Super XS(C) Series Cooling Only

Perfect for commercial and residential applications

- Capacity Up to 60kBtu/h
- Connectable Indoor Units Quantity up to 9
- Refrigerant Cooling PCB
- All Flare Connections, The Easiest VRF to Install
- Advanced Silent Technology
- Modbus Function

Mini VRF Outdoor Unit

kW	Btu/h	Super XS(C)	
Power supply		220-240V 1Ph 50(60)Hz	
Image			
8	28K	●	
10	36K	●	
12	42K	●	
14	48K		●
16	56K		●
17.5	60K		●

Outdoor Unit Functions

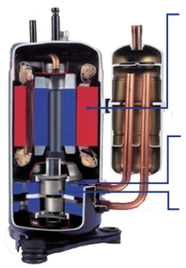
Function		Super XS(C)
High Efficiency	Full inverter compressors	●
	Full DC fan motors	●
High Reliability	Heavy Anti - corrosion protection	○
	Refrigerant cooling PCB	●
	Auto dust-clean function	●
Enhanced Comfort	Intelligent defrosting technology	×
	Silent mode	●
	Multiple priority modes	●
Easy Installation and Service	Auto addressing	●
	Long piping length	●
	All flare connections	●
	Saving more installation space	●
	Easy transportation	●
	Modbus function	●



HIGH EFFICIENCY, HIGH RELIABILITY

DC Inverter Compressor

DC inverter compressors make the output of the outdoor unit to be modulated by the cooling or heating demands of the zone that it controls. This advanced system ensures precise temperature regulation and highly efficient energy usage, making a significant contribution to the environment.



DC Compressor (Twin Rotary)

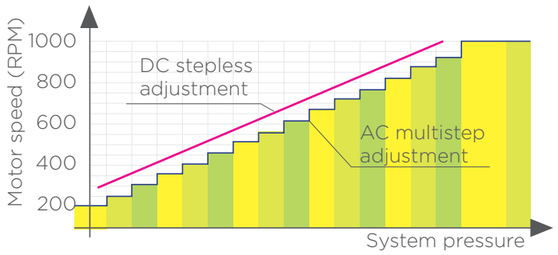
Highly Efficient DC Motor:
- Creative motor core design
- High density neodymium magnet
- Concentrated type stator
-Wider operating frequency range

Better Balance and Extremely Low Vibration:
- Twin eccentric cams
- 2 balance weights

Highly Stable Moving Parts:
- Optimal material matching rollers and vanes
-Optimize compressor drive technology
- Highly robust bearings
-Compact structure

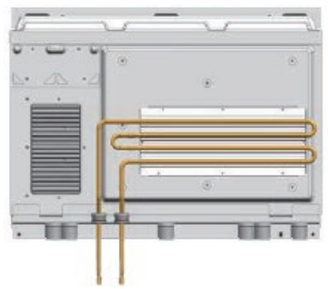
DC Fan Motor

DC fan motor features in DC stepless adjustment ,maintaining system with the minimum power consumption, which offer you best comfort and less cost.



Refrigerant Cooling PCB

The unit uses refrigerant cooling technology to cool the electric control box. It decreases the average temperature of electrical control components by about 8 degrees, guaranteeing the stable and safe running of the control system.



Multiple Protection Function

Multiple protection function, such as temperature protection, current protection, pressure protection, compressor overload protection, etc., ensuring the system consistently safe and reliable operation.

Temperature protection

Current protection

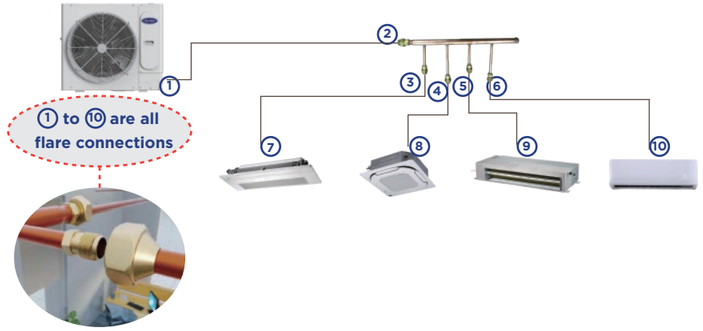
Pressure protection

Compressor overload protection

EASY INSTALLITON, EASY SERVICE

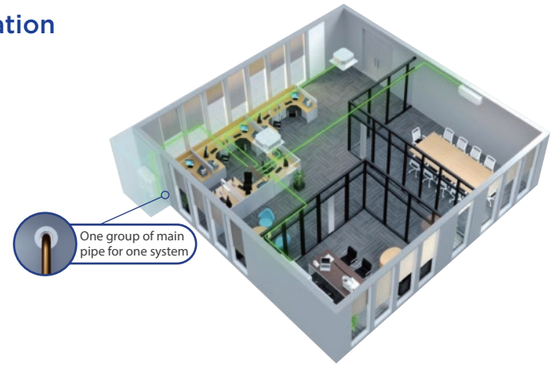
All Flare Connections, The Easiest VRF to Install

VRF system uses all flare connection which can greatly simplify installation. The multiple branch header with 1 to 2, 3, 4,5 or 6 options further simplify installation.



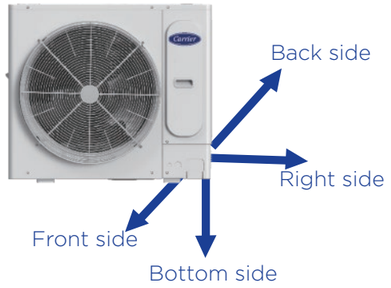
Less Required Space for VRF Installation

There's only one pipe for Atom VRF to connect indoor and outdoor units, which not only includes less special pipe and punching needs, but also reduces pipes space. In this way, there would be less occupied space for VRF installation.



Four-Way Piping Connection

A four-direction space is available for connecting pipes and wiring in various installation sites.



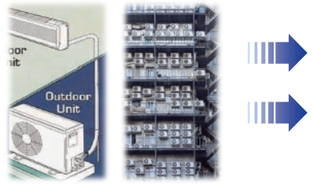
Auto Addressing

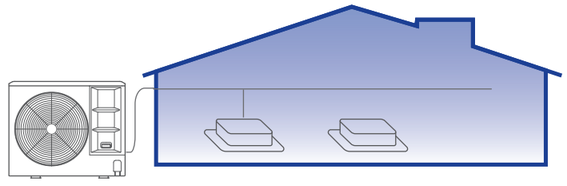
Outdoor units can distribute addresses to indoor units automatically. Remote and wired controllers can be used to query or modify each indoor unit's address.



Space Saving

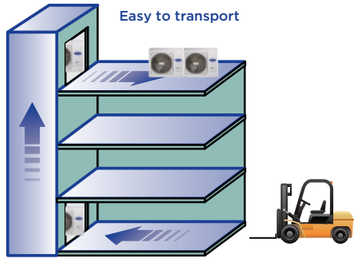
One VRF outdoor unit can connect 1 to 9 indoor units, which greatly saves the installation space of outdoor units and retains buildings' original aesthetics. compared to the traditional split AC. It is very suitable for use in residential and light commercial scenarios, such as villas, restaurants, small and medium-sized supermarkets, etc.





Easy Transportation

Super XS(C) Series VRF can be transported by elevator which makes installation dramatically easy, and effectively reduces time and labor thanks to the small size.



WIDE APPLIACATION RANGE

Wide Capacity Range

Super XS(C)'s capacity is from 28kBtu/h to 60kBtu/h. The wide capacity range adapt to more conditions. It can help to freeing up considerable space outside by less number of outdoor units.



28/36/42kBtu/h



48/56/60kBtu/h

1 to 9 Indoor Units Connection

A single outdoor unit supports 1 to 9 indoor units, freeing up considerable space outside. Use your backyard more wisely with much more space available created by less number of outdoor units



Wide Range of Indoor Units

3rd Gen Indoor units including Four-way cassette, Compact Four-way cassette, Wall mounted and Duct. The capacity is from 5kBtu/h to 48kBtu/h. Multiple types of indoor units to meet varied indoor requirements.



Four-way cassette



Compact Four-way cassette



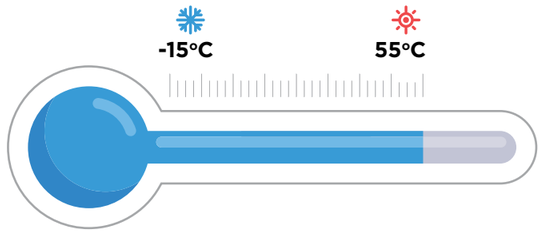
Duct



Wall mounted

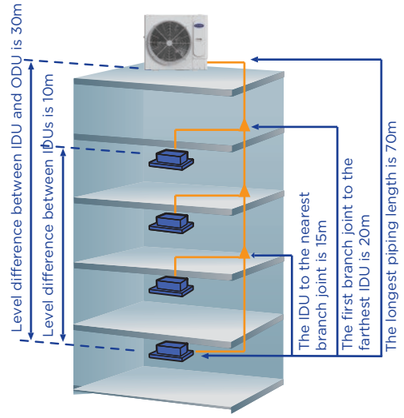
Wide Operation Range

The VRF system operates stably under extreme conditions, ranging from minus -15°C to 55°C.



Long Piping Length

The Super XS(C) series Mini VRF provides a total piping length possibility of 130m, a maximum height difference between outdoor and indoor units of 30m. The height difference between indoor units can be up to 10m. These generous allowances facilitate an extensive array of system designs.



	Permitted value(m)		28/36kBtu/h	42kBtu/h	48/56/60kBtu/h
Pipe Length	Total Pipe Length(Actual)		70	90	130
	Longest Piping	Actual Length	35	45	60
		Equivalent Length	40	50	70
	Pipe Length (furthest IDU to the first branch)		20	20	20
	Pipe Length (IDU to the nearest branch)		15	15	15
Level Difference	Level difference between IDU-ODU	Outdoor Unit Up	10	20	30
		Outdoor Unit Down	10	20	20
	Level difference between IDU-IDU		10	10	10

ENHANCED COMFORT

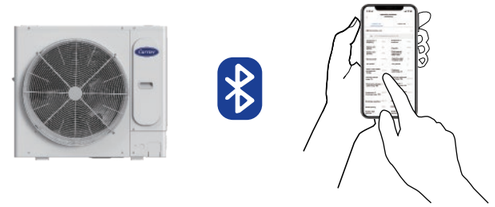
Advanced Silent Technology

5-step silent mode plus night silent mode provide more freedom and convenience to match the customer needs.



Smart Commissioning/Maintenance Tool

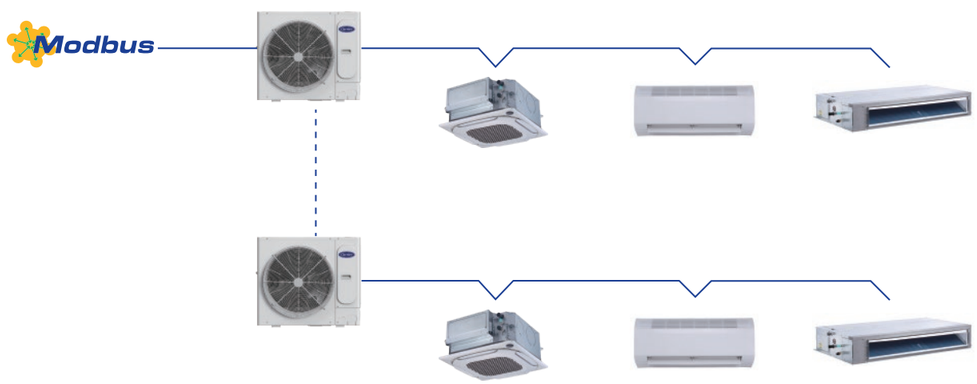
With the newly developed smart Bluetooth after-sales kit, system settings, operating parameter queries, trial runs and programme upgrades are all possible without opening the cabinet.



Note: This function is being upgraded.

Modbus Function

The ODU can be directly connected to the third-party control system via Modbus port to realize the functions of obtaining the operation status of the IDU (on/off, with or without fault, online or offline), the operation status of the ODU(on/off, with or without fault), and the setting of the IDU (on/off, mode, air flow, and temperature), and so on.

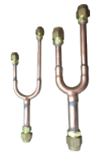
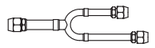
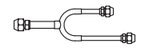
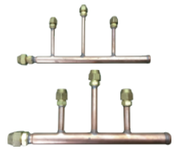
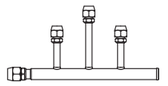
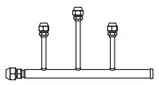
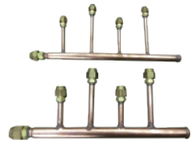
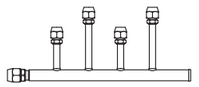
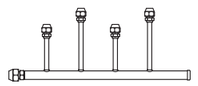
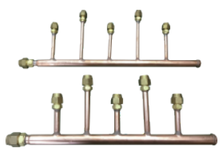
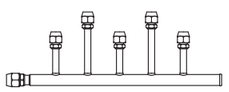
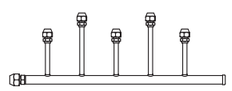


Super XS(C) Series – Cooling Only

Model			38VR003C112016	38VR0S4C112016	38VR004C112016
Power supply			220-240V~ 50/60Hz		
Connected indoor unit	Capacity	kW	8	10	12
		kBtu/h	27	34	41
	Input	kW	2.00	2.55	3.10
	EER		4.00	3.92	3.87
Connected indoor unit	Total capacity		50%-130% of ODU capacity		
	Maximum quantity		4	6	7
Compressor	Type		DC inverter		
	Quantity		1		
Fan	Type		DC		
	Quantity		1		
Refrigerant	Type		R410A		
	Factory charge	kg	1.33	1.56	1.85
Pipe connections[3]	Gas pipe	mm	15.9	15.9	15.9
	Liquid pipe	mm	9.53	9.53	9.53
Sound pressure level		dB(A)	51	52	54
Outdoor Unit	Dimension(W x H x D)	mm	910 x 712 x 345	910 x 712 x 345	910 x 712 x 345
	Packing (W x H x D)	mm	1045 x 800 x 485	1045 x 800 x 485	1045 x 800 x 485
	Net/Gross weight	kg	45.5/51.5	48.5/52.5	51.0/55.0
Ambient temp. operation range	Cooling (DB)	°C	-15-55		

Model			38VR005C112016	38VR006C112016	38VR0S7C112016
Power supply			220-240V~ 50/60Hz		
Connected indoor unit	Capacity	kW	14	16	17.5
		kBtu/h	47	54	59
	Input	kW	3.88	4.80	5.20
	EER		3.61	3.33	3.37
Connected indoor unit	Total capacity		50%-130% of ODU capacity		
	Maximum quantity		8	9	9
Compressor	Type		DC inverter		
	Quantity		1		
Fan	Type		DC		
	Quantity		1		
Refrigerant	Type		R410A		
	Factory charge	kg	2.35	2.45	2.85
Pipe connections[3]	Gas pipe	mm	15.9	15.9	15.9
	Liquid pipe	mm	9.53	9.53	9.53
Sound pressure level		dB(A)	56	56	57
Outdoor Unit	Dimension(W x H x D)	mm	950 x 840 x 360	950 x 840 x 360	950 x 840 x 360
	Packing (W x H x D)	mm	1025 x 860 x 510	1025 x 860 x 510	1025 x 860 x 510
	Net/Gross weight	kg	63.0/74.5	69.0/80.5	70.0/81.5
Ambient temp. operation range	Cooling (DB)	°C	-15-55		

BRANCH HEADER

	Appearance	Gas side joints (Φ15.9→Φ12.7)	Liquid side joints (Φ9.52→Φ6.35)
1 to 2 branch header			
1 to 3 branch header			
1 to 4 branch header			
1 to 5 branch header			
1 to 6 branch header	