



JIANGSU CHUNLAN IMP.&EXP.CO.,LTD.

10Th Floor, Chunlan Global Business Center,Taizhou, Jiangsu,China

General Manager Hotline:+86-523-86993086

FAX: +86-523-866662193

E-mail: gys@chunlan.com

Website: <http://global.chunlan.com>

<http://www.chunlan.com>

Edition:2017 1001

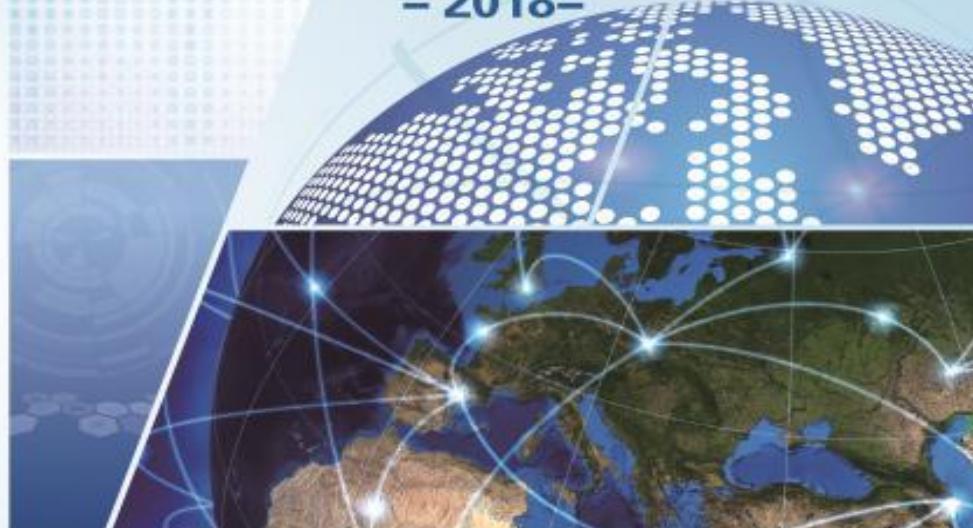
Note:Due to continuous R&D,designs/features and specifications are subject to change without prior notice. As per specific project data,contract should be taken as final and binding.



CHUNLAN

RESIDENTIAL AIR CONDITIONERS

- 2018 -



Contents

Introduction of Chunlan	01
Features	03
Wall Split Series	05
Floor Standing Series	39
Window Series	51



Chunlan Introduction

As one of the largest enterprise in China, Chunlan (Group) corporation is a diversified, high-tech and modern corporation that specializes in manufacturing, scientific research, investment as well as trading areas with multi-independent subsidiaries in China and abroad.

The "Global Open Scientific Research Platform" consisted of Chunlan educational/research institutions, Chunlan Academy, Chunlan Post-doctoral Work Station and state-level technology development center is the important base for the world frontier science and technology research.

Chunlan industries cover machinery, air conditioner, new energy, real estate, hotel industry, commerce, finance and investment, etc; the main products include residential air conditioner, commercial air conditioner, compressor, high-energy power battery and power management system, power system, mechanical processing and power products, residential and commercial real estate and so on.

As a "technology leader" enterprise, Chunlan Group undertake many national science and technology projects, not only leading the R&D of energy saving, environmental friendly, intelligent, healthy home appliances in domestic market, but also promoting the development of China's new energy industry. The high power batteries which have been included in the national major science and technology, are widely used in new energy cars, high-speed locomotives, intelligent robot, large ships, etc. and "the Key Technology of Energy Saving for Hybrid Bus" won the National Technology Progress Award"; Chunlan storage power station and solar energy power station system are successfully applied in Shanghai world expo etc; The leading edge science and technology products -- Chunlan fuel battery, the human genome repair and depth and height radio wireless communication equipment have made great breakthroughs.

In the first decade of the new century, Chunlan will comprehensively integrate and optimize the resources, accelerate the global prosecution, fulfill the social responsibility, create the low-carbon and cycle economy, build a friendly and harmonious enterprise, make a greater contribution to the better and faster development of China's economy and various undertakings.

New realm, new strategy and new development. Chunlan is proudly moving forward to its ultimate strategic goal of becoming a world-famous diversified corporation.



Seven Industries



SINCE 1973

Chunlan Air Conditioner Industry



The first set of Chunlan air conditioner was produced in 1973, it made Chunlan the longest professional history of air conditioner manufacturing in China. Meanwhile, Chunlan also became the first listed company in domestic air conditioner industry.

Chunlan is devoted to the research and development of core technology of air conditioner all the time. Relying on world-class air conditioner design, inspection and manufacturing equipment, the multiple performances of Chunlan air conditioner lead all the way in quiet design, reliability and comfortableness etc.

For the past 30 years, the total production of Chunlan air conditioner is more than 80,000,000 sets. Chunlan, the most-admired company in China, is honored as "King of Chinese Air Conditioner", "Pioneer of Chinese Air Conditioner". World-famous Chunlan is the common choice for more than 100 countries and millions of people in the world.

80,000,000

Brief history of Chunlan Air Conditioner

- 1973 The first set of air conditioner was produced.
- 1990 Chunlan air conditioner became the leader in Chinese air conditioner industry.
- 1994 Chunlan air conditioner got the approval of ISO 9001 from American Standardization Association.
- 1996 Chunlan was awarded as "King of Air Conditioner" by Chinese government.
- 1997 Chunlan led Chinese air conditioner industry to enter the eighth year.
- 2000 Chunlan air conditioner created the highest reliability record of No Malfunction Identified Per 80,000 Hours.
- 2002 The noise level of Chunlan air conditioner was the best one during national inspection.
- 2002 Chunlan was authorized as CE inspection lab in China.
- 2008 The total production of Chunlan air conditioner breaks through 80,000,000.
- 2009 Chunlan produced 4P Green DC Inverter Air Conditioner.
- 2010 Chunlan was awarded "2010 Inverter Air Conditioning Technology Leadership".

CERTIFICATES



Advanced Technology

Extremely silent

Chuanlan developed the new generation ultra-quiet air conditioner, which upgrades original patents mute technology to the second generation and prioritizes the standard of the mute to the extreme.

Noise Comparison Table

Category	Chuanlan	Competitor 1	Competitor 2	Competitor 3
Normal Operation	~35dB	~45dB	~48dB	~50dB
Fan Leaf Shape Optimization	~38dB	~48dB	~50dB	~52dB
SILENCER Double Mute Technology	~35dB	~45dB	~48dB	~50dB

Optimal design of outlet

Fan leaf shape optimization

Quiet and efficient motor

SILENCER double mute technology

Comprehensively and scientifically reduce the noise caused by the fan, motor and other vibration sources at runtime of system to achieve internal and external dual mute. (Patent no.: 201020694502.4)

Innovative air outlet slot design of Chuanlan air conditioner, can more effectively reduce the noise of the ventilation system.

The fan leaf shape design have been optimized in accordance with the partial pressure change in sound propagating, to make the wind of air conditioner more gentle, smooth and lower noise.

180° vector DC inverter control technology

Independent IP 180° sine wave control technology can accurately detect the position of the ratio of the compressor and make the compressor operating current and the sine amplitudes consistent. Compared with the 120° square wave technology, it can improve the operating efficiency of the compressor.

System balance technology

After the objective, accurate calculation and analysis on a number of technical and economic factors, our engineers built a fully quantitative mathematical model to achieve a comprehensive balance based on scientific comparison and optimization. The balance include the balance of indoor and outdoor heat exchanger, the balance between compressor and system, the balance between wind field and system, the balance between the system units etc., which improve by 32% of operating performance system.

Modal analysis technology

Modal analysis, which is generally used for aircraft manufacturing, is applied in air conditioner design by chuanlan. Chuanlan adds the modal analysis and the efficient vibration modal analysis technology to analyze specific natural frequency of components, damping ratio and modal modes, and design products. By this way, chuanlan makes the quality of such components more perfect.

Excellent Quality

High Efficient Compressor

Chuanlan air conditioner adopts high efficient compressor, and creates an extra ordinary standard of failure-free operation for average 60000 hours.

High quality internal thread copper tube

Chuanlan always selects high quality pipe, adopt W-shape high quality internal thread copper tubes for each set of air conditioner, which can further improve the efficiency of heat exchange.

Blue multi-stage evaporator

Chuanlan air conditioner heat exchange system with the blue multi-stage evaporator, has unique hydrophilic membrane coating, which can enhance the heat exchange surface area and make highly heat exchange efficient.

Pretty Appearance

Minimalist aesthetic appearance

White-as-pearl, mallow perception, personality lines sketch out the charming radiance, minimalist aesthetic design, artistically natural, perfectly fit the minimalist approach to life that you advocate.

Healthy Concerns

Auto self-cleaning heat exchanger

One of the main reasons of odour emitting from an air conditioner is the dust and bacteria existing on the evaporator. Auto self-cleaning function can clean the evaporator automatically and reduce the possibility of dust and bacteria existing inside of the evaporator. Meanwhile, clean evaporator helps the air conditioner keep working efficiently.

High-density air filters

The advanced high-density filter is made high-density organic fibers, which removes dust up to 76.6%, more better than the most ordinary filters. The high density filter keeps the internal of the unit cleaner, and then circulates dirty air into cleaner air.

Comfortable Sensibility

Point Super Silence Technology

Sound-improve Technology

Smart Wind Direction Design

According to the needs for the cooling and heating, judge the wind upstream or downstream. When Upon cooling works is up, cold air from the top to down and rapid cooling. When Upon heating work is down, hot air from the bottom to up rapid heating.

Anti Cold Wind Design

Under heating mode, with anti-cold wind function the indoor unit only begins to blow after heating temperature is warm enough, no cold wind from fan.

Line Up 2018

BX	DC	Inverter		Btu/h				
—	—	A++		9K	12K	18K	24K	
AZ1 series	—			9K	12K	18K	24K	
AZ3 series	—			7K	9K	12K	18K	22K
	High EER			9K	12K	18K	24K	30K
	T2			12K	18K	24K	30K	
RB series	—			7K	9K	12K	18K	22K
	T2			12K	18K	24K		
VJ1 series	—			7K	9K	12K	18K	22K
	T2			12K	18K	24K		
VJ3 series	—			7K	9K	12K	18K	22K
	T2			12K	18K	24K		
VJ series	—			9K	12K	18K	24K	30K
	T2			18K	24K			
VFA series	—			9K	12K	18K		



Wall Split Air Conditioners



Chunlan 6th generation Inverter technology

Unique PAM180 vector DC inverter control technology
Inverter system innovation technology
Intelligent Renesas control chip
DC high end configuration, multi channel precise adjustment.

Chunlan intelligent comfry function

e intelligent internet of things, control cooling&heating at anywhere
Quintuple intelligence, e fashion life.
Healthy air technology
2nd generation super silencer technology

star sky, infinite dream

Chunlan e star sky intelligent air conditioner with internet of things function, which adopts Acrylic panel and IMD high end decorative printing technology. The unique multi-angle shaped luxury panel is transparent and gorgeous like crystal. Shining starlight scatter above it and makes a perfect scene.



Hidden white light highlighted display.

Intelligent internet of things Free enjoyment



The unique e intelligent internet of things Chunlan air conditioner, seamlessly connect air conditioner, service platform and customer together to create an intelligent interactive system via internet. It is a breakthrough to the time and space limit, reinvention to air conditioner, customer can freely enjoy comfortable living.

Intelligent Internet of things App



The intelligent intelligent mobile phone APP can realize remote control, real-time monitoring, fault diagnosis and other functions, bring comfortable and better service, bring optimization, user design, user participation, user interaction, user feedback, user source, while providing high energy efficiency.

Intelligent long distance control



The intelligent intelligent mobile phone APP can realize remote control, real-time monitoring, fault diagnosis and other functions, bring comfortable and better service, bring optimization, user design, user participation, user interaction, user feedback, user source, while providing high energy efficiency.

online intelligent diagnosis



The online intelligent diagnosis function, handling the variety status of air conditioner, automatically collecting and analyzing the data, and then sending the data to the cloud server, so that the user can receive the information in the most timely manner, maintenance personnel will provide timely maintenance according to user's different requirements.

Intelligent customization



Gives you the best experience for the most comfortable living mode according to their own needs and preferences, with greater and more personalized, more comfortable, more intelligent, more convenient, more healthy, more energy-saving, more environmental, more interesting, more comfortable, more intelligent, more comfortable, more intelligent, more comfortable, more comfortable, more comfortable.

Intelligent environment adaptive



Climate control to fit various weather conditions, automatically adjust the temperature according to the outside environment, to ensure that the user can feel comfortable in all the most comfortable and most intelligent living mode, meeting living, working, traveling, sleeping, and other functions.

intelligent upgrade and optimization



The system has multiple power thresholds and can be set to regular basis. Users can set the system power to adapt to the environment, which can greatly reduce energy consumption, reduce power consumption, and provide continuous improvement to create a more comfortable, comfortable and comfortable life.

Intelligent RENESAS Chips



As the brain of an air conditioner, chips are the core control components which decide the performance of an air conditioner. Chunlan dedicated a lot of R&D to its own intelligent chip, which can meet the needs of the high performance, high vector control, control shape. By intelligent micro-control technology, Chunlan is pretty good at the control of the system. In addition, it can ensure the high efficiency and stability of system running.

Full DC Advanced Configuration
Multiple Channels Precise AdjustmentInverter Class A++ Energy Efficiency
Energy saving & High Efficiency

Within the unit noise under an ultra-low frequency, the lowest power just equates to the power of a bulb, which also makes the system running with constant temperature, the energy saving performance reaches a new level.

2nd Generation Patented Super Silencing Technology
Decrease the noise into ultimate

New developed Chunlan Silence Doctor air conditioner is a new generation super silencing air conditioner. Compared with the patented super silencing technology into second generation and increases the system noise reduction.



Performance	Model	CS-BRVA08-1	CS-BRVA08-1	CS-11RA08-1	CS-12RA08-1
Refrigerant	R22	R22	R22	R22	R22
Cooling Capacity	800W	900W	1100W	1200W	1300W
Heating Capacity	800W	900W	1220W	1220W	1220W
Power supply	Ph, N, L, Hz	1, 220, 60	1, 220, 60	1, 220, 60	1, 220, 60
Rated Cooling Power Input	670	725	900	1000	1000
Rated Heating Power Input	735	785	1050	1130	1130
Rated Cooling Operating Current	A	3.1	3.4	4.3	4.7
Rated Heating Operating Current	A	3.4	3.7	4.8	5.2
Air Flow Volume(Airflow)	m³/h	580	580	600	640
Noise Level	dB(A/D)	Indoor: 22-25 Outdoor: <50	22-25 Outdoor: <50	24-26 Outdoor: <51	24-29 Outdoor: <51
Net Dimensions	WxDxH Indoor (mm)	820x210x300	820x210x300	881x213x312	881x213x312
	Outdoor (mm)	650x250x300	650x250x300	768x258x327	768x258x327
Net Weight	kg	Indoor/Outdoor: 13.3/25.5	13.3/25.5	12.7/22	12.7/24
Packing Dimensions	WxDxH Indoor (mm)	945x293x490	945x293x490	1090x309x412	1090x309x412
	Outdoor (mm)	790x323x505	790x323x505	890x323x480	890x323x480
Gross Weight	kg	Indoor/Outdoor: 12.5/23.5	12.5/23.5	13.6/26	13.6/29
Pipe Size	(inch)	Liquid: 1/4" Gas: 3/8"	Liquid: 1/4" Gas: 3/8"	1/4" 1/2"	1/4" 1/2"
Applicable Area	m²	10-15	12-17	15-22	16-25
Loading Quantity	turb	200kg/48HQ	105/230/255	105/230/255	90/185/215

▪ The data listed in the form only for reference, and the specific data will be determined by the product.

▪ The applicable area of air conditioner is related to room orientation, insulation level, height of the building, the size and amount of the doors and windows, as well as the applicable area is just for reference.

▪ Chunlan reserves the right to change the product design, specifications, and overhauls. There is no specific notice if there appears any adjustment, please refer to product specifications and product notices.

Wall Split Series

R410A DC Inverter(A++Class)
Complying With New ErP Standard



A

BX

Artistic modeling
With the modern and artistic design, people enjoy not only air conditioning but also decoration.

Hidden LED
The hidden dynamic LED display conveys power and intelligence.



Features

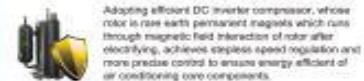
Wide Voltage Input	Power Super Silence Technology	Wide Climate Design	Strong Independent Dehumidification	Heating anti-cold design	Independent Ventilation Button
Sleep Mode	24 Hour Timer	Four Speed Air Output	Backlight Remote Control	Independent Digital Display Button	Intelligent Defrost

R410a

Specification [DC Inverter]

09/10

High efficient DC inverter compressor



Adopting efficient DC inverter compressor, whose frequency can be controlled by inverter frequency and runs through magnetic field induction of rotor after electrifying, achieves stepless speed regulation and more precise control to ensure energy efficient of air conditioning core components.

Seven peculiar compressor technology

1. Demagnetization current protects the compressor
2. PEC low frequency control makes the running waveform of compressor tends to be sine wave and steady current through torque compensation to save more energy
3. Weak magnetic control increases the frequency of the compressor, enhances the refrigeration and heating efficiency of air conditioner and makes the compressor run more smoothly
4. Through maximum torque current control, the air conditioner efficiently and smoothly operates
5. Low current reduces compressor vibration and noise
6. Compressor starting program makes the compressor starts more stable and one hundred percent successful startup
7. The dead zone in compressing softness-common as well as the precise positioning of the position of the rotor increase the compressor operation current waveform in near the vicinity of zero and a great smoother

Inverter Class A++ Energy Efficiency Energy saving & High Efficiency



When the unit runs under an ultra-low frequency, the lowest power loss applies to the power of 1/8, which also helps the system running with constant temperature. The energy saving performance reaches a new level.



Chunlan developed the new generation ultra-slim air conditioner, which applies original products made technology to the second generation and promotes the standard of the made to the extreme.

High Efficient Compressor



Chunlan air conditioner adopts high efficient compressor, and creates an extra ordinary standard of failure-free operation for average 60000 hours.

High quality internal thread copper tube



Chunlan always selects high quality parts, adopts W-shape high quality internal thread copper tubes for each set of air conditioner, which can further improve the efficiency of heat exchange.

Blue multi-stage evaporator



Chunlan air conditioner heat exchange system with the blue multi-stage evaporator, has unique hydrophilic membrane coating, which can enhance the heat exchange surface area and make highly heat exchange efficient.

Performance	Model	CS-09R/BXBPWa	CS-12R/BXBPWa	CS-16R/BXBPWa	CS-24R/BXBPWa
Refrigerant	R410a	R410a	R410a	R410a	R410a
Cooling Capacity	Brahm	8000(B200~11000)	12000(4400~14200)	16000(6200~20900)	24000(9100~28900)
Heating Capacity	Brahm	10800(2800~11500)	13000(4100~14800)	15600(4700~23000)	20900(5200~30000)
Power Supply	Ph, V~, Hz	1, 220, 60	1, 220, 60	1, 220, 60	1, 220, 60
SEER	WW	8.1	8.1	8.1	8.1
Cooling Energy Rate		A++	A++	A++	A++
SCOP	WW	4.0	4.0	4.0	4.0
Heating Energy Rate		A+	A+	A+	A+
Air Flow Volume (indoor)	m³/h	829	820	966	1190
Noise Level (dB(A))	Indoor	42/37/32/27	42/37/32/27	48/38/35/30	48/42/39/32
Net Dimensions (WxDxH)	Indoor/Outdoor	780x380x213	800x300x213	1050x320x254	1080x332x254
Net Weight (kg)	Indoor/Outdoor	780x387x259	760x517x259	780x682x258	823x646x275
Packing Dimensions (WxDxH)	Indoor (mm)	850x395x298	930x395x298	1160x402x324	1180x402x324
	Outdoor (mm)	880x495x334	980x400x334	880x725x324	980x730x320
Gross Weight (kg)	Indoor/Outdoor	11.5/35	12.5/37	15.4/44	17.9/55
Pipe Size (inch)	Liquid	1/4"	1/4"	1/4"	1/4"
	Gas	3/8"	1/2"	1/2"	5/8"
Applicable Area	㎡	12-17	16-25	23-35	30-50
Loading Quantity (kg)	25/40/46/HD	185/225/253	662/606/642	83/105/100	95/130/150

All above models are different in indoor panel design. Just the same in technical specification.

* The data listed in the form only for reference, and the specific parameter shall refer to product specification.

* The applicable area of an air conditioner is related to room temperature, inclusive total height of the building, the size and amount of the doors and windows, as well as the applicable area in fact for reference.

* Chunlan reserves the right to change the product design, specifications, and parameters. There is no warranty unless there appears any adjustment, please refer to product specifications and product certificate.

Wall Split Series

R410A DC Inverter(A+ Class)
Complying With New ErP Standard



A

AZ3



A

AZ3



A

VEA



A

RB



Specification 【ON-OFF】

11/12

International leading vector control chip



The chip is the "brain" of the air conditioning and the core control parts determining the air-conditioning performance. Chintan adopts Japanese Renesas high-performance 32-bit vector control chip technology to greatly enhance operating efficiency and ensure the system stable.

180° vector DC inverter control technology



Independent IP-180° sine wave control technology can accurately detect the precise of the rotor of the compressor and make the compressor operating current and the sine instantaneous constant. Compared with the 120° square wave technology, it can improve the operating efficiency of the compressor.

CFC-free R410A environmental refrigerant



Air conditioner maximizes energy efficiency and can achieve the energy saving performance of the air conditioner.



The rate of the destruction of the ozone layer tends to be zero, which makes a great contribution to the earth.



Excellent thermal performance of the eco-friendly refrigerant R410A can generate more powerful cooling and heating capacity.



R410A is the new environmental friendly refrigerant all over the world, which is clean, eco-friendly, non-flammable. It is widely used in many countries.

Performance	Model	C5-09RVEABPNe-2	C5-12RVEABPNe-2	C5-09RAZBPNs-2	C5-12RAZBPNs-2
Refrigerant	R410a	R410a	R410a	R410a	R410a
Cooling Capacity	Stark	6000(2700~102400)	12000(3300~14000)	9000(2700~13000)	12000(3300~14000)
Heating Capacity	Stark	8550(2200~123000)	13500(3250~18000)	8550(2200~12000)	13500(3250~18000)
Power Supply	Vb, V~, Hz	1, 220, 60	1, 220, 60	1, 220, 60	1, 220, 60
Rated Cooling Power Input	W	800(140~950)	870(180~1370)	800(140~950)	870(180~1370)
Rated Heating Power Input	W	760(130~11900)	1280(170~1700)	760(130~11000)	1280(170~1700)
Rated Cooling Operating Current	A	3.1(3.7~4.5)	4.5(3.8~6.5)	3.1(3.7~4.5)	4.5(3.8~6.5)
Rated Heating Operating Current	A	3.6(3.8~5.2)	5.9(5.8~8.1)	3.6(3.8~5.2)	5.9(5.8~8.1)
Air Flow Volume (Indoor)	m³/h	540	990	540	990
Noise Level (dB(A))	Indoor	32/34/39/39	39/39/39/39	32/34/39/39	39/39/39/39
	Outdoor	56	51	56	51
Net Dimensions (WxDxH)	Indoor/Outdoor	760x180x260	840x180x260	760x190x274	820x190x274
Net Weight (kg)	Indoor/Outdoor	780x295x537	780x295x537	780x295x537	780x295x537
Packing Dimensions (WxDxH)	Indoor (mm)	875x265x340	855x265x340	940x280x370	940x280x370
	Outdoor (mm)	890x344x600	890x344x600	890x352x600	890x352x600
Gross Weight (kg)	Indoor/Outdoor	11.8/35	11.8/35	11.8/35	11.8/35
Pipe Size (inch)	Liquid	1/4"	1/4"	1/4"	1/4"
	Gas	3/8"	3/8"	3/8"	3/8"
Applicable Area	m²	12~17	16~25	12~17	16~25
Loading Quantity (set)		20/40/46/HQ	98/210/285	98/210/245	98/210/236

All above models are different in indoor panel design, but the same in technical specification.

- The data listed in the form only for reference, and the specific parameter shall refer to product specification.
- The applicable area of an airconditioner is related to room orientation, insulation level, height of the building, the size and shape of the doors and windows, so that the applicable area is just for reference.
- Chintan reserves the right to change the product design, specifications, and parameters. Please buy specific models if there occurs any adjustment, please refer to product specifications and product homepage.



A

B

CFC-free R290 environmental refrigerant

Air conditioner maximizes energy efficiency and can achieve the energy saving performance of the air conditioner.

The rate of the destruction of the ozone layer tends to be zero, which makes a great contribution to the earth.

High-density filter

The advanced high-density filter is made high-density organic fibers, which removes dust up to 78.8%, more better than the most ordinary filters. The high density filter keeps the internal of the unit cleaner, and then translates dirty air into cleaner air.

R290

R290 is the new environmental friendly refrigerant all over the world, which is clean, eco-friendly with negligible GWP value. It has a great potential to be used in many countries.

More environmental protection ODP(Ozone depletion potential):0 GWP(Global warming potential):3

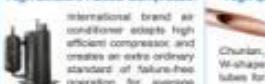
R290 is also called propane, belongs to the hydrocarbon refrigerants. It has no destruction to the ozone layer, and the greenhouse effect is very small, since its GWP value is as low as only 3, while R134a refrigerant has a GWP value at 1600. It is the most environment protection refrigerant. As a kind of natural hydrocarbon refrigerants, the critical pressure of R290 is low. It has a high latent heat of evaporation and good environmental protection and thermal performance.

Less energy consumption

With the excellent thermodynamic feature of R290 refrigerant, air conditioner system charged with R290 can achieve much higher EER comparing with R134a refrigerant.

High Efficient R290a Compressor

International brand air conditioner adopts high efficient compressor and creates an extra ordinary standard of failure-free operation for average 6000 hours.



High quality internal thread copper tube

Chuanlan always selects high quality pipe, adopts W-shape high quality internal thread copper tubes for each set of air conditioner, which can further improve the efficiency of heat exchange.



Blue multi-stage evaporator

Chuanlan air conditioner heat exchange system with the blue multi-stage evaporator, has unique hydrophilic membrane coating, which can enhance the heat exchange surface area and make highly heat exchange efficient.



Features



Performance	Model	CS-090AZ290P-WS-2	CS-120AZ290P-WS-2	CS-090AZ290S-2	CS-120AZ290S-2
Refrigerant	R290	R290	R290	R290	R290
Cooling Capacity	Blush	9000 (2700~11300)	12000 (3300~14000)	9000	12000
Heating Capacity	Blush	9000 (1200~12000)	12100 (3200~16000)	9500	13100
Power Supply	Ph. Y, Hz	1, 220, 50	1, 220, 50	1, 220, 60	1, 220, 60
Rated Cooling Power Input	W	670 (140~950)	900 (190~1370)	670	950
Rated Heating Power Input	W	745 (130~1100)	1040 (170~1700)	745	1040
Rated Cooling Operating Current	A	3.2 (0.7~4.5)	4.8 (3.0~6.0)	3.2	4.4
Rated Heating Operating Current	A	3.5 (0.8~5.2)	4.8 (3.0~6.0)	3.5	4.9
Air Flow Volume(indoor)	m³/h	540	900	540	900
Noise Level	dB(A)	30/34/36/38	30/34/36/38	30/34/36/38	30/34/36/38
Indoor		30	31	450	451
Outdoor		38	39	450	451
Net Dimensions	WHD(H)	800X190X374	850X190X374	850X190X374	850X190X374
Inside (mm)		800X259X557	850X259X557	850X259X557	850X259X557
Outside (mm)		9,300	9,300	9,300	9,300
Packing Dimensions	WxHxD (mm)	940X280X379	940X280X379	940X280X379	940X280X379
Indoor (mm)		890X302X606	890X302X606	890X325X600	890X325X600
Outdoor (mm)		11,938	11,938	11,650	11,650
Gross Weight	kg	Indoor/Outdoor	11.938	11.650	11.650
Indoor/Outdoor		1.9	1.4	1.4	1.4
Pipe Size	Int'l	Liquid	3/8	3/8	3/8
Liquid		Gas	3/8	3/8	3/8
Applicable Area	m²	12~17	18~25	12~17	18~25
Loading Quantity	t/m³	28.18/32.04	38.18/33.88	38.2/40.08	38.2/40.26

* The data listed in the table only for reference, for the specific parameter please refer to product specification.

** The applicable area of air conditioner is related to room orientation, insulation level, height of the ceiling, the size and shape of the room and windows, so that the applicable area is just for reference.

*** Chuanlan reserves the right to change the product design, specifications, and parameters. There is no specific notice if there appears any adjustment, please refer to product specification and product website.

Wall Split Series

R410A ON/OFF High Efficiency



Features



Specification [ON-OFF]

15/16

Complying With Iran and the South Africa Standard

Performance	Model	CS-09RVAZ3Wn-E1	CS-12RVAZ3Wn-E1	CS-16RVAZ3Wn-E1	CS-24RVAZ3Wn-E1
Refrigerant	R410a	8815w	1015w	1015w	1410w
Cooling Capacity	Blwh:	9000	12000	16000	24000
Heating Capacity	Blwh:	9400	13000	16000	24000
Power supply	Ph, V~, Hz	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50
Rated Cooling Power Input	W	813	1060	1360	2360
Rated Heating Power Input	W	808	1179	1700	2360
Rated Cooling Operating Current	A	3.8	5.0	7.4	10.7
Rated Heating Operating Current	A	3.7	5.5	7.9	10.7
Air Flow Volume(Indoor)	m³/h	478	520	665	1250
Noise Level (dB(A))	Indoor	28/30/32/35	30/32/34/35	42/45/46/51	40/43/46
	Outdoor	30	31	34	36
Net Dimensions (WxDxH)	Indoor (mm)	825x185x274	825x190x274	825x190x274	1150x420x320
	Outdoor (mm)	890x259x306	890x259x307	890x259x308	890x310x340
Net Weight (kg)	Indoor/Outdoor	8.125	8.101	13.648	19.91
Packing Dimensions (WxDxH)	Indoor (mm)	880x273x360	880x273x360	1020x295x360	1210x474x440
	Outdoor (mm)	760x318x505	880x324x600	880x324x600	1125x508x575
Gross Weight (kg)	Indoor/Outdoor	13.428	16.039	13.648	19.91
Pipe Size (inch)	Liquid	3/8"	1/4"	1/4"	3/8"
	Gas	3/8"	1/2"	1/2"	5/8"
Applicable Area (m²)	ef	12.17	16.25	20.36	35.81
Loading Quantity (set)		2216/2416HQ	114/145/265	162/210/255	35/218/231
					4290/106

Complying With Australia GEMS Standard

Performance	Model	CS-09RVAZ3Wn-E1	CS-12RVAZ3Wn-E1	CS-16RVAZ3Wn-E1	CS-24RVAZ3Wn-E1
Refrigerant	R410a	8815w	1015w	1015w	1410w
Cooling Capacity	Blwh:	8500	12000	16000	24000
Heating Capacity	Blwh:	9000	12100	16000	24000
Power supply	Ph, V~, Hz	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50
Rated Cooling Power Input	W	713	934	1400	2050
Rated Heating Power Input	W	706	945	1390	2050
Rated Cooling Operating Current	A	3.1	4.2	6.6	9.0
Rated Heating Operating Current	A	3.0	4.2	7.0	9.0
Air Flow Volume(Indoor)	m³/h	590	590	850	1150
Noise Level (dB(A))	Indoor	28/30/32/35	28/30/32/35	39/43/46	42/45/46
	Outdoor	49	50	57	60
Net Dimensions (WxDxH)	Indoor (mm)	825x190x274	825x195x293	825x195x293	1150x420x320
	Outdoor (mm)	760x259x306	760x259x307	825x275x340	890x310x340
Net Weight (kg)	Indoor/Outdoor	7.702	12.34	12.34	19.88
Packing Dimensions (WxDxH)	Indoor (mm)	880x273x360	1020x295x360	1210x474x440	1210x474x440
	Outdoor (mm)	760x324x600	880x324x600	880x324x600	1125x508x575
Gross Weight (kg)	Indoor/Outdoor	9.236	13.638	13.638	22.73
Pipe Size (inch)	Liquid	3/8"	1/4"	1/4"	3/8"
	Gas	3/8"	1/2"	1/2"	5/8"
Applicable Area (m²)	ef	12.17	16.25	20.36	35.81
Loading Quantity (set)		20/21/21HQ	10/11/19HQ	10/11/19HQ	40/90/106

Complying With Israel SII Standard

Performance	Model	CS-09RVAZ3Wn-E1	CS-12RVAZ3Wn-E1	CS-16RVAZ3Wn-E1	CS-24RVAZ3Wn-E1
Refrigerant	R410a	8415w	10415w	10415w	1410w
Cooling Capacity	Blwh:	8600	12000	16000	24000
Heating Capacity	Blwh:	9000	12100	16000	24000
Power supply	Ph, V~, Hz	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50
Rated Cooling Power Input	W	710	939	1420	2050
Rated Heating Power Input	W	706	940	1390	2050
Rated Cooling Operating Current	A	3.1	4.2	6.6	9.0
Rated Heating Operating Current	A	3.0	4.2	7.0	9.0
Air Flow Volume(Indoor)	m³/h	880	880	880	1150
Noise Level (dB(A))	Indoor	28/30/32/35	28/30/32/35	39/43/46	42/45/46
	Outdoor	49	50	57	60
Net Dimensions (WxDxH)	Indoor (mm)	825x190x274	825x195x293	825x195x293	1150x420x320
	Outdoor (mm)	760x259x306	760x259x307	825x275x340	890x310x340
Net Weight (kg)	Indoor/Outdoor	7.702	12.34	12.34	19.88
Packing Dimensions (WxDxH)	Indoor (mm)	880x273x360	1020x295x360	1210x474x440	1210x474x440
	Outdoor (mm)	760x324x600	880x324x600	880x324x600	1125x508x575
Gross Weight (kg)	Indoor/Outdoor	9.236	13.638	13.638	22.73
Pipe Size (inch)	Liquid	3/8"	1/4"	1/4"	3/8"
	Gas	3/8"	1/2"	1/2"	5/8"
Applicable Area (m²)	ef	12.17	16.25	20.36	36.86
Loading Quantity (set)		20/21/21HQ	10/11/19HQ	10/11/19HQ	40/90/109

Wall Split Series

R410A ON/OFF Universal



AZ3

AZ3

VJ1

VJ3

RB

R410a Specification [ON-OFF]

17/18

Performance	Model	CS-07RUV19B-5	CS-09RUV19B-5	CS-12RUV19B-5	CS-15RUV19B-5	CS-18RUV19B-5	CS-22RUV19B-5	CS-26RUV19B-5
Refrigerant	R410a	8019a	8419a	10419a	11419a	13419a	14419a	16419a
Cooling Capacity	BluH	4000	6000	10000	16000	22000	28000	35000
Heating Capacity	BluH	4000	6000	10000	16000	22000	28000	35000
Power Supply	Ph. V~ Hz	1,220.00	1,220.00	1,220.00	1,220.00	1,220.00	1,220.00	1,220.00
Rated Cooling Power Input	W	780	880	1200	1500	1900	2200	2500
Rated Heating Power Input	W	720	860	960	1080	1180	1280	1380
Rated Heating Current	A	3.0	4.1	4.9	5.7	6.7	7.7	8.7
Rated Heating Operating Current	A	3.4	3.8	5.3	7.0	9.0	10.0	11.0
Air Flow (Volume/min)	m³/h	400	500	800	1000	1400	1700	2000
Noise Level	Indoor	28dB(A)	29dB(A)	30dB(A)	31dB(A)	32dB(A)	33dB(A)	34dB(A)
	Outdoor	48	49	51	51	52	52	53
Net Dimensions (WxDxH)	Indoor (mm)	870x190x174	890x200x174	930x210x174	950x220x174	1020x230x174	1050x240x174	1120x250x174
	Outdoor (mm)	950x250x406	950x260x406	980x270x406	980x280x406	1050x290x406	1050x300x406	1120x310x406
Net Weight (kg)	Indoor/Outdoor	2.1/2.5	2.1/2.5	2.1/2.5	2.1/2.5	2.1/2.5	2.1/2.5	2.1/2.5
Packing Dimensions (WxDxH)	Indoor (mm)	860x200x196	880x210x196	940x220x196	960x230x196	1020x240x196	1050x250x196	1120x260x196
	Outdoor (mm)	940x260x406	960x270x406	1000x280x406	1020x290x406	1080x300x406	1100x310x406	1170x320x406
Gross Weight (kg)	Indoor	3.0	3.2	3.8	4.0	4.8	5.0	5.2
	Outdoor	3.8	4.0	4.8	5.0	5.8	6.0	6.2
Pipe Size (mm)	Liquid	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
	Gas	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
Applicable Area (m²)	Indoor	12.17	12.17	16.25	20.34	26.50	30.65	36.85
Leaving Quantity (kg)	Indoor	1440x0.00	1440x0.00	1680x0.00	1680x0.00	1910x0.00	1910x0.00	2050x0.00

Performance	Model	CS-07RUV19B-5	CS-09RUV19B-5	CS-12RUV19B-5	CS-15RUV19B-5	CS-18RUV19B-5	CS-22RUV19B-5	CS-26RUV19B-5
Refrigerant	R410a	8019a	8419a	10419a	11419a	13419a	14419a	16419a
Cooling Capacity	BluH	7800	8000	12000	16000	22000	28000	34000
Heating Capacity	BluH	7800	8400	13800	18000	23000	28000	34000
Power Supply	Ph. V~ Hz	1,220.00	1,220.00	1,220.00	1,220.00	1,220.00	1,220.00	1,220.00
Rated Cooling Power Input	W	780	880	1200	1500	1900	2200	2500
Rated Heating Power Input	W	720	840	960	1080	1180	1280	1380
Rated Heating Current	A	3.0	4.1	5.8	7.7	10.2	12.2	14.2
Rated Heating Operating Current	A	3.4	3.8	5.3	7.0	9.0	10.7	12.7
Air Flow (Volume/min)	m³/h	400	500	800	1000	1400	1700	2000
Noise Level	Indoor	28dB(A)	29dB(A)	30dB(A)	31dB(A)	32dB(A)	33dB(A)	34dB(A)
	Outdoor	48	49	51	51	52	52	53
Net Dimensions (WxDxH)	Indoor (mm)	870x190x174	890x200x174	930x210x174	950x220x174	1020x230x174	1050x240x174	1120x250x174
	Outdoor (mm)	950x250x406	950x260x406	980x270x406	980x280x406	1050x290x406	1050x300x406	1120x310x406
Net Weight (kg)	Indoor/Outdoor	2.1/2.5	2.1/2.5	2.1/2.5	2.1/2.5	2.1/2.5	2.1/2.5	2.1/2.5
Packing Dimensions (WxDxH)	Indoor (mm)	860x200x196	880x210x196	940x220x196	960x230x196	1020x240x196	1050x250x196	1120x260x196
	Outdoor (mm)	940x260x406	960x270x406	1000x280x406	1020x290x406	1080x300x406	1100x310x406	1170x320x406
Gross Weight (kg)	Indoor	3.0	3.2	3.8	4.0	4.8	5.0	5.2
	Outdoor	3.8	4.0	4.8	5.0	5.8	6.0	6.2
Pipe Size (mm)	Liquid	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
	Gas	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
Applicable Area (m²)	Indoor	12.17	12.17	16.25	20.34	26.50	30.65	36.85
Leaving Quantity (kg)	Indoor	1440x0.00	1440x0.00	1680x0.00	1680x0.00	1910x0.00	1910x0.00	2050x0.00

All above models are different in indoor panel design, but the same in technical specification.



- The data listed in the form only for reference, and the specific parameter shall refer to product specification.
- The applicable area of air conditioner is related to room orientation, insulation level, height of the building, the size and amount of the rooms and activities, so the applicable area is just for reference.
- Carrier reserves the right to change the product design, specifications, and parameters. There is no specific reason if there appears any adjustment, please refer to product specification and product committee.

Wall Split Series

T1 R22 Series



BX

Artistic modeling
With the modern and artistic design, people enjoy not only air conditioning but also decoration.



Hidden LED
The hidden dynamic LED display conveys power and intelligent.

High-density filter
The advanced high-density filter is made high-density organic fibres, which removes dust up to 76.0%, more better than the most ordinary filters. The high density filter keeps the interior of the unit cleaner, and then translates dirty air into cleaner air.



Features



R22
Specification 【ON-OFF】 60Hz

19/20

Anti-Cold Wind Design
Under heating mode, with anti-cold wind function the indoor unit only begins to blow after heating temperature is warm enough, no cold wind from fan.



Modal analysis technology
Chuanan adopts more accurate and more efficient vibration modal analysis technology to analyze specific natural frequency of components, damping ratio and modal modes, and design products. By this way, chuanan makes the quality of each components more perfect.

High Efficient Compressor

Chuanan air conditioner adopts high efficient compressor, and creates an extra ordinary standard of failure-free operation for average 60000 hours.



High quality internal thread copper tube

Chuanan always selects high quality pipe, adopts W-shape high quality internal thread copper tubes for each set of air conditioner, which can further improve the efficiency of heat exchange.



Blue multi-stage evaporator
Chuanan air conditioner heat exchange system with the blue multi-stage evaporator, has unique hydrophilic membrane coating, which can enhance the heat exchange surface area and make highly heat exchange efficient.

Performance	Model	CS-09R/B00-63	CS-12R/B00-63	CS-16R/B00-63	CS-18R/B00-63
Refrigerant	R22	R22	R22	R22	R22
Cooling Capacity	80W	9000	12000	16000	24000
Heating Capacity	80W	9400	13000	16000	24000
Power supply	AC, V~, Hz	1, 220, 60	1, 220, 50	1, 220, 60	1, 220, 60
Rated Cooling Power Input	W	810	1080	1800	2300
Rated Heating Power Input	W	800	1170	1700	2300
Rated Cooling Operating Current	A	3.6	5.0	7.4	10.7
Rated Heating Operating Current	A	3.7	5.6	7.6	10.7
Air Flow Volume(Restriction)	m³/h	470	520	668	1280
Noise Level	(dB(A))	Indoor: 56 Outdoor: 51	Indoor: 56 Outdoor: 51	Indoor: 54 Outdoor: 54	Indoor: 56 Outdoor: 56
Net Dimensions	WxDxH (mm)	780x290x213 Outdoors (mm) 780x290x637	880x300x213 Outdoors (mm) 780x320x637	1080x320x254 Outdoors (mm) 780x320x883	1080x320x254 Outdoors (mm) 823x270x646
Net Weight	kg	8.1025	8.151	13.648	19.91
Packing Dimensions	WxDxH (mm)	850x305x298 Outdoors (mm) 850x305x638	930x350x298 Outdoors (mm) 780x340x638	1180x400x324 Outdoors (mm) 860x340x725	1180x400x324 Outdoors (mm) 900x400x730
Gross Weight	kg	10.0525 Indoor/Outdoor	10.6365 Indoor/Outdoor	13.648 Indoor/Outdoor	19.99 Indoor/Outdoor
Pipe Size	inch	1/4" Gas	1/4" 1/2" Gas	1/4" 1/2" Gas	3/8" 1/2" Gas
Ageable Area	m²	12.17	16.26	28.98	35.93
Loading Quantity	kg	20/40/40HQ	16/22/20/20	55/185/190	60/130/156

All above models are different in indoor panel design, but the same in technical specification.

- The data listed in the form only for reference, and the specific parameter shall refer to product samples.
- The applicable area of air conditioners is related to room orientation, insulation level, height of the building, the size and layout of the rooms and windows, so that the application area is just for reference.
- Chuanan reserves the right to change the product design, specifications, and parameters. There is no specific value if there appears any adjustment, please refer to product specifications and product samples.

Wall Split Series

T1 R22 Series



A23



A23



VJ1



VJ3



RB



Specification **[ON-OFF]**

21/22

High-density filter

The advanced high-density filter is made high-density organic fibers, which removes dust up to 76.6%, more better than the most ordinary filters. The high density filter keeps the internal of the unit cleaner, and thus translates dirty air into cleaner air.



	Model	CS-09RVAZ1-S	CS-12RVAZ1-S	CS-18RVAZ1-S	CS-22RVAZ1-S	R22	R22
Refrigerant	R22	R22	R22	R22	R22	R22	R22
Cooling Capacity	Blah	12000	18000	22000	26000	30000	35000
Heating Capacity	Blah	13000	18000	22000	26000	30000	35000
Power	Ph, v~, Hz	1,220, 50	1,220, 50	1,220, 50	1,220, 50	1,220, 50	1,220, 50
Rated Cooling Power Input	W	870	1220	1600	2050	2450	2850
Rated Heating Power Input	W	830	1180	1650	2180	2550	2950
Rated Cooling Operating Current	A	4.0	5.7	7.3	10.2	11.3	13.7
Rated Heating Operating Current	A	3.6	5.3	7.3	9.7	10.7	13.7
Air Flow Volume(indoor)	m³/h	440	650	880	1080	1300	1600
Noise Level	(dB(A))	26/23/24/25	26/23/24/25	26/23/24/25	26/23/24/25	26/23/24/25	26/23/24/25
Net Dimensions	WxDxH (mm)	650x250x574	850x300x574	850x300x574	850x300x574	1050x400x575	1050x400x575
Net Weight	(kg)	650x250x574	850x300x574	850x300x574	850x300x574	850x300x574	850x300x574
Packing Dimensions	WxDxH (mm)	710x275x575	910x325x575	910x325x575	910x325x575	1110x415x575	1110x415x575
Gross Weight	(kg)	850x300x575	850x350x575	850x350x575	850x350x575	850x350x575	850x350x575
Pipe Size	(mm)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Applicable Area	(m²)	10	12-17	18-24	20-30	20-35	20-40
Loading Quantity	(kg)	29/34/39/44	34/40/46/51	38/44/50/55	42/48/53/58	42/48/53/58	42/48/53/58

	Model	CS-09RVJ1-S	CS-12RVJ1-S	CS-18RVJ1-S	CS-22RVJ1-S	CS-24RVJ1-S
Refrigerant	R22	R22	R22	R22	R22	R22
Cooling Capacity	Blah	9000	12000	16000	20000	24000
Heating Capacity	Blah	9400	13000	18000	22000	24000
Power supply	Ph, v~, Hz	1,220, 50	1,220, 50	1,220, 50	1,220, 50	1,220, 50
Rated Cooling Power Input	W	870	1220	1600	2050	2450
Rated Heating Power Input	W	830	1180	1650	2180	2550
Rated Cooling Operating Current	A	4.0	5.6	6.7	10.2	14.6
Rated Heating Operating Current	A	3.9	5.3	6.6	9.7	14.3
Air Flow Volume(indoor)	m³/h	435	600	860	1080	1300
Noise Level	(dB(A))	28/23/26/28	28/23/26/28	33/28/34/36	42/45/48/51	42/45/48/51
Net Dimensions	WxDxH (mm)	675x195x558	745x215x558	900x215x558	900x215x558	1014x215x558
Net Weight	(kg)	650x250x508	650x250x508	750x250x537	750x250x537	823x276x548
Packing Dimensions	WxDxH (mm)	745x215x558	815x215x558	1010x300x575	1070x300x575	1150x300x575
Gross Weight	(kg)	745x215x558	815x215x558	1010x300x575	1070x300x575	1150x300x575
Pipe Size	(mm)	1/2"	1/2"	1/2"	1/2"	1/2"
Applicable Area	(m²)	10	12-17	18-24	20-30	20-40
Loading Quantity	(kg)	29/34/39/44	34/40/46/51	38/44/50/55	42/48/53/58	42/48/53/58

All above models are different in indoor panel design. But the same in technical specification.

* The data listed in the form only for reference, and the specific parameter shall take to product parameters.

* The applicable area of ac condenser is related to room orientation, insulation level, height of the building, the size and amount of the doors and windows, so the applicable area is just for reference.

* Ushio reserves the right to change the product design, specifications, and parameters. There is no specific notice. If there appears any adjustment, please refer to product specifications and contact us immediately.



CS-09R/AY2-1

CS-12R/AY2-1



CS-09R/VF1-2

CS-12R/VF1-2



CS-09R/VF2-5

CS-12R/VF2-5 CS-18R/VF2-5



CS-09R/VEA-2

CS-12R/VEA-2

**High Efficient Compressor**

Chuanan air conditioner adopts high efficient compressor and creates an extra ordinary standard of failure-free operation for average 80000 hours.

**High quality internal thread copper tube**

Chuanan always selects high quality parts, adopts W-shape high quality internal thread copper tubes for each set of air conditioner, which can further improve the efficiency of heat exchange.



Chuanan air conditioner heat exchange system with the blue multi-stage evaporator, has unique hydrophilic membrane coating, which can enhance the heat exchange surface area and make highly heat exchange efficient.



Specification 【ON-OFF】

Smart Wind Direction Design

According to the needs for the cooling and heating, judge the wind upstream or downstream. When Upon cooling works it is to cool air from the top to down and rapid cooling. When Upon heating work is down, hot air from the bottom to up rapid heating.

Anti Cold Wind Design

Under heating mode, with anti-cold wind function the indoor unit only begins to blow after heating temperature is warm enough, no cold wind from fan.

Features

Performance	Model	CS-09R/VEA-2	CS-12R/VEA-2	CS-09R/VF2-5	CS-12R/VF2-5	CS-18R/VF2-5
Refrigerant	R22	R22	R22	R22	R22	R22
Cooling Capacity	8kW	10.09kW	12.09kW	9.69kW	12.99kW	16.99kW
Heating Capacity	8kW	9.49kW	13.09kW	9.49kW	12.99kW	16.99kW
Power Supply	1Ph, V~, Hz	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50
Rated Cooling Power Input	W	697	985	890	1220	1900
Rated Heating Power Input	W	725	1030	830	1140	1800
Rated Cooling Operating Current	A	3.2	4.5	4.1	5.7	8.7
Rated Heating Operating Current	A	3.3	4.7	3.9	5.3	8.6
Air Flow Volume (Indoor)	m³/h	600	500	500	580	610
Noise Level (dB(A))	Indoor	26/20/19/18	33/36/38/42	26/21/24/27	31/34/37/40	33/38/43/46
Indoor (mm)	760x180x260	845x265x266	790x211x278	785x211x274	889x211x274	889x211x274
Outdoor (mm)	650x250x500	780x250x537	650x250x500	780x250x537	780x250x537	780x250x537
Net Weight (kg)	Indoor/Outdoor	9/25.5	9.3/32	9/25.5	9.3/30	15.5/40
Packing Dimensions (WxDxH)	Indoor (mm)	675x205x340	855x265x416	850x280x395	850x280x355	930x280x355
Indoor (mm)	790x352x369	886x352x466	790x352x369	886x352x466	886x352x466	886x352x466
Gross Weight (kg)	Indoor/Outdoor	11.8/29.5	12.1/37	11.8/29.5	11.8/35	13.4/5
Pipe Size (inch)	Liquid	1/4"	1/4"	1/4"	1/4"	1/4"
Gas	3/8"	1/2"	3/8"	1/2"	1/2"	1/2"
Applicable Area	m²	12-17	15-25	12-17	15-25	20-35
Loading Quantity (set)	20/48/46/274	116/246/274	119/232/280	116/246/274	119/232/280	106/228/248

All above models are different in indoor panel design, just the same in technical specification.

- The data listed in the formatics for reference, and the specific parameter shall refer to product manual.
- The applicable area of air conditioner is related to room orientation, insulation level, height of ceiling, the size and amount of the doors and windows, air flow applicable area is just for reference.
- Chuanan reserves the right to change the product design, specifications, and parameters. There is no warranty unless otherwise explicitly stated, please refer to product specifications and service contract.

Wall Split Series

VJ 60Hz Series



VJ



VJ1



VJ3

High-density filter

The advanced high-density filter is made high-density organic fiber, which removes dust up to 98.0%, more better than the most ordinary filters. The high density filter keeps the interior of the unit cleaner, and then translates dirty air into cleaner air.



Features



Wide Voltage Start



Pulse Super Silence Technology



Multi Climate Design



Strong Independent Demineralization



Anti Cold Air Function



Independent Ventilation Button



Deep Mode



24-Hour Timer



Fan Speed for Cooling



Swingline Remote Control



Independent Digital Display Button



Intelligent Ductless



Specification 【ON-OFF】 R22

25/26

Anti-Cold Wind Design

Under heating mode, with anti-cold wind function, the indoor unit only begins to blow after heating temperature is warm enough, no cold wind from fan.



Modal analysis technology

Chuanqi adopts more accurate and more efficient vibration modal analysis technology to analyze specific natural frequency of components, damping ratio and modal modes, and design products. By this way, Chuanqi makes the quality of each components more perfect.

High Efficient Compressor

Chuanqi air conditioner adopts high efficient compressor, and creates an extra ordinary standard of failure-free operation for average 60000 hours.

High quality internal thread copper tube

Chuanqi always selects high quality pipe, adopts W-shape high quality internal thread copper tubes for each set of air conditioner, which can further improve the efficiency of heat exchange.

Blue multi-stage evaporator

Chuanqi air conditioner heat exchange system with the blue multi-stage evaporator, have unique hydrophilic membrane coating, which can enhance the heat exchange surface area and make highly heat exchange efficient.

Performance	Model	CS-09R/VJ-S-60	CS-12R/VJ-S-60	CS-18R/VJ-S-60	CS-24R/VJ-S-60
Refrigerant	R22	R22	R22	R22	R22
Cooling Capacity	Btu/h	9000	12000	18000	24000
Heating Capacity	Btu/h	9000	12000	18000	24000
Power Supply	Rs. V~, Hz	1, 220, 60	1, 220, 60	1, 220, 60	1, 220, 60
Rated Cooling Power Input	W	980	1300	2100	2480
Rated Heating Power Input	W	920	1250	2050	2350
Rated Cooling Operating Current	A	4.0	5.5	8.7	10.2
Rated Heating Operating Current	A	3.8	5.5	8.8	9.7
Air Flow Volume(indoor)	m³/h	435	520	860	885
Noise Level	(dB(A))	Indoor 29/32/34/37	29/32/36/40	33/38/43/46	41/44/47/50
Net Dimensions	WxDxH	Indoor (mm) 677x198x250	745x198x250	900x211x295	1014x213x309
	Outdoor (mm)	650x250x500	850x250x500	760x250x537	823x276x646
Net Weight	(kg)	Indoor/Outdoor 7.2/3.5	7.5/3.0	10.0/3.8	13.9/4.6
Packing Dimensions	WxDxH	Indoor (mm) 746x271x330	816x271x330	1010x300x375	1106x400x388
	Outdoor (mm)	700x352x565	700x352x585	806x352x600	900x400x738
Gross Weight	(kg)	Indoor/Outdoor 9.3/2.7	10/3.5	13/4.5	17.5/4.2
Pipe Size	(inch)	Liquid 1/4"	1/4"	1/2"	5/8"
Applicable Area	m²	12-17	16-25	20-35	30-50
Loading Quantity	(set)	20/40/42HQ	125/268/290	125/260/294	96/219/226
					75/160/172

All above models are different in indoor panel design, but the same in technical specification.

* The data listed in this form only for reference, and the specific parameter shall refer to product specification.

• The applicable area of an conditioner is related to room orientation, insulation level, height of the ceiling, the size and amount of the doors and windows, so that the applicable area is just for reference.

• Chuanqi reserves the right to change the product design, specifications, and parameters. There is no specific notice if there appear any equipment. Please refer to product specification and product handbook.

Wall Split Series

VE 115V/60Hz



VE1



VE2



VE3

Smart Wind Direction Design



According to the needs for the cooling and heating, judge the wind upstroke or downstroke. When Upon cooling vents is up, cold air from the top to down and rapid cooling. When Upon heating vent is down, hot air from the bottom to up rapid heating.

Anti Cold Wind Design



Under heating mode, with anti-cold wind function the indoor unit only begins to blow after heating temperature is warm enough, no cold wind from fan.

R22

Specification 【ON-OFF】

27/28

High Efficient Compressor

Chuanan air conditioner adopts high efficient compressor, and creates an extra ordinary standard of failure-free operation for average 60000 hours.

High quality internal thread copper tube

Chuanan always selects high quality parts, adopts W-shape high quality internal thread copper tubes for each coil of air conditioner, which can further improve the efficiency of heat exchange.

Blue multi-stage evaporator

Chuanan air conditioner heat exchange system with the blue multi-stage evaporator, have unique hydrophilic membrane cooling, which can enhance the heat exchange surface area and make highly heat exchange efficient.

Features



Performance	Model	CS-09R/VE1-5-60	CS-12R/VE1-5-60	CS-09R/VE2-5-60	CS-12R/VE2-5-60
Refrigerant		R22	R22	R22	R22
Cooling Capacity	Blush	3000	4000	3930	4200
Heating Capacity	Blush	3400	4300	3400	4300
Power Supply	Ph, V~ Hz	1, 115, 60	1, 115, 60	1, 115, 60	1, 115, 60
Rated Cooling Power Input	W	726	985	765	985
Rated Heating Power Input	W	716	1140	716	1100
Rated Cooling Operating Current	A	3.3	4.5	3.3	4.5
Rated Heating Operating Current	A	3.3	6.1	3.3	5.1
Air Flow Volume (m³/h)	intake	400	550	400	550
Noise Level (dB(A))	Indoor	29/30/35/38	33/36/39/42	29/31/35/38	33/36/39/42
	Outdoor	49	51	49	51
Net Dimensions (WxDxH)	Indoor(mm)	780x180x260	840x180x260	780x180x260	840x180x260
	Outdoor (mm)	680x250x506	780x250x537	680x250x506	780x250x537
Net Weight (kg)	Indoor/Outdoor	7.5/25.5	8.5/32	7.5/25.5	8.5/32
Packing Dimensions (WxDxH)	Indoor (mm)	875x265x340	950x265x340	875x265x340	950x265x340
	Outdoor (mm)	780x352x360	890x352x360	780x352x360	890x352x360
Gross Weight (kg)	Indoor/Outdoor	10/29.5	11/37	10/29.5	11/37
Pipe Size (inch)	Liquid	1/4"	1/4"	1/4"	1/4"
	Gas	3/8"	1/2"	3/8"	1/2"
Applicable Area	m²	12-17	16-25	12-17	18-25
Loading Quantity (kg)	(unit)	20/40/40HQ	11/24/20/20B	11/24/20/20B	11/24/20/20B

All above models are different in indoor panel design. Just the same in technical specification.

- The data listed in the form only for reference, and the specific parameter shall refer to product instruction.
- The applicable area of air conditioner is related to room orientation, insulation level, height of the building, the size and layout of the space and windows, so that the applicable area is just for reference.
- Chuanan reserves the right to change the product design, specifications, and parameters. These is no specific value if there appears any adjustment, please refer to product specification and product certificate.

Wall Split Series

T3 Tropical R22 Universal



AZ3



AZ3



VJ1



VJ3



Specification [ON-OFF]

29/30

	Model	C3S-12/RyAZ3-E	C3S-18/RyAZ3-E	C3S-24/RyAZ3-E	C3S-35/RyAZ3-E
Refrigerant	R22	R22	R22	R22	R22
Cooling Capacity	Bluto	12900	18900	24000	30000
Heating Capacity	Bluto	12800	18100	24000	30000
Power Supply	Pv, V~, Hz	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50
Rated Cooling Power Input	W	1200	1800	2400	2900
Rated Heating Power Input	W	1100	1600	2300	2600
Rated Cooling Operating Current	A	3.8	5.7	11.3	15.7
Rated Heating Operating Current	A	5.5	8.9	16.7	19.7
Air Flow Volume(indoor)	m³/h	520	880	1180	1300
Indoor	dB(A)	28/33/38/43	32/38/43/48	40/45/48	42/49/48
Outdoor	dB	57	57	60	60
Net Dimensions	WxHxH	800x190x274	870x190x274	1180x242x325	1780x242x325
Gross Dimensions	WxHxH	790x250x327	760x250x327	920x270x409	960x270x409
Net Weight	(kg)	8.131	11.834	19.448	19.92
Packing Dimensions	WxHxH	880x370x360	960x380x360	1310x347x440	1310x347x440
Gross Weight	(kg)	990x382x400	990x382x400	990x390x730	1120x420x875
Pipe Size	(mm)	Liquid	1/4"	1/4"	3/8"
		Gas	1/2"	1/2"	5/8"
Applicable Area	m²	16-25	25-35	40-60	60-80
Leaving Quantity	(kg)	20/40/40HQ	116/242/280	96/216/220	80/122/132

	Model	C3S-12/RyVJ1-E	C3S-18/RyVJ1-E	C3S-24/RyVJ1-E	
Refrigerant	R22	R22	R22	R22	
Cooling Capacity	Bluto	12900	18900	24000	
Heating Capacity	Bluto	12800	18700	24000	
Power Supply	Pv, V~, Hz	1, 220, 50	1, 220, 50	1, 220, 50	
Rated Cooling Power Input	W	1300	1900	2100	
Rated Heating Power Input	W	1300	1800	2500	
Rated Cooling Operating Current	A	5.8	8.7	12.8	
Rated Heating Operating Current	A	8.3	8.8	11.8	
Air Flow Volume(indoor)	m³/h	520	880	980	
Indoor	dB(A)	26/31/34/38	32/38/43/48	42/49/48/51	
Outdoor	dB	57	57	60	
Net Dimensions	WxHxH	745x168x250	800x211x285	1014x213x320	
Gross Dimensions	WxHxH	790x265x337	790x265x337	823x270x549	
Net Weight	(kg)	7.933	10.840	15.883	
Packing Dimensions	WxHxH	815x271x330	1010x306x375	1105x340x508	
Gross Weight	(kg)	890x352x400	890x352x400	990x390x730	
Pipe Size	(mm)	Liquid	1/4"	1/4"	3/8"
		Gas	1/2"	1/2"	5/8"
Applicable Area	m²	16-25	25-35	30-60	
Leaving Quantity	(kg)	20/40/40HQ	116/242/280	96/216/220	

All above models are different in indoor panel design, but the same in technical specification.

- The data listed in the form only for reference, and the specific parameter shall refer to product nameplate.
- The applicable area of air conditioner is related to room orientation, insulation level, height of the building, the size and amount of the doors and windows, so that the applicable area is just for reference.
- Quanzhou reserves the right to change the product design, specifications, and parameters. There is no specific notice if there appears any adjustment, please refer to product specification or technical manual.

Wall Split Series

T3 Tropical R410A



CFC-free R410A environmental refrigerant



Features



Specification 【ON-OFF】

31/32

High Efficient Compressor



Chunlan air conditioner adopts high efficient compressor, and creates an extra ordinary standard of failure-free operation for average 60000 hours.

High quality internal thread copper tube



Chunlan always selects high quality parts, adopts R410a high quality refrigerant, and uses copper tube for each set of air conditioner, which can further improve the efficiency of heat exchange.

Blue multi-stage evaporator



Chunlan air conditioner heat exchange system with the blue multi-stage evaportor, has a single hydrophilic membrane coating, which can enhance the heat exchange surface and make highly heat exchange efficient.

Complying With UAE ESMA Standard

Performance	Model	C3S-12/AZ3Wa-E3	C3S-18/AZ3Wa-E3	C3S-24/AZ3Wa-E3
Refrigerant		R410a	R410a	R410a
Cooling Capacity	Blow	12000	18000	24000
Power supply	V~, Hz	1, 220, 60	1, 220, 60	1, 220, 60
Rated Cooling Power Input	W	1160	1650	2325
Rated Heating Power Input	W	1130	1500	2225
Rated Cooling Operating Current	A	5.4	7.8	10.7
Air Flow Volumetric(indoor)	m³/h	880	885	1250
Noise Level (dB(A))	Indoor	30/31/36/40	42/45/48/51	45/48/49/50
	Outdoor	53	54	60
Net Dimensions	WxDxH (mm)	820x190x274	900x190x285	1150x420x320
Net Weight	(kg)	760x250x537	760x270x537	950x310x745
Packing Dimensions	WxDxH (mm)	880x270x360	1020x280x380	1310x430x745
Gross Weight	(kg)	890x350x600	890x350x712	1125x420x875
Pipe Size (inlet)	Liquid	1/4"	1/4"	3/8"
	Gas	1/2"	1/2"	5/8"
Applicable Area	m²	16-25	20-35	30-50
Loading Quantity	(kg)	29/40/48/50	35/45/52/55	42/50/58/60

Complying With KSA SASO Standard

Performance	Model	C3S-12/AZ3Wa-E3-60	C3S-18/AZ3Wa-E3-60	C3S-24/AZ3Wa-E3-60
Refrigerant		R410a	R410a	R410a
Cooling Capacity	Blow	12000	18000	24000
Heating Capacity	Blow	12000	18700	24000
Power supply	V~, Hz	1, 220, 60	1, 220, 60	1, 220, 60
Rated Cooling Power Input	W	1090	1470	2225
Rated Heating Power Input	W	1130	1500	2225
Rated Cooling Operating Current	A	5.1	6.8	10.3
Rated Heating Operating Current	A	5.3	8.8	13.3
IEER(cooling)	(W/W)(±1.5)	11.8	11.8	11.5
COP(heating)	(W/W)(±1.5)	11.8	11.8	11.5
Air Flow Volumetric(indoor)	m³/h	820	885	1250
Noise Level (dB(A))	Indoor	43/49/53/56	42/45/48/51	43/46/48
	Outdoor	53	54	60
Net Dimensions	WxDxH (mm)	800x190x283	900x190x283	1150x420x320
Net Weight	(kg)	780x250x537	820x270x545	950x310x745
Packing Dimensions	WxDxH (mm)	880x270x360	1020x280x380	1310x430x745
Gross Weight	(kg)	880x400x735	880x400x735	1125x420x875
Pipe Size (inlet)	Liquid	1/4"	1/4"	3/8"
	Gas	1/2"	1/2"	5/8"
Applicable Area	m²	16-25	20-35	30-50
Loading Quantity	(kg)	29/40/48/50	35/45/52/55	42/50/58/60

* The data listed in the formality for reference, and the specific parameter will refer to product specification.

* The applicable area of air conditioner is related to room operation, insulation level, height of the building, the size and weight of the doors and windows, so that the applicable area is just for reference.

* Owner reserves the right to change the product design, specifications, and parameters. Thus no specific notice if there appears any adjustment, please refer to product specification and product homepage.

Wall Split Series



Golden



Silver



Red



Blue



Black

R22
Specification (ON-OFF)

33/34

	Model	CS-09RAZ1-I	CS-12RAZ1-I	CS-09RAZ1W1-I	CS-12RAZ1W1-I	CS-09RAZ1W1W1-I	CS-12RAZ1W1W1-I
Refrigerant		R32	R32	R32	R32	R32	R32
Cooling Capacity	Btu/h	8800	12000	9000	12000	8800/12000/14000	12000/15000/16000
Heating Capacity	Btu/h	8400	11000	9400	11000	8800/10000/12000	12000/15000/16000
Power Supply	Ph, V, Hz	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50
Rated Cooling Power Input	W	870	900	870	900	880/900/950	950/1000/1050
Rated Heating Power Input	W	720	700	710	700	700/800/900	900/1000/1100
Rated Cooling Operating Current	A	2.7	4.2	3.1	4.2	3.0/3.7/4.3	3.8/4.8/5.1
Rated Heating Operating Current	A	2.8	4.8	2.8	6.8	3.0/3.8/4.7	4.7/5.9/6.8
Air Flow (Volume/Door)	m³/h	420	540	420	540	480	580
Net Dimensions	m³	0.070/0.074	0.070/0.074	0.070/0.074	0.070/0.074	0.070/0.074	0.070/0.074
Net Dimensions	m²	750x295x321	750x295x321	750x295x321	750x295x321	750x295x321	750x295x321
Net Weight	kg	18.201	21.034	18.201	21.034	18.201	21.034
Packing Dimensions	m³	0.080/0.084/0.70	0.080/0.084/0.70	0.080/0.084/0.70	0.080/0.084/0.70	0.080/0.084/0.70	0.080/0.084/0.70
Gross Weight	kg	880/913/890	880/913/890	880/913/890	880/913/890	880/913/890	880/913/890
Box Size	m³	0.200/0.210	0.200/0.210	0.200/0.210	0.200/0.210	0.200/0.210	0.200/0.210
Applicable Area	m²	12.17	16.25	12.17	16.25	12.17	16.25
Loading Quantity	set	0040000002	0040000002	0040000002	0040000002	0040000002	0040000002

	Model	CS-09RAZ12-I	CS-09RAZ12-W1	CS-09RAZ12W1-I	CS-09RAZ12W1-W1	CS-09RAZ12W1W1-I	CS-09RAZ12W1W1-W1
Refrigerant		R32	R32	R32	R32	R32	R32
Cooling Capacity	Btu/h	8800	12000	9000	12000	8800	12000
Heating Capacity	Btu/h	8400	11000	9400	11000	8800	12000
Power Supply	Ph, V, Hz	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50
Rated Cooling Power Input	W	870	900	870	900	880/900/950	950/1000/1050
Rated Heating Power Input	W	720	700	710	700	700/800/900	900/1000/1100
Rated Cooling Operating Current	A	2.7	4.2	3.1	4.2	3.7	5.2
Rated Heating Operating Current	A	2.8	4.8	2.8	6.8	4.2	6.1
Air Flow (Volume/Door)	m³/h	420	540	420	540	480	580
Net Dimensions	m³	0.070/0.071	0.070/0.071	0.070/0.071	0.070/0.071	0.070/0.071	0.070/0.071
Net Dimensions	m²	750x295x314	750x295x314	750x295x314	750x295x314	750x295x314	750x295x314
Net Weight	kg	18.201	21.034	18.201	21.034	18.201	21.034
Packing Dimensions	m³	0.080/0.084/0.70	0.080/0.084/0.70	0.080/0.084/0.70	0.080/0.084/0.70	0.080/0.084/0.70	0.080/0.084/0.70
Gross Weight	kg	880/913/890	880/913/890	880/913/890	880/913/890	880/913/890	880/913/890
Box Size	m³	0.200/0.210	0.200/0.210	0.200/0.210	0.200/0.210	0.200/0.210	0.200/0.210
Applicable Area	m²	12.17	16.25	12.17	16.25	12.17	16.25
Loading Quantity	set	0040000002	0040000002	0040000002	0040000002	0040000002	0040000002

	Model	CS-09RAZ12W1-I	CS-09RAZ12W1-W1	CS-09RAZ12W1W1-I	CS-09RAZ12W1W1-W1
Refrigerant		R32	R32	R32	R32
Cooling Capacity	Btu/h	9000	12000	9000	12000
Heating Capacity	Btu/h	8600	11300	8600	11300
Power Supply	Ph, V, Hz	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50
Rated Cooling Power Input	W	870	900	870	900
Rated Heating Power Input	W	720	700	710	700
Rated Cooling Operating Current	A	2.7	4.2	3.1	4.2
Rated Heating Operating Current	A	2.8	4.8	2.8	6.8
Air Flow (Volume/Door)	m³/h	420	540	420	540
Net Dimensions	m³	0.070/0.071	0.070/0.071	0.070/0.071	0.070/0.071
Net Dimensions	m²	750x295x314	750x295x314	750x295x314	750x295x314
Net Weight	kg	18.201	21.034	18.201	21.034
Packing Dimensions	m³	0.080/0.084/0.70	0.080/0.084/0.70	0.080/0.084/0.70	0.080/0.084/0.70
Gross Weight	kg	880/913/890	880/913/890	880/913/890	880/913/890
Box Size	m³	0.200/0.210	0.200/0.210	0.200/0.210	0.200/0.210
Applicable Area	m²	12.17	16.25	12.17	16.25
Loading Quantity	set	0040000002	0040000002	0040000002	0040000002

	Model	CS-12RAZ12-I	CS-12RAZ12-W1	CS-12RAZ12W1-I	CS-12RAZ12W1-W1
Refrigerant		R32	R32	R32	R32
Cooling Capacity	Btu/h	12000	16000	12000	16000
Heating Capacity	Btu/h	11000	14000	11000	14000
Power Supply	Ph, V, Hz	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50
Rated Cooling Power Input	W	1000	1100	1000	1100
Rated Heating Power Input	W	720	700	710	700
Rated Cooling Operating Current	A	3.7	4.5	3.1	4.2
Rated Heating Operating Current	A	3.8	4.8	3.1	4.4
Air Flow (Volume/Door)	m³/h	480	600	480	600
Net Dimensions	m³	0.070/0.074	0.070/0.074	0.070/0.074	0.070/0.074
Net Dimensions	m²	750x295x321	750x295x321	750x295x321	750x295x321
Net Weight	kg	21.034	24.037	21.034	24.037
Packing Dimensions	m³	0.080/0.084/0.70	0.080/0.084/0.70	0.080/0.084/0.70	0.080/0.084/0.70
Gross Weight	kg	980/1013/990	980/1013/990	980/1013/990	980/1013/990
Box Size	m³	0.200/0.210	0.200/0.210	0.200/0.210	0.200/0.210
Applicable Area	m²	16.25	20.25	16.25	20.25
Loading Quantity	set	0040000002	0040000002	0040000002	0040000002

* The model CS-09RAZ12W1-I, CS-09RAZ12W1-W1 and CS-12RAZ12W1-I are complying with Australia new MPFS.

* The data listed in the form only for reference, and the specific parameter shall refer to on-site survey.

* The applicable area of an conditioner is related to room orientation, insulation level, height of the building, the site and around of the room and windows, so that the applicable-area is just for reference.

* Chintai reserves the right to change the product design, specification, and parameters. There is no specific notice when appears any equipment, please refer to product specifications and product samples.

A

B

LED backlight
The hidden dynamic LED display conveys power and intelligent.

Simple acrylic molding
Black/Silver transparent mirror acrylic molding will match your room with simple style and aesthetic feeling.

Backlight remote control
A intimate remote control with backlight function, allow you to use even in dark lighting easily. Plan mode with memory function is more convenient.

Independent digital display
The LED display can be turned on or off to show a visible running status depending on user's need.

Features

- Water Voltage Shut
- Preset Super Silence Technology
- Wide Climate Design
- Strong Independent Dehumidification
- Heating anti-cold design
- Independent Ventilation Button
- Sleep Mode
- 24Hr Timer
- Preset Speed Air Outlet
- Backlight Remote Control
- Independent Digital Display Button
- Intelligent Defrost

R22
Specification 【ON-OFF】

Performance	Model	CS-09WHA2D-I	CS-10WHA2D-I	CS-09RAZ2DWh-I	CS-10RAZ2DWh-I	CS-09RAZ2DWh-1	CS-10RAZ2DWh-1
Refrigerant	R22	902	1022	1040s	1040s	1040s	1040s
Cooling Capacity	Brutt	8800	10000	8800	10000	8800	10000
Heating Capacity	Brutt	8000	9200	8000	9200	8000	9200
Power Supply	Ph. V~ Hz	1~220, 50	1~220, 50	1~220, 50	1~220, 50	1~220, 50	1~220, 50
Input Cooling Power Input	W	875	1000	875	1000	875	1000
Input Heating Power Input	W	735	850	735	850	735	850
Rated Cooling Operating Current	A	2.1	2.3	2.1	2.3	2.3	2.3
Rated Heating Operating Current	A	2.0	2.0	2.0	2.0	2.0	2.0
Air Flow Volume(duct)	m³/h	420	480	420	480	420	480
Noise Level	dB(A)	36.0/35.0/35.0	36.2/35.2/35.2	36.0/35.0/35.0	36.2/35.2/35.2	36.0/35.0/35.0	36.2/35.2/35.2
Indoor	dB	36	36	36	36	36	36
Outdoor	dB	36	36	36	36	36	36
Net Dimensions	m×D×H	820×195×374	870×195×374	870×195×374	870×195×374	870×195×374	870×195×374
Net Weight	kg	18.0/18.1	18.8/18.9	18.0/18.1	18.8/18.9	18.0/18.1	18.8/18.9
Packing Dimensions	m×W×H	940×315×476	980×315×476	940×315×476	980×315×476	940×315×476	980×315×476
Gross Weight	kg	19.0/19.1	19.8/20.0	19.0/19.1	19.8/20.0	19.0/19.1	19.8/20.0
Plug Size	(unit)	Liquid	1/4"	Liquid	1/4"	Liquid	1/4"
Applicable Area	m²	12~17	15~21	12~17	15~21	12~17	15~21
Loading Quantity	pc(s)	20/40/40HQ	20/40/40HQ	20/40/40HQ	20/40/40HQ	20/40/40HQ	20/40/40HQ

Performance	Model	CS-09RAZ2D-I	CS-10RAZ2D-I	CS-09RAZ2DWh-I	CS-10RAZ2DWh-I	CS-09RAZ2DWh-1	CS-10RAZ2DWh-1
Refrigerant	R22	902	1022	1040s	1040s	1040s	1040s
Cooling Capacity	Brutt	8800	10000	8800	10000	8800	10000
Heating Capacity	Brutt	8000	9200	8000	9200	8000	9200
Power Supply	Ph. V~ Hz	1~220, 50	1~220, 50	1~220, 50	1~220, 50	1~220, 50	1~220, 50
Input Cooling Power Input	W	740	865	740	865	740	865
Input Heating Power Input	W	610	735	610	735	610	735
Rated Cooling Operating Current	A	2.0	2.0	2.0	2.0	2.0	2.0
Rated Heating Operating Current	A	2.0	2.0	2.0	2.0	2.0	2.0
Air Flow Volume(duct)	m³/h	420	480	420	480	420	480
Noise Level	dB(A)	34.9/33.1/33.1	35.0/33.2/33.2	34.9/33.1/33.1	35.0/33.2/33.2	34.9/33.1/33.1	35.0/33.2/33.2
Indoor	dB	36	36	36	36	36	36
Outdoor	dB	36	36	36	36	36	36
Net Dimensions	m×D×H	820×195×374	870×195×374	870×195×374	870×195×374	870×195×374	870×195×374
Net Weight	kg	18.0/18.1	18.8/18.9	18.0/18.1	18.8/18.9	18.0/18.1	18.8/18.9
Packing Dimensions	m×W×H	940×315×476	980×315×476	940×315×476	980×315×476	940×315×476	980×315×476
Gross Weight	kg	19.0/19.1	19.8/20.0	19.0/19.1	19.8/20.0	19.0/19.1	19.8/20.0
Plug Size	(unit)	Liquid	1/4"	Liquid	1/4"	Liquid	1/4"
Applicable Area	m²	12~17	15~21	12~17	15~21	12~17	15~21
Loading Quantity	pc(s)	20/40/40HQ	20/40/40HQ	20/40/40HQ	20/40/40HQ	20/40/40HQ	20/40/40HQ

Performance	Model	CS-09RAZ2DWh-I	CS-10RAZ2DWh-I	CS-09RAZ2DWh-1	CS-10RAZ2DWh-1	CS-09RAZ2DWh-1	CS-10RAZ2DWh-1
Refrigerant	R22	902	1022	902	1022	902	1022
Cooling Capacity	Brutt	8800	10000	8800	10000	8800	10000
Heating Capacity	Brutt	8000	9200	8000	9200	8000	9200
Power Supply	Ph. V~ Hz	1~220, 50	1~220, 50	1~220, 50	1~220, 50	1~220, 50	1~220, 50
Input Cooling Power Input	W	740	865	740	865	740	865
Input Heating Power Input	W	610	735	610	735	610	735
Rated Cooling Operating Current	A	2.0	2.0	2.0	2.0	2.0	2.0
Rated Heating Operating Current	A	2.0	2.0	2.0	2.0	2.0	2.0
Air Flow Volume(duct)	m³/h	420	480	420	480	420	480
Noise Level	dB(A)	34.9/33.1/33.1	35.0/33.2/33.2	34.9/33.1/33.1	35.0/33.2/33.2	34.9/33.1/33.1	35.0/33.2/33.2
Indoor	dB	36	36	36	36	36	36
Outdoor	dB	36	36	36	36	36	36
Net Dimensions	m×D×H	820×195×374	870×195×374	870×195×374	870×195×374	870×195×374	870×195×374
Net Weight	kg	18.0/18.1	18.8/18.9	18.0/18.1	18.8/18.9	18.0/18.1	18.8/18.9
Packing Dimensions	m×W×H	940×315×476	980×315×476	940×315×476	980×315×476	940×315×476	980×315×476
Gross Weight	kg	19.0/19.1	19.8/20.0	19.0/19.1	19.8/20.0	19.0/19.1	19.8/20.0
Plug Size	(unit)	Liquid	1/4"	Liquid	1/4"	Liquid	1/4"
Applicable Area	m²	12~17	15~21	12~17	15~21	12~17	15~21
Loading Quantity	pc(s)	20/40/40HQ	20/40/40HQ	20/40/40HQ	20/40/40HQ	20/40/40HQ	20/40/40HQ

* The model CS-09RAZ2DWh-I, CS-10RAZ2DWh-I and CS-10RAZ2DWh-1 are complying with Australia New IPSO.

* The value listed in the item only for reference, and the specific parameter shall refer to product samples.

* The applicable size of air conditioners is related to room ventilation, insulation level, height of the building, the size and amount of the doors and windows, as well as applicable area to just for reference.

* Charon reserves the right to change the product design, specification, and parameters. There is no specific initial if there requires any adjustment, please refer to product specifications and product introduction.



R22
Specification **[ON-OFF]**

Smart Wind Direction Design

According to the needs for the cooling and heating, judge the wind upstream or downstream. When Upon cooling vent is up, cold air from the top to down and rapid cooling. When Upon heating vent is down, hot air from the bottom to up rapid heating.

Anti Cold Wind Design

Under heating mode, with anti-cold wind function the indoor unit only begins to blow after heating temperature is warm enough, no cold wind from fan.

Performance	Model	CS-B9R/VFA-5	CS-12R/VFA-5	CS-18R/VFA-5	CS-24R/VFA-5	CS-12R/VFA-6	CS-18R/VFA-6	CS-24R/VFA-6
Refrigerant	R22	R22	R22	R22	R22	R22	R22	R22
Cooling Capacity	80W	900W	1200W	1800W	900W	1200W	1800W	2400W
Heating capacity	80W	940W	1300W	1810W	940W	1300W	1810W	2410W
Power supply	Ph, V~, Hz	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50
Rated Cooling Power Input	W	873	1028	1483	889	1029	1489	1989
Rated Heating Power Input	W	930	1158	1668	949	1160	1671	2161
Rated Cooling Operating Current	A	4.0	5.6	7.7	4.1	5.8	8.1	10.7
Rated Heating Operating Current	A	3.9	5.3	8.8	3.9	5.3	8.6	11.1
Air Flow Velocity(m/min)	m³/h	415	508	860	435	520	888	1200
Noise Level	(dB(A))	Indoor Outdoor	26/33/36/38	26/33/36/43	26/33/36/46	26/33/36/47	26/33/36/48	26/33/36/49
Net Dimensions	WxDxH	Indoor (mm) Outdoor (mm)	780x291x1774 650x250x508	860x261x2174 760x250x508	860x301x2174 658x250x506	860x301x2174 760x250x506	860x301x2174 658x250x506	860x301x2174 760x250x506
Net Weight	(kg)	Indoor/Outdoor	TG_8 7.79	TG_10 10.540	TG_12 7.2_3 7.508	TG_12 10.540	TG_14 7.508	TG_14 10.540
Packing Dimensions	WxDxH	Indoor (mm) Outdoor (mm)	850x260x265 790x250x508	830x300x265 860x260x508	850x300x265 860x260x508	850x300x265 860x260x508	850x300x265 860x260x508	850x300x265 860x260x508
Gross Weight	(kg)	Indoor/Outdoor	9.529.5 7.952	10.339 8.529	10.345 8.529	10.345 8.529	10.345 8.529	10.345 8.529
Pipe Size	(mm)	Liquid Gas	12* 28*	12* 32*	12* 36*	12* 36*	12* 36*	12* 36*
Applicable Area	m²	12-17	16-25	20-35	12-17	16-26	18-36	20-36
Locating Quantity	(set)	200000HQ	1250000HQ	1150000HQ	900000HQ	1250000HQ	1150000HQ	880000HQ

Features



- The data listed in the form only for reference, and the specific parameter shall refer to product manual.
- The applicable area of air conditioner is related to room orientation, insulation level, height of the building, the size and amount of the doors and windows, so that the applicable area is just for reference.
- Chuhuan reserves the right to change the product design, specifications, and parameters. There is no specific notice. If there appears any adjustment, please refer to product specification document.



Floor Standing Air Conditioners



Chunlan 6th generation inverter technology

Unique PAM180 vector DC inverter control technology
Inverter system innovation technology
Intelligent Renesas control chip.
DC high end configuration, multi channel precise adjustment

e star sky, infinite dream

Chunlan e star sky intelligent air conditioner with internet of things function, which adopts Acrylic panel and IMID high end decorative printing technology. The unique multi-arc shaped luxury panel is transparent and gorgeous like crystal. Shining starlight scatter above it and makes a perfect scene.



Intelligent internet of things Free enjoyment



The unique e intelligent internet of things Chunlan air conditioner, seamlessly connect air conditioner, service platform and customer together to create an intelligent interactive system via internet. It is a breakthrough to the time and space limit, reinvention to air conditioner, customer can freely enjoy comfortable living.

intelligent internet of things App



The meticulously developed e intelligent and instrumented App supports the iOS and Android system, which can realize remote control, remote operation. Using optimization code design, simple user interface, it occupies less memory while providing high operating efficiency.

intelligent customization.



Users can set the air conditioner into the most comfortable running mode according to their own needs, such as cooling, heating, dehumidifying, healthy personalized sleeping temperature, wind speed, swing mode and so on. The air conditioner can bring you extreme experience of sleep.

intelligent long distance control



The long distance control can easily solve many practical problems. As long as there are internet signals, you can control the air conditioner at any place, no matter where you are; press one key to send instructions, you can easily control air conditioner from far away and enjoy what you need.

intelligent environment adaptive



Climate varies a lot across the country, the air conditioner can automatically adjust the operating mode according to the difference between temperature, and making full use of the energy of the sun, the most economical running mode, including cooling, heating, dehumidifying, derosting, and other functions.

Chunlan intelligent comfy function

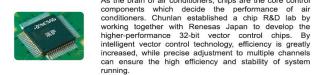
e intelligent Internet of things, control cooling&heating at anywhere
Quintuple intelligence, e fashion life.
Healthy air technology
2nd generation super silencer technology

Circling side air distribution design

Differing from the traditional air conditioner air distribution design, the circling side air distribution design, is quiet and comfortable, just like the natural breeze in the forest.



Intelligent RENESAS Chips



As the brain of air conditioners, chips are the core control components that decide the performance of air conditioners. Chunlan established chip R&D by working together with Renesas Japan to develop the higher-performance 32-bit vector control chips. By increasing the number of control channels greatly increased, while precise adjustment to multiple channels can ensure the high efficiency and stability of system running.

Inverter Class A+ Energy Efficiency Energy saving & High Efficiency

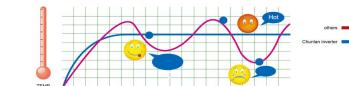


When the unit runs under an ultra-low frequency, the lowest power just equates to the power of a bulb, which also helps the system running with constant temperature. The energy saving performance reaches a new level.

Full DC Advanced Configuration Multiple Channels Precise Adjustment



Ultra low frequency precise temperature control



When the temperature reaches the set value, air conditioner start to run at low frequency with less temperature fluctuation up to + 0.1°C. No sudden cooling or heating, meanwhile the unit will keep running at lowest power consumption to create comfortable living with less energy consumption.



Performance	Model	CF-18R/AXBpWa-1	CF-24R/AXBpWa-1
Refrigerant		R410a	R410a
Cooling Capacity	Btu/h	18000(4100-20500)	24600(6800-26600)
Heating Capacity	Btu/h	19100(5100-22200)	27000(8500-29000)
Power Supply	Ph, V~, Hz	1,220,50	1,220,50
Rated Cooling Power Input	W	1300	2190
Rated Heating Power Input	W	1590	2290
Rated Cooling Operating Current	A	6.01	10.15
Rated Heating Operating Current	A	7.3	10.62
Air Flow Volume (Indoor)	m³/h	800	1000
Noise Level (dB(A))	Indoor	33-45	36-51
	Outdoor	≤55	≤60
Net Dimensions (WxDxH)	Inside(mm)	500x335x1820	500x335x1820
	Outside (mm)	823x275x646	950x360x853
Net Weight (kg)	Indoor/Outdoor	37/50	39/75
Packing Dimensions (WxDxH)	Indoor (mm)	690x541x1955	690x541x1955
	Outdoor (mm)	980x400x730	1125x470x980
Gross Weight (kg)	Indoor/Outdoor	45/65	47/83
Pipe Size (inch)	Liquid	1/4	3/8
	Gas	1/2	5/8
Applicable Area	m²	25-35	32-48
Loading Quantity (set)		25/52/62	22/48/50

* The data listed in the form only for reference, and the specific parameter shall refer to product nameplates.

* The applicable area of air conditioner is related to room orientation, insulation level, height of the building, the size and amount of the doors and windows, so that the applicable area is just for reference. Chunlan reserves the right to change the product design, specifications, and parameters. There is no specific notice if there appears any adjustment, please refer to product specifications and product nameplates.

**A****B**

Air outlet shut automatically
Outlet shut automatically while the unit is turned off. This function can save power and enhance aesthetic.

Glass surface
With the unique tempered glass panel, unit looks more elegant and modern.

Beautiful display screen
New dynamic LED display shows a visible running status.

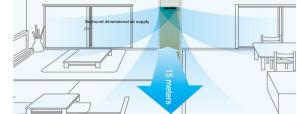
Touch-sensitive buttons
Touch-sensitive buttons make the operation more precise.

Intimate foot line design
Non-destructive to the foot line design, will not destroy the harmonious beauty of room space.

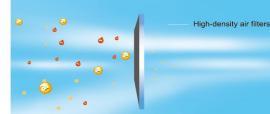
Auto self-cleaning heat exchanger

The condensed water on the evaporator can be quickly drained away.
Condensed water
Dry Oil
When start "Seize" function, cleaning system of air conditioner can take away dust, oil contamination.
When start "Seize" function, cleaning system of air conditioner can take away dust, oil contamination.
Cleaner air conditioner, less power and fresher air!

One of the main reasons of odour emitting from an air conditioner is the dust and bacteria inserting on the evaporator. Auto self-cleaning function can clean the evaporator automatically and reduce the possibility of dust and bacteria inserting inside of the evaporator. Meanwhile, clean evaporator helps the air conditioner keep working efficiently.

Super long Surround dimensional air supply

Cross controlled wind guide blades can achieve three-dimensional wind supply and also can position the wind at any desired angle of wind direction. The air will be delivered comfort to every corner of the room. Even as far as 15 meters, you can also feel comfortable.

High-density air filters

The advanced high-density filter is made high-density organic fibres, which removes dust up to 76.6%, more better than the most ordinary filters. The high density filter keeps the internal of the unit cleaner, and then translates dirty air into cleaner air.

Features

Performance	Model	CF-18R/VF1d-1	CF-24R/VF1d-1	CF-18R/VF1d-2	CF-24R/VF1d-2	CF-18R/VF1d-5	CF-24R/VF1d-5
Refrigerant		R22	R22	R22	R22	R22	R22
Cooling Capacity	Btu/h	18000	24000	18000	24000	18000	24000
Heating Capacity	Btu/h	19000	27000	19000	27000	19000	27000
Power supply	Ph, V~, Hz	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50
Rated Cooling Power Input	W	1515	2250	1610	2400	1900	2750
Rated Heating Power Input	W	1450	2150	1500	2450	1860	2600
Rated Cooling Operating Current	A	7.0	10.4	7.5	11.2	8.7	13.1
Rated Heating Operating Current	A	6.8	10.0	7.0	11.4	8.6	12.1
Air Flow Volume(indoor)	m³/h	820	1000	850	1000	850	1000
Indoor		37/40/43	44/47/50	37/40/43	45/48/51	41/44/47	45/48/51
Noise Level	(dB(A))	55	58	55	60	57	60
Outdoor		55	58	55	60	57	60
Net Dimensions	W×D×H	Inside (mm) 500x320x1760 Outside (mm) 823x275x646	500x320x1760 950x360x853	500x320x1760 823x275x646	500x320x1760 950x310x745	500x320x1760 760x259x537	500x320x1760 950x310x745
Net Weight	(kg)	Indoor/Outdoor 41/50 Indoor (mm) 690x465x1895	43/75 690x465x1895	42/54 690x465x1895	45/65 690x465x1895	42/40 690x465x1895	45/63 690x465x1895
Packing Dimensions	W×D×H	980x400x730 Outdoor (mm) 980x400x730	1120x490x1010 1120x490x1010	980x400x730 1120x490x1010	980x400x730 1120x490x1010	896x352x600 1125x420x875	896x352x600 1125x420x875
Gross Weight	(kg)	Indoor/Outdoor 53/55 Liquid 1/4"	55/67 3/8"	54/62 1/4"	57/73 3/8"	54/45 1/4"	57/71 3/8"
Pipe Size	(inch)	Gas 1/2"	5/8"	1/2"	5/8"	1/2"	5/8"
Applicable Area	m²	20-37	30-58	20-37	30-58	20-37	30-58
Loading Quantity	(set)	20/40/40HQ	32/67/77	23/48/52	32/66/77	27/58/66	36/78/90
		32/67/77	23/48/52	32/66/77	27/58/66	36/78/90	27/58/66

* The data listed in the form only for reference, and the specific parameter shall refer to product nameplates.

* The applicable area of air conditioner is related to room orientation, insulation level, height of the building, the size and amount of the doors and windows, so that the applicable area is just for reference.

* Chunlan reserves the right to change the product design, specifications, and parameters. There is no specific notice if there appears any adjustment, please refer to product specifications and product nameplates.



Air outlet shut automatically
Outlet shuts automatically while the unit is turned off. This function can save power and enhance aesthetic feelings.

Glass surface
With the unique tempered glass panel, unit looks more elegant and modern.

Beautiful display screen
New dynamic LED display shows a visible running status.

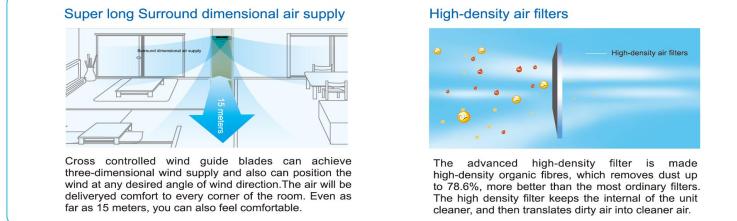
Touch-sensitive buttons
Touch-sensitive buttons make the operation more precise.

Intimate foot line design
Non-destructive to the foot line design, will not destroy the harmonious beauty of room space.

Auto self-cleaning heat exchanger

The condensed water on the evaporator can be quickly drained away.
The condensed water line can take away dust, oil contamination.
When start "clean" function, cleaning system of air conditioner can remove the water on the evaporator and prevent mold growing.
Cleaner air conditioner, less power and fresher air.

One of the main reasons of odour emitting from an air conditioner is the dust and bacteria inserting on the evaporator. Auto self-cleaning function can clean the evaporator automatically and reduce the possibility of dust and bacteria inserting inside of the evaporator. Meanwhile, clean evaporator helps the air conditioner keep working efficiently.



Features



Performance	Model	CF-18R/VF2d-1	CF-24R/VF2d-1	CF-18R/VF2d-2	CF-24R/VF2d-2	CF-18R/VF2d-5	CF-24R/VF2d-5
Refrigerant		R22	R22	R22	R22	R22	R22
Cooling Capacity	Btu/h	18000	24000	18000	24000	18000	24000
Heating Capacity	Btu/h	19000	27000	19000	27000	19000	27000
Power supply	V, V~, Hz	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50
Rated Cooling Power Input	W	1515	2250	1610	2400	1900	2750
Rated Heating Power Input	W	1450	2150	1500	2450	1860	2600
Rated Cooling Operating Current	A	7.0	10.2	7.5	11.2	8.7	13.1
Rated Heating Operating Current	A	6.8	10.0	7.0	11.4	8.6	12.1
Air Flow Volume(indoor)	m³/h	850	1000	850	1000	850	1000
Noise Level (dB(A))	Indoor	38/41/44	44/47/50	41/44/47	45/48/51	41/44/47	45/48/51
	Outdoor	55	58	55	60	57	60
Net Dimensions W*D*H	Inside (mm)	500x285x1720	500x285x1720	500x285x1720	500x285x1720	500x285x1720	500x285x1720
	Outside (mm)	823x275x646	950x360x853	823x275x646	950x310x745	760x259x537	950x310x745
Net Weight (kg)	Indoor/Outdoor	3750	3975	3754	3965	3740	3963
Packing Dimensions W*D*H	Indoor (mm)	690x425x1855	690x425x1855	690x425x1855	690x425x1855	690x425x1855	690x425x1855
	Outdoor (mm)	980x400x730	1120x490x1010	980x400x730	1125x420x875	896x502x600	1125x420x875
Gross Weight (kg)	Indoor/Outdoor	48/55	50/57	45/62	47/73	45/45	47/71
Pipe Size (inch)	Liquid	1/4"	3/8"	1/4"	3/8"	1/4"	3/8"
	Gas	1/2"	5/8"	1/2"	5/8"	1/2"	5/8"
Applicable Area (m²)		20-37	30-58	20-37	30-58	20-37	30-58
Loading Quantity (set)		20'/40'/40'HQ	32/68/78	24/50/60	32/68/78	30/60/70	38/60/94
							30/60/70

- The data listed in the form only for reference, and the specific parameter shall refer to product nameplates.
- The applicable area of air conditioner is related to room orientation, insulation level, height of the building, the size and amount of the doors and windows, so that the applicable area is just for reference.
- Chuhuan reserves the right to change the product design, specifications, and parameters. There is no specific notice if there appears any adjustment, please refer to product specifications and product nameplates.



Features

-  Related Super Silence Technology
-  Controllable Air Cooled/ Electric Heating Functionality
-  Strong Independent Denomination
-  Anti-East Air Purifier
-  Intelligent Operation Button
-  Backlight Remote Control
-  24 Hour Timer
-  White Noise Sleep
-  Intelligent Digital Display Screen
-  Intelligent Device
-  Non-Obtrusive Design

Performance	Model	CF-18RvG21d-1	CF-24RvD1c1-1	CF-18RvF3d-2	CF-24RvF3d-2
Refrigerant	R22	R22	R22	R22	
Cooling Capacity	880W	18000	24000	18000	
Heating Capacity	880W	18000	24000	18000	
Power supply	Vs, V~, Hz	1, 220, 60	1, 220, 60	1, 220, 60	
Rated Cooling Power Input	W	1510	2250	1610	
Rated Heating Power Input	W	1450	2150	1500	
Rated Cooling Operating Current	A	7.0	10.5	7.0	
Rated Heating Operating Current	A	6.8	10.0	7.0	
Air Flow Volume(Values)	(m³/h)	850	1300	850	
Indoor	364/3165	45/8691	364/3165	45/8691	
Outdoor	80	80	80	80	
Net Dimensions	M(DH)	Inside (mm): 590x285x1780 Outside (mm): 823x215x640			
Net Weight	(kg)	3610	3710	3710	3710
Packing Dimensions	M(DH)	Inside (mm): 690x425x1915 Outside (mm): 965x425x1915			
Gross Weight	(kg)	4405	4683	4582	4573
Pipe Size	(mm)	1/4"	3/8"	1/4"	3/8"
Applicable Area	(m²)	20-37	30-58	20-37	30-58
Loading Quantity	(set)	20/18/14/10/10	12/8/8/7/7	23/18/12	20/18/7/7

Performance	Model	CF-18RvP2d-2	CF-24RvYF3-2	CF-24RvP3d-2	CF-30RvP3-2
Refrigerant	R22	R22	R22	R22	
Cooling Capacity	880W	18000	24000	36000	
Heating Capacity	880W	18000	24000	36000	
Power supply	Vs, V~, Hz	1, 220, 60	1, 220, 60	1, 220, 60	
Rated Cooling Power Input	W	1600	2750	3500	
Rated Heating Power Input	W	1600	2600	3400	
Rated Cooling Operating Current	A	8.7	13.1	12.0	
Rated Heating Operating Current	A	8.5	12.1	11.8	
Air Flow Volume(Values)	(m³/h)	850	1300	1080	1300
Indoor	4116/447	4548/51	4948/61	4776/53	
Outdoor	67	80	66	62	
Net Dimensions	M(DH)	Inside (mm): 590x285x1780 Outside (mm): 760x359x537	Inside (mm): 590x285x1780 Outside (mm): 823x215x846	Inside (mm): 590x285x1780 Outside (mm): 823x215x846	Inside (mm): 590x285x1780 Outside (mm): 823x215x846
Net Weight	(kg)	3710	3965	3965	4036.5
Packing Dimensions	M(DH)	Inside (mm): 690x425x1915 Outside (mm): 965x425x1915			
Gross Weight	(kg)	4846	4111	4777	4988.5
Pipe Size	(mm)	1/4"	3/8"	3/8"	3/8"
Applicable Area	(m²)	20-37	30-58	30-58	45-89
Loading Quantity	(set)	20/18/14/10/10	35/30/30/30	32/38/38	20/18/7/7

Air outlet silent technology
It is the best environment for the rest of the room. The air outlet silent technology can effectively reduce noise.

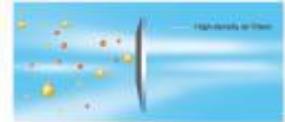
Intimate foot line design
The advanced high-density filter is made high-density organic fibers, which removes dust up to 78.6% more better than the most ordinary filters. The high density filter keeps the internal of the unit cleaner, and then translates dirty air into cleaner air.

Beautiful display screen
New dynamic LCD display shows a visible running status.

Touch-sensitive buttons
Touch-sensitive buttons make the operation more precise.

Super long Surround dimensional air supply


Cross-controlled wind guide blades can achieve three-dimensional air supply and also can position the wind at any desired angle of wind direction. The air will be delivered comfort to every corner of the room. Even as far as 10 meters, you can also feel comfortable.

High-density air filters


The advanced high-density filter is made high-density organic fibers, which removes dust up to 78.6% more better than the most ordinary filters. The high density filter keeps the internal of the unit cleaner, and then translates dirty air into cleaner air.

* The data listed in the book only for reference, and the specific parameter value refer to product specification.
** The applicable area of an conditioner is related to room orientation, insulation level, height of the building, the size and amount of doors and windows, so that the applicable area is just for reference.
*** Shurcon reserves the right to change the product design, specification, and parameters. There is no specific notice if there appears any adjustment, please refer to product specification and product website.



Chunlan innovative technologies

Inverter potential optimization technology

Improved technology of inverter system optimizes quadratic mode and interval of sine operation frequency and can expand the performance of heating and cooling. Under the operating frequency, the units may reach required cooling or heating capacity at speed and less energy consumption. It realizes the revolutionary breakthrough of inverter technology.



System balance technology

After the objective, accurate calculation and analysis on a number of technical and economic indicators, plus the full consideration of the system's overall performance model to achieve a comprehensive balance based on scientific computation and optimization. The balances include the balance of indoor and outdoor heat exchanger, the balance between compressor and system, the balance between wind field and system, the balance between the system shunts etc., which improve by 32% of operating performance system.



Modal analysis technology

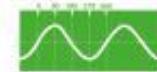
Modal analysis, which is generally used for aircraft manufacturing, is applied in air conditioner design by chunlan. Chunlan adopts more accurate and more efficient vibration modal analysis technology to analyze specific natural frequency of components, damping ratio and modal modes, and design products. By this way, chunlan makes the quality of each components more perfect.

International leading vector control chip



This chip is the "brain" of the air conditioning and the power control. In order to bring the air conditioning performance, chunlan adopts Japanese Renesas High-performance 32-bit vector control chip technology to greatly enhance operating efficiency and ensure the system stable.

180° vector DC inverter control technology



Independent control of each motor's position, can accurately detect the position of the rotor of the compressor and make the compressor operating current and the axis anastomosis constant. Compared with the 120° square wave technology, it can improve the operating efficiency of the compressor.

Features



Performance	Model	CF-18R/VF48P2Wa-2	CF-24R/VF48P2Wa-2	CF-16R/GC19P2Wa-3	CF-24R/GC19P2Wa-3
Refrigerant		R410a	R410a	R410a	R410a
Cooling Capacity	Gross	18000(BTU/H-20500)	24000(BTU/H-26000)	18000(BTU/H-20500)	24000(BTU/H-26000)
Heating Capacity	Gross	19100(5100-22300)	27500(8500-29000)	19100(5100-22200)	27500(8500-29000)
Power supply	V, Hz	1, 220, 50	1, 220, 60	1, 220, 50	1, 220, 50
Rated Cooling Power Input	W	1480(400-1900)	2380(450-3000)	1900(400-2200)	2750(500-3100)
Rated Heating Power Input	W	1700(400-2200)	2480(430-2900)	1800(400-2300)	2700(500-3000)
Rated Cooling Operating Current	A	6.7(1.8-8.6)	10.9(2.1-14.8)	7.8(1.8-13.8)	12.8(2.6-14.8)
Rated Heating Operating Current	A	7.8(1.9-10.0)	11.4(2.3-13.6)	8.9(1.8-13.5)	12.8(2.5-14.1)
Air Flow Volume(Outdoor)	m³/h	850	1000	850	1000
Net Weight	(kg)	Indoor: 39.4/24.5 Outdoor: 53	Indoor: 45.4/25.1 Outdoor: 58	Indoor: 39.4/24.5 Outdoor: 53	Indoor: 45.4/25.1 Outdoor: 58
Net Dimensions	WxDxH (mm)	500x285x1780	500x285x1780	500x285x1780	500x285x1780
Packing Dimensions	WxDxH (mm)	Indoor: 680x425x1915 Outdoor: 906x352x712	686x425x1915 Outdoor: 1125x420x870	690x425x1915 Outdoor: 696x352x712	690x425x1915 Outdoor: 1125x420x870
Gross Weight	(kg)	Indoor/Outdoor: 444/30	Indoor/Outdoor: 499/30	Indoor/Outdoor: 444/32	Indoor/Outdoor: 499/34
Pipe Size	(mm)	Liquid: 19 ¹ / ₂ , Gas: 12 ¹ / ₂	Liquid: 23 ¹ / ₂ , Gas: 12 ¹ / ₂	Liquid: 19 ¹ / ₂ , Gas: 12 ¹ / ₂	Liquid: 23 ¹ / ₂ , Gas: 12 ¹ / ₂
Applicable Area	m ²	20-37	30-58	23-37	30-58
Leading Quantity	1set	20/40/50/70	35/75/88	35/65/78	35/75/88

* The data listed in the form only for reference, and the specific parameter shall refer to product manual.

* The applicable area of air conditioner is related to room orientation, insulation level, height of the building, the size and amount of the doors and windows, so that the applicable area is just for reference.

* Chunlan reserves the right to change the product design, specifications, and parameters. There is no specific notice if there appear any adjustment, please refer to product specifications and product manual.



Window Air Conditioners



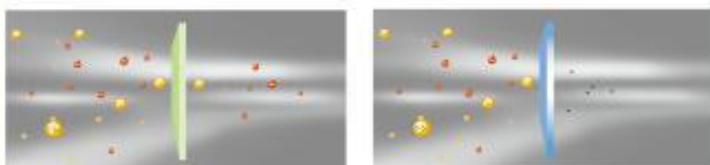
A



B

High-density air filters

The advanced high-density filter is made high-density organic fibers, which removes dust up to 75.0%, more better than the most ordinary filters. The high density filter keeps the interior of the unit cleaner, and then transforms dirty air into cleaner air.

**Features**

Performance	Model	CW-09R2	CW-12R2	CW-16R1	CW-18R1
Refrigerant		R22	R22	R22	R22
Cooling Capacity	Btu/h	1600	12000	16000	18000
Heating Capacity	Btu/h			18000	
Power supply	W, V~, Hz	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50
Rated Cooling Power Input	W	1080	1330	2190	2390
Rated Heating Power Input	W				2900
Rated Cooling Operating Current	A	5.1	6.3	9.9	10.5
Rated Heating Operating Current	A				9.5
Air Flow Volume(indoor)	m³/h	350	390	760	760
Noise Level	dB(A)A	53/58	53/59	60/65	60/67.5
Net Dimensions	W × D × H mm	520×495×340	520×495×340	755×660×436	755×660×436
Net Weight	kg	29	31	58	72
Packing Dimensions	W × D × H mm	610×676×435	610×716×435	850×750×525	850×750×525
Gross Weight	kg	32	35	64	78
Applicable Area	m²	12-17	16-25	24-40	24-40
Loading Quantity	set	20/40/40HQ	178/278/454	178/278/454	84/188/208

Performance	Model	C3W-18R1	C3W-16R1B	C3W-16R1-B0	C3W-20R1B	C3W-20R1
Refrigerant		R22	R22	R22	R22	R22
Cooling Capacity	Btu/h	16000	18000	16000	20000	20000
Heating Capacity	Btu/h			18000		
Power supply	W, V~, Hz	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50	1, 220, 50
Rated Cooling Power Input	W	1900	2400	2200	2400	2750
Rated Heating Power Input	W		2400			2750
Rated Cooling Operating Current	A	8.8	11.3	10.2	11.8	12.8
Rated Heating Operating Current	A		11.3			12.8
Air Flow Volume(indoor)	m³/h	750	750	750	850	850
Noise Level	dB(A)A	59/65	59/67.5	59/64	62/69	62/69
Net Dimensions	W × D × H mm	750×660×436	750×693×436	750×660×436	750×693×436	750×660×436
Net Weight	kg	60	72	68	83	75
Packing Dimensions	W × D × H mm	850×750×525	850×750×525	850×750×525	850×750×525	850×750×525
Gross Weight	kg	64	76	64	88	81
Applicable Area	m²	23-39	23-38	23-39	30-60	30-50
Loading Quantity	set	20/40/40HQ	84/168/208	84/168/208	84/188/208	84/168/208

- * The data listed in the form only for reference, and the specific parameter shall refer to product catalogue.
- * The applicable area of air conditioners is related to room orientation, insulation level, height of the building, the size and amount of the doors and windows, so that the applicable area is just for reference.
- * Churchill reserves the right to change the product design, specifications, and parameters. There is no specific value if there appears any adjustment, please refer to product specification and product catalogue.