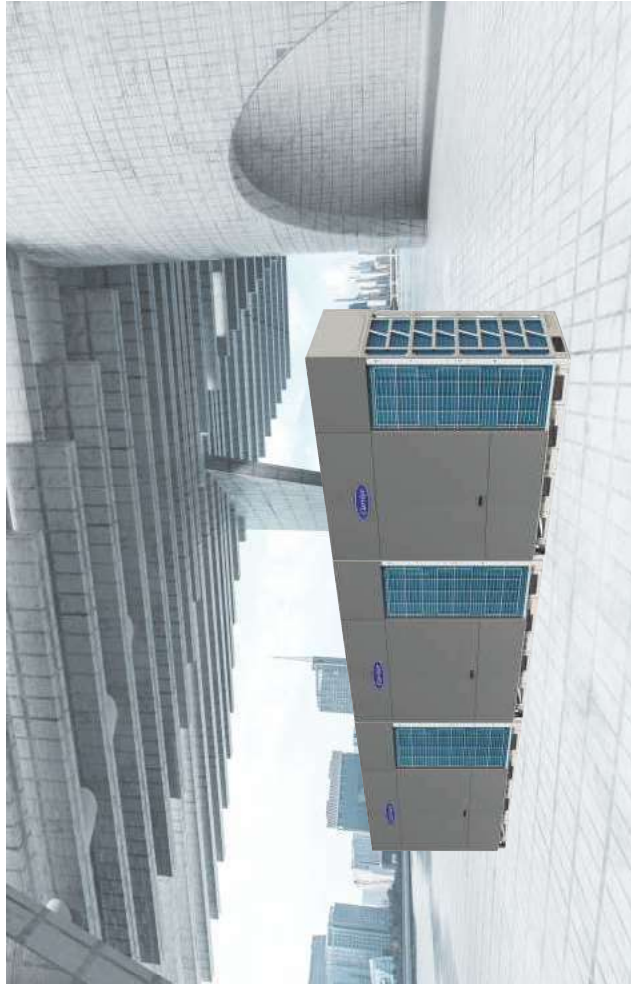




XPOWER

FULL DC INVERTER

VRF



CARRIER SERVICE HELPLINE
1800 3000 3545
1800 1021 421

For more details, please contact our sales office:

CORPORATE & REGISTERED OFFICE: Carrier Air Conditioning & Refrigeration Limited, Khark (Dault) Post, Nanpigarh, Dulha-Bajaur Highway, Gujranwala-122004, Hariana, India.
SALES OFFICES: Ahmedabad: 079-44820400/401, Chandigarh: 0120-4183260, Bangalore: 080-43442000, Bhubaneswar: 9776030033, Chandigarh: 0172-5007549/50, Chennai: 044-66448888, Cochin: 0484-402900/001, Coimbatore: 7397444250, Durgam: 011-23244491, 9810973264, Delhi/NCR: 0124-4873200, Goa: 9887868667, Guwahati: 9831079624, Hyderabad: 040-4181 2222, Indore: 0731-2445200, Jaipur: 0141-4927137 / 738, Kolkata: 033-40592000/3000, Lucknow: 0522-4158701/704, Navli Mumbai/Thane: 9167788252, Mumbai: 022-61700700, Nagpur: 988174803, Patna: 7070621177, Pune: 020-48571000, Raipur: 9752542882, Surat: 7433920332.

CIN: U74999HR1992FLC036104/ Website: www.carrierindia.com / E-mail: customersupport@carrier.com



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April 2025

OUTDOOR UNITS



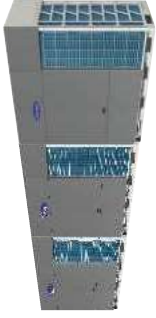
X Power (Combination Series)
X Power i (Individual series)

The X Power Series VRF uses a variety of algorithms and self-learning technology to monitor the operation of the equipment through operating parameters and timely maintenance, so that the equipment always runs in optimal condition throughout its life cycle.

Outdoor Unit Lineup - Heat Pump

X Power (Combination Series)

HP	8-20	22-28	30-38
Single Unit			

HP	40-76	78-114
Combination Unit		

X Power (i)

HP	8-20	22-28	30-38
Single Unit			



OUTDOOR UNITS



X Power (Cooling Only)

The X Power Series VRF uses a variety of algorithms and self-learning technology to monitor the operation of the equipment through operating parameters and timely maintenance, so that the equipment always runs optimal condition throughout its life cycle.

Outdoor Unit Lineup X Power X Power (Cooling only)

HP	8-22	24-32
Single Unit		
HP	34-64	66-96
Combination Unit		



Anti-corrosion



Rain & snow proof



Dustproof



Insect proof



Sealed Box

IP55 fully enclosed electric control box provides all-round protection for internal electronic components, greatly improving system **RELIABILITY**.

The electronic components are fully enclosed & isolated from the external environment to protect against corrosion, sand, humidity, snowstorm and other harsh conditions, and to prevent small animals and insects from entering the chamber. To provide comprehensive protection for the internal electronic devices, the overall environmental tolerance has been improved.

All Microchannel Refrigerant Cooling

All electronic components including inverter module, filter module and power module are cooled by specially designed microchannel heat exchanger to ensure that the electronic components work in the best temperature range.



Built-in Circulating Fan

The built-in circulating fan accelerates the air flow inside the chamber, and the heat exchange is more sufficient to ensure the consistent ambient temperature inside the chamber.



BENEFITS



High reliability



Stable operation

■ IP (INGRESS PROTECTION)

IP

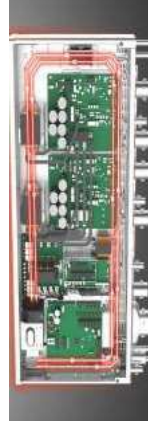
Dustproof grade code
Prevent entry foreign
objects and dust

55

Waterproof grade code
Prevent water spray in
all directions

PTC Heater*

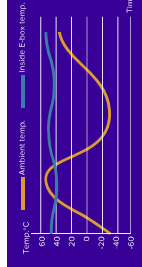
The unique PTC heater, with precise temperature control sensor, can still ensure that the temperature inside the chamber is within the normal operating temperature range of electronic devices even in the low-temperature environment of -30°C.



5 High Precision Temperature Sensors

5 high precision temperature sensors are used to accurately monitor the operation state of electronic control under various conditions to ensure that the internal temperature of the chamber is always kept within a stable range.

*Only in Heat Pump



Benefits



High reliability



Stable operation



Enhanced comfort

Comprehensive Sensor



Comprehensive Sensor

The status of the refrigerant is known anywhere throughout the process, ensuring high RELIABILITY and COMFORT.

Up to 19 sensors are distributed throughout the refrigerant system, and the status of the refrigerant is known anywhere throughout the process, ensuring stable operation. At the same time, combined with the digital twin technology of the refrigerant system, a virtual sensor can be created in the event of a physical sensor failure, so that the system does not shut down in the event of a sensor failure, ensuring comfort.

Complete Sensors

The X Power VRF has the industry's most comprehensive range of 19 condition sensors with built-in data models for compressors, heat exchangers, throttling components and more. By analyzing sensor data in real time, it can sense the status of the refrigerant anywhere in the system.



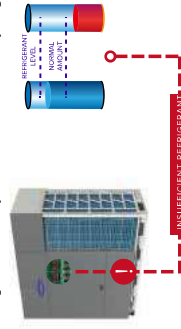
Virtual Sensor Backup

In the event of a sensor failure, other sensors can automatically simulate a virtual backup sensor, so that the VRF system can continue to operate without stopping.



Refrigerant Amount Diagnosis*

Thanks to the complete sensors, the refrigerant running state is clearly visible, so as to accurately diagnose the amount of refrigerant.



*optional feature



Benefits

Energy saving

Enhanced comfort

Fast cooling/heating

Carrier ETA (CETA) 2.0

CETA is the abbreviation of Carrier Evaporating Temperature Alteration. Further upgraded CETA technology to maximize ENERGY SAVING.

(Built-in professional operation and maintenance algorithm, so that the annual operation energy efficiency of each set of systems increased)



STEP 1: Architectural space feature recognition

The indoor unit automatically recognizes the size of the building space and the effectiveness of the insulation according to the rate of temperature drop.

Variable Refrigerant Flow



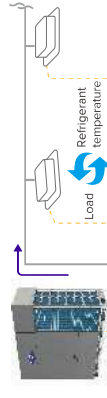
Automatic calculation of the building load and the required refrigerant quantity based on the sensor parameters.



STEP 2: System refrigerant temperature determination

The system automatically matches the evaporating temperature (in cooling) or condensing temperature (in heating) to the room load to maximize comfort and energy efficiency.

Variable Refrigerant Temperature



Automatic matching of the corresponding refrigerant temperature to the load.



STEP 3: Adaptive indoor airflow and refrigerant flow

Each indoor unit automatically adjusts the corresponding indoor airflow and refrigerant flow according to the evaporating/condensing temperature, enabling precise temperature control.

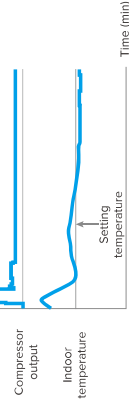
Variable Indoor Airflow



Conventional refrigerant regulation



X Power refrigerant regulation





Benefits Easy maintenance Fast maintenance Low maintenance cost

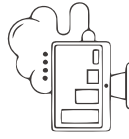
Diaognistic tool 2.0

Further upgraded Diaognistic tool to maximize Easy Service.

Based on a cloud-based platform of big data and artificial intelligence, the X power Series VRF can monitor the operation status of each unit in real time, predict system faults in advance and provide data analysis for system maintenance. Intelligent Bluetooth module and special Bluetooth after-sales kit can further simplify maintenance and improve maintenance efficiency.

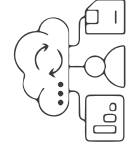
Real-time Monitoring of Operating Parameters

The X power Series VRF synchronizes and stores all the unit parameters to the cloud through the data cloud gateway, including the running status, locking status, dirty blocking rate, all spot inspection parameters and so on. Users can query real-time and historical parameters on computers, tablets and mobile phones at any time.



Cloud-based Big Data Analytics

X power VRF transmits the system operation data to the cloud in real time through the data cloud gateway, and timely reminds the system of abnormal conditions through big data analysis, helping users to proactively avoid the risk of failure that has not yet occurred and minimize hidden problems.



Intelligent Maintenance Tool

With intelligent Bluetooth module or special Bluetooth after-sales kit, the data of the outdoor unit can be directly read and written on your smart phone without the needs of connecting PC or opening cabinet.



*The Bluetooth module is available as a customization option.

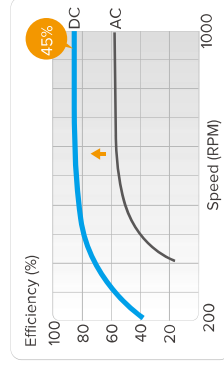
*The data cloud gateway needs to be purchased separately.

High Efficiency

Full DC Inverter Technology

Full DC Inverter for Outdoor Components

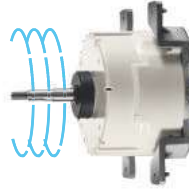
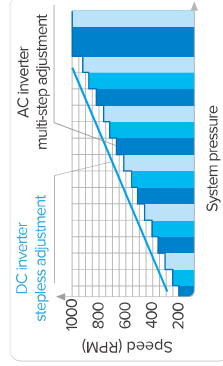
The X power VRF uses full DC inverter compressor and fan motor to achieve high precision stepless speed adjustment according to system operation, and ensures that the system is always in optimum condition, operating more efficiently, more consistently and with less noise.



Wider frequency adjustment range

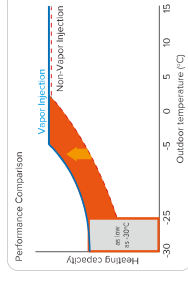
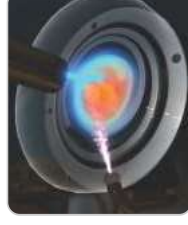
Faster cooling and heating

Higher energy efficiency



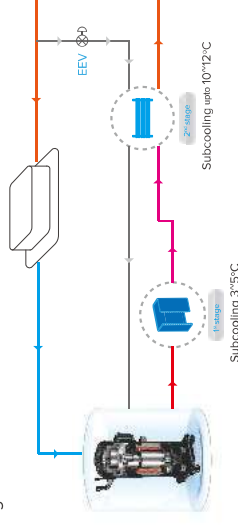
Enhanced Vapor Injection (EVI) Scroll Compressor

The enhanced vapor injection DC inverter compressor increases refrigerant circulation and improves both cooling and heating capacity.



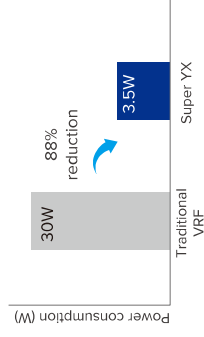
Advanced Subcooling Technology

The X power VRF uses a micro-channel heat exchanger to further cool the refrigerant and the refrigerant system can achieve 12°C refrigerant subcooling, which can further improve the refrigerant heat transfer efficiency while reducing the sound of refrigerant flow.



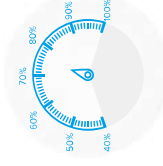
Low Standby Power Consumption

Compared to the standby power consumption of traditional VRF of about 30W, the X power Series VRF uses optimized control scheme to further reduce standby power consumption to as low as 3.5W.



60-step Energy Management

For projects with temporary electricity supply restrictions, the outdoor unit supports 60-step energy management which can be set to output 40-100% capacity in 1% increments. It prevents tripping during electricity supply restriction conditions and remains system continue to operate.



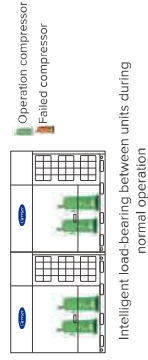
High Reliability

Quadruple Backup

In two fans, two compressors and multiple units, one can run in backup for another. Additionally, the X power series VRF generates a corresponding virtual sensor for each physical sensor by means of a digital algorithm, which serves as a backup for each other, ensuring no shutdown in the event of a fault, and further guaranteeing comfort.

1 Unit Backup

In a multi-unit system, the different units act as a backup to each other, ensuring that the system can continue to operate if one unit fails.



3 Compressor Backup

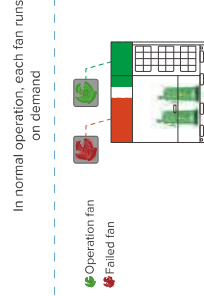
In unit with two compressors, the two compressors act as a backup to each other, ensuring that the system can continue to operate if one compressor fails.



Continue operating in case of failure of one compressor

2 Fan Backup

In unit with two fans, the two fans act as a backup to each other, ensuring that the system can continue to operate if one fan fails.



4 Sensor Backup

Through digital algorithms, each physical sensor generates a corresponding virtual sensor that acts as a backup to each other, ensuring that the failure of one sensor does not affect the normal operation of the system.

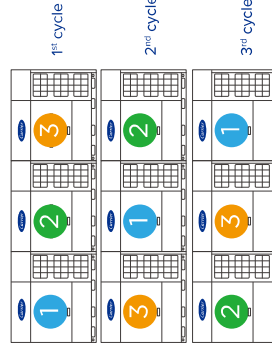


Automatic backup operation of the corresponding virtual sensor in case of failure of one physical sensor

Double Duty Cycling

1 Unit Duty Cycling

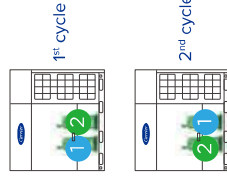
In a multi-unit system, duty cycling equalizes the running time of each outdoor unit, significantly extending unit lifespan.



Note: The duty cycling sequence shown in the figure is only a schematic reference. The actual duty cycling sequence is not a fixed sequence. Please refer to the technical manual for specific rotation rules.

2 Compressor Duty Cycling

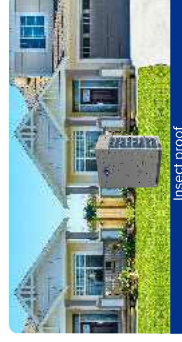
In units with two compressors, duty cycling equalizes the running time of each compressor, significantly extending compressor lifespan.



Compressor start-up sequence

Sealed Box

IP55 fully enclosed electric control box provides all-round protection for internal electronic components, greatly improving system reliability.



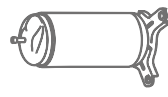
Comprehensive Sensor

X power Series VRF uses up to 19 sensors for each outdoor unit and 4 sensors for each indoor unit. The operating status of the system refrigerant is clearly visible, which can realize intelligent analysis of operation parameters, intelligent error diagnosis and forecasting, and visualized energy saving.

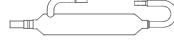


Precise Oil Control

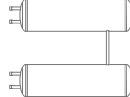
Four stages of oil control technology ensure all outdoor compressor oil is always kept at a safe level, eliminating any compressor oil shortage problems.



- 1 Compressor internal oil separation.



- 2 High-efficiency centrifugal oil separator (with separation efficiency of up to 99%) ensures that oil is separated from the discharge gas and returned to the compressors in a timely fashion.



- 3 Oil balance pipes between gas-liquid separator ensure even oil distribution to keep compressors running normally.

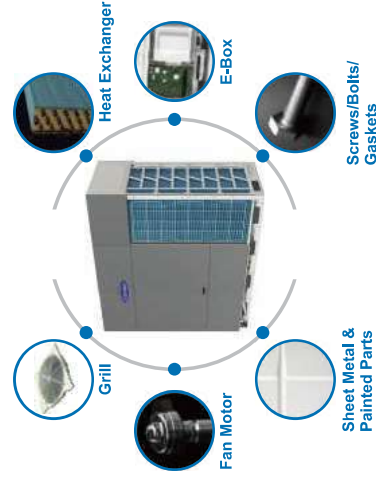


- 4 The automatic oil return program determines the oil return through the running time and the oil discharge amount, enabling precise oil return.

Heavy Anti-corrosion Protection*

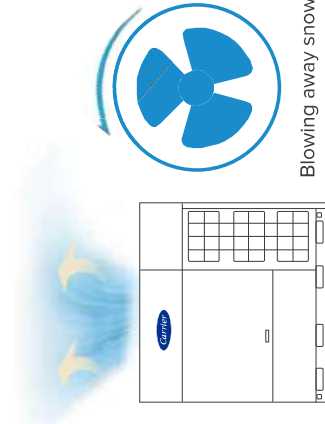
Outdoor units are given anti-corrosion treatment for non-extreme conditions as standard and can also be customized with heavy anti-corrosion treatment on main components for surface protection against corrosive air, acid rain and saline air (for installations in coastal regions) to extend overall useful life. The integrity of the anti-corrosion treatment is ensured by subjecting major components and parts to salt mist testing, moisture and heating testing and light aging testing.

*Heavy anti-corrosion treatment is available as a customization option.



Auto Snow-blowing Function

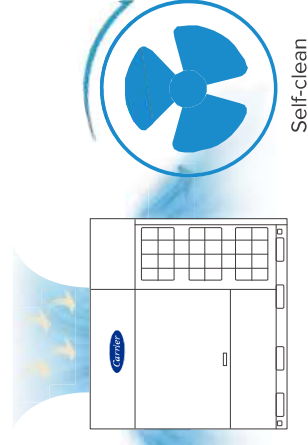
The innovatively designed auto snow-blowing function enables the outdoor unit to prevent the accumulation of snow by itself.



Blowing away snow

Auto Dust-clean Function

The innovatively designed dust-clean function enables the outdoor unit to prevent the dust by itself.



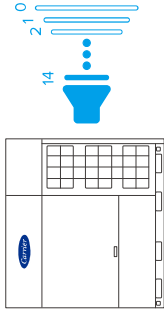
Self-clean

Enhanced Comfort



Advanced Silent Technology

15-step silent mode provide more freedom and convenience to match the customer needs.



15 silent options

Auto Cooling-heating Changeover

Automatically selects cooling or heating mode to achieve the set temperature.



6 Priority Modes

6 priority mode options provide more freedom and convenience to match the customer needs.



Cooling priority



Auto priority



Cooling only



Heating only



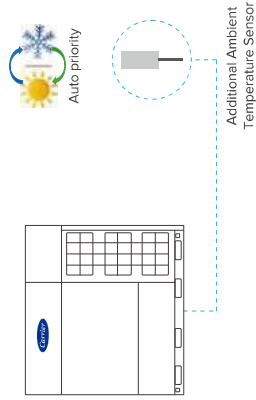
Quantity vote priority



VIP priority

Additional Ambient Temperature Sensor*

The X Power Series VRF can be equipped with an additional external temperature sensor to determine whether the system is operating in cooling or heating in auto priority mode. For some installations, the ambient temperature sensor fixed on the unit cannot detect the true ambient temperature, resulting in the system operating in an inappropriate mode and affecting indoor comfort. The external ambient temperature sensor can detect the true outdoor ambient temperature, correctly judge whether the system is running in cooling or heating, ensuring indoor comfort.



*This function is available as a customization option.

Wide Application Range

Wide Capacity Range

The X power Series VRF are available in individual series and combination series. The individual series has capacities from 8HP to 38HP and the combinable series from 8HP to 114HP, perfectly suited for small to large buildings.

X power

Single unit  8-20HP	Single unit  22-28HP	Single unit  30-38HP
Combined unit  40-76HP	Combined unit  78-114HP	
X power (i) Single unit  8-20HP	Single unit  22-28HP	Single unit  30-38HP

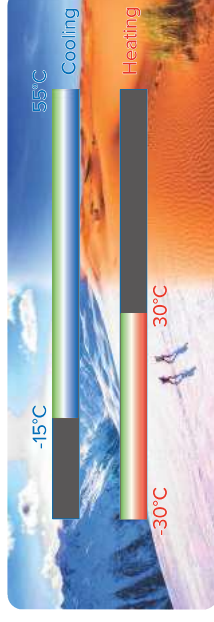
X Power (Co)

The single unit has capacities from 8HP to 32HP & the combined unit from 34HP to 96HP

Single unit  8-22HP	Single unit  24-32HP
Combined unit  34-64HP	Combined unit  66-96HP

Wide Operation Range *

Thanks to the EVI compressor and refrigerant cooling technology, the X power Series VRF can operate at temperatures as low as -30°C for heating and up to 55°C for cooling.



Long Piping Capability

*Only in Heat Pump

The total piping length of the X power system can be up to 1100m, the level difference between indoor and outdoor units can be up to 110m and the level difference between indoor units can be up to 40m, making the X power Series VRF perfectly suitable for all buildings.

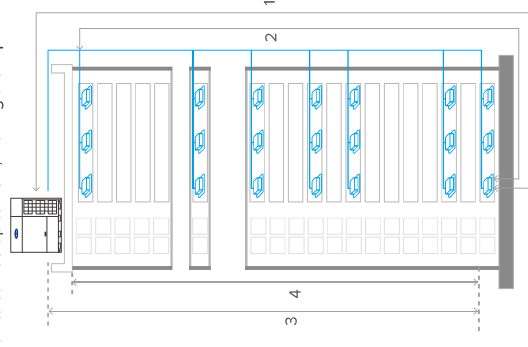
Total piping length: **1100m**
1 Longest piping length - actual (equivalent): **220(260)m**

2 Longest piping length after first branch: **120*m**

3 Level difference between IDUs and ODU - ODU above (below): **110(110)m**

4 Level difference between IDUs: **40m**

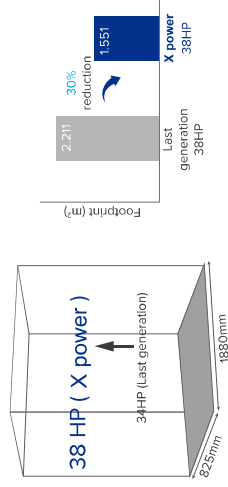
*The longest length after first branch is 40m as standard but can be extended to up to 120m under certain conditions. Please contact your local dealer for further information.



Easy Installation and Service

Space Saving

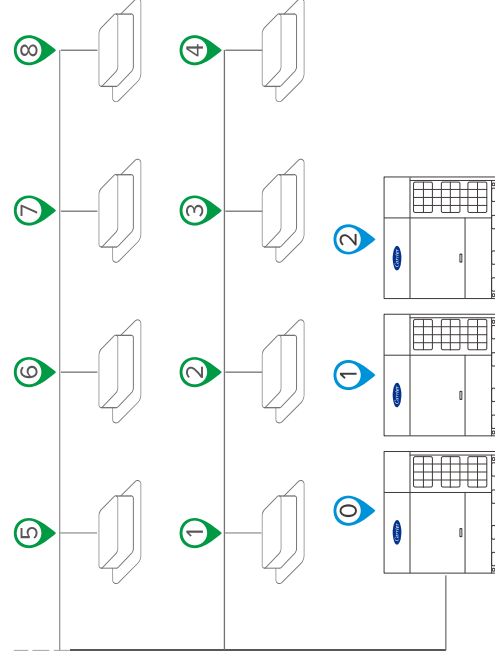
The X power Series VRF has large capacity and small size, with a capacity of up to 38 HP in a single unit.* A single unit can provide cooling/heating for a space of 400m². The space-saving advantages are particularly obvious for large projects.



*Only in Heat Pump

Auto Addressing

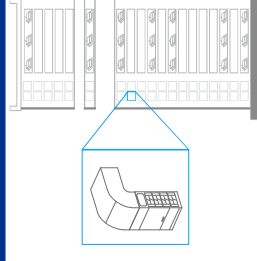
Addresses for all indoor units and combined outdoor units can be assigned automatically by the X power system, further simplifying installation.



External Static Pressure up to 120Pa*

The static pressure of the outdoor unit can be up to 120Pa which facilitates installation of the unit on each floor of high-rise building or on balconies.

*High external static pressure upto 120 pa is a customize option.



Automatic Refrigerant Charging*

Compared to manual refrigerant charging, automatic refrigerant charging greatly simplifies the process, making installation and maintenance easier and more efficient.

Manual refrigerant charging

- 1 Calculate additional refrigerant quantity
- 2 Connect refrigerant tank to the outdoor unit & start filling process
- 3 Observe the weight scale to check the refrigerant charge
- 4 Close the shut-off valve manually & finish filling process

*This function is available as a customization option.

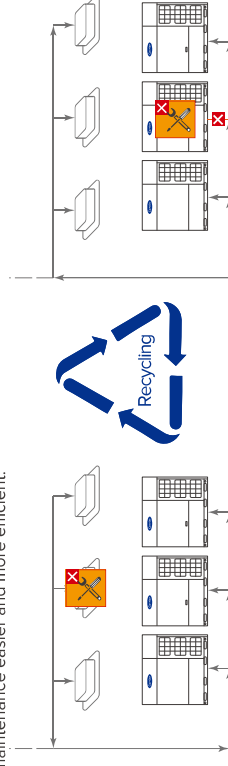
Automatic refrigerant charging

- 1 Connect refrigerant tank to the outdoor unit & activate automatic charging function
- 2 Close the shut-off valve automatically & finish filling process



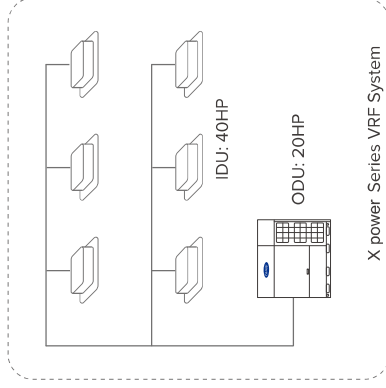
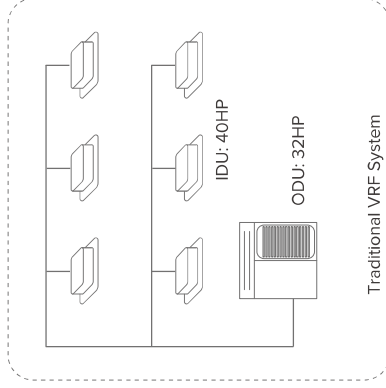
Automatic Refrigerant Recycling

When an indoor unit fails, the refrigerant can be recycled into the outdoor units. When part of the outdoor unit fails, the refrigerant can be recycled into the indoor units and the normal outdoor unit. Two types of refrigerant recycling make the maintenance easier and more efficient.



Wide Combination Ratio*

Compared to traditional VRF with combination ratio of 50-130%, the X power Series VRF can be extended to 50-200%, and the wider combination ratio allows for more flexible system configuration. The larger combination ratio can be applied to long-term part-load operation scenarios, allowing for further reduction in installation costs.



*Combination ratio over 130% is available as a customization option.
Please contact Carrier for more details.

Easy Software Program Upgrade

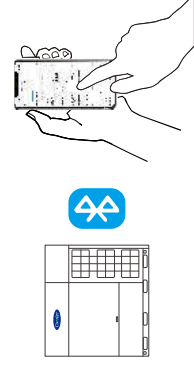
In addition to upgrading the program of outdoor and indoor units through USB and burner, the new product can also remotely upgrade all the programs of indoor and outdoor units through data cloud gateway, making system upgrades very convenient and ensuring that the system program is always up to date.

*Optional feature selected IDU



Smart Commissioning/Maintenance Tool

With the newly developed smart tool (Bluetooth after-sales kit), system settings, operating parameter queries, trial runs and programme upgrades are all possible without opening the cabinet

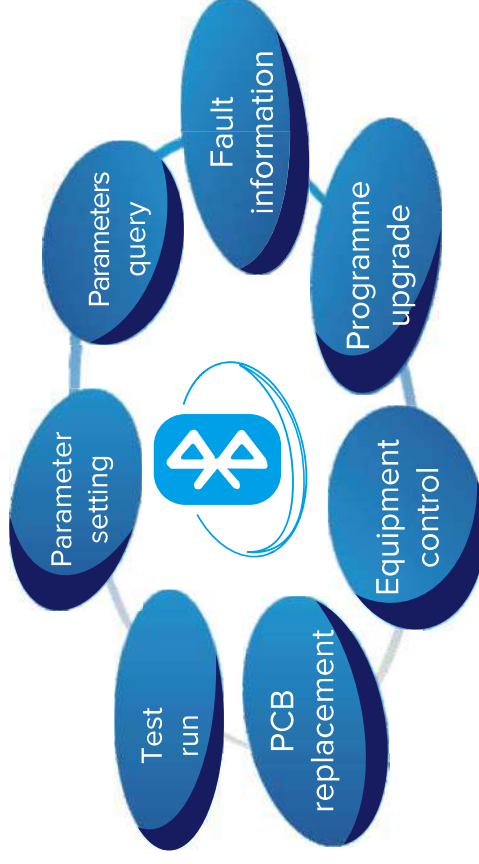


Useful in the following situations :

- Installation
- Service maintenance

Main functions :

- Fault information storage
- Operating parameters query
- Start commissioning test run
- System parameter setting
- Quick after-sales PCB replacement
- Equipment control
- Indoor and outdoor units programme upgrade



SPECIFICATIONS

X power (Standard combination)*

HP	8	10	12	14
Model	38VF008H19018-X	38VF010H19018-X	38VF012H19018-X	38VF014H19018-X
Power supply	380-415/3/50			
Cooling ¹	Capacity kW 484/h	25.2 86 315	28 95.5 315	33.5 114.3 375
Heating ²	Capacity kW 484/h	27 92.1 315	31.5 107.5 375	35 128 415
Maximum indoor unit combinations	13	16	19	23
Compressor	Type Quantity Oil type Start-up method	DC Scroll Inverter		
	Type	FVC68D		
	Motor type	Propeller		
Fan	Quantity Motor output Airflow rate Drive type	1 kW m ³ /h Direct		
Refrigerant	Type Factory charge	R410A		
Pipe connections ³	Liquid pipe Gas pipe	7 56	7 57	7 59
Sound pressure level ⁴	dB(A)	57	57	59
Net weight	kg	195	195	197
Ambient temp.	Cooling Heating	-15 to 55 -30 to 30		
operation range	Cooling Heating	-15 to 55 -30 to 30		

HP	16	18	20	22
Model	38VF016H19018-X	38VF018H19018-X	38VF020H19018-X	38VF022H19018-X
Power supply	380-415/3/50			
Cooling ¹	Capacity kW 484/h	45 153.5 50	50 170.6 56	56 191.1 63
Heating ²	Capacity kW 484/h	50 170.6 56	56 191.1 63	63 215 69
Maximum indoor unit combinations	26	29	33	36
Compressor	Type Quantity Oil type Start-up method	DC Scroll Inverter		
	Type	FVC68D		
	Motor type	Propeller		
Fan	Quantity Motor output Airflow rate Drive type	1 kW m ³ /h Direct		
Refrigerant	Type Factory charge	R410A		
Pipe connections ³	Liquid pipe Gas pipe	8 59	8 60	8.4 61
Sound pressure level ⁴	dB(A)	59	60	62
Net dimensions (WxHxD)	mm	213	940-1760-825	1340-1760-825
Ambient temp.	Cooling Heating	-15 to 55 -30 to 30		
operation range	Cooling Heating	-15 to 55 -30 to 30		

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5 m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5 m with zero level difference.
3. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the XPower Technical Data Book for connection piping diameters.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

*Heat Pump

X power (Standard combination)*

HP	24	26	28	30
				
Model	38VF024HT19018-X	38VF026HT19018-X	38VF028HT19018-X	38VF030HT19018-X
Power supply	V/Ph/Hz kW kBTu/h			
Cooling ¹	67	73	78.5	85
Heating ²	228.6	249.1	267.9	290
Maximum indoor unit	39	43	46	50
Compressor	Oil type Start-up method Type Quantity Motor output Airflow rate Type Type			
Fan	22000			
Refrigerant	R410A			
Pipe connections ³	9.3	12	12	19
Sound pressure level ⁴	62	62	62	63
Packed dimensions (W×H×D)	1405-1945-890	1405-1945-890	1405-1945-890	1945-1945-890
Gross weight	315	335	335	403
Ambient temp.	-15 to 55	-15 to 55	-15 to 55	-15 to 55
operation range	-30 to 30	-30 to 30	-30 to 30	-30 to 30

X power (Standard combination)*

HP	40	42	44	46
				
Model	38VF040HT19018-X	38VF042HT19018-X	38VF044HT19018-X	38VF046HT19018-X
Power supply	V/Ph/Hz kW kBTu/h			
Cooling ¹	111.5	117	123	128.5
Heating ²	380.4	399.2	419.7	438.5
Maximum indoor unit	64	64	64	64
Compressor	Oil type Start-up method Type Quantity Motor output Airflow rate Type Type			
Fan	37600			
Refrigerant	R410A			
Pipe connections ³	8-9.3	8-9.3	8-12	8-12
Sound pressure level ⁴	65	65	65	65
Packed dimensions (W×H×D)	213-295	213-295	213-295	213-315
Gross weight	213-295	213-295	213-295	213-315
Ambient temp.	-15 to 55	-15 to 55	-15 to 55	-15 to 55
operation range	-30 to 30	-30 to 30	-30 to 30	-30 to 30

HP	32	34	36	38
				
Model	38VF032HT19018-X	38VF034HT19018-X	38VF036HT19018-X	38VF038HT19018-X
Power supply	V/Ph/Hz kW kBTu/h			
Cooling ¹	90	95.2	101	106
Heating ²	307.1	324.8	344.6	361.7
Maximum indoor unit	53	56	59	62
Compressor	Oil type Start-up method Type Quantity Motor output Airflow rate Type Type			
Fan	28000			
Refrigerant	R410A			
Pipe connections ³	21	21	21	21
Sound pressure level ⁴	64	64	64	66
Packed dimensions (W×H×D)	1880-1760-825	1880-1760-825	1880-1760-825	1880-1760-825
Gross weight	405	405	405	408
Ambient temp.	-15 to 55	-15 to 55	-15 to 55	-15 to 55
operation range	-30 to 30	-30 to 30	-30 to 30	-30 to 30

HP	48	50	52	54
				
Model	38VF048HT19018-X	38VF050HT19018-X	38VF052HT19018-X	38VF054HT19018-X
Power supply	V/Ph/Hz kW kBTu/h			
Cooling ¹	135	140	145.5	151
Heating ²	460.6	477.7	496.5	515.2
Maximum indoor unit	64	64	64	64
Compressor	Oil type Start-up method Type Quantity Motor output Airflow rate Type Type			
Fan	43500			
Refrigerant	R410A			
Pipe connections ³	8-19	9-3-12	9-3-12	8-21
Sound pressure level ⁴	66	66	66	66
Packed dimensions (W×H×D)	1340-1760-825	1340-1760-825	1340-1760-825	1340-1760-825
Gross weight	213-295	213-295	213-295	213-315
Ambient temp.	-15 to 55	-15 to 55	-15 to 55	-15 to 55
operation range	-30 to 30	-30 to 30	-30 to 30	-30 to 30

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5 m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5 m with zero level difference.
- Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the XPower Technical Data Book for connection piping diameters.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

*Heat Pump

X power (Standard combination)*

HP	56	58	60	62
				
Model	38VF056H19018-X	38VF058H19018-X	38VF060H19018-X	38VF062H19018-X
Power supply	V/Ph/Hz			
Cooling ¹	Capacity	156	162	167.5
	kW	532.3	552.8	571.5
Heating ²	Capacity	175	182	188
	kW	597.1	621	641.4
Maximum indoor unit Combinations	64	64	64	64
Compressor	Type	3	DC Scroll Inverter	
	Quantity	3	4	
	Oil type		FVC68D	
	Start-up method		Soft start	
	Type		Propeller	
	Motor type		DC	
	Quantity	3	4	
	Motor output	0.92~3	0.56~2.0, 92~2	
Fan	Airflow rate	44600	45500	51000
	Drive type		Direct	
Refrigerant	Type		R410A	
	Factory charge	81~21	8.4~21	9.3~21
Pipe connections ³	Liquid pipe		Ø19.1	Ø19.1
	Gas pipe		Ø41.3	Ø41.3
Sound pressure level ⁴	dB(A)	66	(1340×1760×825)~(1880×1760×825)	
Net weight	kg	213~408	215~408	235~408
Ambient temp.	°C	-15 to 55	-15 to 55	-15 to 55
operation range	°C	-30 to 30	-30 to 30	-30 to 30

HP	64	66	68	70
				
Model	38VF064H19018-X	38VF066H19018-X	38VF068H19018-X	38VF070H19018-X
Power supply	V/Ph/Hz	V/Ph/Hz	380-415/3/50	380-415/3/50
Cooling ¹	Capacity kW	179	184.5	191
	kBtu/h	610.8	629.6	651.7
Heating ²	Capacity kW	200.5	206.5	214
	kBtu/h	684.1	704.6	730.2
Maximum indoor unit Combinations	64	64	64	64
Compressor	Type	DC Scroll Inverter		
	Quantity	4		
	Oil type	FVC68D		
	Start-up method	Soft start		
	Type	Propeller		
	Motor type	DC		
Fan	Quantity	4		
	Motor output	0.56~2.0×0.92~2		
	Airflow rate	50500	50500	58000
	Drive type	Direct		
Refrigerant	Type	R410A		
Pipe connections ³	Factory charge	12~21	12~21	19~21
	Liquid pipe	Ø19.1	Ø22.2	Ø22.2
	Gas pipe	Ø41.3	Ø44.5	Ø44.5
Sound pressure level ⁴	mm	66		
Net weight	mm	(1340×1760×825)~(1880×1760×825)		
Ambient temp.	kg	315~408	373~408	405~408
operation range	°C	-15 to 55	-15 to 55	-15 to 55
	°C	-30 to 30	-30 to 30	-30 to 30

Notes:

- Indoor temperature 27°C DB, 19°C WB, outdoor temperature 35°C DB, equivalent refrigerant piping length 7.5 m with zero level difference.
- Indoor temperature 20°C DB, outdoor temperature 7°C DB, 6°C WB, equivalent refrigerant piping length 7.5 m with zero level difference.
- Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the XPower Technical Data Book for connection piping diameters.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

*Heat Pump

X power (Standard combination)*

HP	72	74	76	78
				
Model	38VF072H19018-X	38VF074H19018-X	38VF076H19018-X	38VF078H19018-X
Power supply	V/Ph/Hz	V/Ph/Hz	380-415/3/50	380-415/3/50
Cooling ¹	Capacity	201.2 686.5 kW	207 708.3 kW	212 723.4 742.1 kW
Heating ²	Capacity	225 767.7 kW	231 788.2 kW	238 812 832.5 kW
Maximum indoor unit Combinations	64	64	64	64
Compressor	Type	DC Scroll Inverter		
	Quantity	5		
	Oil type	FVC68D		
	Start-up method	Soft start		
	Motor type	Propeller		
	Motor type	DC		
Fan	Quantity	4		
	Motor output	0.92~4		
	Airflow rate	57000	58000	58000
	Drive type	Direct		
Refrigerant	Type	R410A		
	Factory charge	21~2	21~2	21~2
	Liquid pipe	mm	mm	8-9.3-21
	Gas pipe	mm	mm	mm
Pipe connections ³	mm	mm	mm	mm
Sound pressure level ⁴	dB(A)	66	66	67
Net dimensions (W×H×D)	mm	(1880×1760×825)~2		
Net weight	kg	405~408	408~2	(940×1760×825)~(1880×1760×825)
Ambient temp.	°C	-15 to 55	-15 to 55	-15 to 55
operation range	°C	-30 to 30	-30 to 30	21~2/95~4/68

HP	80	82	84	86
				
Model	38VF080H19018-X	38VF082H19018-X	38VF084H19018-X	38VF086H19018-X
Power supply	V/Ph/Hz	V/Ph/Hz	380-415/3/50	380-415/3/50
Cooling ¹	kW	223	229	241
	kBtu/h	760.9	781.4	822.3
Heating ²	kW	250	256.5	270
	kBtu/h	853	875.2	921.3
Maximum indoor unit Combinations	64	64	64	64
Compressor	Type	DC Scroll Inverter	5	5
	Quantity	4	5	5
	Oil type	FVC68D		
	Start-up method	Soft start		
	Type	Propeller		
	Motor type	DC		
Fan	Quantity	4	5	5
	Motor output	0.56~2.0, 92~3	0.56~2.0, 92~3	0.92~5
	Airflow rate	66600	66600	73600
	Drive type	Direct		
Refrigerant	Type	Direct		
	Factory charge	R410A		
Pipe connections ³	kg	8~9.3~21	8~12~21	8~19~21
	Liquid pipe	Ø22.2		Ø25.4
	Gas pipe	Ø44.5		Ø50.8
Sound pressure level ⁴	dB(A)	67		68
Net dimensions (W×H×D)	mm	(940×1760×825)~(1340×1760×825)~(1880×1760×825)		(940×1760×825)~
Net weight	kg	213~295~408	213~315~408	213~373~408
Ambient temp.	°C	-15 to 55	-15 to 55	-15 to 55
operation range	°C	-30 to 30	-30 to 30	-30 to 30
	Heating			

Notes:

- Indoor temperature 27°C DB, 19°C WB, outdoor temperature 35°C DB, equivalent refrigerant piping length 7.5 m with zero level difference.
- Indoor temperature 20°C DB, outdoor temperature 7°C DB, 6°C WB, equivalent refrigerant piping length 7.5 m with zero level difference.
- Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the XPower Technical Data Book for connection piping diameters.
- Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

*Heat Pump

X power (Standard combination)*

HP	88	90	92	94
				
Model	38VF088HI9018-X	38VF090HI9018-X	38VF092HI9018-X	38VF094HI9018-X
Power supply	V/Ph/Hz	V/Ph/Hz	V/Ph/Hz	V/Ph/Hz
Cooling ¹	Capacity kW kBTu/h	246 858.2 876.9	257 876.9 894	262 884
Heating ²	Capacity kW kBTu/h	275.5 940	288 960.5	294 1003.1
Maximum indoor unit combinations	64	64	64	64
Compressor	Type Quantity Oil type Start-up method Soft start Propeller DC	6 FVC68D FVC68D DC	5 FVC68D FVC68D DC	5 FVC68D FVC68D DC
Fan	Motor output Airflow rate	0.56×4+0.92×2 72500	0.56×4+0.92×2 72500	0.92×5 73600
Refrigerant	Type Factory charge Liquid pipe Gas pipe dB(A)	9.3×12×21 kg mm mm 68	9.3×12×21 kg mm mm 68	8.2×1×2 kg mm mm 68
Pipe connections ³	Net dimensions (W×H×D)	(1340×1760×825)×2 (1880×1760×825)	(1340×1760×825)×2 (1880×1760×825)	(1340×1760×825)×2 (1880×1760×825)
Sound pressure level ⁴	Net weight	295×315×408 kg	295×315×408 kg	315×408×2 kg
Ambient temp.	operation range	-15 to 55 °C	-15 to 55 °C	-15 to 55 °C

Notes:
 1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5 m with zero level difference.
 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5 m with zero level difference.
 3. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the XPower Technical Data Book for connection piping diameters.
 4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

*Heat Pump

X power (Standard combination)*

HP	104	106	108	110
				
Model	38VF0104HI9018-X	38VF0106HI9018-X	38VF0108HI9018-X	38VF0110HI9018-X
Power supply	V/Ph/Hz	V/Ph/Hz	V/Ph/Hz	V/Ph/Hz
Cooling ¹	Capacity kW kBTu/h	290.5 991.3 1013.4	297 1013.4 1031.2	302.2 1031.2 1048.2
Heating ²	Capacity kW kBTu/h	325.5 1100.6	333 1136.2	344 1173.7
Maximum indoor unit combinations	64	64	64	64
Compressor	Type Quantity Oil type Start-up method Soft start Propeller DC	6 FVC68D FVC68D DC	6 FVC68D FVC68D DC	6 FVC68D FVC68D DC
Fan	Motor output Airflow rate	0.56×2+0.92×4 79500	0.56×2+0.92×4 79500	0.92×6 86000
Refrigerant	Type Factory charge Liquid pipe Gas pipe dB(A)	12×21×2 kg mm mm 68	12×21×2 kg mm mm 68	21×3 kg mm mm 68
Pipe connections ³	Net dimensions (W×H×D)	(1340×1760×825)×2 (1880×1760×825)	(1340×1760×825)×2 (1880×1760×825)	(1340×1760×825)×2 (1880×1760×825)
Sound pressure level ⁴	Net weight	315×408×2 kg	315×408×2 kg	405×408×2 kg
Ambient temp.	operation range	-15 to 55 °C	-15 to 55 °C	-15 to 55 °C

Notes:
 1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5 m with zero level difference.
 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5 m with zero level difference.
 3. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the XPower Technical Data Book for connection piping diameters.
 4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

*Heat Pump

X power (Standard combination)*

HP	96	98	100	102
				
Model	38VF096HI9018-X	38VF098HI9018-X	38VF0100HI9018-X	38VF0102HI9018-X
Power supply	V/Ph/Hz	V/Ph/Hz	V/Ph/Hz	V/Ph/Hz
Cooling ¹	Capacity kW kBTu/h	268 914.5 933.2	279 952 972.5	285 972.5
Heating ²	Capacity kW kBTu/h	301 1027	313 1047.4	319.5 1090.1
Maximum indoor unit combinations	64	64	64	64
Compressor	Type Quantity Oil type Start-up method Soft start Propeller DC	5 FVC68D FVC68D DC	6 FVC68D FVC68D DC	6 FVC68D FVC68D DC
Fan	Motor output Airflow rate	0.92×5 74500	0.56×2+0.92×4 80000	0.92×5 79500
Refrigerant	Type Factory charge Liquid pipe Gas pipe dB(A)	8.4×21×2 kg mm mm 68	9.3×21×2 kg mm mm 68	12×21×2 kg mm mm 68
Pipe connections ³	Net dimensions (W×H×D)	(1340×1760×825)×2 (1880×1760×825)	(1340×1760×825)×2 (1880×1760×825)	(1340×1760×825)×2 (1880×1760×825)
Sound pressure level ⁴	Net weight	215×408×2 kg	295×408×2 kg	315×408×2 kg
Ambient temp.	operation range	-15 to 55 °C	-15 to 55 °C	-15 to 55 °C

Notes:
 1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5 m with zero level difference.
 2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5 m with zero level difference.
 3. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the XPower Technical Data Book for connection piping diameters.
 4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

*Heat Pump

X power(i)

HP	8	10	12	14
Model	38VF008-HI9018-XI	38VF010-HI9018-XI	38VF012-HI9018-XI	38VF014-HI9018-XI
Power supply	V/Ph/Hz kW			
Cooling¹	25.2	28	33.5	40
	86	95.5	114.3	136.5
Heating²	27	31.5	37.5	45
	92.1	107.5	128	153.5
Maximum indoor unit Combinations	13	16	19	23
Compressor	Type Quantity Oil type Start-up method Type Motor type DC			
	DC Scroll Inverter			
Fan	Type Quantity Motor output Drive type			
	FVC68D Soft start Propeller DC			
	1			
	0.56			
Refrigerant	Type Drive type			
	R410A			
Pipe connections³	7	7	7	7
	Liquid pipe			
	Gas pipe			
Sound pressure level⁴	56	57	59	59
	dB(A)			
Net dimensions (W×H×D)	195	940×1760×825	197	1340×1760×825
Net weight	195	15 to 55	197	15 to 55
	kg			
Ambient temp.	-15 to 55			
	°C			
operation range	-30 to 30			
	°C			

X power(i)

HP	24	26	28	30
Model	38VF024-HI9018-XI	38VF026-HI9018-XI	38VF028-HI9018-XI	38VF030-HI9018-XI
Power supply	V/Ph/Hz kW			
Cooling¹	67	73	78.5	85
	228.6	249.1	267.9	290
Heating²	75	81.5	87.5	95
	255.9	278.1	298.6	324.2
Maximum indoor unit Combinations	39	43	46	50
Compressor	Type Quantity Oil type Start-up method Type Motor type DC			
	DC Scroll Inverter			
Fan	Type Quantity Motor output Drive type			
	FVC68D Soft start Propeller DC			
	2			
	0.56×2			
Refrigerant	Type Drive type			
	R410A			
Pipe connections³	9.3	12	12	19
	Liquid pipe			
	Gas pipe			
Sound pressure level⁴	62	62	63	64
	dB(A)			
Net dimensions (W×H×D)	295	1340×1760×825	315	1880×1760×825
Net weight	295	15 to 55	315	15 to 55
	kg			
Ambient temp.	-15 to 55			
	°C			
operation range	-30 to 30			
	°C			

HP

HP	16	18	20	22
Model	38VF016-HI9018-XI	38VF018-HI9018-XI	38VF020-HI9018-XI	38VF022-HI9018-XI
Power supply	V/Ph/Hz kW			
Cooling¹	45	50	56	61.5
	153.5	170.6	191.1	209.8
Heating²	50	56	63	69
	170.6	191.1	215	235.4
Maximum indoor unit Combinations	26	29	33	36
Compressor	Type Quantity Oil type Start-up method Type Motor type DC			
	DC Scroll Inverter			
Fan	Type Quantity Motor output Drive type			
	FVC68D Soft start Propeller DC			
	1			
	0.92			
Refrigerant	Type Drive type			
	R410A			
Pipe connections³	8	8	8.4	9.3
	Liquid pipe			
	Gas pipe			
Sound pressure level⁴	60	61	62	62
	dB(A)			
Net dimensions (W×H×D)	273	940×1760×825	215	1340×1760×825
Net weight	273	15 to 55	215	295
	kg			
Ambient temp.	-15 to 55			
	°C			
operation range	-30 to 30			
	°C			

HP

HP	32	34	36	38
Model	38VF032-HI9018-XI	38VF034-HI9018-XI	38VF036-HI9018-XI	38VF038-HI9018-XI
Power supply	V/Ph/Hz kW			
Cooling¹	90	95.2	101	106
	307.1	324.8	344.6	361.7
Heating²	100	106	112	119
	341.2	361.7	382.2	406
Maximum indoor unit Combinations	53	56	59	62
Compressor	Type Quantity Oil type Start-up method Type Motor type DC			
	DC Scroll Inverter			
Fan	Type Quantity Motor output Drive type			
	FVC68D Soft start Propeller DC			
	2			
	0.92×2			
Refrigerant	Type Drive type			
	R410A			
Pipe connections³	21	21	21	21
	Liquid pipe			
	Gas pipe			
Sound pressure level⁴	64	65	65	67
	dB(A)			
Net dimensions (W×H×D)	405	1880×1760×825	408	1880×1760×825
Net weight	405	15 to 55	408	15 to 55
	kg			
Ambient temp.	-15 to 55			
	°C			
operation range	-30 to 30			
	°C			

Notes:

1. Indoor temperature 27°C DB, 19°C WB, outdoor temperature 35°C DB, equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB, outdoor temperature 7°C DB, 6°C WB, equivalent refrigerant piping length 7.5m with zero level difference.
3. DB: Dry Bulb, WB: Wet Bulb.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

Notes:

1. Indoor temperature 27°C DB, 19°C WB, outdoor temperature 35°C DB, equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB, outdoor temperature 7°C DB, 6°C WB, equivalent refrigerant piping length 7.5m with zero level difference.
3. DB: Dry Bulb, WB: Wet Bulb.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

SPECIFICATIONS COOLING ONLY

X Power (Cooling Only)

HP		8	10	12	14
Model name	Power supply	380V/3/50C11901B-X	380V/3/50C11901B-X	380V/3/50C11901B-X	380V/3/50C11901B-X
	Cooling ¹	380-412/2/50	26.0	33.5	40.0
Connected indoor unit	Maximum quantity	224	260	335	400
	Type	764	95.5	114.2	136.4
Compressor	Quantity	13	16	19	23
	Oil type	DC Scroll Inverter			
Fan	Motor type	1	1	1	1
	Motor output	1	1	1	1
Refrigerant	Factory charge	12600	13600	13500	13500
	Pipe connections ³	7/4	7/4	7/4	7/4
Sound pressure level ²	Liquid pipe	mm	mm	mm	mm
	Gas pipe	mm	mm	mm	mm
Net dimensions (WxHxD)	Net weight	57	58	60	60
	Ambient temp. operation range	-15 to 55	-15 to 55	-15 to 55	-15 to 55

HP		16	18	20	22
Model name	Power supply	A380V/3/50C11901B-X	380V/3/50C11901B-X	380V/3/50C11901B-X	380V/3/50C11901B-X
	Cooling ¹	380-412/2/50	50.0	56.0	61.5
Connected indoor unit	Maximum quantity	1535	1535	1535	1535
	Type	26	29	33	36
Compressor	Quantity	DC Scroll Inverter			
	Oil type	1	1	1	1
Fan	Motor type	1	1	1	1
	Motor output	1	1	1	1
Refrigerant	Factory charge	15600	15600	16500	16500
	Pipe connections ³	8/4	8/4	10	10
Sound pressure level ²	Liquid pipe	mm	mm	mm	mm
	Gas pipe	mm	mm	mm	mm
Net dimensions (WxHxD)	Net weight	61	62	63	63
	Ambient temp. operation range	-15 to 55	-15 to 55	-15 to 55	-15 to 55

Notes:

1. Indoor air temperature: 27°C DB, 19°C WB, outdoor air temperature: 35°C DB, equivalent refrigerant piping length: 15mm with zero level difference.
2. Equivalent liquid piping lengths of 60m or longer please refer to Part 3 System Design and Installation for connection piping lengths of less than 90m. For systems with total piping lengths of 60m or longer, please refer to Part 3 System Design and Installation for connection piping lengths of less than 90m.
3. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

X Power (Cooling Only)

HP	58	60	62	64
Model name (Combination unit)	38V7058C11901S-X	38V7060C11901S-X	38V7062C11901S-X	38V7064C11901S-X
Power supply				
Cooling ¹	V/NHz kW kBr/h	V/NHz kW kBr/h	V/NHz kW kBr/h	V/NHz kW kBr/h
Connected indoor unit	Capacity Maximum quantity	Capacity Maximum quantity	Capacity Maximum quantity	Capacity Maximum quantity
Compressor	Type Quantity Oil type Start-up method Type Motor type DC	Type Quantity Oil type Start-up method Type Motor type DC	Type Quantity Oil type Start-up method Type Motor type DC	Type Quantity Oil type Start-up method Type Motor type DC
Fan	Quantity Motor output Airflow rate Drive type	Quantity Motor output Airflow rate Drive type	Quantity Motor output Airflow rate Drive type	Quantity Motor output Airflow rate Drive type
Refrigerant	Type Factory charge Liquid pipe Gas pipe	Type Factory charge Liquid pipe Gas pipe	Type Factory charge Liquid pipe Gas pipe	Type Factory charge Liquid pipe Gas pipe
Pipe connections ²	mm mm mm	mm mm mm	mm mm mm	mm mm mm
Sound pressure level ³	dB(A)	dB(A)	dB(A)	dB(A)
Net dimensions (WxDxH)	mm	mm	mm	mm
Net weight	kg	kg	kg	kg
Ambient temp. operation range	Cooling	Cooling	Cooling	Cooling

X Power (Cooling Only)

HP	74	76	78	80
Model name (Combination unit)	38V7074C11901S-X	38V7076C11901S-X	38V7078C11901S-X	38V7080C11901S-X
Power supply				
Cooling ¹	V/NHz kW kBr/h	V/NHz kW kBr/h	V/NHz kW kBr/h	V/NHz kW kBr/h
Connected indoor unit	Capacity Maximum quantity	Capacity Maximum quantity	Capacity Maximum quantity	Capacity Maximum quantity
Compressor	Type Quantity Oil type Start-up method Type Motor type DC	Type Quantity Oil type Start-up method Type Motor type DC	Type Quantity Oil type Start-up method Type Motor type DC	Type Quantity Oil type Start-up method Type Motor type DC
Fan	Quantity Motor output Airflow rate Drive type	Quantity Motor output Airflow rate Drive type	Quantity Motor output Airflow rate Drive type	Quantity Motor output Airflow rate Drive type
Refrigerant	Type Factory charge Liquid pipe Gas pipe	Type Factory charge Liquid pipe Gas pipe	Type Factory charge Liquid pipe Gas pipe	Type Factory charge Liquid pipe Gas pipe
Pipe connections ²	mm mm mm	mm mm mm	mm mm mm	mm mm mm
Sound pressure level ³	dB(A)	dB(A)	dB(A)	dB(A)
Net dimensions (WxDxH)	mm	mm	mm	mm
Net weight	kg	kg	kg	kg
Ambient temp. operation range	Cooling	Cooling	Cooling	Cooling

HP	66	68	70	72
Model name (Combination unit)	38V7066C11901S-X	38V7068C11901S-X	38V7070C11901S-X	38V7072C11901S-X
Power supply				
Cooling ¹	V/NHz kW kBr/h	V/NHz kW kBr/h	V/NHz kW kBr/h	V/NHz kW kBr/h
Connected indoor unit	Capacity Maximum quantity	Capacity Maximum quantity	Capacity Maximum quantity	Capacity Maximum quantity
Compressor	Type Quantity Oil type Start-up method Type Motor type DC	Type Quantity Oil type Start-up method Type Motor type DC	Type Quantity Oil type Start-up method Type Motor type DC	Type Quantity Oil type Start-up method Type Motor type DC
Fan	Quantity Motor output Airflow rate Drive type	Quantity Motor output Airflow rate Drive type	Quantity Motor output Airflow rate Drive type	Quantity Motor output Airflow rate Drive type
Refrigerant	Type Factory charge Liquid pipe Gas pipe	Type Factory charge Liquid pipe Gas pipe	Type Factory charge Liquid pipe Gas pipe	Type Factory charge Liquid pipe Gas pipe
Pipe connections ²	mm mm mm	mm mm mm	mm mm mm	mm mm mm
Sound pressure level ³	dB(A)	dB(A)	dB(A)	dB(A)
Net dimensions (WxDxH)	mm	mm	mm	mm
Net weight	kg	kg	kg	kg
Ambient temp. operation range	Cooling	Cooling	Cooling	Cooling

HP	83	84	86	88
Model name (Combination unit)	38V7083C11901S-X	38V7084C11901S-X	38V7086C11901S-X	38V7088C11901S-X
Power supply				
Cooling ¹	V/NHz kW kBr/h	V/NHz kW kBr/h	V/NHz kW kBr/h	V/NHz kW kBr/h
Connected indoor unit	Capacity Maximum quantity	Capacity Maximum quantity	Capacity Maximum quantity	Capacity Maximum quantity
Compressor	Type Quantity Oil type Start-up method Type Motor type DC	Type Quantity Oil type Start-up method Type Motor type DC	Type Quantity Oil type Start-up method Type Motor type DC	Type Quantity Oil type Start-up method Type Motor type DC
Fan	Quantity Motor output Airflow rate Drive type	Quantity Motor output Airflow rate Drive type	Quantity Motor output Airflow rate Drive type	Quantity Motor output Airflow rate Drive type
Refrigerant	Type Factory charge Liquid pipe Gas pipe	Type Factory charge Liquid pipe Gas pipe	Type Factory charge Liquid pipe Gas pipe	Type Factory charge Liquid pipe Gas pipe
Pipe connections ²	mm mm mm	mm mm mm	mm mm mm	mm mm mm
Sound pressure level ³	dB(A)	dB(A)	dB(A)	dB(A)
Net dimensions (WxDxH)	mm	mm	mm	mm
Net weight	kg	kg	kg	kg
Ambient temp. operation range	Cooling	Cooling	Cooling	Cooling

Notes:

1. Indoor air temperature: 27°C (DB, 80°F); outdoor air temperature: 35°C (DB, 95°F); indoor refrigerant piping length: 15m, with zero level difference.
2. Data are for those for the pipe connecting the outdoor condenser to the first indoor unit for a semi-hermetic compressor. For systems with total equivalent liquid piping lengths of 30m or longer, please refer to Part 3 System Design and installation for connection piping diameters.
3. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

1. Indoor air temperature: 27°C (DB, 80°F); outdoor air temperature: 35°C (DB, 95°F); indoor refrigerant piping length: 15m, with zero level difference.
2. Data are for those for the pipe connecting the outdoor condenser to the first indoor unit for a semi-hermetic compressor. For systems with total equivalent liquid piping lengths of 30m or longer, please refer to Part 3 System Design and installation for connection piping diameters.
3. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

X Power (Cooling Only)

HP	90	92	94	96
				
Model name (Combination unit)				
Power supply		38H290CT190 S.X		
Cooling	VN/Hz	38H292CT190 S.X		
	Capacity	253.0	258.5	265.0
Connected indoor unit	kW	862.7	881.5	903.7
	kBtu/h	64	64	64
Compressor	Maximum quantity	DC scroll Inverter		
	Type	5	6	6
Start-up method	Oil type	FW6H		
	Type	Soft start		
Motor type	Propeller	DC		
	Type	6		
Fan	Motor output	(0.56+0.56)×3		
	Airflow rate	65500	66000	66000
Refrigerant	Drive type	Direct		
	Type	R410A		
Pipe connections	Factory charge	12.8+15.6×2	15.6×3	15.6×3
	Liquid pipe	Ø25.4	Ø25.4	Ø25.4
Sound pressure level	Gas pipe	Ø50.8	Ø50.8	Ø50.8
	dB(A)	69	69	69
Net weight	Net dimensions (W×H×D)	(1340×760×825)×3		
	kg	260+325×2	325×3	325×3
Ambient temp. operation range	Cooling	-15 to 55	-15 to 55	-15 to 55
	°C	-15 to 55	-15 to 55	-15 to 55

Notes:
 1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.9m with zero level difference.
 2. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.
 3. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

3rd Generation VRF
INDOOR UNITS

Indoor Unit

Compact Four-way Cassette
Four-way Cassette
Two-way Cassette
One-way Cassette
Slim Duct
Medium Static Pressure Duct
High Static Pressure Duct
Wall Mounted
Floor Standing
Ceiling & Floor
Heat Recovery Ventilator
Fresh Air Unit
AHU kit

Indoor Unit Lineup

■ Compact Four-way Cassette



- Capacity: 0.4 TR to 1.8 TR
- 575mm compact body size
- 360° airflow
- Individual louver control
- 3.5m high ceiling installation
- Built-in 1200mm high-lift drain pump



■ Four-way Cassette



- Capacity: 0.8 TR to 5 TR
- 360° airflow, uniform air flow and temperature distribution
- Individual louver control
- Built-in 1200mm high-lift drain pump



■ Two-way Cassette



- Capacity: 0.6 TR - 2 TR
- Automatic anti-condensation
- Multiple Steps Vertical Swing
- Built-in 1200mm high-lift drain pump(Digital feedback DC water pump)



■ One-way Cassette



- Capacity: 0.6 TR - 2 TR
- Automatic anti-condensation
- Multiple Steps Vertical Swing
- Built-in 1200mm high-lift drain pump(Digital feedback DC water pump)



■ Slim Duct



- Capacity: 0.6 TR - 3.1 TR
- 199mm ultra-thin height (all models)
- C-shaped coil
- Static pressure adaption, constant air volume supply
- Built-in 1200mm high-lift drain pump
- Optional medium efficiency filter
- Optional plasma sterilization module



■ Medium Static Pressure Duct (Ceiling/floor mounted)



- Capacity: 0.6 TR - 4.5 TR
- ESP up to 160Pa (all models)
- 745mm ultra-thin height (all models)
- Static pressure adaption, constant air volume supply
- Built-in 1200mm high-lift drain pump
- Optional HEPA filter with H12 rating
- Optional medium to high efficiency filter
- Optional plasma sterilization module



■ High Static Pressure Duct



- Capacity: 1.6 TR - 16 TR
- 56kW-16kW ESP up to 250Pa
- 20kW-56kW ESP up to 400Pa
- 299mm ultra-thin height (56kW-16kW)
- Static pressure adaption, constant air volume supply
- Built-in 12mm high-lift drain pump
- Optional HEPA filter with H13 rating
- Optional medium to high efficiency filter



■ Wall Mounted



- Capacity: 0.6 TR - 2.2 TR
- Supports installation close to the ceiling to free up space
- Bi-directional Coanda airflow, enhanced comfort
- Quiet operation
- Optional built-in 1200mm high-lift drain pump
- Optional plasma sterilization module



■ Floor Standing



- Capacity: 0.6 TR - 2.2 TR
- ESP up to 60Pa
- Three appearance options to meet different installation requirement
- DC fan creates a more quiet and comfortable environment
- 0.5°C/1°C Setting Temperature Adjustment



■ Ceiling&Floor



- Capacity: 1 TR - 4 TR
- A sleek design suits installation either on the ceiling or floor
- DC fan motor creates a more quiet and comfortable environment
- Optional 600mm high-lift drain pump



■ TFA



- Capacity: 2.5 TR - 16 TR
- Combines fresh air filtration with heating/cooling in single system
- Supports extensive duct and grille networks with up to 400Pa external static pressure
- Offers 20-step static pressure control (latest wired controllers required)
- Optional independent water pump box available



■ HRV



- Capacity: 200-2000m³/hr
- Multiple operation modes: Auto, Bypass, Heat recovery, Free cooling mode.
- Optional CO₂ Sensor
- Optional Multi-functional Expansion Board



Indoor Unit Lineup

3rd Generation Carrier VRF Indoor Units

Indoor Type	Picture	Indoor Units				
		1-Way Cassette	2-Way Cassette	Compact 4-Way	4-Way Cassette	Slim Duct
Capacity	    	-	-	-	-	-
		-	-	●	-	●
		-	-	-	-	-
		●	●	●	-	●
		●	●	●	●	●
		●	●	●	●	●
		●	●	●	●	●
		●	●	●	●	●
		-	-	●	●	-
		●	●	-	●	●
		-	-	-	●	●
		-	-	-	●	●
		-	-	-	●	●
		-	-	-	●	●
		-	-	-	●	●
		-	-	-	●	●
Capacity	    	-	-	-	-	-
		-	-	-	-	-
		-	-	-	-	-
		-	-	-	-	-
		-	-	-	-	-
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		-	-	-	-	-

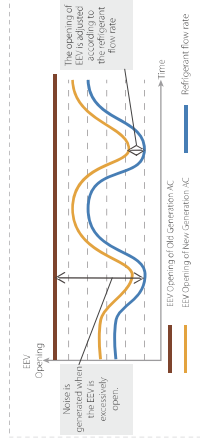
3rd Generation Carrier VRF Indoor Units

Indoor Type	Picture	Indoor Units				
		MSP Duct (Ceiling/Recessed)	HSP Duct	Hi-Wall	Ceiling & Console	Front/Bottom Return Floor Standing
Capacity	      	-	-	-	-	-
		●	-	-	-	-
		-	-	-	-	-
		●	-	●	-	●
		●	-	●	-	●
		●	-	●	●	●
		●	-	●	●	●
		●	●	●	●	●
		-	-	-	-	-
		●	●	●	●	●
		●	●	●	●	●
		●	●	●	●	●
		-	-	-	-	-
		●	●	●	●	●
		-	-	-	-	-
		●	●	●	●	●
Capacity	      	-	-	-	-	-
		●	●	●	●	●
		●	●	●	●	●
		●	●	●	●	●
		-	-	-	-	-
		●	●	●	●	●
		-	-	-	-	-
		●	●	●	●	●
		-	-	-	-	-
		●	●	●	●	●
		-	-	-	-	-
		●	●	●	●	●
		-	-	-	-	-
		●	●	●	●	●
		-	-	-	-	-
		●	●	●	●	●

COMFORT

EEV automatic adjustment

When in heating standby mode, the indoor unit automatically adjusts the EEV opening according to the load to eliminate noise of refrigerant flowing.



Human Detect Sensor*

Using millimeter-wave radar sensor controller automatically turns indoor units on or off upon detecting that the room is occupied or unoccupied, ensuring climate control whilst minimizing energy consumption.



The indoor unit automatically runs when detecting human body

The indoor unit automatically stops when detecting absence

*This function is available as a customization option for Compact Four Way Cassette.

AIR FLOW

360° Airflow

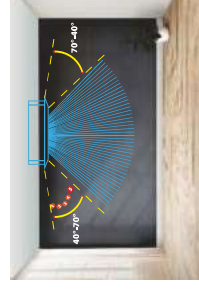
New design, round airflow path ensures uniform airflow and temperature distribution.



The continuous air supply port air supply area increases by 20%

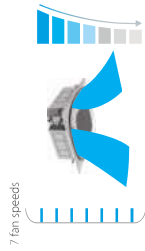
Multiple Steps Vertical Swing

The Compact Four-way Cassette unit has a wide range of airflow angles from 40° to 70° and is equipped with a 5-step louver control and auto swing mode to better meet the needs of different customers



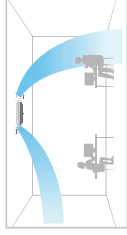
7 Fan Speeds

7 indoor fan speed options to meet the needs of different indoor conditions.



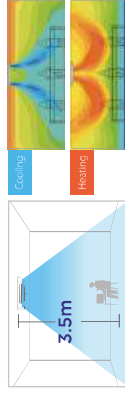
Individual Louver Control

The individual louver control can control the motors separately, making it possible to control all four louvers independently.



Long Distance Air Delivery

The Compact Four-way Cassette has an for long airflow delivery and is capable of being used in spaces up to 3.5m in floor height.



Soft Wind Mode

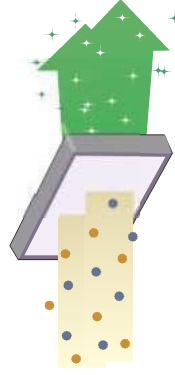
Supplies air against the ceiling to create windless environment.



HEALTH

Optional F6-class Air Filter

The Compact Four-way Cassette supports 30Pa external static pressure for the F6-class filter installation. Filtering effect of the F6-class filter reaches up to 80% against particles (particle size > 1µm), creating a cleaner living environment.



Mildew proof of heat exchanger

When the indoor unit is turned off in cooling mode, the fan is still on, and dry the heat exchanger to avoid mold on the heat exchanger.



Silver Ions drain pan (optional)

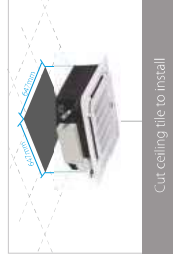
Slow-released nano-silver ions can keep the drain pan free of mold for a long time.



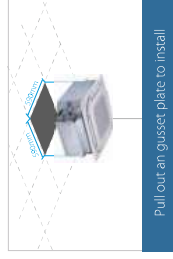
EASY INSTALLATION

Compact and stylish design

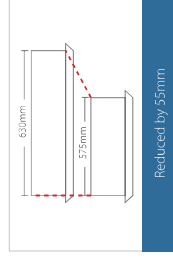
New Compact Four-way Cassette panel size is fit into the ceiling tile (620mm × 620mm), making installation easier.



Cut ceiling tile to install



Pull out an gusset plate to install



Reduced by 55mm

High-lift drain pump

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.



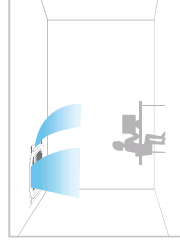
Water level switch

When the drain pipe is blocked or the drain pipe is poor, the water level switch is turned off, and there is no need to worry about overflowing the ceiling.

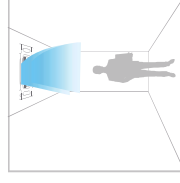


Air baffle fittings for irregular rooms

Some air discharge ports can be blocked with air baffle to optimize air distribution in irregular shaped rooms. Air outlets can be blocked with accessories, which can be found in the packing material.



At the corner

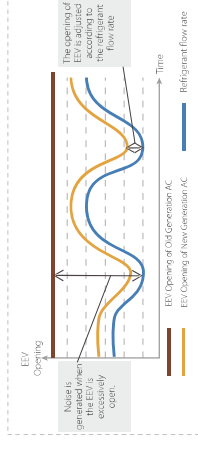


In the narrow room

COMFORT

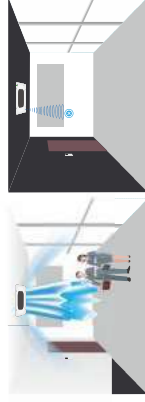
EEV automatic adjustment

When in heating standby mode, the indoor unit automatically adjusts the EEV opening according to the load to eliminate noise of refrigerant flowing.



Human Detect Sensor*

Using millimeter-wave radar sensor controller automatically turns indoor units on or off upon detecting that the room is occupied or unoccupied, ensuring climate control whilst minimizing energy consumption.



*This function is available as a customization option for Super Y Four Way Cassette.

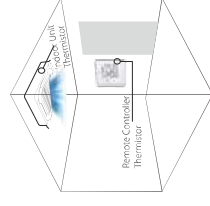


Four-way Cassette



Two thermistors control

The indoor temperature can be checked using the thermistor in the remote controller as well as from the indoor unit



Auto Cooling-heating Changeover

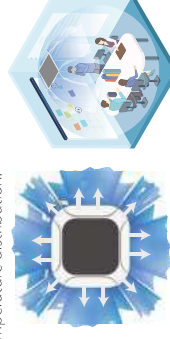
Automatically selects cooling or heating mode to achieve the set temperature.



AIR FLOW

360° Airflow

New design, round airflow path ensures uniform airflow and temperature distribution.



The continuous air supply port air supply area increases by 20%

7 Fan Speeds

7 indoor fan speed options to meet the needs of different indoor conditions.



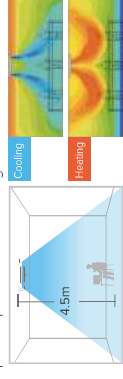
Multiple Steps Vertical Swing

The Four-way Cassette unit has a wide range of airflow angles from 30° to 65° and is equipped with a 5-step louver control and auto swing mode to better meet the needs of different customers



Long Distance Air Delivery*

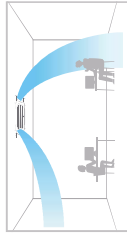
The Four-way Cassette has an additional 50Pa static pressure for long airflow delivery and is capable of being used in spaces up to 4.5m in floor height.



*This function is available as a customization option.

Individual Louver Control

The individual louver control can control the motors separately, making it possible to control all four louvers independently.



Soft Wind Mode

Supplies air against the ceiling to create windless environment.



HEALTH

Mildew proof of heat exchanger

When the indoor unit is turned off in cooling mode, the fan is still on, and dry the heat exchanger to avoid mold on the heat exchanger.



Silver Ions drain pan (optional)

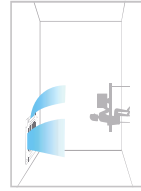
Slow-released nano-silver ions can keep the drain pan free of mold for a long time.



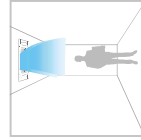
EASY INSTALLATION

Air baffle fittings for irregular rooms

Some air discharge ports can be blocked with air baffle to optimize air distribution in irregular shaped rooms. Air outlets can be blocked with accessories, which can be found in the packing material.



At the corner



In the narrow room

High-lift drain pump

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.



Water level switch

When the drain pipe is blocked or the drain pipe is poor, the water level switch is turned off, and there is no need to worry about overflowing the ceiling.



High-lift
drain pump



Quiet
operation



Free
drainage

Two-way Cassette



COMFORT

Digital Display On/Off

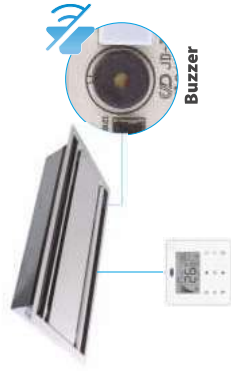
Indoor unit displays can be shut off at night, creating a better environment for rest.



Digital display

Buzzer Sound On/Off

Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



Buzzer

Quiet Operation

The fan motor and water pump are DC power supply, which is more energy-saving and silent than AC power supply, creating a more quiet and comfortable environment.



Fan Motor



Drain pump

HEALTH

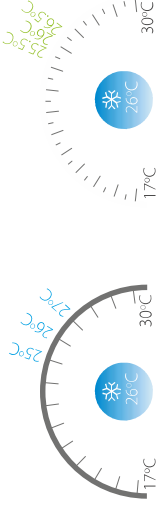
Automatic anti-condensation

The Two-way Cassette can automatically enter and exit the anti-condensation mode by detecting its own operation data. In the anti-condensation mode, the machine can change the outlet angle of the guide vane intermittently to prevent the local temperature difference of the guide panel from being too large and avoid the occurrence of condensation.



0.5°C/1°C Setting Temperature Adjustment

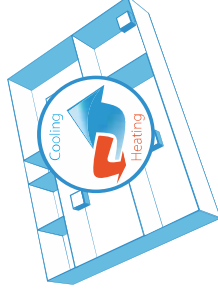
Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



WIDER APPLICATION

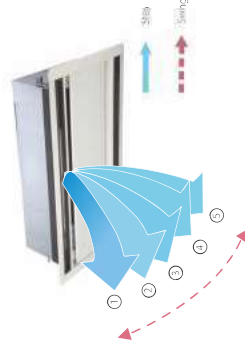
Auto Cooling-heating Changeover

Automatically selects cooling or heating mode to achieve the set temperature.



Multiple Steps Vertical Swing

There are 5-steps louver control makes the air flow direction more precisely. In addition, the auto swing mode can better meet different customer needs. Air supply angle 35-65°.



Digital feedback DC water pump

Digital feedback DC water pump: actively sense the pump speed and water flow to determine whether there is jamming attenuation or damage, and give early warning to avoid water leakage.



High-lift drain pump

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.



Buzzer Sound On/Off

Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



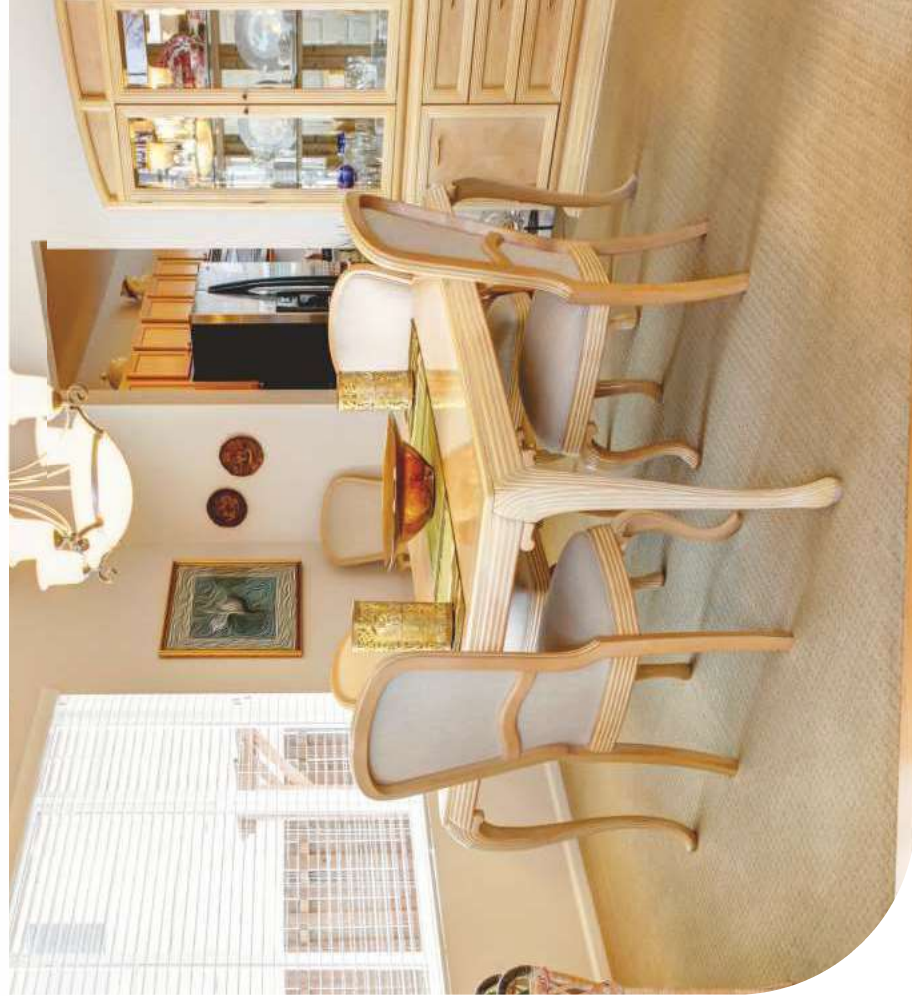
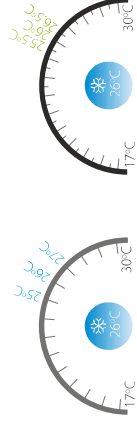
By optimizing the design of fan motor, air duct and heat exchanger, the new duct operates with noise as low as 22dB(A), creating a quieter and more comfortable environment



The One-way Cassette can automatically enter and exit the anti-condensation mode by detecting its own operation data; In the anti-condensation mode, the machine can change the outlet angle of the guide vane intermittently to prevent the local temperature difference of the guide panel from being too large and avoid the occurrence of condensation.



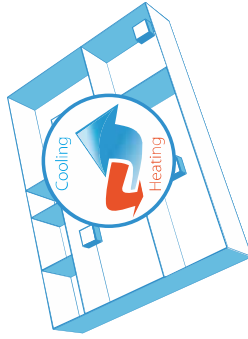
Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



WIDER APPLICATION

Auto Cooling-heating Changeover

Automatically selects cooling or heating mode to achieve the set temperature.



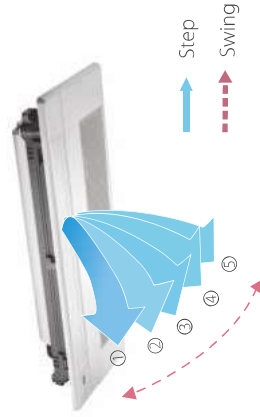
Digital feedback DC water pump

Digital feedback DC water pump actively sense the pump speed and water flow to determine whether there is jamming attenuation or damage, and give early warning to avoid water leakage.



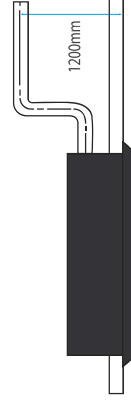
Multiple Steps Vertical Swing

There are 5-steps louver control makes the air flow direction more precisely. In addition, the auto swing mode can better meet different customer needs. Air supply angle 25-80°.



High-lift drain pump

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.



Ultra-thin height



Quiet operation



Healthy air supply



Constant air volume



Slim Duct



COMFORT

Quiet Operation

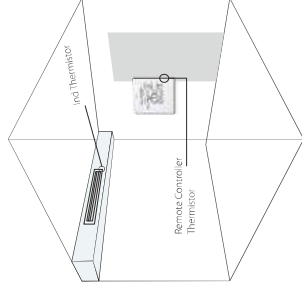
By optimizing the design of fan motor, air duct and heat exchanger, the new duct operates with noise as low as 22dB(A), creating a quieter and more comfortable environment.



- Fan motor noise reduction
- Air duct noise reduction
- Heat exchanger noise reduction

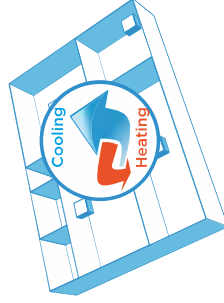
Two thermistors control

The indoor temperature can be checked using the thermistor in the remote controller as well as from the indoor unit



Auto Cooling-heating Changeover

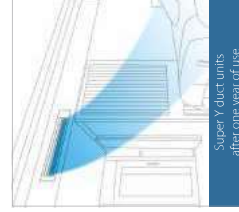
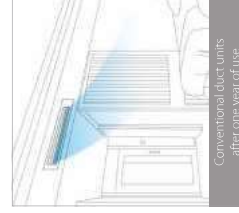
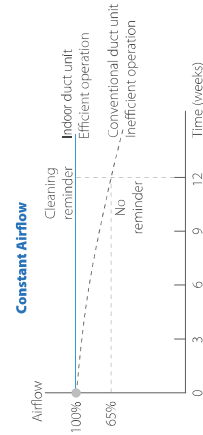
Automatically selects cooling or heating mode to achieve the set temperature.



AIR FLOW

Constant Airflow

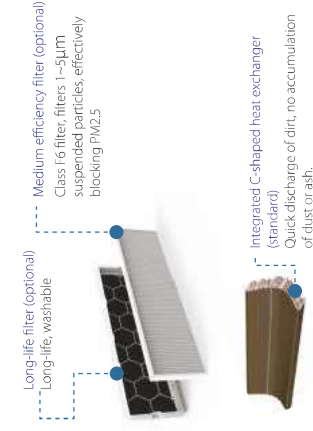
Constant airflow technology can realize the airflow output is not affected by installation conditions and use conditions, ensuring the constant airflow supply.



HEALTH

Healthy Air Supply

The Slim Duct unit adopts an integrated C-shaped heat exchanger that allows for fast drainage and no dust or ash accumulation. The optional long-life filter, medium-life filter and plasma sterilization module further enhance the air quality of the air supply and create a healthy environment.



Silver ions drain pan (optional)

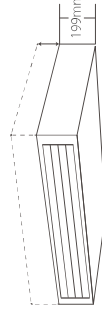
Slow-released nano-silver ions can keep the drain pan free of mold for a long time.



EASY INSTALLATION

Ultra-thin Body

Ultra-thin body design, the body height of the whole series is only 199mm, greatly saving space and more flexible installation.



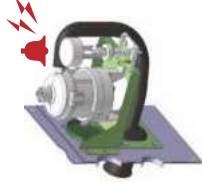
High-lift drain pump

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.



Fault Feedback

Early warning of drain pump fault.





Compact design



Healthy air supply



Constant air volume



Flexible installation



Medium Static Pressure Duct



COMFORT

Quiet Operation

By optimizing the design of fan motor, air duct and heat exchanger, the new duct operates with noise as low as 22dB(A), creating a quieter and more comfortable environment.

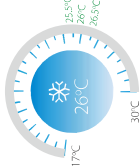
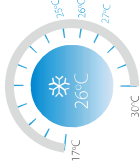


22dB(A)



0.5°C/1°C Setting Temperature Adjustment

Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



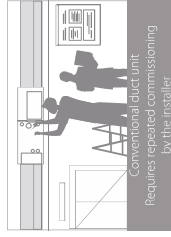
Auto Cooling-heating Changeover

Automatically selects cooling or heating mode to achieve the set temperature.

AIR FLOW

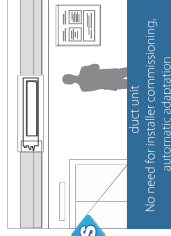
Adaptive Duct Length and Filter Resistance

By digital fan motor and a specially designed independent drive chip enables precise control and output on demand. It can automatically adapt to duct lengths from 10 to 160 Pa equivalent static pressure without intervention from the installer.



Conventional duct unit
Require repeated commissioning
by the installer

VS

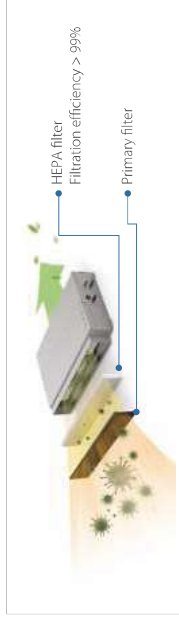


duct unit
No need for installer commissioning,
automatic adaptation

HEALTH

Optional High Efficiency HEPA Filter*

A static pressure of up to 160 Pa enables the application of medical-grade HEPA filters, and even small capacity models can be equipped with high-efficiency filters, efficiently filtering fine particles of 0.5 microns with an efficiency of over 99%.



* This function is available as a customization option.

EASY INSTALLATION

Thin Body with High ESP

All models have a static pressure of 160 Pa and a thickness of only 245 mm. The high static pressure allows air to be delivered over longer distances without loss of cooling and heating effect. Especially suitable for long and narrow spaces.



3 Way flexible installation

It is possible to install and connect the outdoor unit in 3 different ways for Duct, providing flexibility to accommodate a wide range of room designs.



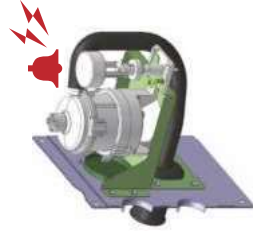
High-lift drain pump

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.



Fault Feedback

Early warning of drain pump fault.



Compact design



Healthy air supply



Constant air volume



Flexible installation

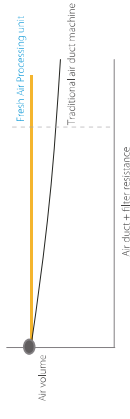
High Static Pressure Duct



AIR FLOW

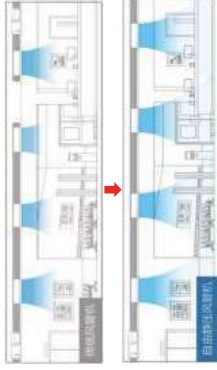
Constant Airflow Technology

Through the independent constant air volume digital fan technology, the air volume is independently detected and adjusted to realize constant air volume and no attenuation in the whole life.



Ultra-high static pressure

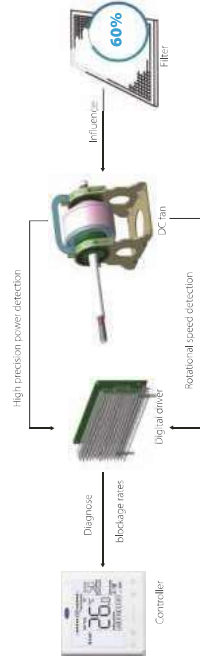
The static pressure can reach 250Pa (5.6-16kW) or 400Pa (20-56kW), so the air supply distance is longer. Especially in long and narrow spaces such as corridors, it can reduce the number of units used and save investment costs.



HEALTH

Visualization of dirty blockage rate

Built-in self-learning model can detect the real-time resistance of the filter screen and restore the true state of the filter screen. 10 levels blockage rates can be accurately identified and displayed on the controller, reminding the user to clean the filter in time.



Innovative Puro-air Kit

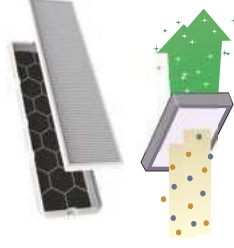
Protectors of health and safety

Efficiency filter screen

Optional F7 or H13-class air filter. Equipped with H13 HEPA high-efficiency filter screen, it can filter 0.5 micron extremely fine particles, and the primary filtration efficiency is more than 99.95%.



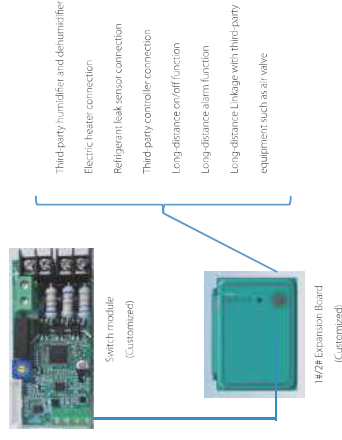
*The indoor unit needs to be customized in order to use the Puro-air Kit.



WIDER APPLICATION

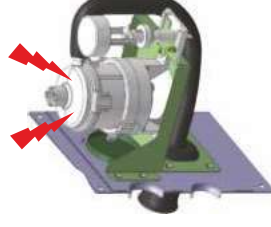
Multi-functional Expansion Board

A wide range of accessories can be connected via Switch module and expansion board for even more functionality.



Intelligent leak feedback

Digital feedback DC water pump. Take the initiative to sense the pump speed and water flow, judge whether there is jamming attenuation or damage, and give early warning to avoid water leakage. Integrated drainage pipe design reduces the sealing points of traditional design from 6 to 2, reduces breakpoints and reduces leakage risks.



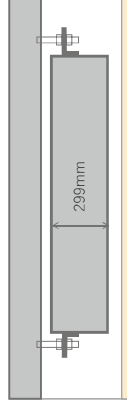
High-lift drain pump

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.



Ultra-thin fuselage

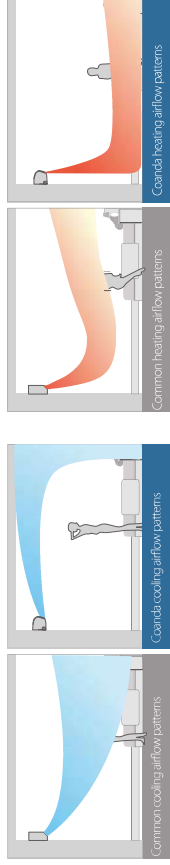
For High static pressure duct (5.6-16kW) the fuselage thickness is only 299mm, the height required for ceiling installation is greatly reduced which leads to be able to cope with more installation situations.



A modern interior scene featuring a light-colored sofa with a patterned throw pillow, a round black metal side table with a marble top, and a wooden chair with a blue cushion in the background.

Bi-directional Airflow

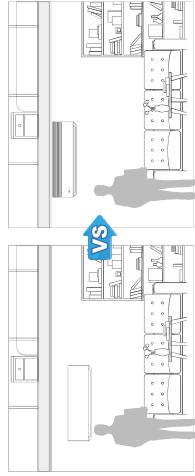
With bi-directional airflow delivery technology, the cold air does not blow directly on people and the hot air warms up evenly from the feet for better comfort.



EASY INSTALLATION

Ceiling Mounting

The Wall Mounted new heat exchanger is designed to meet the installation requirements close to the ceiling, and the minimum distance from the ceiling is 3cm.

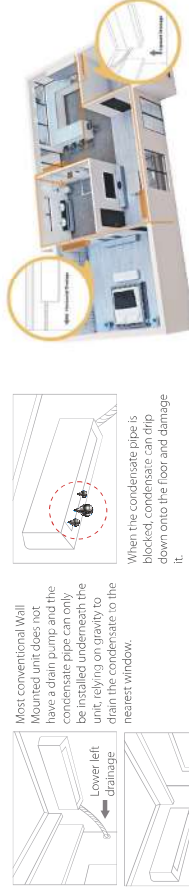


There is some distance from ceiling

The distance from the ceiling is 3cm

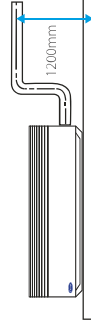
Free Drainage without Space Restrictions

The Wall Mounted can realize horizontal drainage, downward drainage, upward drainage, making installation more flexible.



High-lift drain pump*

A drain pump with a 1200mm raise height is fitted as standard, simplifying installation of the drain piping.



*The drain pump is available as a customization option.

*Horizontal Swing function is available as a customization option for Wall Mounted.

Fault Feedback

Early warning of drain pump fault.



Ceiling&Floor



Feature

Two Installation Options

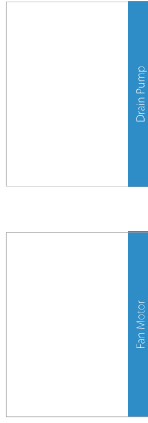
A sleek design suits installation either on the ceiling or floor, providing flexibility to accommodate a wide range of room designs.



The unit can be installed either horizontally on the ceiling or vertically against the wall.

Quiet Operation

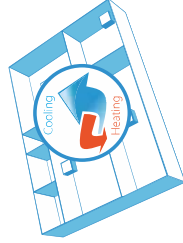
The fan motor and water pump* are DC power supply, which is more energy-saving and silent than AC power supply, creating a more quiet and comfortable environment



*Drain Pump is available as a customization option for unit

Auto Cooling-heating Changeover

Automatically selects cooling or heating mode to achieve the set temperature.



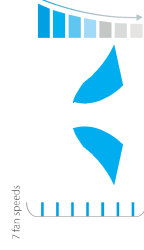
Digital feedback DC water pump*

Digital feedback DC water pump: actively sense the pump speed and water flow to determine whether there is jamming attenuation or damage, and give early warning to avoid water leakage.

*Optional accessory

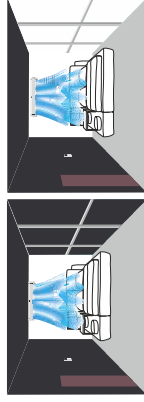
Multiple Steps Vertical Swing

There are 5-steps louver control makes the air flow direction more precisely. In addition, the auto swing mode can better meet different customer needs. Air supply angle 35-65°.



Human Detect Sensor*

Using millimeter-wave radar sensor controller automatically turns indoor units on or off upon detecting that the room is occupied or unoccupied, ensuring climate control whilst minimizing energy consumption.

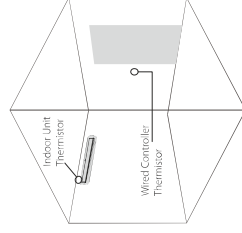


The indoor unit automatically runs when detecting human body

*This function is available as a customization option for unit.

Two thermistors control

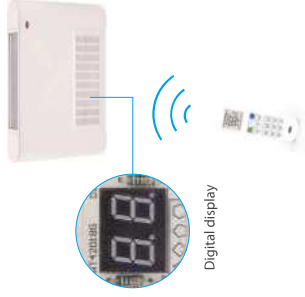
The indoor temperature can be checked using the thermistor in the wired controller as well as from the indoor unit



COMFORT

Digital Display On/Off

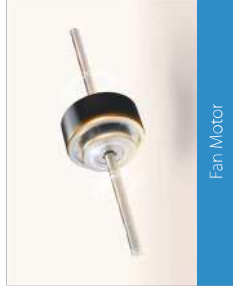
Indoor unit displays can be shut off at night, creating a better environment for rest.



Digital display

Quiet Operation

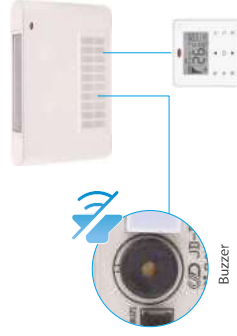
The fan motor is DC power supply, which is more energy-saving and silent than AC power supply, creating a more quiet and comfortable environment.



Fan Motor

Buzzer Sound On/Off

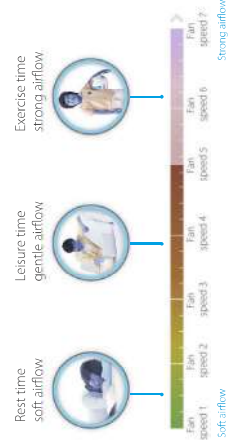
Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



Buzzer

Multiple Fan Speeds

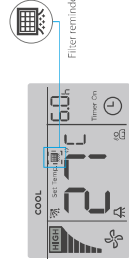
7 indoor fan speeds provide control flexibility to meet the needs of different indoor conditions.



HEALTH

Dirty Filters Indicator Signal

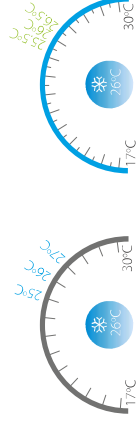
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



Filter reminder

0.5°C/1°C Setting Temperature Adjustment

Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



Digital Display On/Off

Indoor unit displays can be shut off at night, creating a better environment for rest.

WIDER APPLICATION

Multi-functional Expansion Board

A wide range of accessories can be connected via Switch module and Expansion Board for even more functionality.

Switch module (Customized)



1#/2# Expansion Board (Customized)

- Third-party humidifier and dehumidifier
- Electric heater connection
- Refrigerant leak sensor connection
- Third-party controller connection
- Long-distance on/off function
- Long-distance alarm function
- Long-distance linkage with third-party equipment such as air valve



Heat Recovery Ventilator



Feature

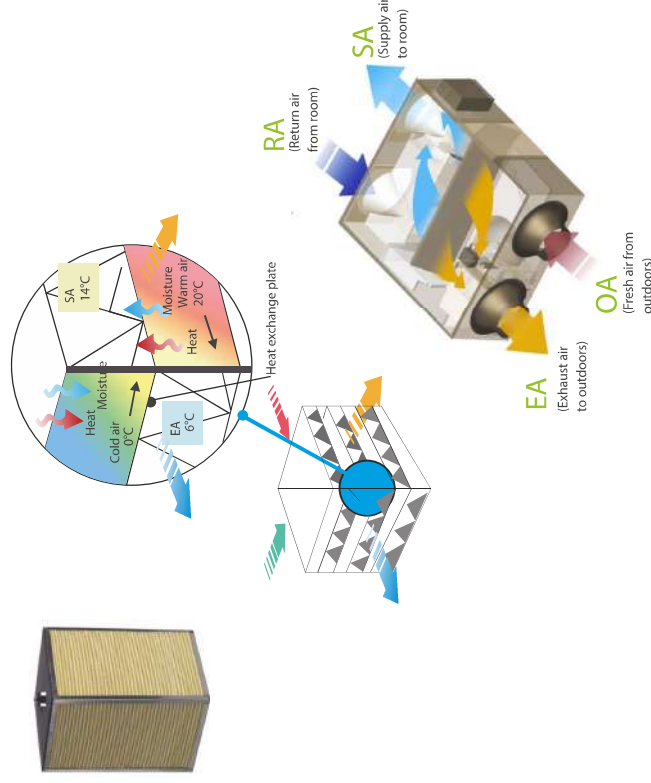
Wide Capacity Range

The airflow is from 200m³/h to 2000m³/h which can meet the requirements of most scenarios.



Energy Saving, Heat Recovery for Both Heat and Humidity

The heat recovery ventilator (HRV) can greatly reduce energy loss and room temperature fluctuations caused by the ventilation process. The Midea HRV's strong performance is a result of the advanced technology incorporated into its design. The heat exchanger core is made of specially filter material which gives enhanced temperature and humidity control. It prevents energy being wasted by recovering waste heat from the outgoing air, thus offering much greater levels of efficiency, while improving comfort levels too.

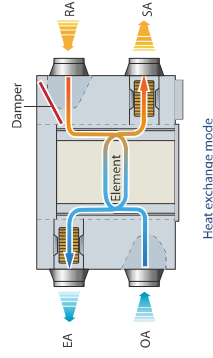


Multiple Operation Modes

Multiple operation modes: Auto, Bypass, Heat recovery, Free cooling mode.

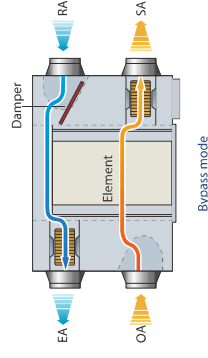
Heat exchange mode

The flows of incoming and outgoing air pass close to each other, allowing heat transfer between the two channels. During summer, incoming air is cooled by the indoor air being exhausted and in winter, incoming air is warmed.



Bypass mode

In mild climates or seasons, where temperature and humidity differences between indoors and outdoors are small, the HRV can work as a conventional ventilation fan. In standard bypass mode the supply and exhaust fans run at the same speed.

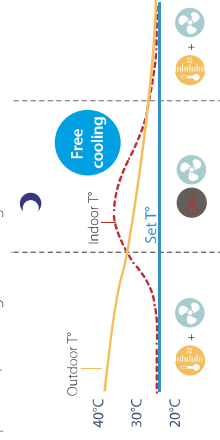


Auto mode

The controller chooses heat exchange mode or bypass mode according to the temperature difference between outdoors and indoors. Both fans are set to run at low speed.

Free Cooling Mode*

Free cooling mode is only available for DC Series HRV. Free cooling operation is an energy saving function operating when outdoor ambient temperature is below indoor ambient temperature, it uses low temperature fresh air to cool down indoor temperature, reducing the running costs.



*The function is only enabled when connected to the centralised control

High Efficiency Filter

Standard Built-in G4-class dust filter, optional F7-class filter for air supply side and M5-class filter for exhaust air side in line with EU legislations can be customized.



Easy Installation

Slim and compact design of units, making the installation more convenient.



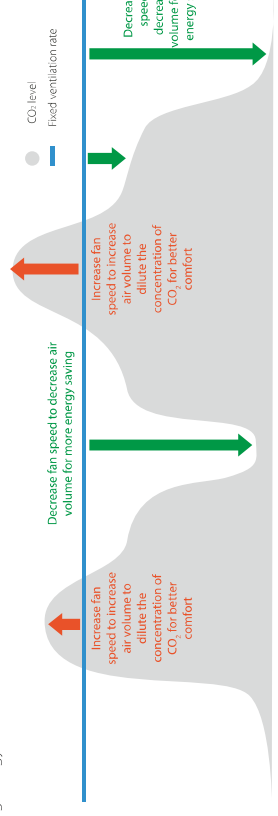
Wide Range of Controllers.

The HRV has its special wired controller. It also can be centralized control with VRF system through centralized controller and network control with VRF system through Midea gateways.



CO₂ Sensor Option

Enough fresh air is needed to create an enjoyable environment, but ventilating constantly is leading to energy waste. Therefore, an optional CO₂ sensor can be installed which switches off the ventilation system when there is enough fresh air in the room, thus saving energy.





Specifications

Compact Four-way Cassette

Four-way Cassette

Two-way Cassette

One-way Cassette

Slim Duct

Medium Static Pressure Duct

High Static Pressure Duct

Wall Mounted

Floor Standing

Ceiling & Floor

Heat Recovery ventilator

Fresh Air Unit

AHU kit

Specifications

Compact Four-way Cassette

Model		40VX009H11500018	40VX007H11500018	40VX009H11500018	40VX012H11500018
Power supply		1-phase, 220-240V, 50			
Cooling ¹	Capacity	kW	2.2	2.8	3.6
		kBtu/h	7.5	9.6	12.3
Heating ²	Capacity	kW	2.4	3.2	4.0
		kBtu/h	8.2	10.9	13.7
Air flow rate ³		m ³ /h	430/425/400/370/345/320/295	510/480/455/425/395/370/340	530/500/470/440/405/375/345
Sound pressure level ⁴		dB(A)	29/28/27/27/26/26/25	30/29/28/27/26/26/25	31/30/29/28/27/26/25.5
Main body	Net dimensions ⁵ (W×H×D)	mm	575×235×638		
	Picked dimensions (W×H×D)	mm	690×285×690		
	Net/Gross weight	kg	13.0/15.5		14.0/16.5
Panel	Net dimensions (W×H×D)	mm	620×65×620		
	Picked dimensions (W×H×D)	mm	680×80×665		
	Net/Gross weight	kg	2.3/3.0		
	Refrigerant type		R410A		
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7		
	Drain pipe	mm	Ø1/2"25		

Specifications

Four-way Cassette

Model		40VX009H11500018U	40VX020H11500018U
Power supply		1-phase, 220-240V, 50	
Cooling ¹	Capacity	kW	2.8
		kBtu/h	9.6
Heating ²	Capacity	kW	3.2
		kBtu/h	10.9
Air flow rate ³		m ³ /h	750/740/691/661/591/542/492
Sound pressure level ⁴		dB(A)	30/29/28/27/26/27/26/25
Main body	Net dimensions ⁵ (W×H×D)	mm	840×204×840
	Picked dimensions (W×H×D)	mm	940×250×940
	Net/Gross weight	kg	18/20.5
Panel	Net dimensions (W×H×D)	mm	950×55×950
	Picked dimensions (W×H×D)	mm	1020×95×1035
	Net/Gross weight	kg	5.6/7.3
	Refrigerant type		R410A
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7
	Drain pipe	mm	Ø1/2"25

Model		40VX016H11500018	40VX020H11500018	40VX022H11500018
Power supply		1-phase, 220-240V, 50		
Cooling ¹	Capacity	kW	4.5	5.6
		kBtu/h	15.4	19.1
Heating ²	Capacity	kW	5.0	6.3
		kBtu/h	17.1	21.5
Air flow rate ³		m ³ /h	640/605/570/530/495/460/425	810/765/720/670/625/580/535
Sound pressure level ⁴		dB(A)	36.5/35/33.9/31/29/28/26.5	39/38/37/36/35/34/32
Main body	Net dimensions ⁵ (W×H×D)	mm	575×235×638	
	Picked dimensions (W×H×D)	mm	690×285×690	
	Net/Gross weight	kg	14.0/16.5	15.0/17.5
Panel	Net dimensions (W×H×D)	mm	620×65×620	
	Picked dimensions (W×H×D)	mm	680×80×665	
	Net/Gross weight	kg	2.3/3.0	
	Refrigerant type		R410A	
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø9.52/Ø15.9
	Drain pipe	mm	Ø1/2"25	

Model		40VX016H11500018U	40VX020H11500018U	40VX024H11500018U
Power supply		1-phase, 220-240V, 50		
Cooling ¹	Capacity	kW	4.5	5.6
		kBtu/h	15.4	19.1
Heating ²	Capacity	kW	5.0	6.3
		kBtu/h	17.1	21.5
Air flow rate ³		m ³ /h	840/787/733/680/626/573/519	840/791/741/692/642/593/543
Sound pressure level ⁴		dB(A)	37/35/34/32/30/29/27	33/32/31/30/29/28/27
Main body	Net dimensions ⁵ (W×H×D)	mm	840×204×840	840×204×840
	Picked dimensions (W×H×D)	mm	940×250×940	940×250×940
	Net/Gross weight	kg	18/20.5	19.5/22
Panel	Net dimensions (W×H×D)	mm	950×55×950	950×55×950
	Picked dimensions (W×H×D)	mm	1035×95×1035	1035×95×1035
	Net/Gross weight	kg	5.6/7.3	5.6/7.3
	Refrigerant type		R410A	
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø9.52/Ø15.9
	Drain pipe	mm	Ø1/2"25	

- Notes:
1. Indoor temperature 27°C DB, 19°C WB, outdoor temperature 35°C DB, equivalent refrigerant piping length 7.5m with zero level difference.
 2. Indoor temperature 20°C DB, outdoor temperature 7°C DB, 6°C WB, equivalent refrigerant piping length 7.5m with zero level difference.
 3. Each model's 7 air flow rate options are listed in order from highest to lowest.
 4. Sound pressure levels are given at 1m from the unit and correspond to the models' 7 air flow rate options (see Note 3).
 5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
 6. The specifications, designs and information in this brochure are subject to change without notice.

Specifications

Four-way Cassette

Model	40VKG28H11500018(I)		40VK0334H11500018(I)		40VKG34H11500018(I)
Power supply					
Cooling ¹	Capacity	kW	8.0	9.0	10.0
		kBtu/h	27.3	30.7	34.1
Heating ²	Capacity	kW	5.0	10.0	11.2
		kBtu/h	30.7	34.1	38.2
Air flow rate ³		m ³ /h	1100/1019/939/858/777/697/616	1330/1239/1148/1057/965/874/783	1470/1360/1250/1141/1031/921/811
Sound pressure level ⁴		dB(A)	42.5/40/38/36/34/32/30	38.2/37.5/34.32/31/29	43.4/41/40/38/36/33/33
Main body	Net dimensions ⁵ (W×H×D)	mm	840×204×840	940×240×840	940×246×840
	Packed dimensions (W×H×D)	mm	940×250×940	940×295×940	940×295×940
	Net/Gross weight	kg	19.5/22	21.5/24	21.5/24
Panel	Net dimensions (W×H×D)	mm	950×55×950	950×55×950	950×55×950
	Packed dimensions (W×H×D)	mm	1035×95×1035	1035×95×1035	1035×95×1035
	Net/Gross weight	kg	5.6/7.3	5.6/7.3	5.6/7.3
Refrigerant type			R410A		
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø15.9		Ø9.52/Ø15.9
Drain pipe	Drain pipe	mm			Ø0.005

Specifications

Two-way Cassette

Model name	40VTD07H11500018		40VTD09H11500018		40VTD12H11500018		40VTD16H11500018		40VTD24H11500018		40VTD34H11500018	
Power supply	1-phase, 220-240V, 50											
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1				
		kBtu/h	7.5	9.6	12.3	15.4	19.1	24.2				
Heating ²	Capacity	kW	2.6	3.2	4	5	6.3	8				
		kBtu/h	8.9	10.9	13.6	17.1	21.5	27.3				
Air flow rate ³		m³/h	654/612/571/530/ 486/449/410	725/679/641/591/ 631/592/550	850/792/731/670/ 554/509/458							
Sound pressure level ⁴		dB(A)	33/31/30/29/27/2 5/24	33/31/30/29/27/2 5/24	33/31/30/29/27/2 7/25	37/36/35/34/32/3 1/30	39/37/36/35/33/3 1/30	44/42/41/40/39/3 6/34				
Indoor unit	Net dimensions ⁵ (W×H×D)	mm										
	Packed dimensions (W×H×D)	mm										
Panel	Net/Gross weight	kg	237/36.3		1355/3430/67.5		31.6/38.2					
	Net dimensions ⁵ (W×H×D)	mm										
Panel	Packed dimensions (W×H×D)	mm										
	Net/Gross weight	kg	11/15		1430/534/680		152/51/30/765					
Refrigerant type			11/15									
Pipe connections	Liquid/Gas pipe	mm	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Drain pipe		mm	Ø6.35/Ø12.7									
			Ø9.52/Ø15.9									
			Ø12.7/Ø15.9									
			Ø15.9/Ø19.0									
			Ø19.0/Ø25.4									
			Ø25.4/Ø31.8									
			Ø31.8/Ø38.1									
			Ø38.1/Ø47.6									
			Ø47.6/Ø57.1									
			Ø57.1/Ø68.8									
			Ø68.8/Ø82.5									
			Ø82.5/Ø101.6									
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			Ø127/Ø152.4									
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- Notes:
1. Indoor temperature 27°C DB, 19°C WB, outdoor temperature 35°C DB, equivalent refrigerant piping length 7.5m with zero level difference.
 2. Indoor temperature 20°C DB, outdoor temperature 7°C DB, 6°C WB, equivalent refrigerant piping length 7.5m with zero level difference.
 3. Air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
 4. Sound pressure level is from highest level to lowest level, total 7 rates for each model. Sound pressure level is measured 1.4m below the unit in a anechoic chamber.
 5. Unit body dimensions given are the largest external dimensions of the unit, including flange attachments.

One-way Cassette

Model name	1 phase, 220-240V, 50											
Power supply												
Cooling ¹	Capacity	kW	1.8	2.2	2.8	3.6	4.5	5.6	7.1			
	kBtu/h		6.1	7.5	9.6	12.3	15.4	19.1	24.2			
Heating ²	Capacity	kW	2.2	2.6	3.2	4.0	5.0	6.3	8.0			
	kBtu/h		7.5	8.9	10.9	13.6	17.1	21.5	27.3			
Airflow rate ³		m³/h	380/355/330/300/286/263/240			460/440/410/380/355/330/300			693/662/638/600/ 556/510/476			
Sound pressure level ⁴		dB(A)	30/28/27/26/25/24/22			37/36/35/34/32/ 31/30			38/37/36/35/34/ 31/30			
						105/94/53/42/3			127/54/49/45/2			
Indoor unit	Net dimensions ⁵ (W×H×D)	mm										
	Net dimensions (no water tray) (W×H×D)	mm				105×61×41×28			1275×176×652			
Panel	Packed dimensions (W×H×D)	mm				1155×245×490			1370×258×505			
	Net/Gross weight	kg	11.5/14.5			11.8/14.8			15.8/20.2			
Panel	Net dimensions (W×H×D)	mm				1180×254×465			1380×254×505			
	Packed dimensions (W×H×D)	mm				1232×107×517			1410×65×560			
Refrigerant type	Net/Gross weight	kg	3.5/4.7						4/5.6			
Pipe connections	Liquid/gas pipe	mm	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A		
Drain pipe	Drain pipe	mm				Ø6.35/Ø12.7			Ø9.52/Ø15.9			

- Notes:
1. Indoor temperature 27°C DB, 19°C WB, outdoor temperature 35°C DB, equivalent refrigerant piping length 7.5m with zero level difference.
 2. Indoor temperature 20°C DB, outdoor temperature 7°C DB, 6°C WB, equivalent refrigerant piping length 7.5m with zero level difference.
 3. Each model's 7 airflow rate options are listed in order from highest to lowest.
 4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
 5. Sound pressure level is measured 1.1m below the unit in a anechoic chamber.
 6. The specifications, designs and information in this brochure are subject to change without notice.

Specifications

Slim Duct

Model	42VD008H115002018	42VD007H115002018	42VD009H115002018
Power supply	1-phase, 220-240V, 50	1-phase, 220-240V, 50	1-phase, 220-240V, 50
Cooling ¹	kW 1.5	kW 2.2	kW 2.8
Heating ²	kW 1.8	kW 2.5	kW 3.2
Fan motor type	DC	DC	DC
Air flow rate ⁴	m ³ /h 340/335/329/320/297/298/290	m ³ /h 370/347/338/322/314/306/295	m ³ /h 460/431/413/380/351/323/300
External static pressure ⁵	Pa 10 (10-50)	Pa 10 (10-50)	Pa 10 (10-50)
Unit	Net dimensions ⁷ (W×H×D) mm 550×199×450	Net dimensions ⁷ (W×H×D) mm 550×199×450	Net dimensions ⁷ (W×H×D) mm 550×199×450
Pipe connections	Packed dimensions (W×H×D) mm 715×255×525	Packed dimensions (W×H×D) mm 715×255×525	Packed dimensions (W×H×D) mm 715×255×525
	Net/Gross weight kg 11.5/13.5	Net/Gross weight kg 11.5/13.5	Net/Gross weight kg 11.5/13.5
	Liquid/Gas pipe mm Ø6.35/Ø12.7	Liquid/Gas pipe mm Ø6.35/Ø12.7	Liquid/Gas pipe mm Ø6.35/Ø12.7
	Drain pipe mm Ø10 Ø25	Drain pipe mm Ø10 Ø25	Drain pipe mm Ø10 Ø25

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Each model's 7 airflow rate options are listed in order from highest to lowest.
 - Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
 - Unit body dimensions (given are the net external dimensions of unit, including hanger attachments).
 - The specifications, designs and information in this brochure are subject to change without notice.

Specifications

Slim Duct

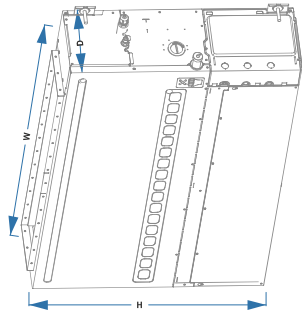
Model	42VD024H115002018	42VD028H115002018
Power supply	1-phase, 220-240V, 50	1-phase, 220-240V, 50
Cooling ¹	kW 7.1	kW 8
Heating ²	kW 24.2	kW 27.3
Fan motor type	DC	DC
Air flow rate ⁴	m ³ /h 1145/1033/957/860/763/671/580	m ³ /h 1400/1327/1249/1175/1095/1026/960
External static pressure ⁵	Pa 10 (10-50)	Pa 20 (10-80)
Unit	Net dimensions ⁷ (W×H×D) mm 1100×199×450	Net dimensions ⁷ (W×H×D) mm 1600×199×450
Pipe connections	Packed dimensions (W×H×D) mm 1300×255×525	Packed dimensions (W×H×D) mm 1780×250×525
	Net/Gross weight kg 20/23.5	Net/Gross weight kg 28/32.5
	Liquid/Gas pipe mm Ø9.52/Ø15.9	Liquid/Gas pipe mm Ø9.52/Ø15.9
	Drain pipe mm Ø10 Ø25	Drain pipe mm Ø10 Ø25

Model	42VD030H115002018	42VD040H115002018
Power supply	1-phase, 220-240V, 50	1-phase, 220-240V, 50
Cooling ¹	kW 9	kW 11.2
Heating ²	kW 30.7	kW 38.2
Fan motor type	DC	DC
Air flow rate ⁴	m ³ /h 1400/1327/1249/1175/1095/1026/960	m ³ /h 1620/1522/1433/1343/1254/1170/1080
External static pressure ⁵	Pa 20 (10-80)	Pa 20 (10-80)
Unit	Net dimensions ⁷ (W×H×D) mm 1600×199×450	Net dimensions ⁷ (W×H×D) mm 1600×199×450
Pipe connections	Packed dimensions (W×H×D) mm 1780×250×525	Packed dimensions (W×H×D) mm 1780×250×525
	Net/Gross weight kg 28/32.5	Net/Gross weight kg 28/32.5
	Liquid/Gas pipe mm Ø9.52/Ø15.9	Liquid/Gas pipe mm Ø9.52/Ø15.9
	Drain pipe mm Ø10 Ø25	Drain pipe mm Ø10 Ø25

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Each model's 7 airflow rate options are listed in order from highest to lowest.
 - Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
 - Sound pressure level is measured 1.0m below the unit in an anechoic chamber.
 - Unit body dimensions (given are the net external dimensions of unit, including hanger attachments).
 - The specifications, designs and information in this brochure are subject to change without notice.

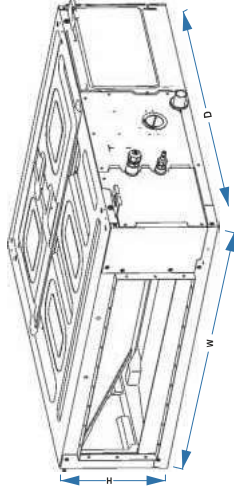
Specifications

Medium Static Pressure Duct



W x H x D

Floor Mounted Duct



W x H x D

Ceiling Suspended Duct

Specifications

Medium Static Pressure Duct

Model	42V0016H15004018 42V0016H15003018	42V0020H15004018 42V0020H15003018	42V0024H15004018 42V0024H15003018	42V0028H15004018 42V0028H15003018
Power supply	1-phase, 220-240V, 50/60Hz	1-phase, 220-240V, 50/60Hz	1-phase, 220-240V, 50/60Hz	1-phase, 220-240V, 50/60Hz
Cooling ¹	kW 18Btu/h	4.5 15.4	5.6 19.1	7.1 24.2
Heating ²	kW 18Btu/h	5 17.1	6.3 21.5	8 27.3
Air flow rate ³	m³/h	66.6/235/800/334/954/653/410	91.0/244/838/773/707/641/575	113.0/168/886/904/827/604/660
External static pressure ⁴	Pa	30 (10~160)	30 (10~160)	30 (10~160)
Unit	Net dimensions (WxHxD) Packed dimensions (WxHxD) Net/Gross weight Liquid/Gas pipe	245x710x770 305x765x890 19.5/22 Ø6.35/Ø12.7	245x710x770 305x765x890 24/27.5 Ø6.35/Ø12.7	245x710x770 305x765x890 25/28.5 Ø9.52/Ø15.9
Pipe connections	mm	Ø0.025	Ø0.025	Ø0.025

Model	42V0030H15004018 42V0030H15003018	42V0040H15004018 42V0040H15003018	42V0048H15004018 42V0048H15003018	42V0054H15004018 42V0054H15003018
Power supply	1-phase, 220-240V, 50/60Hz	1-phase, 220-240V, 50/60Hz	1-phase, 220-240V, 50/60Hz	1-phase, 220-240V, 50/60Hz
Cooling ¹	kW 18Btu/h	9 30.7	11.2 38.2	14 47.8
Heating ²	kW 18Btu/h	10 34.1	12.5 42.7	16 54.6
Air flow rate ³	m³/h	142.0/323.1/375.1/729/1030/9	195.0/181.7/480.1/589/417/12	210.0/197.1/687.1/803/568/14
External static pressure ⁴	Pa	40 (10~160)	40 (10~160)	50 (10~160)
Unit	Net dimensions (WxHxD) Packed dimensions (WxHxD) Net/Gross weight	245x1160x770 305x1215x890 31/34.5	245x1510x770 305x1565x890 37/41.5	245x1510x770 305x1565x890 39/43.5
Pipe connections	mm	Ø9.52/Ø15.9	Ø9.52/Ø15.9	Ø9.52/Ø15.9

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.6m with zero level difference.
 - Indoor temperature 20°C DB, outdoor temperature 7°C DB; equivalent refrigerant piping length 7.6m with zero level difference.
 - Each model's 7 airflow rate options are listed in order from highest to lowest.
 - Each model's 7 sound pressure levels are listed in order from highest to lowest.
 - Sound pressure level is measured 1.4m below the unit in a anechoic chamber.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
 - The specifications, designs and information in this brochure are subject to change without notice.

Model	42V0005H15004018 42V0005H15003018	42V0007H15004018 42V0007H15003018	42V0009H15004018 42V0009H15003018	42V0012H15004018 42V0012H15003018
Power supply	1-phase, 220-240V, 50/60Hz	1-phase, 220-240V, 50/60Hz	1-phase, 220-240V, 50/60Hz	1-phase, 220-240V, 50/60Hz
Cooling ¹	kW 18Btu/h	1.5 5.1	2.2 7.5	2.8 9.6
Heating ²	kW 18Btu/h	1.8 6.1	2.5 8.5	3.2 10.9
Air flow rate ³	m³/h	47.0/38.0/37.5/34.3/31.2/80	50.0/46.7/43.3/40.0/36.7/33.0	54.0/38.3/46.7/43.0/39.3/35.7/20
External static pressure ⁴	Pa	30 (10~160)	30 (10~160)	30 (10~160)
Unit	Net dimensions (WxHxD) Packed dimensions (WxHxD) Net/Gross weight	245x710x770 305x765x890 18.5/21	245x710x770 305x765x890 18.5/21	245x710x770 305x765x890 18.5/21
Pipe connections	mm	Ø6.35/Ø12.7	Ø6.35/Ø12.7	Ø6.35/Ø12.7

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.6m with zero level difference.
 - Indoor temperature 20°C DB, outdoor temperature 7°C DB; equivalent refrigerant piping length 7.6m with zero level difference.
 - Each model's 7 airflow rate options are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
 - Sound pressure level is measured 1.4m below the unit in a anechoic chamber.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
 - The specifications, designs and information in this brochure are subject to change without notice.

Specifications

High Static Pressure Duct

Model name		42VD020H1501018				42VD024H1501018				42VD028H1501018				42VD030H1501018			
Power supply		1-phase, 220-240V, 50/60Hz															
Cooling ¹	Capacity	kW	5.6	7.1	8	9											
		kBtu/h	19.1	24.2	27.3	30.7											
Heating ²	Capacity	kW	6.3	8	9	10											
		kBtu/h	21.5	27.3	30.7	34.1											
Airflow rate ³		m³/h	1360/128/1700/1127/1043/963/884				1360/128/1700/1127/1043/963/884				1530/1413/1335/1238/1150/1065/975						
External static pressure ⁴		Pa					800~250										
Sound pressure level ⁵		dB(A)	39/39/36/35/33/32/30				39/39/36/35/33/32/30				40/39/37/36/34/33/31						
Unit	Net dimensions ⁶ (WxHxD)	mm	1135x259x770														
	Packed dimensions (WxHxD)	mm	1215x359x890														
Refrigerant type	Net/Gross weight	kg	35/38.5				35/38.5				35/38.5						
			R410A				R410A				R410A						
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7				Ø9.52/Ø15.9										
	Drain pipe	mm	OD 10.5														

Model name		42VD040H1501018				42VD042H1501018				42VD048H1501018				42VD054H1501018			
Power supply		1-phase, 220-240V, 50/60Hz															
Cooling ¹	Capacity	kW	11.2	12.5	14	16											
		kBtu/h	38.2	42.7	47.8	54.6											
Heating ²	Capacity	kW	12.5	14	16	18											
		kBtu/h	42.7	47.8	54.6	61.4											
Airflow rate ³		m³/h	2140/2025/1899/1774/1649/1523/1398				2400/2260/2120/1980/1840/1700/1560				2600/2448/2297/2145/1933/1847/1690						
External static pressure ⁴		Pa	800~250				1000~250										
Sound pressure level ⁵		dB(A)	41/40/38/37/35/34/32				41/40/39/37/36/35/33				43/42/40/39/37/36/34						
Unit	Net dimensions ⁶ (WxHxD)	mm	1485x259x770														
	Packed dimensions (WxHxD)	mm	1565x359x890														
Refrigerant type	Net/Gross weight	kg	44.5/50.5				46.5/50.5				46.5/50.5						
			R410A/R32				R410A/R32				R410A/R32						
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø15.9														
	Drain pipe	mm	OD 10.5														

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Each model's 7 airflow rate options are listed in order, from highest to lowest.
 - Each model's 7 sound pressure levels are listed in order, from highest to lowest.
 - Sound pressure level is measured 1.4m below the unit in a anechoic chamber.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
 - The specifications, designs and information in this brochure are subject to change without notice.

Model name		42VD070H1501018	42VD076H1501018	42VD085H1501018
Power supply		1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	20.0	22.4
	kBtu/h		68.3	76.5
Heating ²	Capacity	kW	22.5	25.0
	kBtu/h		76.8	85.3
Airflow rate ³		m³/h	4700/4387/4073/3760/3447/3133/2820	4700/4387/4073/3760/3447/3133/2820
External static pressure ⁴		Pa	2000 (0-400)	2000 (0-400)
Net dimensions ⁵ (WxHxD)		mm	1300x580x900	1300x580x900
Packed dimensions		mm	1530x730x1060	1530x730x1060
Unit	Net/Gross weight (WxHxD)	kg	125/150	125/150
Pipe connections	Liquid/Gas pipe	mm	Ø9.52/Ø19.1	Ø12.7/Ø22.2
	Drain pipe	mm	OD Ø32	OD Ø32

Model name		42VD120H1501018	42VD140H1501018
Power supply		1-phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	33.5
	kBtu/h		114.3
Heating ²	Capacity	kW	31.5
	kBtu/h		107.5
Airflow rate ³		m³/h	4700/4387/4073/3760/3447/3133/2820
External static pressure ⁴		Pa	200 (0-400)
Net dimensions ⁵ (WxHxD)		mm	1300x580x900
Packed dimensions		mm	1530x730x1060
Unit	Net/Gross weight (WxHxD)	kg	125/150
Pipe connections	Liquid/Gas pipe	mm	Ø12.7/Ø25.4
	Drain pipe	mm	OD Ø32

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Each model's 7 airflow rate options are listed in order, from highest to lowest.
 - Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
 - Sound pressure level is measured 1.4m below the unit in a anechoic chamber.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
 - The specifications, designs and information in this brochure are subject to change without notice.

Specifications

High Static Pressure Unit

Model name		42VD160H150011018	
Power supply		1-phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	45.0
		kBtu/h	153.6
Heating ²	Capacity	kW	56.0
		kBtu/h	191.1
Airflow rate ³		m ³ /h	7500/7000/6500/6000/ 8400/7840/7280/6720/5500/5000/4500/6160/5600/5040
External static pressure ⁴		Pa	300 (0-400)
Net dimensions ⁶ (W×H×D)		mm	1850×580×900
Unit	Packed dimensions (W×H×D)	mm	2080×730×1060
	Net/Gross weight	kg	166/204 170/208
Pipe connections	Liquid/Gas pipe	mm	Φ15.9/Ø28.6
	Drain pipe	mm	OD Φ32

Model name	42VD190H150011018
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Power supply		1-phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	56.0
		kBtu/h	191.1
Heating ²	Capacity	kW	63.0
		kBtu/h	215.0
Airflow rate ³		m ³ /h	7500/7000/6500/6000/ 8400/7840/7280/6720/5500/5000/4500/6160/5600/5040
External static pressure ⁴		Pa	300 (0-400)
Net dimensions ⁶ (W×H×D)		mm	1850×580×900
Unit	Packed dimensions (W×H×D)	mm	2080×730×1060
	Net/Gross weight	kg	166/204 170/208
Pipe connections	Liquid/Gas pipe	mm	Φ15.9/Ø28.6
	Drain pipe	mm	OD Φ32

Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 12m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 12m with zero level difference.
3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Sound pressure level is measured 1.4m below the unit in a anechoic chamber, and correspond to the model's 7 airflow rate options (see Note 3).
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
6. The specifications, designs and information in this brochure are subject to change without notice.

Specifications

Wall Mounted

Model	42VH05H115000108	42VH07H115000108	42VH09H115000108	42VH12H115000108
Power supply	1-phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	2.2	2.8
		kBtu/h	7.5	9.6
Heating ²	Capacity	kW	2.4	3.2
		kBtu/h	8.2	10.9
Air flow rate ³	500/470/440/410/390/370/340			
Sound pressure level ⁴	50/51/0470/430/400/370/340			
Sound power level	Net dimensions (W×H×D)	mm	750 × 295 × 265	750 × 295 × 265
	Packed dimensions (W×H×D)	mm	875×385×360	875×385×360
Unit	Net Gross weight	kg	9/11.5	10/12.5
Refrigerant type	R410A/R32			
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø6.35/Ø12.7
	Drain pipe	mm	OD Ø16	OD Ø16

Model	42VH16H115000108	42VH20H115000108	42VH24H115000108	42VH28H115000108
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Power supply		1-phase, 220-240V, 50/60Hz				
Cooling ¹	Capacity	kW	4.5	5.6	7.1	8
		kBtu/h	15.4	19.1	24.2	27.3
Heating ²	Capacity	kW	5	6.3	8	9
		kBtu/h	17.1	21.5	27.3	30.7
Air flow rate ³		m ³ /h	720/670/620/560/510/460/410	860/780/700/620/550/480/410	1220/1120/1030/940/850/750/660	1380/1280/1140/1020/900/780/660
Sound pressure level ⁴		dB(A)	37/35/33/32/31/30/29	41/39/37/35/33/31/29	44/42/40/38/36/34/32	45/43/41/39/37/35/32
Unit	Net dimensions (W×H×D)	mm	950×295×265	950×295×265	1200×295×265	1200×295×265
	Packed dimensions (W×H×D)	mm	1075×385×360	1075×385×360	1315×385×360	1315×385×360
	Net/Gross weight	kg	11.5/14	11.5/14	15/18	15/18
Refrigerant type			R410A			
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	Ø6.35/Ø12.7	Ø6.35/Ø15.9	Ø6.35/Ø15.9
	Drain pipe	mm	OD Ø16	OD Ø16	OD Ø16	OD Ø16

Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 12m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 12m with zero level difference.
3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
5. Sound pressure level is measured 1.4m below the unit in a anechoic chamber.
6. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
7. The specifications, designs and information in this brochure are subject to change without notice.

Specifications

Ceiling & Floor

Model name		42VF02BH15000018							42VF03BH15000018							42VF04BH15000018							42VF05BH15000018							42VF06BH15000018							42VF07BH15000018							42VF08BH15000018							42VF09BH15000018							42VF10BH15000018							42VF11BH15000018							42VF12BH15000018							42VF13BH15000018							42VF14BH15000018							42VF15BH15000018							42VF16BH15000018							42VF17BH15000018							42VF18BH15000018							42VF19BH15000018							42VF20BH15000018							42VF21BH15000018							42VF22BH15000018							42VF23BH15000018							42VF24BH15000018							42VF25BH15000018							42VF26BH15000018							42VF27BH15000018							42VF28BH15000018							42VF29BH15000018							42VF30BH15000018							42VF31BH15000018							42VF32BH15000018							42VF33BH15000018							42VF34BH15000018							42VF35BH15000018							42VF36BH15000018							42VF37BH15000018							42VF38BH15000018							42VF39BH15000018							42VF40BH15000018							42VF41BH15000018							42VF42BH15000018							42VF43BH15000018							42VF44BH15000018							42VF45BH15000018							42VF46BH15000018							42VF47BH15000018							42VF48BH15000018							42VF49BH15000018							42VF50BH15000018							42VF51BH15000018							42VF52BH15000018							42VF53BH15000018							42VF54BH15000018							42VF55BH15000018							42VF56BH15000018							42VF57BH15000018							42VF58BH15000018							42VF59BH15000018							42VF60BH15000018							42VF61BH15000018							42VF62BH15000018							42VF63BH15000018							42VF64BH15000018							42VF65BH15000018							42VF66BH15000018							42VF67BH15000018							42VF68BH15000018							42VF69BH15000018							42VF70BH15000018							42VF71BH15000018							42VF72BH15000018							42VF73BH15000018							42VF74BH15000018							42VF75BH15000018							42VF76BH15000018							42VF77BH15000018							42VF78BH15000018							42VF79BH15000018							42VF80BH15000018							42VF81BH15000018							42VF82BH15000018							42VF83BH15000018							42VF84BH15000018							42VF85BH15000018							42VF86BH15000018							42VF87BH15000018							42VF88BH15000018							42VF89BH15000018							42VF90BH15000018							42VF91BH15000018							42VF92BH15000018							42VF93BH15000018							42VF94BH15000018							42VF95BH15000018							42VF96BH15000018							42VF97BH15000018							42VF98BH15000018							42VF99BH15000018							42VF100BH15000018							42VF101BH15000018							42VF102BH15000018							42VF103BH15000018							42VF104BH15000018							42VF105BH15000018							42VF106BH15000018							42VF107BH15000018							42VF108BH15000018							42VF109BH15000018							42VF110BH15000018							42VF111BH15000018							42VF112BH15000018							42VF113BH15000018							42VF114BH15000018							42VF115BH15000018							42VF116BH15000018							42VF117BH15000018							42VF118BH15000018							42VF119BH15000018							42VF120BH15000018							42VF121BH15000018							42VF122BH15000018							42VF123BH15000018							42VF124BH15000018							42VF125BH15000018							42VF126BH15000018							42VF127BH15000018							42VF128BH15000018							42VF129BH15000018							42VF130BH15000018							42VF131BH15000018							42VF132BH15000018							42VF133BH15000018							42VF134BH15000018							42VF135BH15000018							42VF136BH15000018							42VF137BH15000018							42VF138BH15000018							42VF139BH15000018							42VF140BH15000018							42VF141BH15000018							42VF142BH15000018							42VF143BH15000018							42VF144BH15000018							42VF145BH15000018							42VF146BH15000018							42VF147BH15000018							42VF148BH15000018							42VF149BH15000018							42VF150BH15000018							42VF151BH15000018							42VF152BH15000018							42VF153BH15000018							42VF154BH15000018							42VF155BH15000018							42VF156BH15000018							42VF157BH15000018							42VF158BH15000018							42VF159BH15000018							42VF160BH15000018							42VF161BH15000018							42VF162BH15000018							42VF163BH15000018							42VF164BH15000018							42VF165BH15000018							42VF166BH15000018							42VF167BH15000018							42VF168BH15000018							42VF169BH15000018							42VF170BH15000018							42VF171BH15000018							42VF172BH15000018							42VF173BH15000018							42VF174BH15000018							42VF175BH15000018							42VF176BH15000018							42VF177BH15000018							42VF178BH15000018							42VF179BH15000018							42VF180BH15000018							42VF181BH15000018							42VF182BH15000018							42VF183BH15000018							42VF184BH15000018							42VF185BH15000018							42VF186BH15000018							42VF187BH15000018							42VF188BH15000018							42VF189BH15000018							42VF190BH15000018							42VF191BH15000018							42VF192BH15000018							42VF193BH15000018							42VF194BH15000018							42VF195BH15000018							42VF196BH15000018							42VF197BH15000018							42VF198BH15000018							42VF199BH15000018							42VF200BH15000018							42VF201BH15000018							42VF202BH15000018							42VF203BH15000018							42VF204BH15000018							42VF205BH15000018							42VF206BH15000018							42VF207BH15000018							42VF208BH15000018							42VF209BH15000018							42VF210BH15000018							42VF211BH15000018							42VF212BH15000018							42VF213BH15000018							42VF214BH15000018							42VF215BH15000018							42VF216BH15000018							42VF217BH15000018							42VF218BH15000018							42VF219BH15000018							42VF220BH15000018							42VF221BH15000018							42VF222BH15000018							42VF223BH15000018							42VF224BH15000018							42VF225BH15000018							42VF226BH15000018							42VF227BH15000018							42VF228BH15000018							42VF229BH15000018							42VF230BH15000018							42VF231BH15000018							42VF232BH15000018							42VF233BH15000018							42VF234BH15000018							42VF235BH15000018							42VF236BH15000018							42VF237BH15000018							42VF238BH15000018							42VF239BH15000018							42VF240BH15000018							42VF241BH15000018							42VF242BH15000018							42VF243BH15000018							42VF244BH15000018							42VF245BH15000018							42VF246BH15000018							42VF247BH15000018							42VF248BH15000018							42VF249BH15000018							42VF250BH15000018							42VF251BH15000018							42VF252BH15000018							42VF253BH15000018							42VF254BH15000018							42VF255BH15000018							42VF256BH15000018							42VF257BH15000018							42VF258BH15000018							42VF259BH15000018							42VF260BH15000018							42VF261BH15000018							42VF262BH15000018							42VF263BH15000018							42VF264BH15000018							42VF265BH15000018							42VF266BH15000018							42VF267BH15000018							42VF268BH15000018							42VF269BH15000018							42VF270BH15000018							42VF271BH15000018							42VF272BH15000018							42VF273BH15000018							42VF274BH15000018							42VF275BH15000018							42VF276BH15000018							42VF277BH15000018							42VF278BH15000018							42VF279BH15000018							42VF280BH15000018							42VF281BH15000018							42VF282BH15000018							42VF283BH15000018							42VF284BH15000018							42VF285BH15000018							42VF286BH15000018							42VF287BH15000018							42VF288BH15000018							42VF289BH15000018							42VF290BH15000018							42VF291BH15000018							42VF292BH15000018							42VF293BH15000018							42VF294BH15000018							42VF295BH15000018							42VF296BH15000018							42VF297BH15000018							42VF298BH15000018							42VF299BH15000018							42VF300BH15000018							42VF301BH15000018							42VF302BH15000018							42VF303BH15000018							42VF304BH15000018							42VF305BH15000018							42VF306BH15000018							42VF307BH15000018							42VF308BH15000018							42VF309BH15000018							42VF310BH15000018							42VF311BH15000018							42VF312BH15000018							42VF313BH15000018							42VF314BH15000018							42VF315BH15000018							42VF316BH15000018							42VF317BH15000018							42VF318BH15000018							42VF319BH15000018							42VF320BH15000018							42VF321BH15000018							42VF322BH15000018							42VF323BH15000018							42VF324BH15000018							42VF325BH15000018							42VF326BH15000018							42VF327BH15000018							42VF328BH15000018							42VF329BH15000018							42VF330BH15000018							42VF331BH15000018							42VF332BH15000018							42VF333BH15000018							42VF334BH15000018							42VF335BH15000018							42VF336BH15000018							42VF337BH15000018							42VF338BH15000018							42VF339BH15000018							42VF340BH15000018							42VF341BH15000018							42VF342BH15000018							42VF343BH15000018							42VF344BH15000018							42VF345BH15000018							42VF346BH15000018							42VF347BH15000018							42VF348BH15000018							42VF349BH15000018							42VF350BH15000018							42VF351BH15000018							42VF352BH15000018							42VF353BH15000018							42VF354BH15000018							42VF355BH15000018							42VF356BH15000018							42VF357BH15000018							42VF358BH15000018							42VF359BH15000018							42VF360BH15000018							42VF361BH15000018							42VF362BH15000018							42VF363BH15000018							42VF364BH15000018							42VF365BH15000018							42VF366BH15000018							42VF367BH15000018							42VF368BH15000018							42VF369BH15000018							42VF370BH15000018							42VF371BH15000018							42VF372BH15000018							42VF373BH15000018							42VF374BH15000018							42VF375BH15000018							42VF376BH15000018							42VF377BH15000018							42VF378BH15000018							42VF379BH15000018							42VF380BH15000018							42VF381BH15000018							42VF382BH15000018							42VF383BH15000018							42VF384BH15000018							42VF385BH15000018							42VF386BH15000018							42VF387BH15000018							42VF388BH15000018							42VF389BH15000018							42VF390BH15000018							42VF391BH15000018							42VF392BH15000018							42VF393BH15000018							42VF394BH15000018							42VF395BH15000018							42VF396BH15000018							42VF397BH15000018							42VF398BH15000018							42VF399BH15000018							42VF400BH15000018							42VF401BH15000018							42VF402BH15000018							42VF403BH15000018							42VF404BH15000018							42VF405BH15000018							42VF406BH15000018							42VF407BH15000018							42VF408BH15000018							42VF409BH15000018							42VF410BH15000018							42VF411BH15000018							42VF412BH15000018							42VF413BH15000018							42VF414BH15000018							42VF415BH15000018							42VF416BH15000018							42VF417BH15000018							42VF418BH15000018							42VF419BH15000018							42VF420BH15000018							42VF421BH15000018							42VF422BH150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- Notes:
- Indoor temperature 27°C DB, 19°C WB, outdoor temperature 35°C DB, equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB, outdoor temperature 7°C DB, 6°C WB, equivalent refrigerant piping length 7.5m with zero level difference.
 - Each model's 7 airflow rate options are listed in order from highest to lowest.
 - Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
 - Unit's body dimensions given are the largest external dimensions of its unit, including hanger attachments.
 - The specifications, designs and information in this brochure are subject to change without notice.

Specifications

HRV

Model		HRV-D200(C)	HRV-D300(C)	HRV-D400(C)	HRV-D500(C)
Power supply		1-phase, 220-240V~50Hz			
		W	100/57/35	110/79/40	150/95/50
Input power (lBtu/hJF*MS)		W	80/40/25	100/57/35	150/95/50
	Nominal Temperature Efficiency (standard G4) (lBtu/hJ)	%	79.5/81.1/83.5	75.5/78.6/82.5	71.7/79.0/81.3
Nominal Enthalpy Efficiency (standard G4) (lBtu/hJ)		%	75.0/75.5/79.93	72.1/73.0/79.3	73.5/75.3/78.0
	Nominal Temperature Efficiency (F7+MS) (lBtu/hJ)	%	81.8/83.4/87.5	85.4/81.8/83.5	72.2/79.4/82.5
Nominal Enthalpy Efficiency (F7+MS) (lBtu/hJ)		%	81.2/83.1/85.0	79.4/81.2/84.0	73.6/81.5/86.2
	Current	A	0.64	0.84	0.97
Indoor external static pressure (lB speed+ standard G4)		Pa	100	90	100
	Fresh air external static pressure (lB speed+ standard G4)	Pa	75	70	70
Discharge air external static pressure (lB speed+ standard G4)		Pa	100	110	110
	Nominal air flow	m ³ /h	200	300	400
Sound Pressure (HAM.L)		dB(A)	33/29.5/25.5	36.5/33.5/30	36.5/32/28
	Sound Power	dB(A)	45	48	48
Net dimension (LxWxH)		mm	1195x784x272	1195x986x272	1276x1189x272
	Picking size (LxWxH)	mm	1275x886x420	1275x984x420	1360x1244x420
Net/Gross weight		kg	57/68	57/74	72/92
	Wire qty	3	3	3	3
Power supply wire		mm ²	2.5	2.5	2.5
	Code wire cross-section				
Controller		Wired controller, Centralized controller, BMS gateway			
Fresh air	Fresh Air Diameter	mm	Ø144	Ø198	Ø244
	Air drop	Pa	52	179	218

Model		HRV-D800(C)	HRV-D1000(C)	HRV-D1500(C)	HRV-D2000(C)
Power supply		1-phase, 220-240V~50Hz			
		W	380/210/100	680/320/200	950/500/230
Input power (lBtu/hJF*MS)		W	320/170/80	420/230/100	640/320/200
	Nominal Temperature Efficiency (standard G4) (lBtu/hJ)	%	78.7/82.7/86.8	82.8/84.0/87.4	75.5/78.6/80.2
Nominal Enthalpy Efficiency (standard G4) (lBtu/hJ)		%	72.3/75.4/79.0	76.0/76.0/80.1	69.4/71.9/74.8
	Nominal Temperature Efficiency (F7+MS) (lBtu/hJ)	%	74.9/77.1/80.8	75.5/78.0/81.4	83.8/84.9/86.2
Nominal Enthalpy Efficiency (F7+MS) (lBtu/hJ)		%	71.1/74.4/78.0	67.3/71.7/75.3	74.5/76.2/78.8
	Current	A	2.4	2.9	3.8
Indoor external static pressure (lB speed+ standard G4)		Pa	140	160	180
	Fresh air external static pressure (lB speed+ standard G4)	Pa	100	110	130
Discharge air external static pressure (lB speed+ standard G4)		Pa	155	145	180
	Nominal air flow	m ³ /h	800	1000	1500
Sound Pressure (HAM.L)		dB(A)	42/39/34	44/39/33.5	51.5/46.5/41.5
	Sound Power	dB(A)	55	54	69
Net dimension (LxWxH)		mm	1311x1270x390	1311x1510x390	1740x1346x415
	Picking size (LxWxH)	mm	1390x1426x540	1390x1670x540	1830x1526x70
Net/Gross weight		kg	77/101	88/112	169/200
	Wire qty	3	3	3	3
Power supply wire		mm ²	2.5	2.5	2.5
	Code wire cross-section				
Controller		Wired controller, Centralized controller, BMS gateway			
Fresh air	Fresh Air Diameter	mm	Ø344	Ø444	Ø466x326
	Air drop	Pa	357	384	253

- Notes:
- Indoor temperature 27°C DB, 19°C WB, outdoor temperature 35°C DB, equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB, outdoor temperature 7°C DB, 6°C WB, equivalent refrigerant piping length 7.5m with zero level difference.
 - Each model's 7 airflow rate options are listed in order from highest to lowest.
 - Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
 - Sound pressure level is measured 1.4m below the unit in a anechoic chamber.
 - Unit's body dimensions given are the largest external dimensions of its unit, including hanger attachments.
 - The specifications, designs and information in this brochure are subject to change without notice.

Specifications

Fresh air unit (small)

Model name	42X0008H115211018.5	42X0048H11521018.5	42X0048H115211018.5	42X006H11521018.5	42X006H11521018.5
Power supply	9.0	14.0	16.0	22.4	1-phase, 220-240V, 50/60Hz
Cooling ¹	kW	kW	kW	kW	
kilot/h	30.7	47.8	54.6	76.5	
Input	W	80	155	320	400
Heating ²	kW	8.1	12.5	14.0	20.0
kilot/h	27.6	42.7	42.8	68.3	65.3
Input	W	80	155	320	400
Fan motor	Type	DC	DC	DC	DC
Quantity	1	1	1	1	1
Number of rows	3	3	3	3	3
Tube pitch-row	mm	18x1072	18x1072	18x1072	18x1072
Fan spacing	mm	1.35	1.35	1.35	1.35
Fin type	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
Tube OD and type	mm	455 inner groove	455 inner groove	455 inner groove	455 inner groove
Dimensions	mm	850x360x32.16	850x360x32.16	1200x360x32.16	1200x360x32.16
Number of circuits	10	10	10	10	10
Airflow rate ³	m³/h	650(633.575/5348/466/403/345)	1100(1008.917/825/733/642/550)	1230(1128.1025/923/830/718/635)	1740(1595/1450/1385/1160/1015/870)
External static pressure ⁴	Pa	320 (P=320)	150 (P=260)	150 (P=300)	2160(1980/1800/1620/1440/1260/1080)
Sound pressure level ⁵	dB(A)	39(37.5/34.5/32.5/30.5/29)	44.5(43.0/42.0/37.5/33.5/31)	44.5(43.0/41.5/38.5/34.5/32.5)	200 (P=300)
Sound power level ⁶	dB(A)	61(59)56(53.5)/48(46)	66(64)61(57)/55(53.5)	67(65)62(58.5)/64(52)	49(47)45(43)40(38)36
Net dimensions (WxHxD)	mm	1095x310x773	1095x310x773	1095x310x773	70(68)65(63)60(58)55
Packed dimensions (WxHxD)	mm	1215x360x885	1215x360x885	1215x360x885	1445x310x773
Net/Gross weight	kg	37(34.5)	40(41.5)	40(41.5)	164(3x360x885)
Refrigerant type	MPa	R410A/R32	R410A/R32	R410A/R32	164(3x360x885)
Pipe	mm	4.4/7.6	4.4/7.6	4.4/7.6	54/59
Liquid/Gas pipe connections	mm	49.52/64.5	49.52/64.5	49.52/64.5	49.52/64.5
Drain pipe	mm	OD #25	OD #25	OD #25	49.52/64.5
Operating temperature range	°C	Heating: -10 to 16; Cooling: -20 to 52; Fan only: 5 to 48	Heating: -10 to 16; Cooling: -20 to 52; Fan only: 5 to 48	Heating: -10 to 16; Cooling: -20 to 52; Fan only: 5 to 48	Heating: -10 to 16; Cooling: -20 to 52; Fan only: 5 to 48

Fresh air unit

Model name	4247079/115121018		4247079/115121018		4247079/115121018	
Power supply	Cooling ¹	Capacity	kW	1-phase, 220-240V, 50/60Hz	20.0	1-phase, 220-240V, 50/60Hz
			kBtu/h		22.4	
			kW		68.3	36.5
	Heating ¹	Capacity	kW	12.0	13.7	
			kBtu/h	41.0	46.8	
4-refrigerant ²			m ³ /h	2500/1417/2333/2540/2167/2083/1000	2500/1417/2333/2540/2167/2083/1000	
External static pressure ⁴			Pa	220/0.4/0.0	220/0.4/0.0	
Sound pressure level ⁵			dB(A)	47/46/46/45/44/43/42	48/47/46/46/45/44/43/42	
Unit		Net dimensions ⁶ (WxDxH)	mm	1300/550/900	1300/550/900	
		Picked dimension (WxDxH)	mm	1530/730/1060	1530/730/1060	
		Net/Gross weight	kg	117/142	117/142	
Refrigerant type				R410A	R410A	
Design pressure (H/L)			MPa	4.4/2.6	4.4/2.6	
Refrigerant		Liquid/Gas side	mm	Ø9.52/Ø9.51	Ø9.52/Ø9.51	
anti-drain piping			mm	ØD Ø32	ØD Ø32	

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB, equivalent refrigerant piping length 7.5m, with zero level difference.
2. Indoor temperature 20°C DB, outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m, with zero level difference.
3. Each mode's 7 airflow rate options are listed in order, from highest to lowest.
4. Each mode's 7 airflow pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see table 1).
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Specifications

Model name	4V70060411521018		4V70060411521018		4V70060411521018	
Power supply	Cooling ¹	Capacity	25.2	28.0	1-phase, 220-240V, 50/60Hz	1-phase, 220-240V, 50/60Hz
			86.0	95.6		33.5
			16.0	18.0		114.3
	Heating ²	Capacity	54.6	61.4		22.0
Airflow rate ³			2800/3260/3533/2400/2357/2133/2000	3000/3383/3667/2600/2333/2167/2000		75.1
Gross static pressure ⁴			120/140/160/180/200	120/140/160		200/160/400
Sound pressure level ⁵			46/47/47/46/45/44/43	49/48/48/47/46/45/44/43		200/150/60/68/64/63/64/65
Unit		Net dimensions ⁶ (WxHxD)	1300x550x500	1300x550x500		1300x550x500
		Packed dimensions (WxHxD)	1530x730x1060	1530x730x1060		1530x730x1060
		Net/Gross weight	117/142	117/142		137/146
Refrigerant type			R410A	R410A		R410A
Design pressure (H/L)			4.4/2.6	4.4/2.6		4.4/2.6
Refriger		Liquid/Gas side	Φ12.7/Φ22.2	Φ12.7/Φ22.2		Φ12.7/Φ25.4
air/contain piping			OD Φ32	OD Φ32		OD Φ32
Model name	4V70060411521018		4V70060411521018		4V70060411521018	
Power supply	Cooling ¹	Capacity	40.0	45.0	1-phase, 220-240V, 50/60Hz	1-phase, 220-240V, 50/60Hz
			136.5	153.8		56.0
			26.5	27.8		19.1
	Heating ²	Capacity	90.4	94.9		39.0
Airflow rate ³			4500/4217/3933/3650/3367/3063/2800	4500/4217/3933/3650/3367/3063/2800		133.1
External static pressure ⁴			300/0.4/0.0	300/0.4/0.0		300/0.4/0.0
Sound pressure level ⁵			53/52/52/51/50/49/48	53/52/52/51/50/49/48		6200/5833/5467/5100/4733/4367/4000
Unit		Net dimensions ⁶ (WxHxD)	1850x550x900	1850x550x900		3660x550x900
		Packed dimensions (WxHxD)	2080x730x1060	2080x730x1060		3850x550x900
		Net/Gross weight	167/198	167/198		2080/2300/1060
Refrigerant type			R410A	R410A		164/701
Design pressure (H/L)			4.4/2.6	4.4/2.6		R410A
Refriger		Liquid/Gas side	Φ12.7/Φ25.4	Φ10/Φ28.6		4.4/2.6
air/contain piping			OD Φ32	OD Φ32		Φ16/Φ28.6
						OD Φ32

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB, equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB, 19°C WB; outdoor temperature 7°C DB, 6°C WB, equivalent refrigerant piping length 7.5m with zero level difference.
3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 supply pressure options are listed in order, from highest to lowest.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
6. The specifications, designs and information in these models are subject to change without notice.

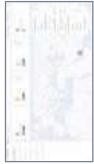
CONTROL SOLUTIONS

Remote Controllers
Wired Controllers
Centralized Controllers
Network Control System
BMS Gateways
Accessories



CONTROLLER LINEUP

Wireless Remote Controllers	Wired Controllers	Centralized Controllers
WL-12B-CM 	WR-86S-CM 	CRF-210B-CM 
WL-12F-CM 	WR-86T-CM 	CRF-270D-CM 
	WR-120T-CM 	

Network Control System	BMS Gateways	Accessories
NW3-CLOUD-CM  + 	NW3-BAC-CM  + 	XYE Extension Kit 
NW3-CLOUD-CM  +  +  Cloud Control App	NW3-MOD-CM 	CA3-EK 



Remote Controllers

Features

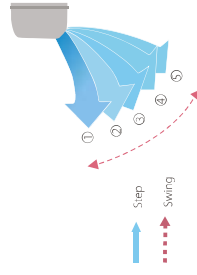
Model	WL-12F1-OM	WL-12F-OM
On / Off	✓	✓
Mode selection	✓	✓
Temperature setting	(0.5°C or 1°C steps)	(0.5°C or 1°C steps)
7 speed fan control	✓	✓
Auto swing	✓	✓
5-step swing louver	✓	✓
Address setting	✓	✓
Follow me	✗	✓
Eco mode	✓	✓
Silent mode	✓	✓
Display shut-off	✓	✓
Daily timer	✓	✓
Self Cleaning Mode setting	✓	✗
Keyboard lock	✓	✓
Background light	✓	✓
Indoor Unit parameter setting	✓	✓
Dimensions (HxWxD) (mm)	170x48x20	170x48x20
Indoor unit series	2nd & 3rd Generation IDU	

Note:

✓ : equipped as standard ✗ : without this function

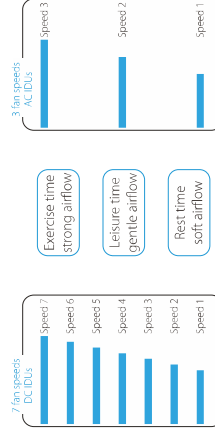
5 Swing Angles for Louver

Thanks to the 5 swing angles for indoor unit louver, the air flow direction can be controlled more precisely.



Multiple Fan Speed Control

The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.



Self Cleaning Mode setting

Can be turned on Self Cleaning mode.



*The self clean function is only available for Super V5 VRF.

Wired Controllers



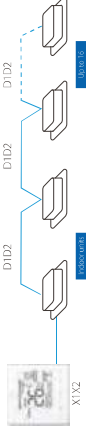
Features

Model	WR-865-CM	WR-120T-CM
On / Off	✓	✓
Mode selection	✓	✓
Temperature setting	(0.5°C or 1°C steps)	(0.5°C or 1°C steps)
Dual temperature set points	✗	✓
7-speed fan control	✓	✓
Auto swing	✓	✓
5-step swing power	✓	✓
Address setting	✓	✓
CET mode	✓	✓
Room temperature display	✓	✓
4°F/C display	✓	✓
Keyboard lock	✗	✓
Background light	✓	✓
Daily timer	✓	✓
Weekly schedule timer	✗	✓
Auto restart	✓	✓
2 permission levels	✓	✓
Bi-directional communication	✓	✓
Group control	✓	✓
Main or secondary controller setting	✓	✓
Display shut-off	✓	✓
Silent mode	✓	✓
Remote signal receiver	✓	✓
Clean filter reminder	✓	✓
Extension function	✗	✓
Daylight saving time	✗	✓
Clock display	✗	✓
Error check function	✓	✓
System parameter querying	✓	✓
After Hours/Off Timer function	✗	✓
One to more control	✗	✓
Dimensions (WxHxD) (mm)	86x86x18	120x120x20
Indoor Unit Series	2nd & 3rd Generation IDU	

Note: ✓ : equipped as standard. ✗ : without this function

Group Control

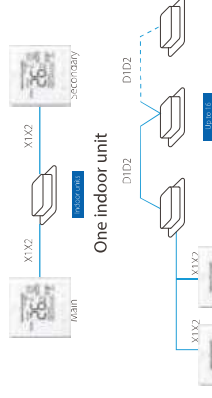
One controller can be used to unify the settings across up to 16 indoor units.



Note: when the 2nd generation AC indoor units connect to group controller WR-C120GRWK, the indoor units need to customize D1/D2 terminals. Group control is not available for 2nd generation AC Wall Mounted Series.

Main or Secondary Controller Setting

Two controllers can be used together with single indoor unit. Operating mode and settings would be set according to the most recent instruction received. The controller display screens are synchronized so that both displays update when a setting is adjusted.



Two or more indoor units

2 Permission Levels

2 permission levels ensure users can easily access control functions and allow administrators convenient access to operating parameters.



Buzzer Sound On/Off

The buzzer sound of the indoor unit can be turned off to create a quieter environment.



Off Timer Function

We can use the wired controller to set an automatic off timer or after hours function for the indoor unit.



Weekly Schedule Timer

The weekly schedule timer allows users to set multiple schedules each with its own operating mode, temperature settings and fan speeds.



Bi-directional Communication

The wired controller can query the system operating parameters thanks to the new bi-directional communication functionality. In addition, settings including static pressure, cold draft prevention and temperature compensation can be configured on the wired controller.



Note: This function is only available for Super X outdoor unit connected to Super XDC indoor unit

Central Controllers



Features

Model	CRF-210A-CM / CRF-210B-CM	CRF-270 C-CM / CRF-270 D-CM
Max. number of indoor units	64	384
Max. number of refrigerant systems	8	48
Touch screen	(7-inch)	(10.1-inch)
On/Off	•	•
Mode selection	•	•
Temperature setting	• (0.5°C steps)	• (0.5°C steps)
7-speed fan control	•	•
Auto swing	•	•
5-step swing power*	•	•
Room temperature display	•	•
Holiday setting	•	•
°C/F display	•	•
Schedule management	•	•
Clock display	•	•
2 permission levels	•	•
Indoor unit type/model recognition	•	•
Indoor unit with capacity larger than 16kW recognition	•	•
Energy management	•	•
Group management	•	•
Error check function	•	•
USB output	x	•
Report display	x	Error report and operation record
Operation log	x	•
LAN access	•	•
Language supported	English, Chinese, Arabic, German, Spanish, Turkish, Portuguese, Korean, Georgian, Vietnamese, Hungarian, Czech, Thai, Finnish, Swedish, Danish, Dutch	English, Chinese, Arabic, Spanish, Turkish, Portuguese, Korean, Russian, Italian, Polish, French, German, Georgian
Dimensions (W×H×D)(mm)	190×106×32	270×183×27
Power supply	12VDC	24V AC
Indoor unit series	2nd & 3rd Generation IDU	

Note:
 • equipped as standard, x without this function

Touch Screen

Colorful touch screen and vivid display make operation more convenient and simple.



Group Management

Units can be viewed according to group, system or location, making unit management clearer and more convenient.



Energy Management

User can set limits on an indoor unit, such as operation temperature range, fan speed, mode, swing command, on/off command, remote controller signal and wired controller signal.



Unit Model Recognition

The controller recognizes the model of indoor and outdoor units and different models are represented by different icons.

Icon	Model	Icon	Model
	Low static pressure and middle static pressure (L, M) duct type (L, M)		Vertical concealed installation/vertical surface mounting (V)
	High static pressure (H) duct type (H)		Four-way Cassette
	Purifier (P) unit (P)		Compact Four-way Cassette (compact)
	Wall mounting (W) unit (W)		Ceiling-floor type (C/F) unit (C/F)
	One-way Cassette (O) unit (O)		Two-way Cassette (T) unit (T)
	One-way Cassette (O) unit (O)		Console (C) unit (C)
	Group control device icon		New CDU (New generation CDU) (N) unit (N)

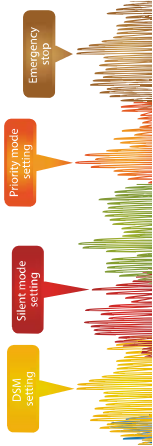
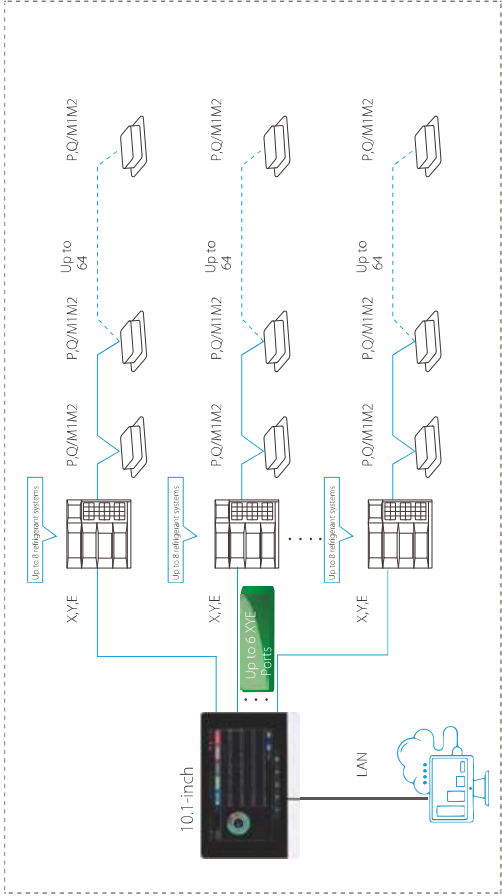
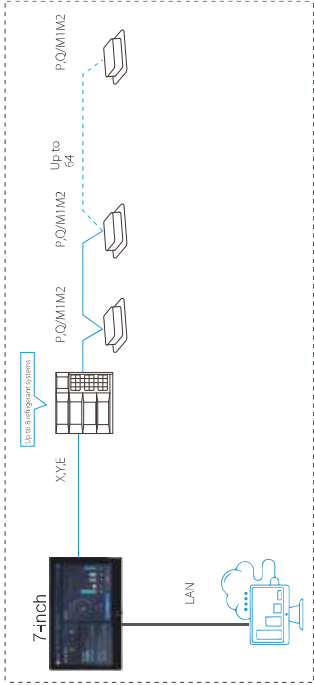
LAN Access

A desktop or laptop PC can be used for browser-based access via a LAN connection.



Wiring Flexibility

The controllers can be connected to the master outdoor unit directly.



Outdoor Unit Configuration

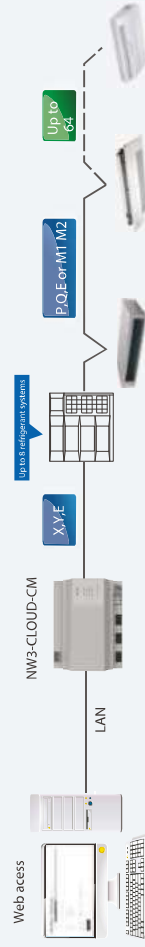
Outdoor unit configuration and settings can be monitored and controlled without having to go outdoors.

Schedule Management

Daily, weekly or annual schedules can be used to set unit settings such as on/off, operating mode, set temperature, fan speed and swing.



Network Control System



Features

Cloud Control		
Software model	EasyComfort	EasyComfort App
Device control	✓	✓
Device monitor	✓	✓
Group control	✓	✓
Schedule management	✓	✓
Group management	✓	✓
Error check function	✓	✓
Operation log	✓	✓
Clock and Weather display	✓	✓
Max. number of gateways per software system	Unlimited	Unlimited

Hardware model	 NW3-CLOUD-CM	
Dimensions (HxWxD) (mm)	154x124x51.5	
Power supply	12V DC	
Max. number of indoor units per gateway	64	
Max. number of refrigerant systems per gateway	8	

Cloud Service Platform

Software model	 Intelligent HVAC Management System	
Project management	✓	
Device management	✓	
ODU and IDU OTA management	✓	
Event management	✓	
Permission management	✓	
Max. number of gateways per software system	Unlimited	

Hardware model	 NW3-CLOUD-CM	
Dimensions (HxWxD) (mm)	154x124x51.5	
Power supply	12V DC	
Max. number of indoor units per gateway	64	
Max. number of refrigerant systems per gateway	8	

Note:
 • equipped as standard: x without this function

BMS Gateway

Monitoring and control of Carrier's VRF air conditioners can be integrated into building management systems, enabling air conditioning to be monitored alongside lighting, power, fire, access and security systems. Carrier's gateway devices provide full compatibility with the leading BMS protocols: BACnet, LonWorks and Modbus.





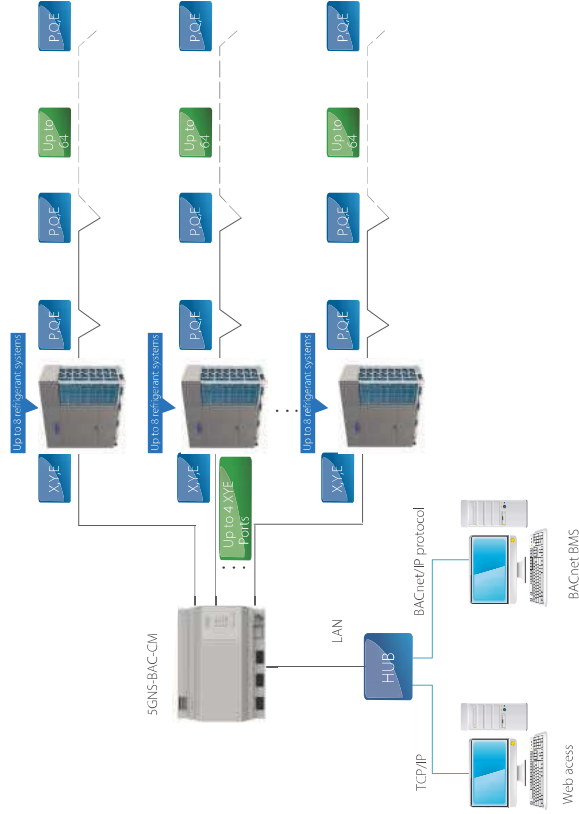
5GNS-BAC-CM / NW3-BAC-CM

Full Integration

The 4GNS-BAC-CM Gateway allows Carrier VRF systems to be monitored and controlled alongside other building management technology that use the BACnet protocol such as access control, fire detection and lighting systems.

Network Flexibility

The gateway can be connected to master outdoor units' X/E ports directly.



Features

Model		5GNS-BAC-CM / NW3-BAC-CM
Max. number of indoor units		192
Max. number of refrigerant systems		24
Control	On / Off	●
	Mode selection	●
	Temperature setting	●
	Fan speed	●
	Energy management	●
Indoor unit monitoring	Room temperature display	●
	Error status	●
	Error alarms	●
	Operating mode	●
	Outdoor ambient temperature	●
Outdoor unit monitoring	Fan speed	●
	Discharge temperature	●
	System pressure	●
	Error status	●
	Error alarms	●
LAN access		●
Dimensions (HxWxD) (mm)		116x190x67
Power supply		24V AC 50/60Hz
Indoor unit series		2nd & 3rd Generation IDU

- With this function
- Without this function

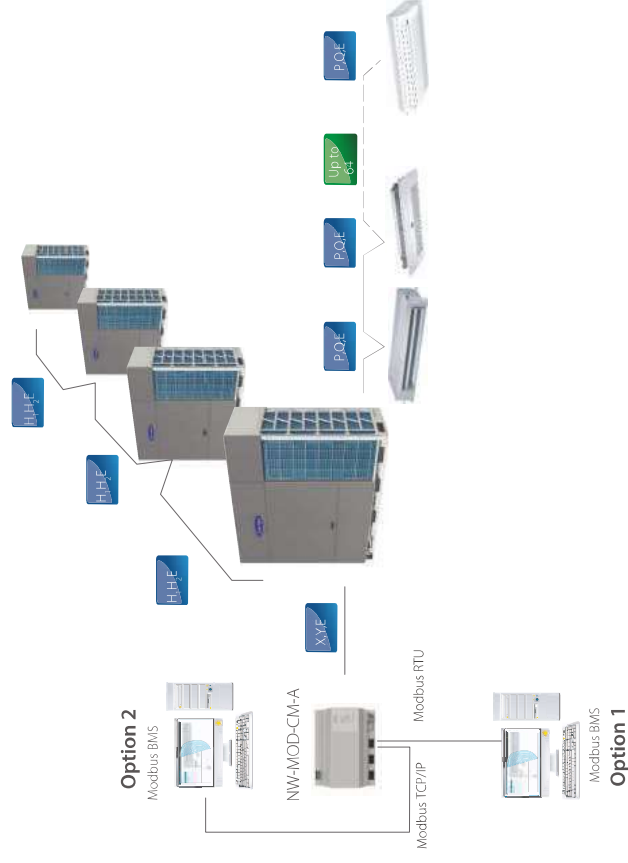
Features

Model	NW-MOD-CM-A\NW3-MOD-CM		
Max. number of indoor units			64
Max. number of outdoor units			4
Max. number of refrigerant systems			1
Control	On / Off		✓
	Mode selection		✓
	Temperature setting		✓
	Fan speed		✓
	Group on/off		✓
	Online status		✓
Indoor unit monitoring	Room temperature		✓
	Error status		✓
	Operating mode		✓
	Operating mode		✓
	Fan speed		✓
Outdoor unit monitoring	Set temperature		✓
	Outdoor ambient temperature		✓
	Error status		✓
LAN access			✓
Dimensions (HxWxD) (mm)			225x128x28
Power supply			12V DC
Indoor unit series			2nd & 3rd Generation IDU

Full Integration

The NW-MOD-CM Gateway enables seamless connection of Carrier VRF systems with building management systems built on the Modbus communication protocol.

Network Flexibility



VRF AHU Control Box

High Efficiency

AHU kit facilitates raising the EER/COP of the complete AHU system.



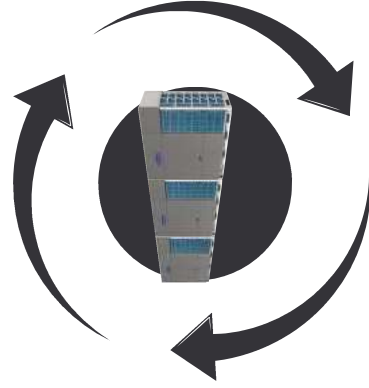
Wide Capacity Range

Four kits can be used in parallel, giving an overall capacity range of 0.8-80HP.

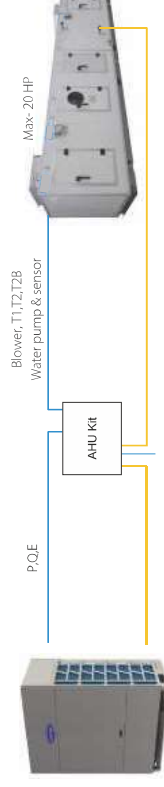


Compatible with All VRF Systems

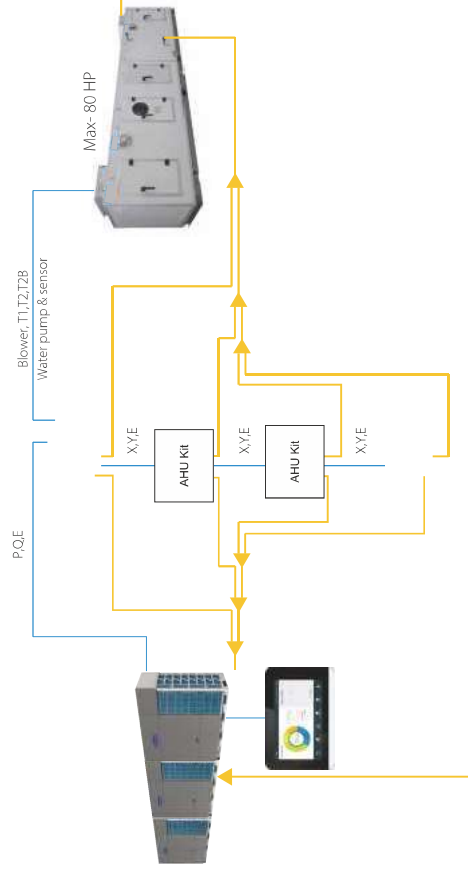
AHU kits are compatible with all Carrier VRF outdoor units and can be used together with all types of Carrier VRF indoor units.



Single AHU Control Box Connection



Multi AHU Control Boxes Connection



Specifications

Kit models	AHUKZ-00F	AHUKZ-01F	AHUKZ-02F	AHUKZ-03F	AHUKZ-04F
Power supply	220-240 V~ 50/60 Hz				
Net weight	6.2	6.2	6.4	6.4	6.6
Gross weight	8.8	8.8	9.0	9.0	9.2
Operating ambient temperature	-25 ~ 52				
AHU heat exchanger air inlet temperature (DB)	17 ~ 43				
	Cooling				
	Heating				
Refrigerant type	R410A				

Carrier Xpower Cooling Only Series Engineering Data Book

Table 3-4.9: Indoor branch joint dimensions (unit: mm) (continued)

Model	Gas side joints	Liquid side joints
BJF-E2690-CW(I)		

Table 3-4.10: Outdoor branch joint dimensions combined units (unit: mm)

No. of outdoor units	Model	Gas side joints	Liquid side joints
2	BIC-02E-CM(I)		
3	BIC-03E-CM(I)		

Model	Gas side joints	Liquid side joints
BJF-224-IM		
BJF-330-IM		
BJF-710-IM		
BJF-1344-IM		
BJF-E1344-IM		
BJF-E1500-IM		

