

50Hz/60Hz Inverter 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.



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.

Commercial air conditioning division established

2004

Honored of "National hightech enterprises"

2012

Full DC inverter VRF CMV-X series launched

2014

Mechanical and Electrical Installation Level 2 Qualification

2017

Giwee Company Established

2020

2002 Enter central air conditioning industry

2011 CAC Company Established

2013

New R&D office building and VRF plant put into operation

2015

Honored of "Provincial engineering research and development center" 2018

2018 Russia World Cup HVAC Supplier Giwee company becomes a Test center certificated by CNAS

2021

subsidiary of Carrier Company



Production Capacity

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

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 qualit Execution System) system, it helps a lot in tracking and other operations management to improve. Assembly Arm

Packing Robot



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 accreditedlabs 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

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











ISO9001







































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.



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- 30 Controllers

Contents

Product line	Туре	Product	7k 1N	9k 1N	12k 1N	14k 1N	18k 1N	21k 1N	24k 1N	27k 1N
	Wall mounted unit	-	•	•	•		•	•		
	Compact cassette		•	•	•		•			
	Round flow cassette	6					•		•	
	Console			•	•		•			
ERP R32 units Full DC inverter	Floor-ceiling						•		•	
heat pump	Low ESP ducted		•	•	•		•		•	
	Medium ESP ducted									
	Constant air flow ducted								•	
	Mono outdoor unit						•		•	
	Multi split outdoor unit					•	•	•		•
	Round flow cassette									
R32 units	Floor-ceiling									
DC inverter heat pump	Medium ESP ducted									
	High ESP ducted	MA								
	Outdoor unit									
	Round flow cassette	6					•		•	
	Floor-ceiling						•		•	
R410A units DC inverter	Low ESP ducted						•		•	
heat pump	Medium ESP ducted									
	High ESP ducted	MA								
	Outdoor unit	(C)					•		•	

Product line	Туре	Product	28k 1N	36k 1N	36k 3N	42k 1N	48k 1N	48k 3N	55k 3N	60k 3N
	Wall mounted unit									
	Compact cassette									
	Round flow cassette			•	•		•	•	•	
	Console									
Full DC inverter	Floor-ceiling			•	•		•	•	•	
heat pump	Low ESP ducted									
	Medium ESP ducted			•	•		•	•	•	
	Constant air flow ducted			•	•		•	•	•	
	Mono outdoor unit			•	•		•	•	•	
	Multi split outdoor unit	[COT	•	•		•				
	Round flow cassette							•	•	
R32 units	Floor-ceiling	-						•	•	
DC inverter heat pump	Medium ESP ducted							•	•	
	High ESP ducted	MA						•	•	
	Outdoor unit	0						•	•	
	Round flow cassette			•	•		•	•		•
	Floor-ceiling			•	•		•	•		•
R410A units	Low ESP ducted									
DC inverter heat pump	Medium ESP ducted			•	•		•	•		•
	High ESP ducted	MA					•	•		•
	Outdoor unit	C33		•	•		•	•		•

DC Inverter Multi **Split Unit**





Fivefold split





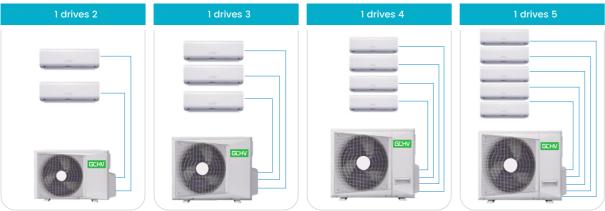
Fourfold split

Features



Matching mode

Multiple indoor units can be connected to 1 outdoor unit, which is friendly to small apartment and save installation space.





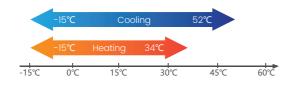
Various indoor units

Connecting different types of indoor units to meet different





Wide operation range





New design E-box

New design allows fresh air flow by to cool down the inverter module, ensuring stable operation.





Flexible installation

The total max. pipe length is up to 75m and max. height difference is up to 10m, which allows to choose a best place to install the outdoor unit.



Specification

R32 Multi Split Outdoor Unit 🚱 💷





Model			C2OU-D14HR4 -A01	C2OU-D18HR4 -A01	C3OU-D21HR4 -C01	C3OU-D27HR4 -C01	C4OU-D28HR4 -D01	C4OU-D36HR4 -D01	C5OU-D42HR4 -D01
	V		V		V	V	V		
Power sup	oply	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	/		~						
	Capacity	Btu/h	7000-14000	7000-18000	7000-21000	7000-27000	7000-28000	7000-36000	7000-42000
	Input	W	1280	1650	1930	2472	2520	3400	3900
Cooling	Rated current	А	5.9	7.3	8.8	11.3	11.5	15.6	18.0
	EER	w/w	3.20	3.21	3.21	3.20	3.25	3.09	3.15
	SEER		6.2	6.1	6.3	6.2	6.4	6.6	6.1
	Capacity	Btu/h	8000-16000	8000-20000	8000-24000	8000-30000	8000-30000	8000-38000	8000-44000
	Input	W	1350	1730	2150	2600	2450	3080	3650
Heating	Rated current	А	6.4	7.9	9.8	11.8	11.2	14.1	16.7
	COP	w/w	3.48	3.41	3.26	3.38	3.59	3.60	3.53
	SCOP		4	4	4	4	4	4	4
MAX	Current	А	11.4	13.2	14.2	17.2	19	27	28
MAX	Input	W	2300	2500	2880	3500	3600	4900	5100
Physical	data								
Outdoor o	air flow(High speed)	m³/h	2300	2300	3300	3300	4000	4000	4000
Sound pre	essure noise level	dB(A)	55	55	56	56	58	58	58
Sound po	ower noise level	dB(A)	65	65	66	66	68	68	68
	nsion(W×H×D)	mm	880×555×345	880×555×345	938×702×382	938×702×382	1035×808×445	1035×808×445	1035×808×445
Packing o	dimension(W×H×D)	mm	920×600×380	920×600×380	975×770×435	975×770×435	1075×875×495	1075×875×495	1075×875×495
Net/Gros	s weight	kg	32.4/35.1	33.2/36	46.3/49.5	51.3/54.5	61.5/66	65/70	67.4/72
Refrigera	nt type and quantity	g	R32/1100	R32/1350	R32/1600	R32/1800	R32/2600	R32/2800	R32/3400
Piping do	ata								
Liquid sid	e/Gas side	mm	2×(6.35/9.52)	2×(6.35/9.52)	3×(6.35/9.52)	3×(6.35/9.52)	4×(6.35/9.52)	4×(6.35/9.52)	5×(6.35/9.52)
Max. pipe	e length (total)	m	30	30	45	45	60	60	75
Max. heig	ht difference(ODU below)	m	10	10	10	10	10	10	10
Ambient t	temperatureCooling	°C	-15~52	-15~52	-15~52	-15~52	-15~52	-15~52	-15~52
Heating		°C	-15~34	-15~34	-15~34	-15~34	-15~34	-15~34	-15~34
Application	on area	m²	2×(10~15)	2×(12~18)	3×(10~15)	3×(12~18)	4×(10~15)	4×(12~18)	5×(12~18)

- .The cooling condition TI 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 Im 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.

R32 Wall Mounted type 🕝 **EP**





		71					
Wall m	nounted IDU		CCG-V07HR4 -GSA-S40	CCG-V09HR4 -GSA-S40	CCG-V12HR4 -GSB-S40	CCG-D18HR4 -GSC-S40	CCG-D24HR4 -GSC-S40
Power	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
	~		V	V	V	V	V
Capacity	у		~				
	Capacity	Btu/h	7000	9000	12000	18000	24000
Cooling	Input	W	35	35	45	55	65
	Rated current	А	0.3	0.3	0.4	0.5	0.6
	Capacity	Btu/h	8000	10000	13000	19000	25000
Heating	Input	W	35	35	45	55	65
	Rated current	А	0.3	0.3	0.4	0.5	0.6
Physical	data						
Indoor ai	ir flow	m³/h	450	450	550	850	1020
Indoor no	oise level(Hi/Mi/Lo)	dB(A)	30/27/24	33/28/24	36/30/25	44/40/36	45/42/38
Sound po	ower noise level(Hi)	dB(A)	50	50	50	53	55
Net dime	ension(WxHxD)	mm	715x295x198	715x295x198	864x300x200	972x320x215	972x320x2l5
packing	dimension(WxHxD)	mm	785x370x285	785x370x285	950x380x290	1060x405x320	1060x405x320
Net/Gros	ss weight	kg	8.5/10.5	8.5/10.5	9.5/11.5	11.5/14.5	11.5/14.5
Piping d	ata						
Liquid/G	as	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7	9.52/12.7
Drainage	e pipe	mm	DN17	DN17	DN17	DN17	DN17
Applicati	ion area	m²	10-15	12-18	16-23	23-34	34-51

_____Specification—____

R32 Cassette Type (32) (ETP)





CASSE	TTE IDU		CCB-D07HR4-Q402	CCB-D09HR4-Q402	CCB-D12HR4-Q402	CCB-D18HR4-Q402
Power	supply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	V		V	~	V	V
Capacity	y .		~			
	Capacity	Btu/h	7000	9000	12000	18000
Cooling	Input	W	25	25	26	34
	Rated current	А	0.12	0.12	0.12	0.16
	Capacity	Btu/h	8000	10000	13000	19000
Heating	Input	W	25	25	26	34
	Rated current	А	0.12	0.12	0.12	0.16
Physical	data		\checkmark			
Indoor ai	r flow(Hi/Mi/Lo)	m³/h	540/490/410	540/490/410	560/500/420	650/580/500
Indoor no	oise level(Hi/Mi/Lo)	dB(A)	39/36/33	39/36/33	40/37/34	44/41/38
Sound po	ower noise level(Hi)	dB(A)	50	50	54	55
Net dime	nsion(WxHxD)	mm	580x267x580	580x267x580	580x267x580	580x267x580
packing (dimension(WxHxD)	mm	755x375x680	755x375x680	755x375x680	755x375x680
Net/Gros	s weight	kg	16.5/21.5	16.5/21.5	16.5/21.5	16.5/21.5
Piping d	ata		~			
Liquid/Go	as	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
Drainage	pipe	mm	DN25	DN25	DN25	DN25
Application	on area	m²	10-15	12-18	16-23	23-34

R32 Short Duct Type





DUCTE	D IDU		CTA-D07HR4-F101	CTA-D09HR4-F101	CTA-D12HR4-F101	CTA-D18HR4-F102
Power	supply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
				V		~
Capacity	/					
	Capacity	Btu/h	7000	9000	12000	18000
Cooling	Input	W	20	20	30	55
	Rated current	А	0.1	0.1	0.15	0.2
	Capacity	Btu/h	8000	10000	13000	19000
Heating	Input	W	20	20	30	55
	Rated current	А	0.1	0.1	0.15	0.2
Physical	data		V			
Indoor air	r flow(Hi/Mi/Lo)	m³/h	550/410/340	550/410/340	550/410/340	800/700/600
Indoor no	oise level(Hi/Mi/Lo)	dB(A)	36/32/29	36/32/29	36/32/29	45/40/36
Sound po	ower noise level(Hi)	dB(A)	47	47	47	58
Net dime	nsion(WxHxD)	mm	814x210x467	814x210x467	814x210x467	1010x210x467
packing o	dimension(WxHxD)	mm	910x240x510	910x240x510	910x240x510	1110x240x510
Net/Gros	s weight	kg	17/19.5	17/19.5	17/19.5	22.5/26
Piping do	ata		V			
Liquid/Go	as	mm	6.35/9.52	6.35/9.52	6.35/9.52	6.35/12.7
Drainage	pipe	mm	DN25	DN25	DN25	DN25
Application	on area	m²	10-15	12-18	16-23	23-34

_____Specification—____

R32 Console ETP



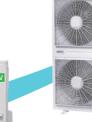


Consc	ole IDU		CZA-D09HR4-ZA	CZA-D12HR4-ZA	CZA-D18HR4-ZA
Power	supply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50
			<u> </u>	<u> </u>	V
Capacit	у				
	Capacity	Btu/h	9000	12000	180000
Cooling	Input	W	40	40	45
	Rated current	А	0.20	0.20	0.22
	Capacity	Btu/h	10000	13000	19000
Heating	Input	W	40	40	45
	Rated current	А	0.20	0.20	0.22
Physica	l data				
Indoor a	ir flow(Hi/Mi/Lo)	m³/h	520/480/420	560/520/480	610/560/520
Indoor n	oise(Hi/Mi/Lo)	dB(A)	39/37/35	41/39/37	43/41/39
Sound p	ower noise(Hi/Mi/Lo)	dB(A)	50/48/46	52/50/48	54/52/50
Net dime	ension(WxHxD)	mm	700x630x2l5	700x630x2l5	700x630x215
packing	dimension(WxHxD)	mm	790x700x275	790x700x275	790x700x275
Net/Gros	ss weight	kg	15/18	15/18	15/18
Piping d	ata				
Liquid/G	as	mm	6.35/9.52	6.35/9.52	6.35/12.7
Drainage	e pipe	mm	DN25	DN25	DN25
Applicat	ion area	m²	12-18	16-23	23-34
Dehumic	dification	kg/h	0.6	0.84	1.27

DC Inverter Mono LCAC **ERP Outdoor unit**







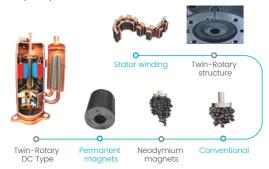
48K/55K Btu/h

Features

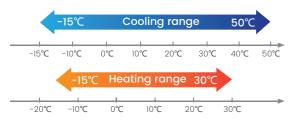


DC inverter compressor

High efficiency twin rotary DC inverter compressor, system can operate in the best performance due to adjustable









New electric control box

New electric control box material change from metal to plastic, not only reduce the weight, but also avoid the short circuit cause by the PCB touch the metal box(for 18k





High energy efficiency

Energy saving and excellent efficiency. Reaching European A++ and A+ class energy label, meets the EU's new energy efficiency requirement, comply with ErP directive.



New integrated PCB

New integrated PCB has big contribution to AC fast reply and simple service. Fin type heat sink and refrigerant cooling gives PCB a cool working condition.

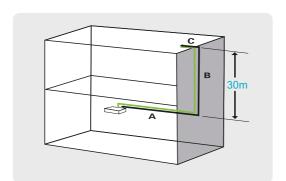






Refrigerant piping

Long piping design, for 36K-55K Btu/h, the MAX pipe length is 65m, and height difference is 30m, which allows to choose a best place to install the outdoor unit.



Specification





Model			COU-D18HR4 -A01	COU-D24HR4 -C01	COU-D36HR4 -D01	COU-D36HZR4 -D01	COU-48HDR4	COU-48HZDR4	COU-55HZDR4
Outdoor	power supply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50	380-415/3/50
	~		V	V	~	V	V	~	~
Performanc	ce								
Cooling Car	ogcity	Btu/h	18000	24000	36000	36000	48000	48000	55000
Cooling Cu	odelty	kW	2.0-5.3-5.6	2.9-7.0-8.0	3.6-10.5-12.8	3.6-10.5-12.8	7.0-14.0-15.5	7.0-14.0-15.5	7.5-16.0-17.0
Heating Ca	ogcity	Btu/h	18000	26000	39000	39000	52000	52000	57000
rieding Cu	oddity	kW	2.2-5.3-5.8	3.3-7.7-8.5	4.35-11.5-13.2	4.35-11.5-13.2	8.0-15.2-16.0	8.0-15.2-16.0	8.5-16.8-17.5
Max.power in	nput	W	3680	4000	4900	4900	6100	6100	6600
Max.current	input	А	16.0	18.0	24.0	9.50	29.5	12.5	13.5
Physical do	ita								
Compresso	r		DC/Single-rotary	DC/Twin-rotary	DC/Twin-ratary	DC/Twin-ratary	DC/Twin-rotary	DC/Twin-rotary	DC/Twin-rotary
Fan motor			DC	DC	DC	DC	DC	DC	DC
Outdoor	Power level	dB(A)	64	68	69	69	68	68	68
noise level	Pressure level	GD (71)	54	54	58	58	58	58	58
	Dimension(WxHxD)	mm	880×555×345	935×702×382	1032×807×445	1032×807×445	1015×1430×450	1015×1430×450	1015×1430×450
Outdoor	Packing(WxHxD)	mm	920×600×380	975×770×435	1075×875×495	1075×875×495	1095×1545×485	1095×1545×485	1095×1545×485
unit	Net/Gross weight	kg	32.5/35	48.7/52.6	61.3/65	71.2/75	109/123.6	109/123.6	112/126.6
Refrigerant	type/quantity	g	R32/1200	R32/1450	R32/2400	R32/2400	R32/3800	R32/3800	R32/4200
Piping date	1								
	Liquid side/Gas side	mm	Ф6.35/Ф12.7	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88
Refrigerant piping	Max. pipe length	m	15(30)	20(50)	50(65)	50(65)	50(65)	50(65)	50(65)
11 3	Max. high drop	m	8(20)	10(25)	20(30)	20(30)	20(30)	20(30)	20(30)
Ambient	cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
temp	heating	°C	-15~30	-15~30	-15~30	-15~30	-15~30	-15~30	-15~30

- 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 $20^{\circ}\text{C}(68^{\circ}\text{F})$ DB, $15^{\circ}\text{C}(44.6^{\circ}\text{F})$ WB, outdoor side $7^{\circ}\text{C}(42.8^{\circ}\text{F})$ 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.

· Cassette Unit





Features



Display panel

LED dsisplay is standard and Digital tube display is optional for round flow cassette.





3D spiral fan blade

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





Built-in water pump

Built-in water pump and the water head is up to 1200mm.





Washable filter

Washable filter, convenient for installation and maintence.





I-FEEL function

A temperature sensor is built in wired controller, after setting, it could detect room temperature. Compared to the temperature detected by the sensor at the cassette, this temperature is closer to the temperature felt by the human body, so the temperature adjustment will be better and users feel more comfortable.



Specification

R32 Heat Pump



~	
	E _r D

Model		CCB-D18HR4 -Q402	CCR-D18HR4 -Q303	CCR-D24HR4 -Q303	CCR-D36HR4 -Q305	CCR-48HVR4	CCR-48HVR4S	CCR-55HVR4S	
Outdoor powe	r 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
Performance			· ·	<u> </u>	<u> </u>				
Cooling Capacity		kW	2.0-5.3-5.6	2.0-5.3-5.6	2.9-7.0-8.0	3.6-10.5-12.8	7.0-14.0-15.5	7.0-14.0-15.5	7.5-16.0-17.0
SEER		w/w	5.6	6.1	6.1	6.1	6.1	6.1	6.1
Heating Capacity		kW	2.2-5.3-5.8	2.2-5.3-5.8	3.3-7.7-8.5	4.35-11.5-13.2	8.0-15.2-16.0	8.0-15.2-16.0	8.5-16.8-17.5
SCOP		w/w	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Cooling energy efficie	ency class		A+	A++	A++	A++	A++	A++	A++
Heating energy efficie	ency class		A+	A+	A+	A+	Α+	Α+	Α+
Indoor arflow(Hi/Lo/N	Med)	m³/h	650/580/500	900/800/650	1100/900/800	1800/1700/1550	2000/1800/1600	2000/1800/1600	2000/1800/1600
Physical data			~						
Power noise level		dB(A)	46-55	46-58	56-63	53-61	54-62	54-62	54-62
Pressure noise level		dB(A)	36-43	36-45	43-49	43-48	45-52	45-52	45-52
Net dimension	Body	mm	580x267x580	840x230x840	840x230x840	840x285x840	840x285x840	840x285x840	840x285x840
(WxHxD)	Panel	mm	650x29.8x650	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950
Packing	Body	mm	745x375x675	920x265x920	920x265x920	920x310x920	920x310x920	920x310x920	920x310x920
(WxHxĎ)	Panel	mm	750x95x750	1030x100x1030	1030x100x1030	1030x100x1030	1030x100x1030	1030x100x1030	1030x100x1030
Panel Net/	Body	mm	16.5/21.5	25/30	25/30	30.5/36	32/37.5	32/37.5	32/37.5
Gross weight	Panel	kg	2.7/4.0	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 /Gas side		mm	Ф6.35/Ф12.7	Ф6.35/Ф12.7	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88
Drain pipe		mm	DN25	DN25	DN25	DN25	DN25	DN25	DN25

- 1.The cooling condition TI 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





Features



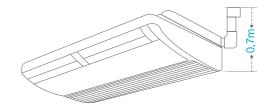
Flexible installation, you can choose ceiling suspended and floor standing installation style according to actual project





Water pump

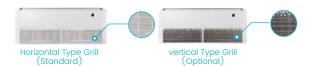
External water pump is optional, the pumping head is up to





2 types of Grills available

Two types of grills are available, horizontal stripes and vertical stripes.





3D airflow

Auto-swing function, built-in 3 louver motors, realize vertical and horizontal air-flow adjustment.





Display panel

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



Specification

Model		CUA-DI8HR4-LDBA	CUA-D24HR4-LDBA	CUA-D36HR4-LDBB	CUA-D48HR4-LDBC	CUA-D55HR4-LDBC
Outdoor 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
			<u> </u>		<u> </u>	V
Performance		~				
Cooling Capacity	kW	2.0-5.3-5.6	2.9-7.0-8.0	3.6-10.5-12.8	7.0-14.0-15.5	7.5-16.0-17.0
SEER	w/w	6.1	6.1	6.1	6.1	6.1
Heating Capacity	kW	2.2-5.3-5.8	3.3-7.7-8.5	4.35-11.5-13.2	8.0-15.2-16.0	8.5-16.8-17.5
SCOP	w/w	4.0	4.0	4.0	4.0	4.0
Cooling energy efficiency class		A++	A++	A++	A++	A++
Heating energy efficiency class		Α+	Α+	A+	A+	A+
Indoor airflow(Hi/Lo/Med)	m³/h	1200	1200	1800	2000	2000
Physical data						
Power noise level	dB(A)	48-52	48-52	57-65	58-66	58-66
Pressure noise level	dB(A)	36-47	36-47	45-51	45-52	46-52
Net dimension(WxHxD)		1050×675×235	1050×675×235	1300×675×235	1670×675×235	1670×675×235
Packing(WxHxD)		1130×765×330	1130×765×330	1380×765×325	1750×770×325	1750×770×325
Net/Gross weight		26.5/31	26.5/31	31.3/36.2	43/48	43/48
Piping data		~				
Diameter Liquid side / Gas side	mm	Ф6.35/Ф12.7	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88
Drain pipe	mm	DN25	DN25	DN25	DN25	DN25

R32 Heat Pump (S2) (ETP)

1. The cooling condition T1 condition: indoor side $27^{\circ}\text{C}(80.6^{\circ}\text{F})$ DB, $19^{\circ}\text{C}(60^{\circ}\text{F})$ WB, outdoor side $35^{\circ}\text{C}(95^{\circ}\text{F})$ 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.

Ducted Unit



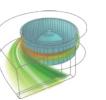


Features



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.







Wide application

High ESP design for medium static pressure duct, duct onnected installation type makes it could meet the various requirements for different room structure.







L size type

U size type



DC motor is standard, operating stably, lower energy consumption and high efficiency.





Optional water pump

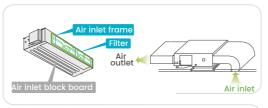
Water pump is optional, pump head is up to 700mm.

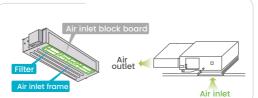




Flexible installation

Air return method is optional by actual installation, from rear or from bottom, it is convenient for installation.





Specification

R32 Low ESP Ducted Unit Heat Pump





Model			CTA-D18HR4-F102	CTA-D24HR4-F103
Indoor po	wer supply	V/N/Hz	220-240V/1/50	220-240V/1/50
	~		~	•
Performance			~	~
Cooling	Capacity	kW	2.0-5.3-5.6	2.9-7.0-8.0
Cooming	SEER		6.1	6.1
Cooling energ	y efficiency class		A++	A++
Heating	Capacity	kW	2.2-5.3-5.8	3.3-7.7-8.5
riedting	SCOP		4.0	4.0
Heating energ	y efficiency class		A+	Α+
Physical date				
Airflow		m³/h	800/700/600	1050/950/750
Stastic pressu	re	Ра	30	30
Static pressur	e range	Pa	0-60	0-100
Noise level	Power level	dB (A)	46-58	56-63
(MAX)	Pressure level	GR (A)	36/40/45	43/45/47
Net dimension	(WxHxD)	mm	1010×210×467	1214×210×467
Net weight		kg	22.5	25
Packing dime	nsion (WxHxD)	mm	1110×240×510	1310x240x510
Gross weight		kg	26	28
Piping data			~	
Diameter	Liquid side	mm	Ф6.35	Ф9.52
Diametel	Gas side	mm	Ф12.7	Ф15.88
Drain pipe		mm	DN25	DN25

R32 Medium ESP Ducted Unit Heat Pump





Model		CTB-D36HR4-F205	CTB-48HVR4	CTB-48HVR4S	CTB-55HVR4S
Outdoor power supply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
•		V	V	V	V
Performance					
Cooling Capacity	kW	3.6-10.5-12.8	7.0-14.0-15.5	7.0-14.0-15.5	7.5-16.0-17.0
SEER	w/w	6.1	6.1	6.1	6.1
Heating Capacity	kW	4.35-11.5-13.2	8.0-15.2-16.0	8.0-15.2-16.0	8.5-16.8-17.5
SCOP	w/w	4.0	4.0	4.0	4.0
Cooling energy efficiency class		A++	A++	A++	A++
Heating energy efficiency class		A+	Α+	A+	A+
Indoor airflow(Hi/Lo/Med)	m³/h	1800/1690/1130	2500/2350/1980	2500/2350/1980	2500/2350/1980
Physical data					
Rated power noise level	dB(A)	55-63	56-64	56-64	56-64
Static pressure	Pa	50	50	50	50
Static pressure range	Pa	0-120	0-160	0-160	0-160
Net dimension(WxHxD)	mm	1425x260x643	1279x307x830	1279x307x830	1279x307x830
Packing(WxHxD)	mm	1490x325x720	1395x380x920	1395x380x920	1395x380x920
Panel Net/Gross weight	kg	49/52	49/56	49/56	49/56
Piping data					
Diameter Liquid side/Gas side	mm	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88
Drain pipe	mm	DN25	DN25	DN25	DN25

l.The cooling condition TI condition: indoor side $27^{\circ}C(80.6^{\circ}F)$ DB, $19^{\circ}C(60^{\circ}F)$ WB, outdoor side $35^{\circ}C(95^{\circ}F)$ DB. 2.The heating condition: indoor side $20^{\circ}C(68^{\circ}F)$ DB, $15^{\circ}C(44.6^{\circ}F)$ WB, outdoor side $7^{\circ}C(42.8^{\circ}F)$ DB.

3. Sound level: measured at a point Im 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.

*: We suggest that for 18K&24K units, external static pressure is lower than 30Pa, for 36K units, external static pressure is lower than 80Pa. If higher static pressure is needed, please

· Constant Air Flow **Ducted Unit**

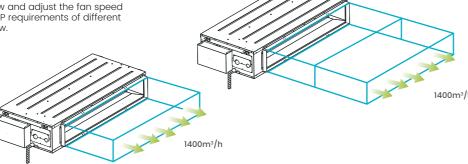
Controller



• Features

Constant air flow

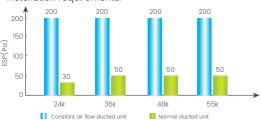
The unit will detect required air flow and adjust the fan speed automatically, to meet different ESP requirements of different duct length and keep same air flow.





High ESP

The max. static pressure is up to 200Pa and keep same air flow volume at high ESP, to meet different installation requirements.





DC motor

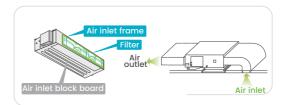
Standard with brushless DC fan motor. Fan speed is regulated steplessly by PCB according to motor running current, so the air flow could keep same while guarantee the lower noise and better comfort for any space.

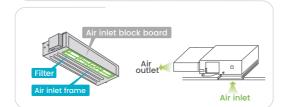




Flexible installation

Air return method is optional by actual installation, from rear or from bottom, it is convenient for installation.





-Specification-

Constant Air Flow Ducted Unit Heat Pump (52) (ETP)





Model		CTB-D24HR4-F203	CTB-D36HR4-F2051	CTB-D48HR4-FS04	CTB-D55HR4-FS04
Outdoor power supply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
~		~		V	V
Performance					
Cooling Capacity	kW	2.9-7.0-8.0	3.6-10.5-12.8	7.0-14.0-15.5	7.5-16.0-17.0
SEER	w/w	6.1	6.1	6.1	6.1
Heating Capacity	kW	3.3-7.7-8.5	4.4-11.5-13.2	8.0-15.2-16.0	8.5-16.8-17.5
SCOP	w/w	4.0	4.0	4.0	4.0
Cooling energy efficiency class		A++	A++	A++	A++
Heating energy efficiency class		Α+	A+	A+	Α+
Indoor airflow(Hi/Lo/Med)	m³/h	1400/1200/1000	1950/1650/1350	2400/2040/1680	2400/2040/1680
Physical data					
Power noise level	dB(A)	42-63	45-63	56-64	56-64
Pressure noise level	dB(A)	31-52	34-52	45-53	45-53
Rated static pressure	Pa	30	50	50	50
Static pressure range	Pa	0-200	0-200	0-200	0-200
Net dimension(WxHxD)	mm	1190x260x643	1425x260x643	1279x307x830	1279x307x830
Packing(WxHxD)	mm	1255x325x720	1490x325x720	1420x380x945	1420x380x945
Panel Net/Gross weight	kg	31.8/36.3	38.0/43.0	49.0/56.0	49.0/56.0
Piping data					
Diameter Liquid side/Gas side	mm	Φ9.52/Φ15.88	Φ 9.52 / Φ 15.88	Φ 9.52/ Φ 15.88	Ф 9.52/ Ф 15.88
Drain pipe	mm	DN25	DN25	DN25	DN25

l.The cooling condition TI 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.

*: We suggest that for IBK&24K units, external static pressure is lower than 30Pa, for 36K units, external static pressure is lower than 80Pa. If higher static pressure is needed, please





Features



Carpet style heating

Console adopts upper and lower dual air supply design, The lower air outlet port uses the principle of adherent flow to achieve hot air covering the entire room along the ground, and the upper air outlet perfects the airflow organization to achieve rapid temperature control. Indoor comfort is comparable to floor heating, but the heating efficiency is far better than floor heating equipment.





Large air supply range

After repeatedly optimizing the air outlet panel and air guide strip of the console, the air supply angle of the upper air outlet reaches 60°, covering the entire room easily. Compared with the traditional wall-mounted unit, the console is equipped with a DC motor fan with a larger fan blade area and higher air output efficiency. On the basis of almost unchanged energy consumption, the air volume and air supply range are greatly increased.







High efficiency and low noise

Both the indoor and outdoor units are designed with DC motors, which can perform stepless speed regulation according to the system load, with higher operating efficiency and lower operating noise.



World famous brand spare parts

All purchased spare parts are from world famous brands, and the quality is stable and reliable.



Specification—



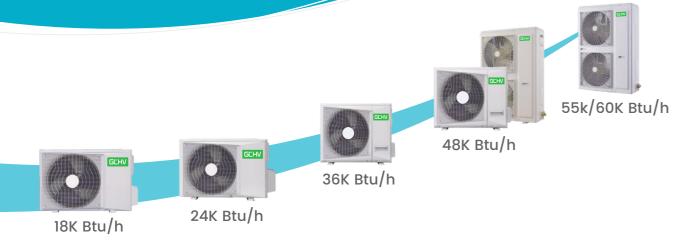




Console IDU			CZA-D09HR4-ZA	CZA-D12HR4-ZA	CZA-D18HR4-ZA
Power	r supply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	V		<u> </u>	~	<u> </u>
Capacit	ту				
	Capacity	Btu/h	4500~9000~9900	6000~12000~13200	9000~18000~19800
Cooling	Cupacity	kW	1.3~2.6~2.9	1.76~3.5~3.87	2.64~5.3~5.80
Cooming	Input	W	35~40~45	35~40~45	40~45~50
	Rated current	А	0.20	0.20	0.22
	Capacity	Btu/h	5000~10000~11000	6500~13000~14300	9500~19000~20900
Heating	Cupacity	kW	1.5~2.9~3.2	1.91~3.8~4.19	2.78~5.6~6.13
riedirig	Input	W	35~40~45	35~40~45	40~45~50
	Rated current	А	0.20	0.20	0.22
Physica	l data				
Indoor a	ir flow(Hi/Mi/Lo)	m³/h	520/480/420	560/520/480	610/560/520
Indoor n	oise(Hi/Mi/Lo)	dB(A)	39/37/35	41/39/37	43/41/39
Sound p	ower noise(Hi/Mi/Lo)	dB(A)	50/48/46	52/50/48	54/52/50
Net dime	ension(WxHxD)	mm	700x630x2l5	700x630x215	700x630x215
packing	dimension(WxHxD)	mm	790x700x275	790x700x275	790x700x275
Net/Gros	ss weight	kg	15/18	15/18	15/18
Piping d	lata				
Liquid/G	Bas	mm	6.35/9.52	6.35/9.52	6.35/12.7
Drainage	e pipe	mm	DN25	DN25	DN25
Applicat	ion area	m²	12-18	16-23	23-34
Dehumic	dification	kg/h	0.6	0.84	1.27



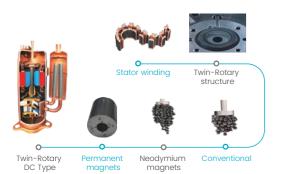
DC Inverter Mono LCAC **Universal Outdoor Unit**



• Features



High efficiency rotary DC inverter compressor, system can operate in the best performance due to adjustable frequency.





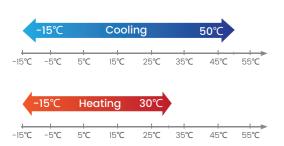
Brand-new design

Brand-new outdoor unit design, external stop valve for easy installation and maintenance, there is also plastic cover to protect it from environmental erosion and accidental



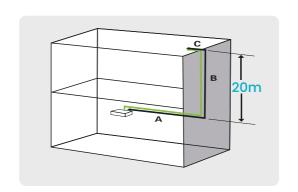


Wide operation range
Wide outdoor operation range realize Wide outdoor operation range, realize normal running in the critical conditional.





Refrigerant piping Long piping design, for ≥10.5kw, the MAX pipe length is 50m, and height difference is 20m.



Specification

R32 Heat Pump



Outdoor unit			COU-V48HZR4-050D	COU-V55HZR4-050D	
Power sup	ply	V/N/Hz	380-415/3/50	380~415/3/50	
	V		V	V	
Cooling capac	city	kW	14	16	
Heating capac	city	kW	15	17	
Max. power in	out	W	5400	7200	
Max. current in	put	А	10.0	13.5	
Physical data					
Compressor			DC/Twin-rotary	DC/Twin-rotary	
Outdoor air flo	W	m³/h	5500	5500	
Outdoor press	ure noise level	dB(A)	65	65	
	Net(WxHxD)	mm	985×400×1335	985×400×1335	
Outdoor unit	Packing(WxHxD)	mm	1010×415×1445	1010×415×1445	
	Net/Gross weight	kg	83/93	80/90	
Refrigerant typ	e/quantity	g	R32/2600	R32/2500	
	Liquid/Gas side	mm	Φ 9.52/ Φ 15.88	Φ9.52/Φ15.88	
Refrigerant	Max.pipe length	m	50	50	
piping	Max.high drop	m 20		20	
	Cooling	°C	-15~50	-15~50	
Ambient temp	Heating	°C	-15~30	-15~30	

R410a Heat Pump



Outdoor unit			COU-V18HR1 -AA01	COU-V24HR1 -A01	COU-V36HR1 -D01	COU-V36HZR1 -D01	COU-V48HR1 -D01	COU-V48HZR1 -D01	COU-V60HZR1 -050D
Power sup	oly	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380~415/3/50	220-240/1/50	380~415/3/50	380~415/3/50
					V	V	V	V	
Cooling capac	ity	kW	5.3	7.0	10.5	10.5	14.0	14.0	16.0
Heating capac	ity	kW	5.3	7.0	10.5	10.5	14.0	14.0	17.6
Max. input cons	sumption	W	2200	3220	3800	3800	4900	4900	6400
Max. current		Α	9.6	14.0	16.5	6.0	21.3	7.7	11.5
Physical data									
Compressor			DC/Rotary	DC/Rotary	DC/Twin-rotary	DC/Twin-rotary	DC/Twin-rotary	DC/Twin-rotary	DC/Twin-rotary
Outdoor noise	level	dB(A)	≤51	≤53	≤57	≤57	≤58	≤58	≤58
	Net(WxHxD)	mm	804×304×496	880×345×555	1032×445×807	1032×445×807	1032×445×807	1032×445×807	985×400×1335
Outdoor unit	Packing(WxHxD)	mm	850×350×550	915×380×605	1075×495×875	1075×495×875	1075×495×875	1075×495×875	1010×415×1445
	Net/Gross weight	kg	28.2/30.0	34.2/36.7	60.5/64.5	60.5/64.5	66.5/70.5	67.3/70.6	80.0/90.0
Refrigerant type	e/quantity	g	R410A/1400	R410A/1600	R410A/2300	R410A/2300	R410A/3250	R410A/3250	R410A/3400
	Liquid/Gas side	mm	Ф6.35/Ф12.7	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88
Refrigerant piping	Max.pipe length	m	15	20	50	50	50	50	50
	Max.high drop	m	8	10	20	20	20	20	20
	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
Ambient temp.	Heating	°C	-15~30	-15~30	-15~30	-15~30	-15~30	-15~30	-15~30



- 1. The cooling condition TI 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.

· Round flow cassette

Controller



Features

New Panel

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



360° air flow

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





Ultra-thin body design

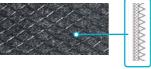
Ultra-thin body design, the min. Height is only 230m, saves installation space.

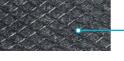




Cold catalyst filter PM2.5 Cold catalyst filter for optional

Cold catalyst filter for optional to absorb small particles to adjust atmospheric particulate matter lower than PM2.5.

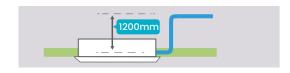






Built-in water pump

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.



-Specification-

R32 Heat Pump



Indoor unit			CCA-V48HR4-Q305	CCA-V55HR4-Q305
Power su	Power supply V/N/Hz		220-240/1/50	220-240/1/50
	~			<u> </u>
Cooling cap	pacity	kW	14	16
Heating cap	pacity	kW	15	17
Physical do	ata			V
Indoor fan r	motor		AC	AC
Indoor air fl	Indoor air flow m³/h		1800	1800
Indoor pres	sure noise level	dB(A)	42~53	42~53
	Net(WxHxD)	Body(mm)	840×285×840	840×285×840
	NOT(WATIAD)	Panel(mm)	950×50×950	950×50×950
Indoor unit	Packing(WxHxD)	Body(mm)	920×310×920	920×310×920
iridoor uriit	r doking (vvxi ixb)	Panel(mm)	1030×100×1030	1030×100×1030
	Net/Gross weight	Body(kg)	30.5/36	30.5/36
	not, cross weight	Panel(kg)	6.5/9.5	6.5/9.5
Refrigerant	liquid/gas piping	mm	Ф9.52/Ф15.88	Φ9.52/Φ15.88
Drainage pi	ipe	mm	DN25	DN25

- The cooling condition TI 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 in 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 Heat Pump

Indoor unit		CCR-V18HR1-Q303	CCR-V24HR1-Q303	CCR-V36HR1-Q305	CCR-V48HR1-Q305	CCA-V60HR1-Q305		
Power s	upply	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	kW	5.3	7.0	10.5	14.0	16.0	
Cooling	EER	w/w	3.1	3.1	3.1	3.1	3.0	
Heating	Capacity	kW	5.3	7.0	10.5	14.0	17.6	
riedirig	COP	w/w	3.5	3.5	3.4	3.5	3.21	
Physical d	ata							
Indoor air f	low	m³/h	950	1250	1600	1900	1900	
Indoor nois	e level	dB(A)	35-40	32-42	45-52	45-52	45-52	
	N. (W. U. 5)	Body(mm)	840x230x840	840x230x840	840x285x840	840x285x840	840x285x840	
	Net(WxHxD)	Panel(mm)	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950	
	Develor or (MALLED)	Body(mm)	920x265x920	920x265x920	920x310x920	920x310x920	920x310x920	
Indoor unit	Packing(WxHxD)	Panel(mm)	1030x100x1030	1030x100x1030	1030x100x 1030	1030x100x1030	1030x100x1030	
	Net/Gross weight	Body(kg)	25/30	25/30	29/33.5	30.5/36	30.5/36	
	Net/Gross weight	Panel(kg)	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5	
Refrigerant	liquid/gas piping	mm	Φ6.35/Φ12.7	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88	
Drainage pipe mm		mm	DN25	DN25	DN25	DN25	DN25	



- . The cooling condition TI condition: indoor side $27^{\circ}C(80.6^{\circ}F)$ DB, $19^{\circ}C(60^{\circ}F)$ WB, outdoor side $35^{\circ}C(95^{\circ}F)$ 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 Im 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

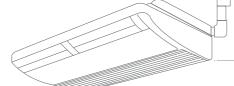


• Features •



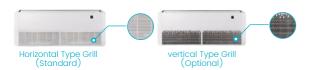
Flexible installation, you can choose ceiling suspended and floor standing installation style according to actual project





2 types of Grills available

Two types of grills are available, horizontal stripes and vertical





3D airflow

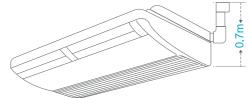
Auto-swing function, built-in 3 louver motors, realize vertical and horizontal air-flow adjustment.





Water pump

External water pump is optional, the pumping head is up to





Display panel

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



Specification –

R32 Heat Pump



Indoor unit			CUA-V48HR4-LDBC	CUA-V55HR4-LDBC	
Power supply V/N/Hz		V/N/Hz	220-240/1/50	220-240/1/50	
	•		•	~	
Cooling ca	oacity	kW	14	16	
Heating ca	pacity	kW	15	17	
Physical do	ıta				
Indoor fan i	motor		AC	AC	
Indoor air fl	OW	m³/h	2100	2100	
Indoor pres	sure noise level	dB(A)	46-55	46-55	
Indoor unit	Net(WxHxD)	mm	1670x675x235	1670x675x235	
maoor arm	Packing(WxHxD)	mm	1750X770X325	1750X770X325	
Net/Gross weight		kg	40/46	40/46	
Refrigerant liquid/gas piping mm		mm	Ф9.52/Ф15.88	Ф9.52/Ф15.88	
Drainage pipe mm		mm	DN25	DN25	

- 1. The cooling condition TI 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 Heat Pump

Indoor unit			CUA-VI8HRI-LDBA	CUA-V24HR1-LDBA	CUA-V36HR1-LDBB	CUA-V48HR1-LDBC	CUA-V60HR1-LDBC
Power su	pply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	•		_		•	•	•
Capacity			~				
Cooling	Capacity	kW	5.3	7.0	10.5	14.0	16.0
Heating	Capacity	kW	5.3	7.0	10.5	14.0	17.6
Physical da	ta						
Indoor air flo	w(high speed)	m³/h	1100	1200	1600	2100	2100
Indoor noise	level	dB(A)	49-53	48-52	51-57	46-55	46-55
Dimension(V	VxHxD)	mm	1050×675×235	1050×675×235	1250×675×235	1670×675×235	1670×675×235
Packing(Wxl	HxD)	mm	1130×765×330	1130×765×330	1380×765×325	1750×765×325	1750×765×325
Net/Gross w	eight	kg	26.5/31	26.5/31	32/37	40/46	40/46
Piping data			~				
Refrigerant li	quid/gasg side	mm	Ф6.35/Ф12.7	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88
Drainage pip	ре	mm	DN25	DN25	DN25	DN25	DN25



- 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 Im 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**



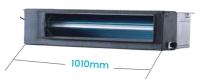


Features



Short body design

Short body, 1010mm length, easy to Install, low noise and light weight, suitable for hotel room.





High heat exchange efficiency

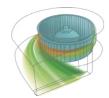
V shaped evaporator design, increasing the heating exchanger efficiency.





Centrifugal fan blade

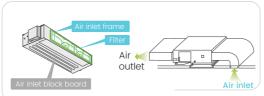
Adopting aviation centrifugal fan blade with special air tunnel design, as well as fan motor anti-vibration measure, benefit to increase air flow and decrease the noise.







Flexible installation





Big air flow low noise centrifugal fan wheel

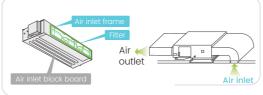
Big air flow low noise centrifugal fan blade with special air tunnel system, and the unique shock absorption measures, making this series ducted units' running noise is as low as 28 dB(A), let users to enjoy the comfort, sleep without any disturbance.

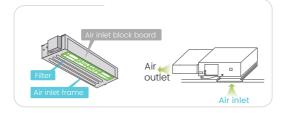


Water pump is optional, pump head is up to 700mm.



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





-Specification-



Model			CTA-V18HR1-F102	CTA-V24HR1-F103	
Indoor p	ower supply	V/N/Hz	220-240/1/50	220-240/1/50	
	•		•	•	
Performano	e		~		
Cooling	Capacity	kW	5.3	7.0	
Heating	Capacity	kW	5.3	7.0	
Physical do	ta				
Indoor air flo	Indoor air flow(high speed) m³/h		750	800	
Static press	ure	Pa	0-30	0-30	
Indoor noise	e level	dB(A)	28-38	29-39	
	Net(WxHxD)	mm	1010x210x467	1279×210×467	
Indoor unit	Packing(WxHxD)	mm	1110x240x510	1310×240×510	
	Net/Gross weight	kg	21.5/24.5	25/28	
Piping data	Piping data		V		
Refrigerant	liquid/gas side pipe	mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	
Drainage pi	Drainage pipe mm		DN25	DN25	



- 1. The cooling condition TI 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 Im 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



Medium ESP **Ducted Unit**

Controller



Features



260mm ultra thin body, easy to Install, low noise and light weight, suitable for hotel room.



Wide application

50Pa ESP design for medium static pressure duct, duct connected installation meet for different room structure, and it can be customized to 70Pa ESP.







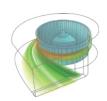
L size type

U size type

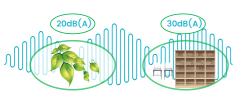
Narrow type

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









Body-side E-box

Body-side is E-box, convenient installation and

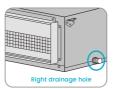




Convenient for drainage pipe installation

Reserved drainage pipe outlet holes on left side and right side, installer can choose the outlet holes on site as per actual conditions, flexible for drainage pipe installation.

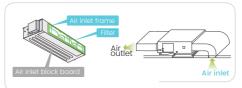


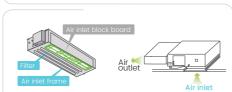




Flexible installation

Air return method is optional by actual installation, from





-Specification-

R32 Heat Pump



Indoor unit		CTB-V48HR4-F205	CTB-V55HR4-F205
Power supply V/N/Hz		220-240/1/50	220-240/1/50
•		•	<u> </u>
Capacity			
Cooling capacity	kW	14	16
Heating capacity	kW	15	17
Physical data			
Indoor fan motor		AC	AC
Indoor air flow	m³/h	1900	1900
Rated static pressure	Ра	50	50
Static pressure range	Ра	0-80	0-80
Indoor noise level	dB(A)	40-52	40-52
Dimension(WxHxD)	mm	1425×643×260	1425×643×260
Packing(WxHxD)	mm	1490×720×325	1490×720×325
Net/Gross weight	kg	45/51	45/51
Piping data		~	
Refrigerant liquid/gasg side	mm	Φ6.35/Φ12.7	Ф9.52/Ф15.88
Drainage pipe	mm	DN25	DN25

R410a Heat Pump



Model		CTB-V36HR1-F203	CTB-V48HR1-F205	CTB-60HVR1	
Indoor p	Indoor power supply V/N/Hz		220~240/1/50	220~240/1/50 220~240/1/50	
Performanc	e		~		
Cooling	Capacity	kW	10.5	14.0	16.0
Heating	Capacity	kW	10.5	14.0	17.6
Physical da	ta				
Indoor air flo	Indoor air flow(high speed) m³/h		1300	1900	2000
Static pressi	ure	Ра	50-70	50-70	50-70
Indoor noise	e level	dB(A)	33-42	40-52	40-52
	Net(WxHxD)	mm	1190×260×643	1425x260x643	1425x260x643
Indoor unit	Packing(WxHxD)	mm	1255×325×720	1490x325x720	1490x325x720
	Net/Gross weight	kg	32/37	45/51	45/51
Piping data			~		
Refrigerant liquid/gas side pipe mm		Ф9.52/Ф15.88	Ф9.52/Ф15.88	Ф9.52/Ф15.88	
Drainage pi	Drainage pipe mm		DN25	DN25	DN25

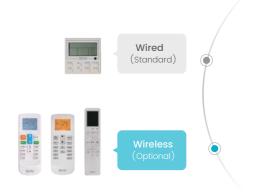
- The cooling condition TI condition: indoor side $27^{\circ}C(80.6^{\circ}F)$ DB, $19^{\circ}C(60^{\circ}F)$ WB, outdoor side $35^{\circ}C(95^{\circ}F)$ DB.
- 2.The heating condition: indoor side 20°C(68°F) DB, 15°C(44.6°F) WB, outdoor side 7°C(42.8°F) DB.

 3.Sound level: measured at a point Im 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







48K-60K Btu/h

Features



Centrifugal fan

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.

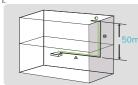






Refrigerant piping

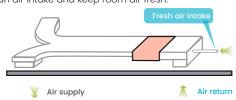
Max. refrigerant pipe length is 50m, Max.Difference in height is 20m.





Fresh air intake

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





Wide application

150Pa ESP is standard, it is suitable for long distance air supply and flexible air duct installation, especially for different irregular size room.



L size type





U size type

Narrow type

Specification -

R32 & R410A Heat Pump 🚱 🕼





Model			CTH-V48HR4-F305	CTH-V55HR4-F305	CTH-V48HR1-F305	CTH-60HVR1
Indoor power supply V/N/		V/N/Hz	220-240/1/50	220-240/1/50	220~240/1/50	220~240/1/50
	V		V	V	V	V
Performance			~			
Cooling	Capacity	kW	14.0	16.0	14.0	16.0
Heating	Capacity	kW	15.0	17.0	14.0	17.6
Physical data						
Indoor air flow(high speed)		m³/h	2300	2300	2300	2300
Static pressure		Pa	120	120	150	150
Indoor noise level dB(dB(A)	44-54	44-54	44-52	44-52
Indoor unit	Net(WxHxD)	mm	1175×625×370	1175×625×370	1175x370x621	1175x370x621
	Packing(WxHxD)	mm	1245×655×445	1245×655×445	1245x445x655	1245x445x655
	Net/Gross weight	kg	47/51	47/51	47/51	47/51
Piping data			~			
Refrigerant type			R32	R32	R410A	R410A
Refrigerant liquid/gas side pipe		mm	Ф9.52/Ф 15.88	Ф 9.52/Ф 15.88	Ф9.52/Ф 15.88	Ф9.52/Ф 15.88
Drainage pipe		mm	DN25	DN25	DN25	DN25

· Controller



NT-03A





NT-06A

Wireless controller

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

Wired controller

- LCD display
- 5/8/10 m wire length
- 5 Operation modes: Auto, Cool, Dehumidification, Heat, Fan
- Timer ON/OFF setting up to 24Hr
- Temperature control range 16-32℃
- Three fan speed selection
- Touch screen wire controller can realize WiFi function



ZKX-C/TE-05





ZKX-C/TE-06 ZKX-C/TE-06B







CPS-D178

CPS-D179

CPS-D180







CSP-D184-01P



3-core LCAC Centralized Board



CSP-D181-01P



WiFi Module



Central Controller

Central control and WiFi control

- 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.
- Control the AC through the phone easily while you are away