



50Hz/60Hz Inverter Light Commercial
Product Catalogue



GIWEE | GCHV
Guangdong Giwee Technology Co.,Ltd.
Guangdong Chigo Heating & Ventilation Equipment Co.,Ltd.

📍 No. 28, Eastern Industrial Park, Lishui Town, Nanhai District, Foshan City,
Guangdong Province, China, P.C: 528244

✉ isc@giwee.com 🌐 www.giwee.com

☎ 86-757-88781037 📠 86-757-88789825



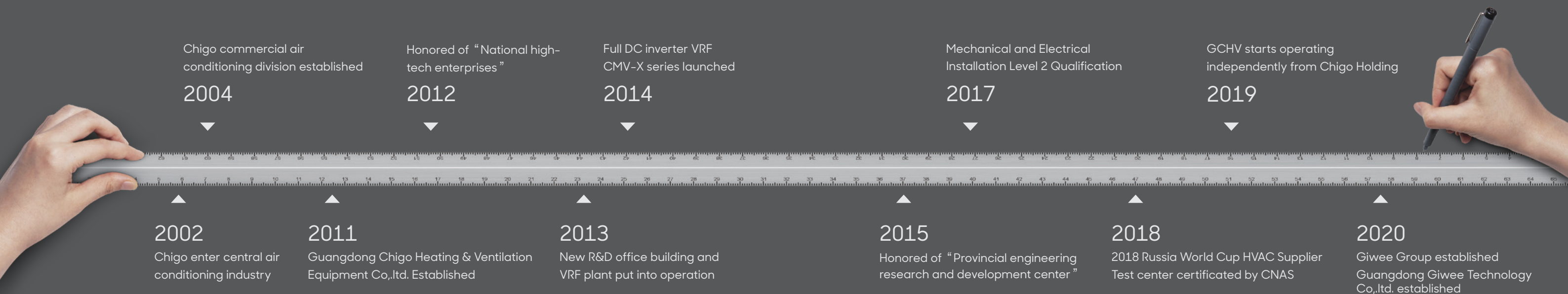


About GIWEE | GCHV

Established in 2011, Guangdong Chigo Heating & Ventilation Equipment Co., Ltd. (GCHV) is a professional central air conditioning equipment manufacture and supply enterprise integrating R&D, testing, manufacturing, marketing, project design, sales and after sales service. GCHV covers an area of 167,000 square meters, with more than 120,000 square meters of plants and 14 modern first class production lines.

GCHV's annual output of central air conditioners exceeds 2 million sets, which including VRF, modular chiller, light commercial air conditioners, air source heat pumps and other products. GCHV's products are in great demand on 100 countries and regions and has accomplished thousands of reference projects worldwide, which enabled it become the top 3 central air conditioner supplier in china.

In 2020, Guangdong Giwee Group Co., Ltd. Established, Guangdong Giwee Technology Co., Ltd and Guangdong Chigo Heating & Ventilation Equipment Co., Ltd are its subsidiaries.





Production Capacity

GCHV has 14 advanced production lines and an annual production capacity of over 1.5 million sets.

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

Robotic Assembly Arm



Automatic Packing Robot



AGV System



MES System



Quality Superiority



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

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

Certification

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

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





Enthalpy Difference Lab



Laboratory Control Room

R&D Strength



200kg Transport Simulation Platform



Professional Engineers



EMC Lab



Noise Test Lab



200HP Long-term Running Lab



Modular Chiller Test Lab



Electromagnetic Vibration Lab

Directory

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The R&D center of Giwee has more than 200 technical engineers. And 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 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.



LIGHT COMMERCIAL
AIR CONDITIONER

Contents

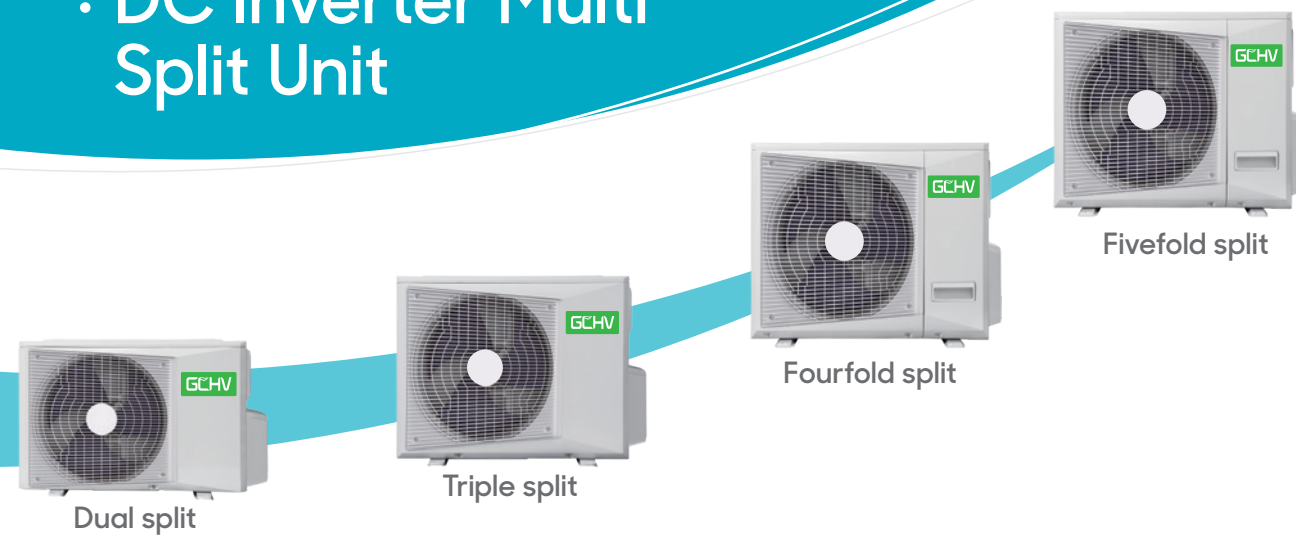
• Multi Split

Capacity(Btu/h)	7,000	9,000	12,000	14,000	18,000	21,000	24,000	27,000	28,000	36,000	42,000
Short Duct Type											
Wall-mounted Type											
Compact cassette											
Console											
Outdoor Unit (1 drives 2)											
Outdoor Unit (1 drives 3)											
Outdoor Unit (1 drive 4)											
Outdoor Unit (1 drive 5)											

• Mono LCAC

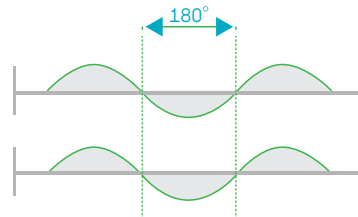
Capacity(Btu/h)	18,000	24,000	36,000	48,000	55,000	60,000
360 Round flow cassette						
Compact 4 way cassette						
Floor-ceiling Unit						
Low ESP Short Ducted Unit						
Medium ESP Ducted Unit						
High ESP Ducted Unit						
ERP Outdoor Unit						
Normal Outdoor Unit						

• DC Inverter Multi Split Unit

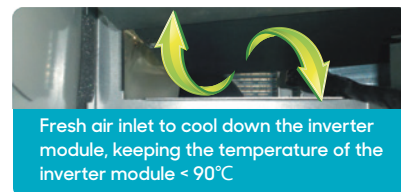


Features

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



 New design E-box, easy to heat elimination.



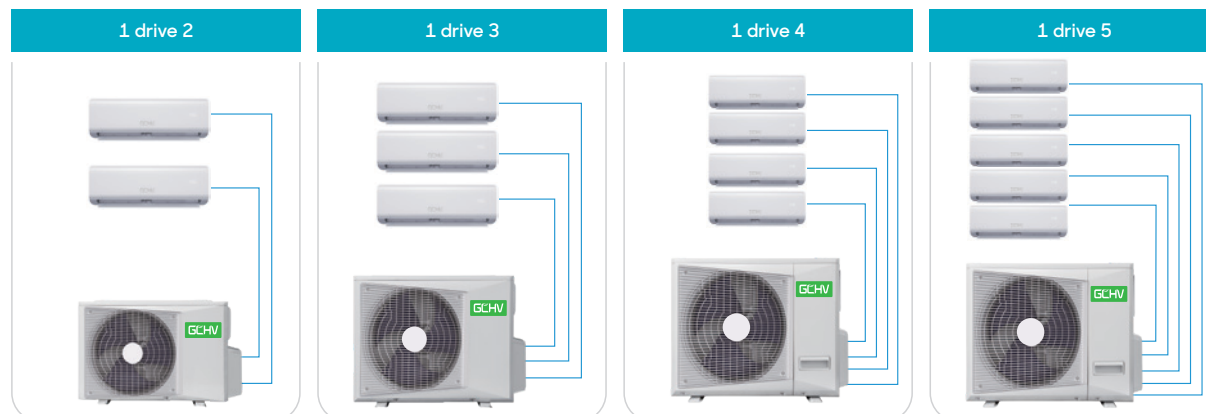
 Wide operating range



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



Matching mode



Specification

R32 Multi Split Outdoor Unit



ODU			C2OU-14HDR4-A	C2OU-18HDR4-A	C3OU-21HDR4-A	C3OU-27HDR4-A	C4OU-28HDR4-A	C4OU-36HDR4-A	C5OU-42HDR4-A
IDU combination			7+7 7+9	9+9 9+12	7+7+7 7+9+9 18+7	9+9+9 12+9+9 18+9	7+7+7+7 12+12+9 18+12 24+7	9+9+9+9 12+12+12 18+18 24+12	9+9+9+9+9 12+12+12+9 18+12+12 24+18
Power supply			220-240/1/50		220-240/1/50		220-240/1/50		220-240/1/50
Capacity			7000-14000		7000-21000		7000-28000		7000-42000
Cooling	Capacity	Btu/h	1280		1650		1930		2472
	Input	W	5.56		7.3		8.4		10.9
	Rated current	A	3.2		3.2		3.2		3.2
	SEER	W/W	6.2		6.1		6.3		6.2
Heating	Capacity	Btu/h	8000-16000		8000-20000		8000-24000		8000-30000
	Input	W	1350		1730		2150		2600
	Rated current	A	6.4		7.97		10.8		10.8
	COP	W/W	3.5		3.4		3.4		3.6
SCOP			4.0		4.0		4.0		4.0
Physical data			55		55		56		58
Noise			880*549*340		880*549*340		935*702*382		935*702*382
Net dimension(WxHxD)			920*600*380		920*600*380		1025*960*430		975*770*435
Packing dimension(WxHxD)			32.4/35.1		33.2/36.0		46.3/49.5		51.3/54.5
Net/Gross weight			2x(6.35/9.52)		2x(6.35/9.52)		3x(6.35/9.52)		3x(6.35/9.52)
Liquid side/Gas side			30		30		45		45
Max. pipe length			10		10		10		10
Max. height difference			-15~52		-15~52		-15~52		-15~52
Ambient temperature(Cooling)			-15~34		-15~34		-15~34		-15~34
Ambient temperature(Heating)			-15~34		-15~34		-15~34		-15~34
Application area			2x(10~15)		2x(12~18)		3x(12~18)		3x(12~18)

Note

- 1.The cooling condition T1 condition: indoor side 27°C(80.6°F) DB, 19°C(66°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.

R32 Wall Mounted type



Wall mounted IDU			CCG-V07HR4-GSA-S40	CCG-V09HR4-GSA-S40	CCG-V12HR4-GSB-S40	CCG-D18HR4-GSC-S40	CCG-D24HR4-GSC-S40
Power supply			220-240/1/50		220-240/1/50		220-240/1/50
Capacity			7000		9000		12000
Cooling	Capacity	Btu/h	35		35		45
	Input	W	0.3		0.3		0.4
	Rated current	A	0.3		0.3		0.4
	SEER	W/W	6.2		6.1		6.3
Heating	Capacity	Btu/h	8000		10000		13000
	Input	W	35		35		45
	Rated current	A	0.3		0.3		0.4
	SCOP	W/W	3.5		3.4		3.6
Physical data			450		450		550
Indoor air flow			30/27/24		33/28/24		36/30/25
Indoor noise level(Hi/Mi/Lo)			50		50		53
Sound power noise level(Hi)			715*295*198		715*295*198		864*300*200
Net dimension(WxHxD)			785*370*285		785*370*285		950*380*290
Packing dimension(WxHxD)			8.5/10.5		8.5/10.5		9.5/12.5
Net/Gross weight			6.35/9.52		6.35/9.52		6.35/12.7
Liquid/Gas			DN17		DN17		DN17
Drainage pipe			10-15		12-18		16-23
Application area			23-34		34-51		

Specification

R32 Cassette Type



CASSETTE 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
Capacity						
Cooling	Capacity	Btu/h	7000	9000	12000	18000
	Input	W	25	25	26	34
	Rated current	A	0.12	0.12	0.12	0.16
Heating	Capacity	Btu/h	8000	10000	13000	19000
	Input	W	25	25	26	34
	Rated current	A	0.12	0.12	0.12	0.16
Physical data						
Indoor air flow(Hi/Mi/Lo)		m³/h	540/490/410	540/490/410	690/610/520	790/710/610
Indoor noise level(Hi/Mi/Lo)		dB(A)	39/36/33	39/36/33	40/37/34	44/41/38
Sound power noise level(Hi)		dB(A)	50	50	54	55
Net dimension(WxHxD)		mm	580x267x580	580x267x580	580x267x580	580x267x580
packing dimension(WxHxD)		mm	755*375*680	755*375*680	755*375*680	755*375*680
Net/Gross weight		kg	16.5/21.5	16.5/21.5	16.5/21.5	16.5/21.5
Piping data						
Liquid/Gas		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 area		m²	10-15	12-18	16-23	23-34

Specification

R32 Console



Console 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
Capacity					
Cooling	Capacity	Btu/h	9000	12000	18000
	Input	kW	1.3~2.6~2.9	1.76~3.5~3.87	2.64~5.3~5.80
	Rated current	W	35~40~45	35~40~45	40~45~50
Heating	Capacity	Btu/h	10000	13000	19000
	Input	kW	1.5~2.9~3.2	1.91~3.8~4.19	2.78~5.6~6.13
	Rated current	A	35~40~45	35~40~45	40~45~50
Physical data					
Indoor air flow(Hi/Mi/Lo)		m³/h	520/480/420	560/520/480	610/560/520
Indoor noise level(Hi/Mi/Lo)		dB(A)	39/37/35	41/39/37	43/41/39
Sound power noise level(Hi/Mi/Lo)		dB(A)	50/48/46	52/50/48	54/52/50
Net dimension(WxHxD)		mm	700x630x215	700x630x215	700x630x215
packing dimension(WxHxD)		mm	790x700x275	790x700x275	790x700x275
Net/Gross weight		kg	15/18	15/18	15/18
Piping data					
Liquid/Gas		mm	6.35/9.52	6.35/9.52	6.35/12.7
Drainage pipe		mm	DN25	DN25	DN25
Application area		m²	12-18	16-23	23-34
Dehumidification		kg/h	0.6	0.84	1.27

R32 Short Duct Type



DUCTED 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
Capacity						
Cooling	Capacity	Btu/h	7000	9000	12000	18000
	Input	W	20	20	30	55
	Rated current	A	0.1	0.1	0.15	0.2
Heating	Capacity	Btu/h	8000	10000	13000	19000
	Input	W	20	20	30	55
	Rated current	A	0.1	0.1	0.15	0.2
Physical data						
Indoor air flow(Hi/Mi/Lo)		m³/h	550/410/340	550/410/340	550/410/340	800/700/600
Indoor noise level(Hi/Mi/Lo)		dB(A)	30/26/23	30/26/23	30/26/23	38/33/29
Sound power noise level(Hi)		dB(A)	47	47	47	58
Net dimension(WxHxD)		mm	814x210x467	814x210x467	814x210x467	1010x210x467
packing dimension(WxHxD)		mm	910x240x510	910x240x510	910x240x510	1110x240x510
Net/Gross weight		kg	17/19.5	17/19.5	17/19.5	22.5/26
Piping data						
Liquid/Gas		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 area		m²	10-15	12-18	16-23	23-34

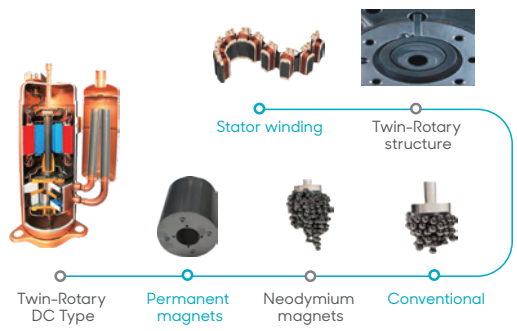
• DC Inverter Mono LCAC
ERP Outdoor unit



Features



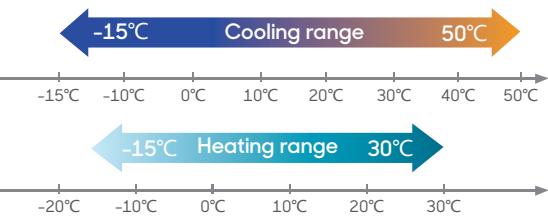
High efficiency twin rotary DC inverter compressor, system can operate in the best performance due to adjustable frequency.



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.



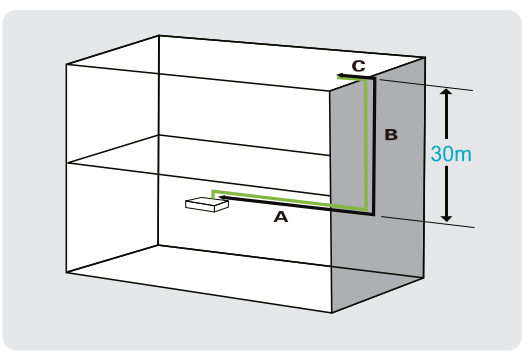
Wide outdoor operation range, the cooling operation temperature is down to -15 degree.



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.



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.



Specification

R32 Heat Pump

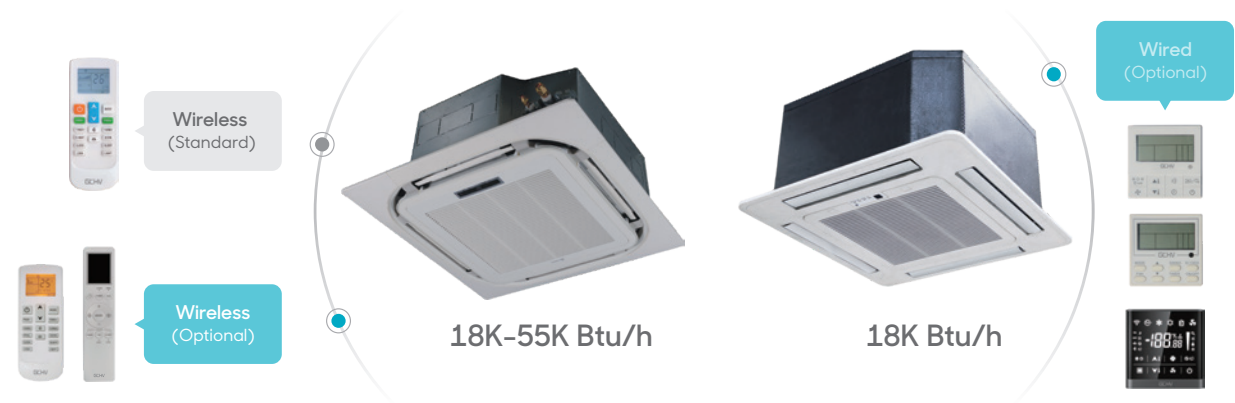
Model		COU-D18HR4-A01	COU-D24HR4-C01	COU-D36HR4-D01	COU-D36HR4-D01	COU-48HR4	COU-48HR4	COU-55HR4
Outdoor power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50
Performance								
Cooling Capacity	Btu/h	18000	24000	36000	36000	48000	48000	55000
	kW	2.0-5.3-5.6	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 Capacity	Btu/h	18000	26000	39000	39000	52000	52000	57000
	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
Physical data								
Compressor		DC/Single-rotary	DC/Twin-rotary	DC/Twin-rotary	DC/Twin-rotary	DC/Twin-rotary	DC/Twin-rotary	DC/Twin-rotary
Fan motor		DC	DC	DC	DC	DC	DC	DC
Outdoor noise level	Power level	66	68	69	69	68	68	68
	Pressure level	52	54	58	58	58	58	58
Outdoor unit	Dimension(WxHxD)	mm	880×555×345	935×702×382	1032×807×445	1032×807×445	1015×1430×450	1015×1430×450
	Packing(WxHxD)	mm	920×600×380	975×770×435	1075×875×495	1075×875×495	1095×1545×485	1095×1545×485
	Net/Gross weight	kg	32.5/35	48.7/52.6	61.3/65	71.2/75	109/123.6	109/123.6
Refrigerant type/quantity		g	R32/1200	R32/1450	R32/2400	R32/2400	R32/3800	R32/3800
Piping data								
Refrigerant piping	Liquid side/Gas side	mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88
	Max. pipe length	m	15(30)	20(50)	50(65)	50(65)	50(65)	50(65)
	Max. high drop	m	8(20)	10(25)	20(30)	20(30)	20(30)	20(30)
Ambient temp	cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
	heating	°C	-15~30	-15~30	-15~30	-15~30	-15~30	-15~30

Note

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

• Cassette Unit

Controller



Features

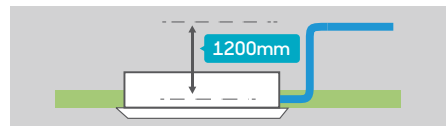
Digital tube display is optional for round flow cassette.



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



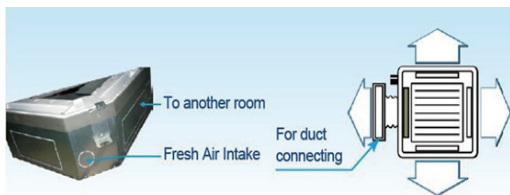
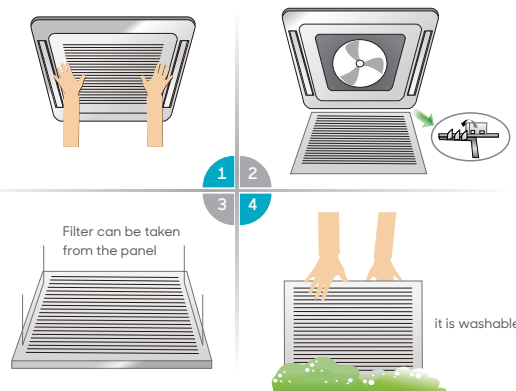
Built-in water pump, pump head up to 1200mm(compact 4-way cassette pump head up to 700mm).



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



Washable filter, convenient installation and maintenance.



Specification

R32 Heat Pump



Model		CCB-D18HR4-Q402	CCR-D18HR4-Q303	CCR-D24HR4-Q303	CCR-D36HR4-Q305	CCR-48HVR4	CCR-48HVR4S	CCR-55HVR4S
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	220-240/1/50
Performance								
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 rate		A+	A++	A++	A++	A++	A++	A++
Heating energy rate		A+	A+	A+	A+	A+	A+	A+
Indoor airflow(Hi/Lo/Med)	m³/h	650	900/800/650	1100/1000/850	1800/1700/1550	2000/1800/1600	2000/1800/1600	2000/1900/1700
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 (WxHxD)	Body	580x267x580	840x230x840	840x230x840	840x285x840	840x285x840	840x285x840	840x285x840
	Panel	650x29.8x650	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950
Packing (WxHxD)	Body	745x375x675	920x265x920	920x265x920	920x310x920	920x310x920	920x310x920	920x310x920
	Panel	750x95x750	1030x100x1030	1030x100x1030	1030x100x1030	1030x100x1030	1030x100x1030	1030x100x1030
Panel Net/ Gross weight	Body	16.5/21.5	25/30	25/30	30.5/36	32/37.5	32/37.5	32/37.5
	Panel	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	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88
Drain pipe	mm	DN25	DN25	DN25	DN25	DN25	DN25	DN25

Note

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

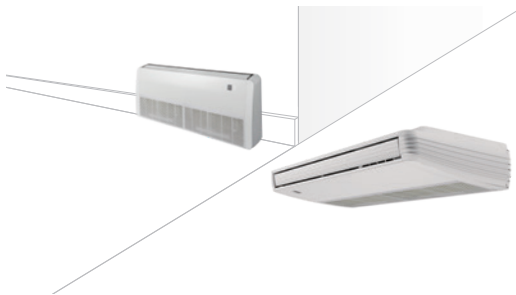
• Floor & Ceiling Unit

Controller

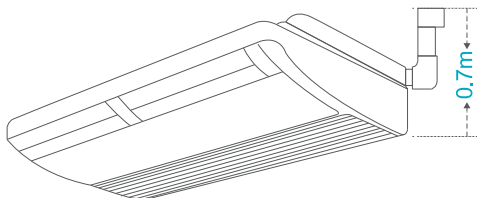


Features

✂ Flexible installation, ceiling suspended and floor standing.



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



🌀 DC motor is standard operating stably and precisely control for temperature.



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



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



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



Specification

R32 Heat Pump  

Model		CUA-D18HR4-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
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 rate		A++	A++	A++	A++	A++
Heating energy rate		A+	A+	A+	A+	A+
Indoor airflow(Hi/Low/Med)	m³/h	1200	1200	1800/1650/1500	2000/1700/1600	2000/1700/1600
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	1250×675×235	1670×675×235	1670×675×235
Packing(WxHxD)		1130×765×330	1130×765×330	1380×765×325	1750×770×325	1750×770×325
Panel Net/Gross weight		26.5/31	26.5/31	31.3/36.2	49/56	49/56
Piping data						
Diameter	Liquid side / Gas side	mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88
Drain pipe		mm	DN25	DN25	DN25	DN25

Note

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

• Low ESP Short Ducted Unit

Controller

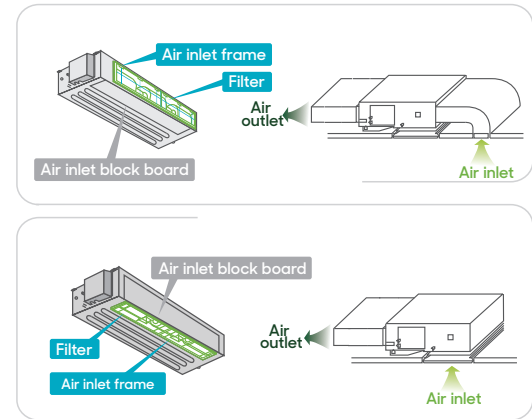
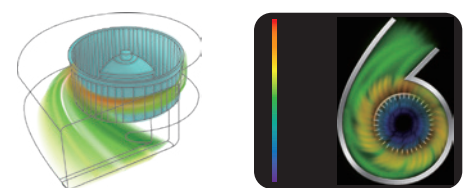


Features

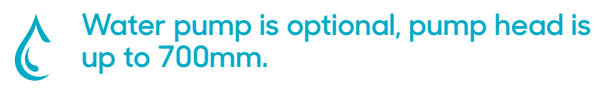
- Short body, 1010 mm length, easy to install, low noise and light weight, suitable for hotel room.
- V shaped evaporator design, increasing the heating exchanger efficiency.



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



- DC motor is standard, operating stably, lower energy consumption and high efficiency.
- Water pump is optional, pump head is up to 700mm.



Specification

R32 Heat Pump

Model			CTA-D18HR4-F102		CTA-D24HR4-F103	
Indoor power supply		V/N/Hz	220-240V/1/50		220-240V/1/50	
Performance			▽		▽	
Cooling	Capacity	Btu/h	18000		24,000	
		kW	2.0-5.3-5.6		2.9-7.0-8.0	
	SEER	6.1		6.1		
	Energy class	A++		A++		
Heating	Capacity	Btu/h	18000		26,000	
		kW	2.2-5.3-5.8		3.3-7.7-8.5	
	SCOP	4.0		4.0		
	Energy class	A+		A+		
Physical data			▽		▽	
Airflow		m³/h	800/700/600		1050/950/750	
Stastic pressure		Pa	30		30	
Static pressure range		Pa	0-60		0-100	
Noise level (MAX)	Power level	dB (A)	46-58		56-63	
	Pressure level		36/40/45		43/45/47	
Net dimension (WxHxD)		mm	1010×210×467		1214×210×467	
Net weight		kg	22.5		25	
Packing dimension (WxHxD)		mm	1110×240×510		1310x240x510	
Gross weight		kg	26		28	
Piping data			▽		▽	
Diameter	Liquid side	mm	Φ6.35		Φ9.52	
	Gas side	mm	Φ12.7		Φ15.88	
Drain pipe		mm	DN25		DN25	

Note

1.The cooling condition T1 condition: indoor side 27°C(80.6°F) DB, 19°C(60°F) WB, outdoor side 35°C(95°F) DB;
2.The heating condition: indoor side 20°C(68°F) DB, 15°C(44.6°F) WB, outdoor side 7°C(42.8°F) DB
3.Sound level: measured at a point 1m in front of the unit at a height of 1.3m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4.The above data may be changed without notice for future improvement on quality and performance.
*.We suggest that for 18K&24K units, external static pressure is lower than 30Pa. If higher static pressure is needed, please contact with supplier.



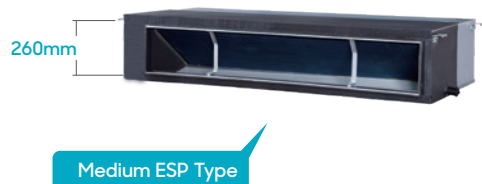
• Medium ESP Ducted Unit

Controller

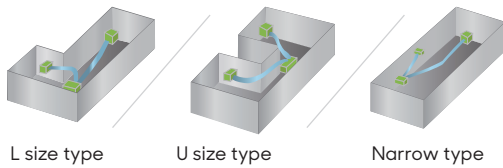


Features

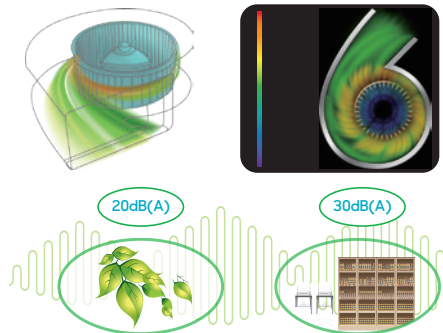
260mm ultra thin body design,saves lots of installation space,fully meet various installation requirements.



High ESP design for medium static pressure duct, duct connected installation meet for different room structure.



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



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



Specification

R32 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
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 rate		A++	A++	A++	A++
Heating energy rate		A+	A+	A+	A+
Indoor airflow(Hi/L0/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	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88
Drain pipe		mm	DN25	DN25	DN25

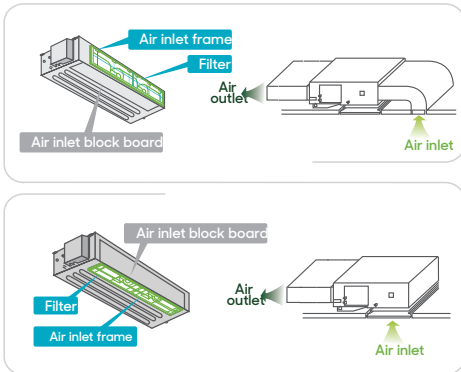
Note

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

World famous brand DC motor is standard ,save energy and control the room temperature more prcisely.



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



• Console



Console

Features



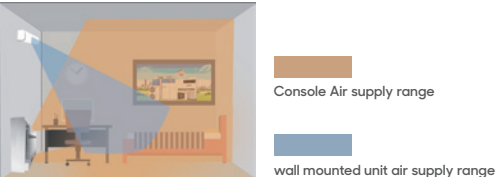
Perfect Air Organization, Carpet Style Heating

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.



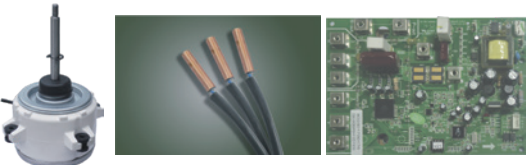
High Efficiency And Low Noise

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



Console 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
Capacity					
Cooling	Capacity	Btu/h	4500~9000~9900	6000~12000~13200	9000~18000~19800
		kW	1.3~2.6~2.9	1.76~3.5~3.87	2.64~5.3~5.80
	Input	W	35~40~45	35~40~45	40~45~50
	Rated current	A	0.20	0.20	0.22
Heating	Capacity	Btu/h	5000~10000~11000	6500~13000~14300	9500~19000~20900
		kW	1.5~2.9~3.2	1.91~3.8~4.19	2.78~5.6~6.13
	Input	W	35~40~45	35~40~45	40~45~50
	Rated current	A	0.20	0.20	0.22
Physical data					
Indoor air flow(Hi/Mi/Lo)		m³/h	520/480/420	560/520/480	610/560/520
Indoor noise(Hi/Mi/Lo)		dB(A)	39/37/35	41/39/37	43/41/39
Sound power noise(Hi/Mi/Lo)		dB(A)	50/48/46	52/50/48	54/52/50
Net dimension(WxHxD)		mm	700x630x215	700x630x215	700x630x215
packing dimension(WxHxD)		mm	790x700x275	790x700x275	790x700x275
Net/Gross weight		kg	15/18	15/18	15/18
Piping data					
Liquid/Gas		mm	6.35/9.52	6.35/9.52	6.35/12.7
Drainage pipe		mm	DN25	DN25	DN25
Application area		m²	12-18	16-23	23-34
Dehumidification		kg/h	0.6	0.84	1.27



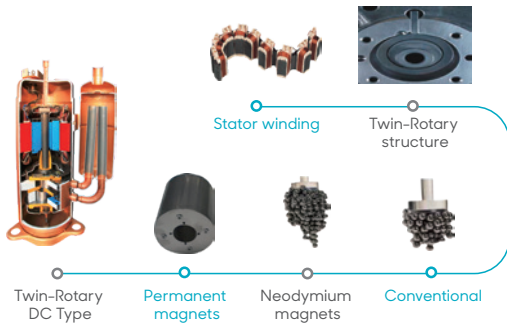
• DC Inverter Mono LCAC Universal Outdoor Unit



Features



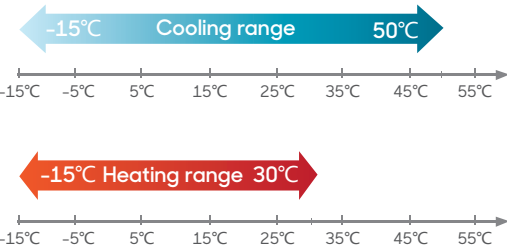
High efficiency rotary DC inverter compressor, system can operate in the best performance due to adjustable frequency.



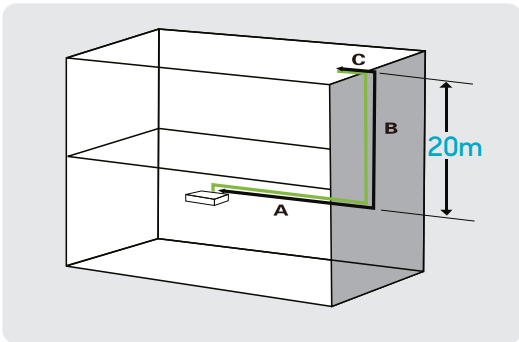
Brand-new outdoor unit design, external stop valve for easy installation and maintenance, there is also plastic cover to protect it from Environmental erosion and accidental damage.



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



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



Specification

R410a Heat Pump



Outdoor unit		COU-V18HR1-AA01	COU-V24HR1-A01	COU-V36HR1-D01	COU-V36HZR1-D01	COU-V48HR1-D01	COU-V48HZR1-D01	COU-60HZVR1
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
Cooling capacity	Btu/h	18000	24000	36000	36000	48000	48000	60000
	kW	5.3	7.0	10.5	10.5	14.0	14.0	16.0
Heating capacity	Btu/h	18000	24000	36000	36000	48000	48000	60000
	kW	5.3	7.0	10.5	10.5	14.0	14.0	17.6
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		≤51	≤53	≤57	≤57	≤58	≤58	≤58
Outdoor unit	Net(WxHxD)	mm	804×304×496	880×345×555	1032×445×807	1032×445×807	1032×445×807	907×400×1330
	Packing(WxHxD)	mm	850×350×550	915×380×605	1075×495×875	1075×495×875	1075×495×875	964×402×1445
	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
Refrigerant type/quantity		g	R410A/1400	R410A/1600	R410A/2300	R410A/2300	R410A/3250	R410A/3250
Refrigerant piping	Liquid/Gas side	mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88
	Max.pipe length	m	15	20	50	50	50	50
	Max.high drop	m	8	10	20	20	20	20
Ambient temp.	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	°C	-15~30	-15~30	-15~30	-15~30	-15~30	-15~30

Note

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

• Round flow cassette

Controller



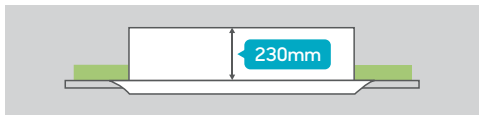
Features

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

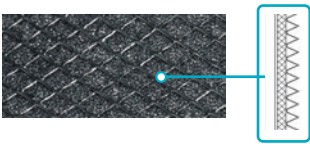
Add four interfaces in body, can be connected with duct to another room.



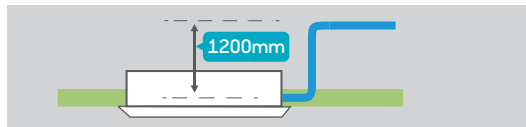
Ultra-thin body design, the min. Height is only 230mm save installation space.



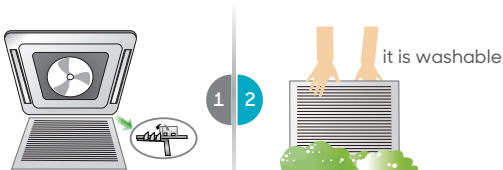
Cold catalyst filter for optional to absorb small particles to abjust Atmospheric Particulate Matter lower than PM2.5.



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



Easy and convenient installation and maintenance, washable filter design.



Specification

R410a Heat Pump



Indoor unit			CCR-V18HR1-Q303	CCR-V24HR1-Q303	CCR-V36HR1-Q305	CCR-V48HR1-Q305	CCR-V60HR1-Q305
Power supply		V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Cooling	Capacity	kW	5.3	7	10.5	14	16
		Btu/h	18000	24000	36000	48000	60000
Heating	Capacity	kW	5.3	7	10.5	14	16
		Btu/h	18000	24000	36000	48000	60000
Physical data							
Indoor air flow		m³/h	950	1250	1600	2100	2100
Indoor noise level		dB(A)	35-40	32-42	45-52	46-55	46-55
Indoor unit	Net(WxHxD)	Body(mm)	840x230x840	840x230x840	840x285x840	840x285x840	840x285x840
		Panel(mm)	950x50x950	950x50x950	950x50x950	950x50x950	950x50x950
	Packing(WxHxD)	Body(mm)	920x265x920	920x265x920	920x310x920	920x310x920	920x310x920
		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
		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	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88
Drainage pipe		mm	DN25	DN25	DN25	DN25	DN25

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

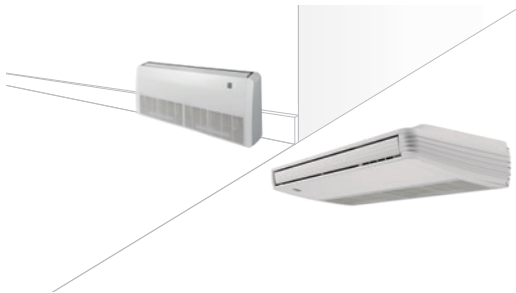
• Floor & Ceiling Unit

Controller

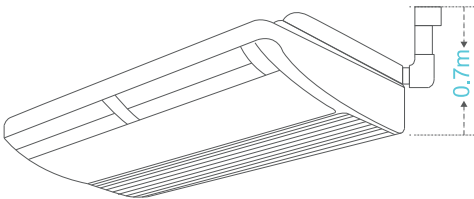


Features

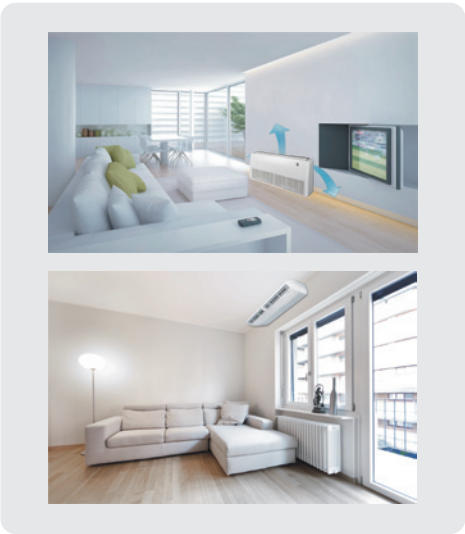
Flexible installation, ceiling suspended and floor standing.



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



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



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



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



Specification

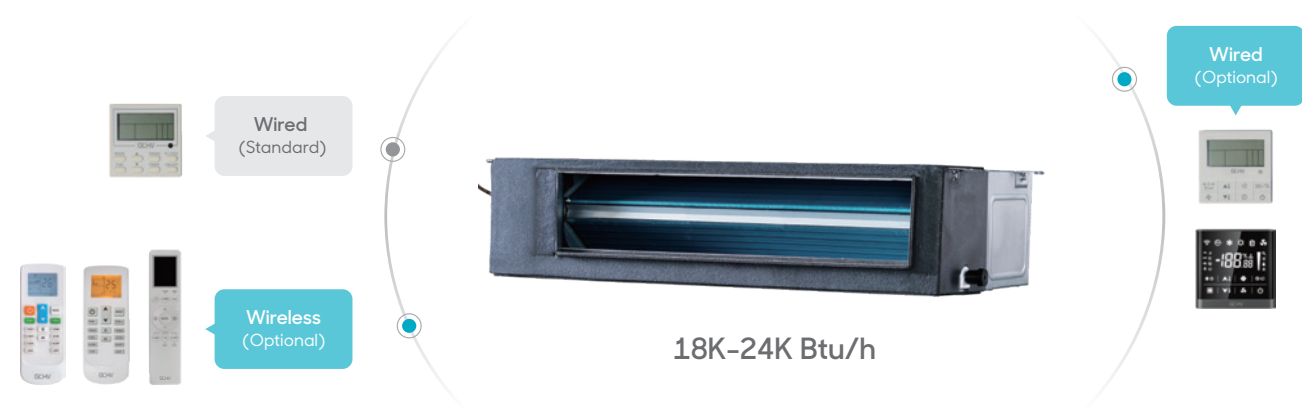
R410a Heat Pump

Indoor unit			CUA-V18HR1-LDBA	CUA-V24HR1-LDBA	CUA-V36HR1-LDBB	CUA-V48HR1-LDBC	CUA-V60HR1-LDBC
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
Capacity							
Cooling	Capacity	kW	5.3	7.0	10.5	14.0	16.0
		Btu/h	18000	24000	36000	48000	60000
Heating	Capacity	kW	5.3	7.0	10.5	14.0	16.0
		Btu/h	18000	24000	36000	48000	60000
Physical data							
Indoor air flow(high speed)		m³/h	1100	1200	1600	2100	2100
Indoor noise level		dB(A)	49-53	46-51	51-57	46-55	46-55
Dimension(WxHxD)		mm	1050×675×235	1050×675×235	1250×675×235	1670×675×235	1670×675×235
Packing(WxHxD)		mm	1130×765×330	1130×765×330	1380×765×325	1750×770×325	1750×770×325
Net/Gross weight		kg	26.5/31	26.5/31	32/37	40/46	40/46
Piping data							
Refrigerant liquid/gasg side		mm	Φ6.35/Φ12.7	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88
Drainage pipe		mm	DN25	DN25	DN25	DN25	DN25

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

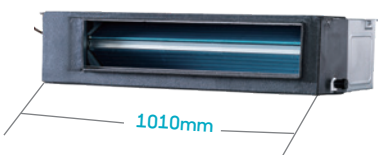
• Low ESP Short Ducted Unit

Controller

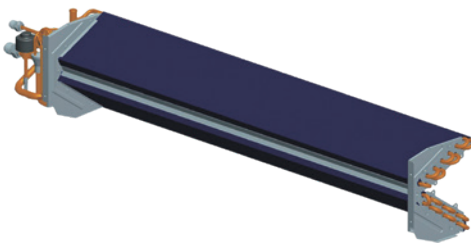


Features

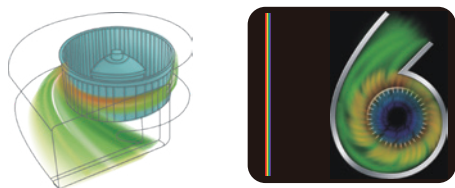
Short body, 1010mm length, easy to install, low noise and light weight, suitable for hotel room.



V shaped evaporator design, increasing the heating exchanger efficiency.



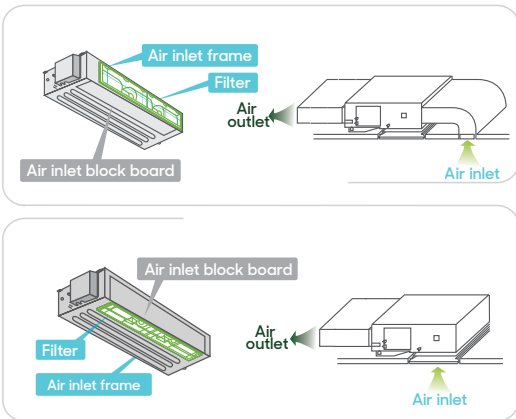
Adopting aviation centrifugal fan blade with special air tunnel design, as well as fan motor anti-vibration measure, benefit to increase air flow and decrease the noise.



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.

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



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

Specification

R410a Heat Pump

Model		CTA-V18HR1-F102	CTA-V24HR1-F103
Indoor power supply		220-240/1/50	220-240/1/50
Performance			
Cooling	Capacity	5.3	7.0
		18000	24000
Heating	Capacity	5.3	7.0
		18000	24000
Physical data			
Indoor air flow(high speed)		750	800
Static pressure		0-30	0-30
Indoor noise level		28-38	29-39
Indoor unit	Net(WxHxD)	1010x210x467	1279x210x467
	Packing(WxHxD)	1110x240x510	1310x240x510
	Net/Gross weight	21.5/24.5	25/28
Piping data			
Refrigerant liquid/gas side pipe		Φ 6.35/Φ 12.7	Φ 9.52/Φ 15.88
Drainage pipe		DN25	DN25

Note

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

Low ESP Short Ducted Unit



Medium ESP Ducted Unit

Controller

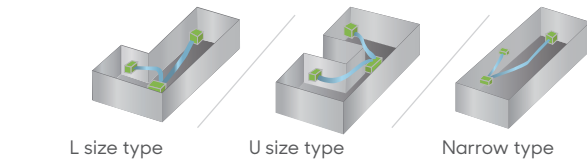


Features

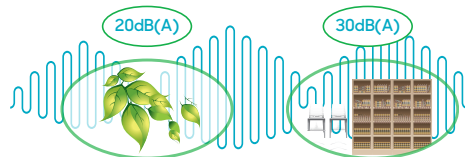
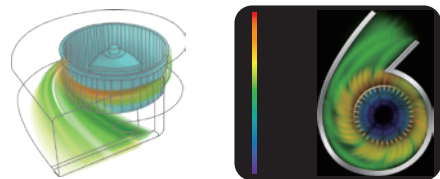
260mm ultra thin body, easy to install, low noise and light weight, suitable for hotel room.



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



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.

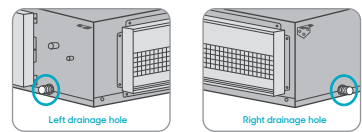


Body-side is E-box, convenient installation and maintenance.

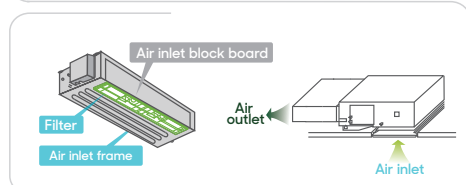
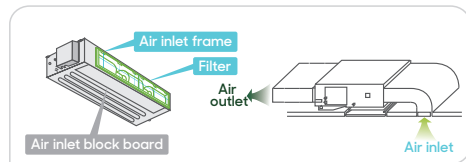


Convenient in drainage pipe installation

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.



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



Specification

R410a Heat Pump



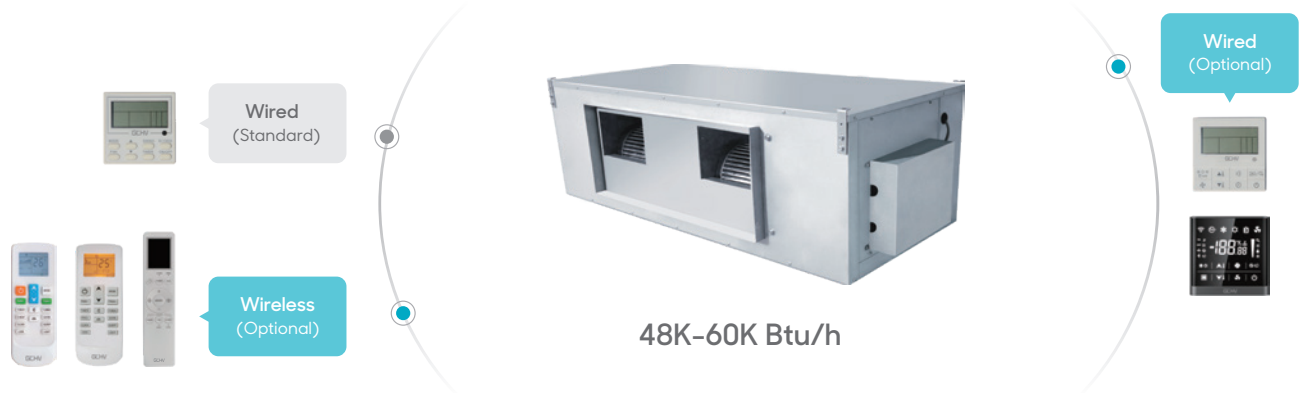
Model			CTB-V36HR1-F203	CTB-V48HR1-F205	CTB-60HVR1
Indoor power supply		V/N/Hz	220~240/1/50	220~240/1/50	220~240/1/50
Performance			▽	▽	▽
Cooling	Capacity	kW	10.5	14.0	16.0
		Btu/h	3600	4800	6000
Heating	Capacity	kW	10.5	14.0	17.6
		Btu/h	3600	4800	6000
Physical data			▽	▽	▽
Indoor air flow(high speed)		m³/h	1300	1900	2000
Static pressure		Pa	50-70	50-70	50-70
Indoor noise level		dB(A)	33-42	40-52	40-52
Indoor unit	Net(WxHxD)	mm	1190×260×643	1425x260x643	1425x260x643
	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	Φ9.52/Φ15.88	Φ9.52/Φ15.88	Φ9.52/Φ15.88
Drainage pipe		mm	DN25	DN25	DN25

Note

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

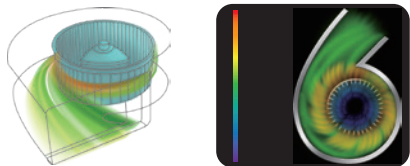
• High ESP Ducted Type Unit

Controller

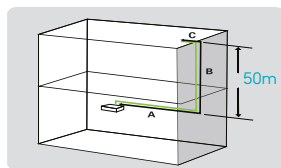


Features

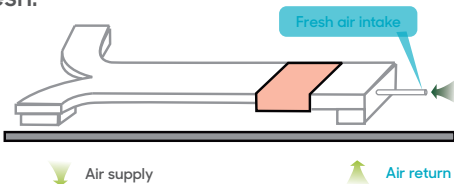
Centrifugal fan, low noise and big airflow.



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



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



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

Specification

R410A Heat Pump



Model			CTH-V48HR1-F305		CTH-60HVR1	
Indoor power supply		V/N/Hz	220~240/1/50		220~240/1/50	
Performance						
Cooling	Capacity	kW	14.0		16.0	
		Btu/h	48000		60000	
Heating	Capacity	kW	14.0		17.6	
		Btu/h	48000		60000	
Physical data						
Indoor air flow(high speed)		m3/h	2300		2300	
Static pressure		Pa	150		150	
Indoor noise level		dB(A)	44-52		44-52	
Indoor unit	Net(WxHxD)	mm	1175x370x621		1175x370x621	
	Packing(WxHxD)	mm	1245x445x655		1245x445x655	
	Net/Gross weight	kg	47/51		47/51	
Piping data						
Refrigerant liquid/gas side pipe		mm	Φ 9.52/ Φ 15.88		Φ 9.52/ Φ 15.88	
Drainage pipe		mm	DN25		DN25	

• Controller

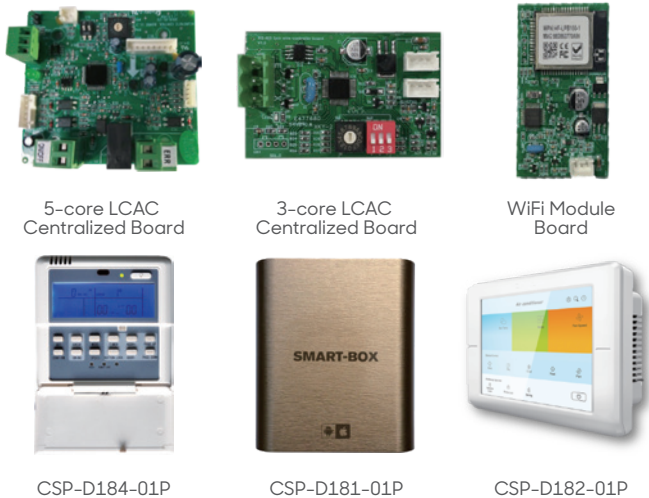


Wireless controller

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

Wired controller

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



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 from home.