		20'/40'/40'HQ	47	40

DC Inverter Multi Split Unit



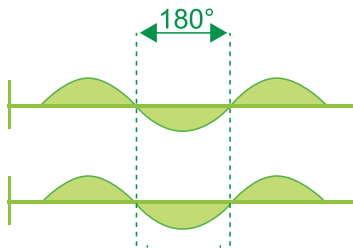
Dual split(14k/18k Btu/h)



Triple split(21k/27k Btu/h)

Features:

1 180° sin wave compressor control, higher efficiency and lower power consumption and noise.



2 Mitsubishi Twin rotary compressor

3 Wide operating range: cooling: 10-46°C, heating: -15-24°C

Winder operation range

cooling 10°C

46°C

heating -15°C

24°C

4 Japanese Electronic ship and new design for E-box, easy to heat elimination.



Fresh air inlet to cool down the inverter module, keeping the temperature of the inverter module < 90°C

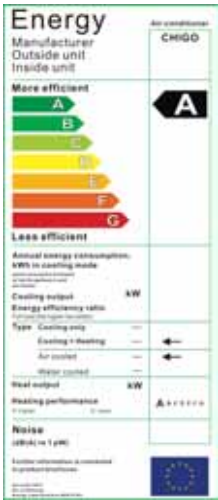
5 Anti-rust design, making electronic parts longer service life.

rust-proof coat



6 Dynamic refrigerant control and fuzzy logic management, more precise control and more user-friendly design.

7 High efficient and energy-saving EER&COP reaching European A-class energy label.



R410A Heating Pump

Outdoor Unit		Indoor Unit				Combination
		CSG-7HVR1	CSG-9HVR1	CSG-12HVR1	CSG-18HVR1	
1 drive 2	C2OU-14HVR1	●				7
			●			9
				●		12
		● ●				7+7
		● ●	●			7+9
		● ●		●		7+12
	C2OU-18HVR1		● ●			9+9
		●	●	●		9+12
						7
			●			9
		● ●		●		12
		● ●	●			7+7
1 drive 3	C3OU-21HVR1	●				7
			●			9
				●		12
		● ●				7+7
		● ●	●			7+9
		● ●		●		7+12
			● ●			9+9
			●	●		9+12
				● ●		12+12
		● ● ●				7+7+7
		● ● ●	●			7+7+9
		● ● ●		●		7+7+12
	C3OU-27HVR1	●				7
			●			9
				●		12
		● ●			●	18
		● ●	●			7+7
		● ●		●		7+9
		● ●			●	7+12
			● ●			7+18
			●	●		9+9
			●	●		9+12
				● ●	●	9+18
				●	●	12+12
					● ●	12+18
		● ● ●				18+18
		● ● ●	●			7+7+7
		● ● ●		●		7+7+9
		● ● ●			●	7+7+12
		● ● ●	● ●			7+7+18
		● ● ●	●	●		7+9+9
		● ● ●		●		7+9+12
		● ● ●	●		●	7+9+18
		● ● ●		● ●		7+12+12
		● ● ●		●	●	7+12+18
			● ● ●			9+9+9
			● ● ●	●		9+9+12
			● ● ●		●	9+9+18
			● ● ●	● ●		9+12+12
			● ● ●		●	9+12+18
			● ● ●	● ●	●	12+12+12

Outdoor unit

R410A Heating Pump												
Outdoor Unit		C2OU-14HVR1		C2OU-18HVR1		C3OU-21HVR1			C3OU-27HVR1			
Power supply	V/ph/Hz	220~240/1/50		220~240/1/50		220~240/1/50			220~240/1/50			
Indoor units combination		Single	Double	Single	Double	Single	Double	Triple	Single	Double	Triple	
Capacity												
Cooling	Capacity	Btu/h	7000~12000	14000	7000~12000	18000	7000~12000	14000~18000	21000	7000~18000	14000~24000	27000
	Input	W	600~1040	1214	600~1050	1603	600~1040	1213~1584	1860	600~1040	1181~2087	2434
	Rated current	A	3.0~5.1	6.0	3.0~5.1	7.9	3.0~5.1	6.0~7.8	9.2	3.0~5.1	5.8~10.3	12.0
	EER	Btu/(h*W)	11.5		11.5		11.3			11.1		
		W/W	3.38		3.38		3.31			3.25		
Heating	Capacity	Btu/h	8500~13800	17000	8500~13800	21000	8500~13800	17000~20800	25500	8500~19800	17000~27600	31200
	Input	W	660~1084	1343	660~1090	1665	648~1062	1318~1630	2031	657~1542	1325~2182	2511
	Rated current	A	3.3~5.4	6.6	3.3~5.4	8.2	3.2~5.2	6.5~8.1	10.0	3.2~7.6	6.5~10.8	12.4
	COP	Btu/(h*W)	12.7		12.6		12.6			12.4		
		W/W	3.71		3.70		3.68			3.64		
Physical data												
Max. input consumption		W	1410	1650	1780	2270	1780	2270	2270	1940	2510	3000
Max. current		A	6.3	7.4	8.8	10.2	8.8	10.2	10.2	10.0	11.8	13.3
Compressor	Type	DC inverter twin-rotary		DC inverter twin-rotary		DC inverter twin-rotary			DC inverter twin-rotary			
	Brand	Mitsubishi		Mitsubishi		Mitsubishi			Mitsubishi			
Outdoor air flow		m³/h	2500		2500		2880			3100		
Outdoor noise level		dB(A)	57		57		57			57		
Net dimension (WxHxD)		mm	940x332x608		940x332x608		940x332x840			900x332x840		
Packing dimension (WxHxD)		mm	995x415x680		995x415x680		1030x440x960			1030x440x960		
Net / Gross weight		kg	38/41		39/42		62/67			63/68		
Refrigerant	Type	R410a		R410a		R410a			R410a			
	Charged volume	g	1150		1450		1550			1550		
Piping data												
Liquid side/ Gas side		mm	6.35/9.52		6.35/9.52		6.35/9.52			6.35/9.52		
Max. pipe length		m	30		30		45			45		
Max. height difference		m	10		10		10			10		
Ambient temperature		℃	-15~46		-15~46		-15~46			-15~46		
Application area		m²	26~30		35~43		39~45			52~65		

Indoor Unit Specification

Indoor Unit			CSG-07HVR1	CSG-09HVR1	CSG-12HVR1	CSG-18HVR1
Power supply		V/ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
Capacity						
Cooling	Capacity	Btu/h	7000	9000	12000	18000
	Input	W	40	40	40	60
	Rated current	A	0.2	0.2	0.2	0.27
Heating	Capacity	Btu/h	8500	10400	13800	19800
	Input	W	40	40	40	60
	Rated current	A	0.2	0.2	0.2	0.27
Physical data						
Indoor air flow (Hi/Med/Lo)		m³/h	400/345/290	450/390/327	500/431/364	750/600/420
Indoor noise level (Hi/Med/Lo)		dB(A)	30/28/26	33/30/27	35/32/28	43/39/35
Net Dimension (WxHxD)		mm	800x287x192	800x287x192	800x287x192	900x282x202
Packing Dimension (WxHxD)		mm	865x358x275	865x358x275	865x358x275	983x377x300
Net/Gross weight		kg	9/11	9/11	9/11	14/16
Refrigerant Type			R410a	R410a	R410a	R410a
Physical data						
Refrigerant pipe(Liquid side/ Gas side)		mm	Φ6.35/Φ9.52	Φ6.35/Φ9.52	Φ6.35/Φ9.52	Φ6.35/Φ12.7
Drainage water pipe diameter		mm	DN25	DN25	DN25	DN25
Application area		m²	13-15	16-20	21-26	32-40

Controller

Wireless controller

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



Wired controller

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



ZKX-FE-01



ZKX-FE-02