



# Super VX/VXi SERIES VRF

**TOTALINE**



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## OUTDOOR UNITS

XPower Super VXi  
XPower Super VX





# OUTDOOR UNIT LINEUP

(Super VXi)



8 / 10 / 12 / 14HP  
with single fan



16 / 18 / 20HP  
with single fan







22 / 24HP  
with dual fans







26 / 28 / 30 / 32 / 34HP  
with dual fans



# OUTDOOR UNIT LINEUP

HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34
Appearance	 (with single fan)				 (with single fan)		 (with dual fans)		 (with dual fans)					
8	●													
10		●												
12			●											
14				●										
16					●									
18						●								
20							●							
22								●						
24									●					
26										●				
28											●			
30												●		
32													●	
34														●
36			●						●					
38				●					●					
40					●				●					
42						●			●					
44							●●							
46								●	●					
48									●●					
50									●	●				
52									●		●			
54									●			●		

# (Super VX)

HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34
Appearance	 (with single fan)				 (with single fan)		 (with dual fans)		 (with dual fans)					
56											●●	●		
58											●	●		
60												●●		
62												●	●	
64												●		●
66													●	●
68														●●
70			●						●					●
72				●					●					●
74					●				●					●
76						●			●					●
78							●●							●
80								●	●					●
82									●●					●
84									●	●				●
86									●		●			●
88									●			●		●
90										●●				●
92										●	●			●
94											●●			●
96											●	●		●
98											●			●●
100												●		●●
102														●●●

# INDOOR UNIT LINEUP

kW		1.8	2.2	2.8	3.6	4.5	5.6	7.1
Btu/h		5k	7k	9k	12k	15k	19k	24k
One-way Cassette		●	●	●	●	●	●	●
Two-way Cassette			●	●	●	●	●	●
Compact Four-way Cassette			●	●	●	●		
Four-way Cassette				●	●	●	●	●
Medium Static Pressure Duct			●	●	●	●	●	●
High Static Pressure Duct								●
Fresh Air Processing Unit								
Wall Mounted Unit			●	●	●	●	●	●
Ceiling / Floor Unit					●	●	●	●
Floor Standing Unit			●	●	●	●	●	●
Console			●	●	●	●		
AHU Control Box								

8.0	9.0	10.0	11.2	12.5	14.0	16.0	20.0	25.0	28.0	40.0*	45.0*	56.0*
27k	30k	34k	38k	42k	48k	55k	68k	85k	96k	136k	154k	191k
●	●	●	●		●							
●	●		●		●							
●	●		●		●	●	●	●	●	●	●	●
				●	●		●	●	●			
●	●											
●	●		●		●							
●												
	●	●	●	●	●	●	●	●	●	●	●	●





# Super VX/VXi SERIES VRF

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Easy Installation  
and Service



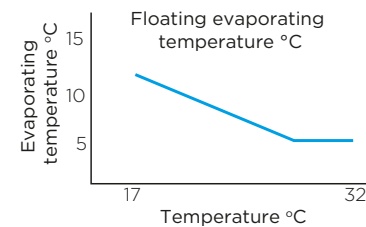


# 3 Unique Innovations

## Energy Management System (EMS)

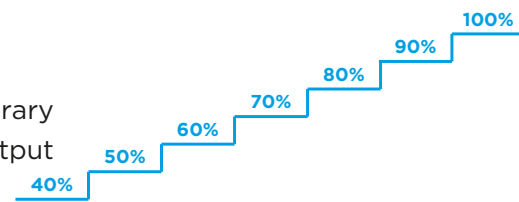
- **Floating refrigerant temperature to balance comfort and efficiency**

The evaporating temperature (in cooling) and condensing temperature (in heating) are automatically adjusted according to both indoor and outdoor temperature to maximize the comfort and energy efficiency.



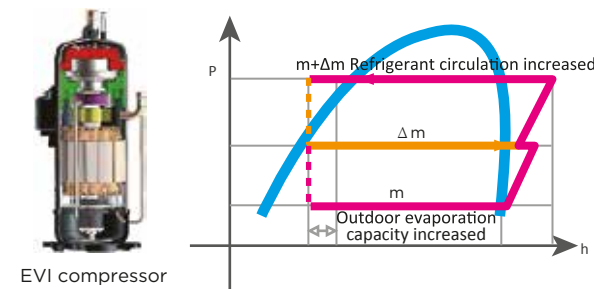
- **Output limitation during electricity supply restrictions**

With the integration of EMS, for projects with temporary electricity supply restrictions, Super VX can be set to output 40-100% capacity.



## Enhanced Vapor Injection (EVI) Compressor

Thanks to the vapor injection DC inverter compressor, the Super VX VRF can run heating mode stably down to -25°C, and the heating capacity can be improved greatly.



## Triple Configurations

Triple (local/remote/network) configurations greatly simplified installation, commissioning and servicing.

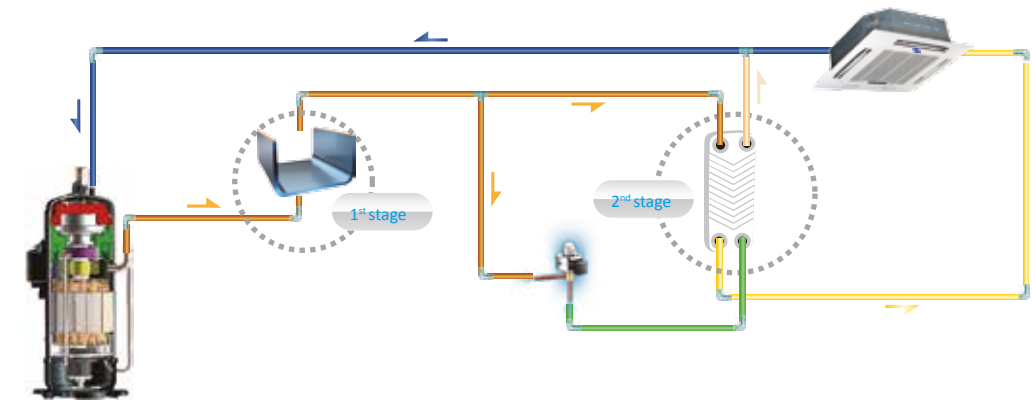
- Field local configuration achieves quick and easy on-site settings, simplifies installation and commissioning.
- System checking and settings also can be easily achieved via wired and centralized controller, making the configuration more flexible and convenient.
- A desktop or laptop PC can be used for browser-based access to achieve system configurations through IMM Pro gateway via a LAN connection.



# High Efficiency

## Plate Heat Exchanger (PHE) Subcooling

Plate Heat Exchanger as a secondary intercooler boosts up refrigerant subcooling and improves 10% energy efficiency.



## High Efficiency G-Type Heat Exchanger

26-34HP units use a high efficiency 3-row G-type heat exchanger with a heat exchange area 1.5 times that of the 22HP unit. The 26-34HP units also use super big size fan which diameter is up to 750mm.



3-rows G-type heat exchanger

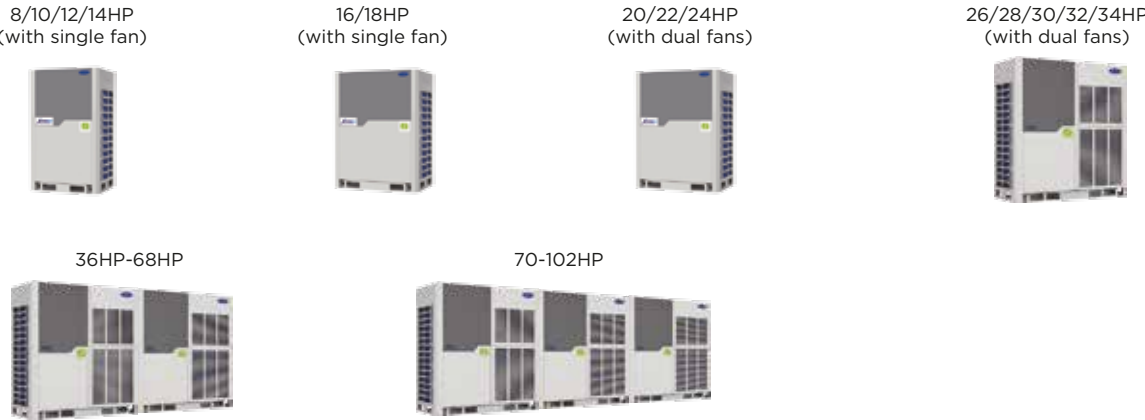


Super big size fan

# Wide Application Range

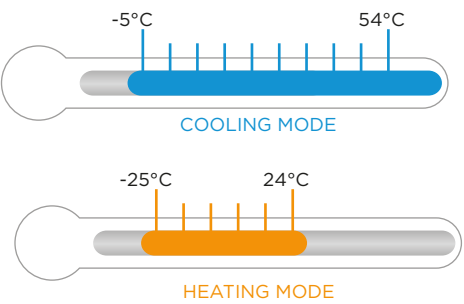
## Wide Capacity Range

Starting at 8HP, capacity increases in 2HP increments up to 102HP, which is the world's largest single-system VRF capacity.(Super VX series)



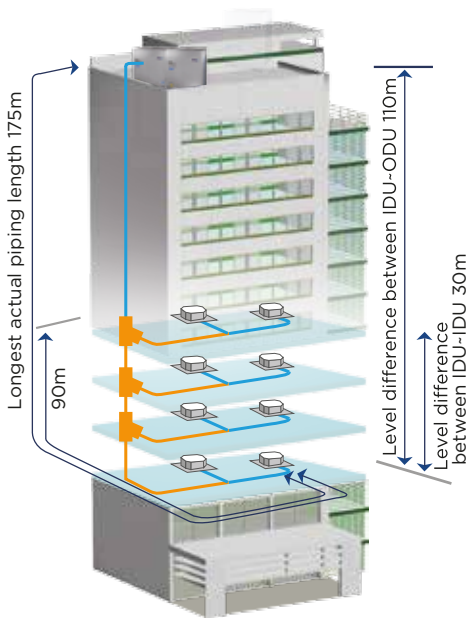
## Wide Operation Range

The Super VX VRF can operate stably in a wide ambient temperature range: from -5°C to 54°C in cooling mode and from -25°C to 24°C in heating mode.



## Long Piping Capability

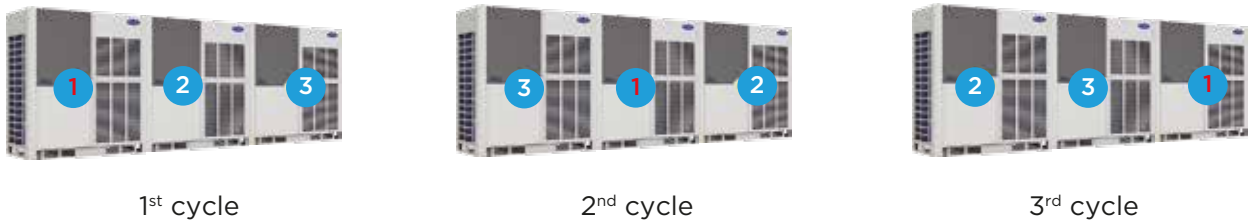
- Total piping length: 1000m
- Longest piping length - actual (equivalent): 175m (200m)
- Longest piping length after first branch: 90m
- Level difference between IDUs and ODU - ODU above (below): 90m (110m)
- Level difference between IDUs: 30m



# High Reliability

## Duty Cycling

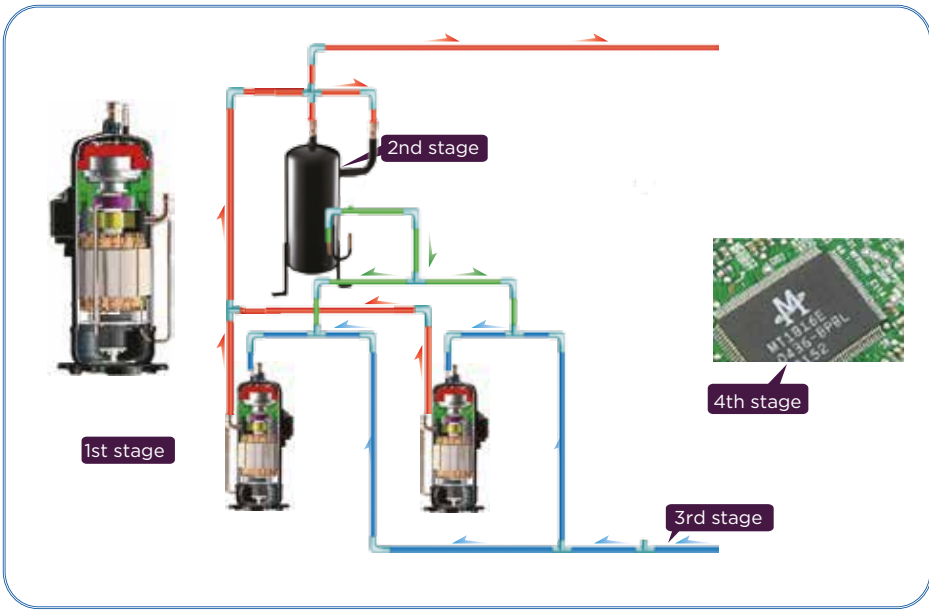
Duty cycling equalizes the running time of the outdoor units in a multiple-unit system and of the compressors in each unit, significantly extending compressor lifespan.(Super VX series)



## Precise Oil Control Technology

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

- Compressor internal oil separation.
- 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.
- Oil balance pipes between compressors ensure even oil distribution to keep compressors running normally.
- Auto oil return program monitors the running time and system status to ensure reliable oil return.

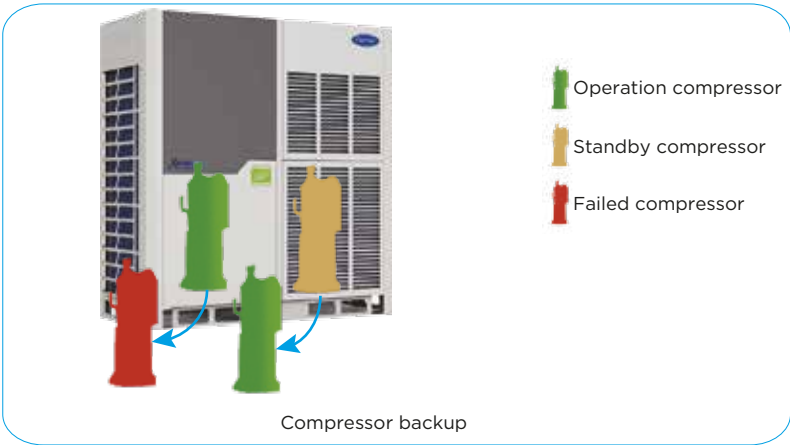




# High Reliability

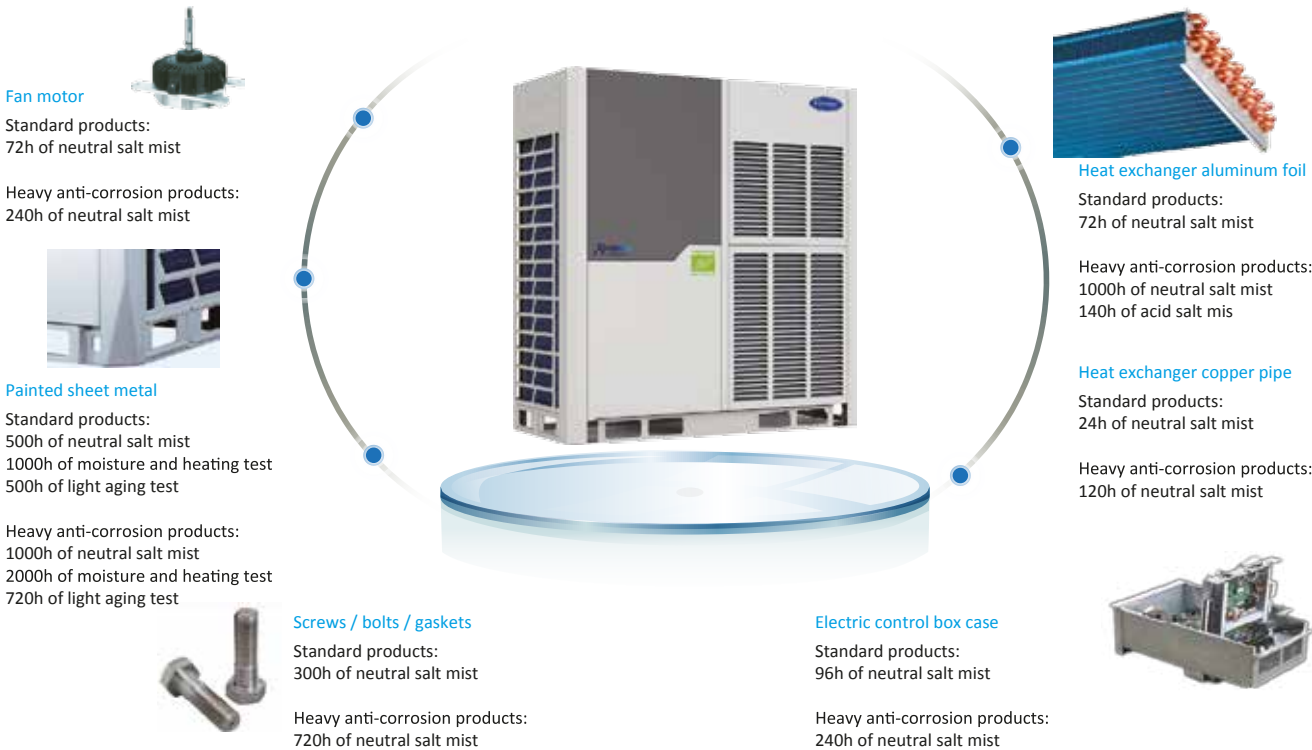
## Backup Operation

In units with two compressors, if one compressor fails, the other compressor can run on its own for up to 4 days, allowing time for maintenance or repair whilst maintaining comfort.



## Anti-corrosion Protection

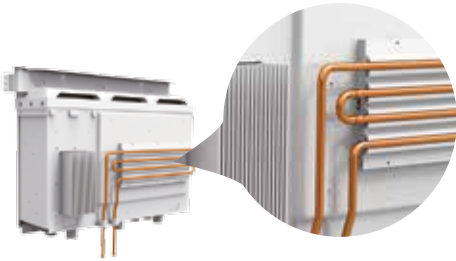
Outdoor units are given anti-corrosion treatment for non-extreme conditions as standard and can also be customized with heavy anti-corrosion treatment on main components for surface protection against corrosive air, acid rain and saline air (for installations in coastal regions) to extend overall useful 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.



# High Reliability

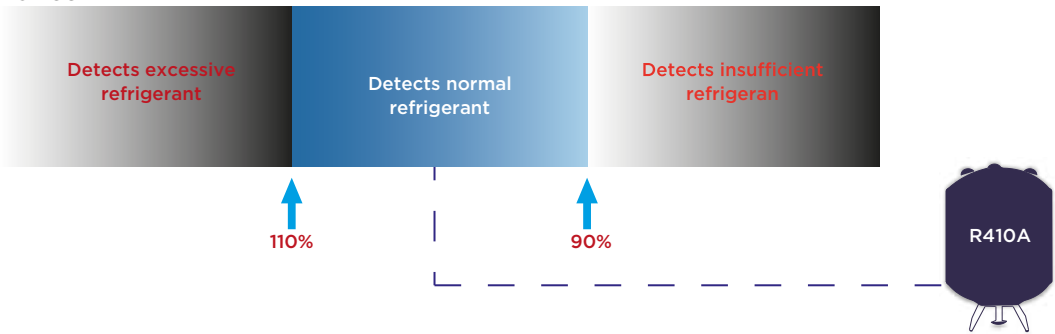
## Refrigerant Cooling PCB

The Super VX VRF 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.



## Real-time Refrigerant Amount Monitoring

The temperature and pressure of refrigerant can be real-time monitored by the outdoor unit. When the level of refrigerant is too low or too high, this can cause damage to the unit and poor performance. Super VX outdoor unit can detect excessive or insufficient amounts of refrigerant, to ensure consistent performance.



## Auto Snow-blowing Function\*

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

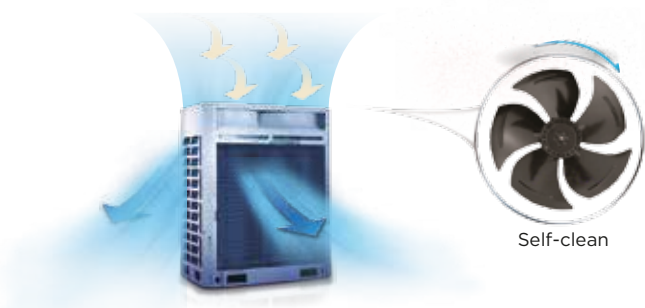
\*This function is available as a customization option.



## Dust-clean function\*

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

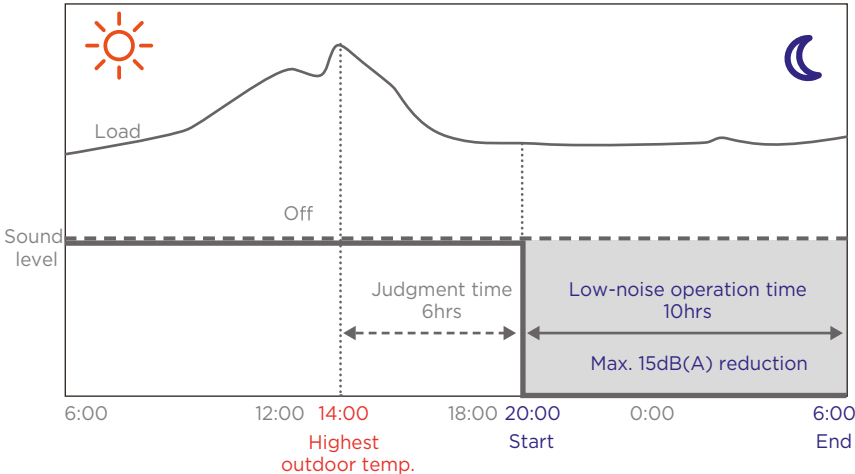
\*This function is available as a customization option.



# Enhanced Comfort

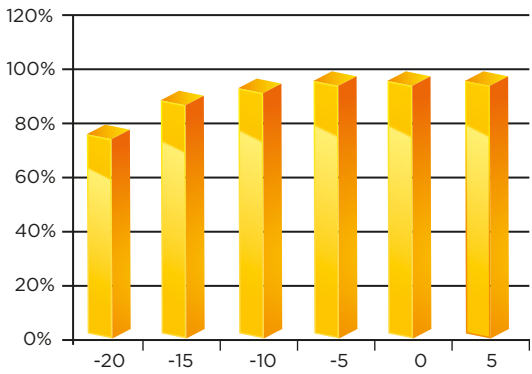
## Night Silent Mode

The night silent mode feature, which is easily configured on the outdoor unit's PCB, includes various scheduling options that can be used to reduce noise levels at times when low noise operation is required.



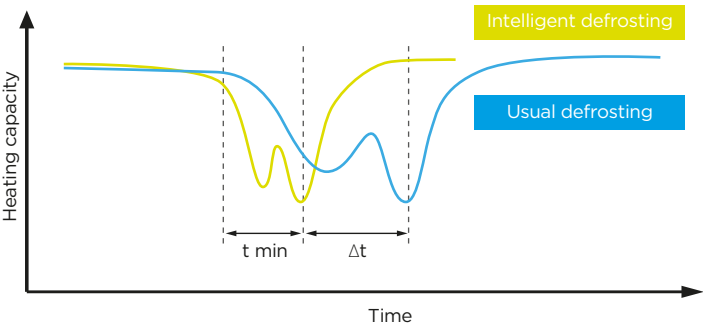
## Enhanced Heating Capacity

Heating capacity is 100% of rated capacity at ambient temperatures as low as -5°C and 90% of rated capacity at -15°C.



## Intelligent Defrosting Technology

The intelligent defrosting program calculates the time required for defrosting according to the actual system status, eliminating heat losses from unnecessary defrosting. A specialized defrosting valve reduces time required for defrosting to as little as four minutes.

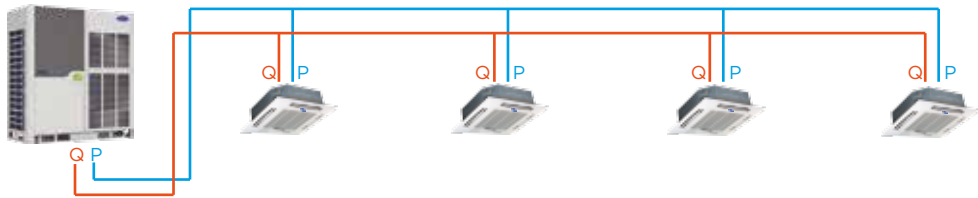


# Easy Installation and Service

## Non-polarized Communication Wiring\*

Only one chain of 2-core non-polarized shielded communication wiring required for indoor and outdoor unit communication.

\*In installations where relatively strong electromagnetic fields are present, 3-core shielded wiring should be used in order to prevent interference.



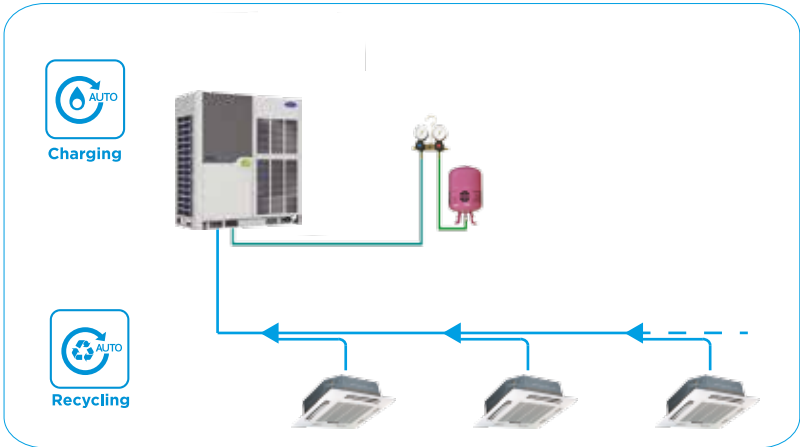
## Auto Addressing

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.

## Automatic Refrigerant Charging/Recycling Function\*

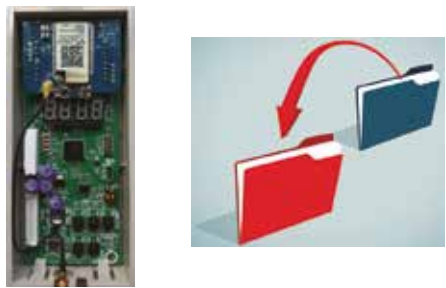
Automatic refrigerant charging and recycling make installation and service easier and more efficient.

\*This function is available as a customization option.



## Optional Multifunctional PCB

An optional multifunctional small PCB can be installed on the unit's side columns, enabling installation and service engineers to activate Auto-commissioning or check the operating status without removing the front panel. It can also perform automatic data backup of the last 30 minutes' operating record.





Specifications (Super VXi)



HP			8	10	12	14
Model name			38VF008H1190Xi	38VF010H1190Xi	38VF012H1190Xi	38VF014H1190Xi
Power supply		V/Ph/Hz	380-415/3/50			
Cooling <sup>1</sup>	Capacity	kW	25.2	28.0	33.5	40.0
		kBtu/h	86.0	95.5	114.3	136.5
Heating <sup>2</sup>	Capacity	kW	27.0	31.5	37.5	45.0
		kBtu/h	92.1	107.5	128.0	153.5
Connected indoor unit	Maximum quantity		13	16	20	23
Compressors	Type	DC inverter				
	Quantity	1				
Fan motors	Motor type	DC				
	Quantity	1				
Refrigerant	Type	R410A				
	Factory charge	kg	11			
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ12.7		Φ15.9	Φ15.9
	Gas pipe	mm	Φ25.4		Φ28.6	Φ31.8
Air flow rate		m <sup>3</sup> /h	11000			
Sound pressure level <sup>4</sup>		dB(A)	58	58	60	60
Net dimensions (W×H×D)		mm	990×1635×790			
Net weight		kg	227			
Ambient temp.	Cooling	°C	-5 ~ 54			
operation range	Heating	°C	-25 ~ 24			



HP			16	18	20
Model name			38VF016H1190Xi	38VF018H1190Xi	38VF020H1190Xi
Power supply		V/Ph/Hz	380-415/3/50		
Cooling <sup>1</sup>	Capacity	kW	45.0	50.0	56.0
		kBtu/h	153.5	170.6	191.1
Heating <sup>2</sup>	Capacity	kW	50.0	56.0	63.0
		kBtu/h	170.6	191.1	215.0
Connected indoor unit	Maximum quantity		26	29	33
Compressors	Type	DC inverter			
	Quantity	1			
Fan motors	Motor type	DC			
	Quantity	1			
Refrigerant	Type	R410A			
	Factory charge	kg	13		
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ15.9	Φ19.1	Φ19.1
	Gas pipe	mm	Φ31.8	Φ31.8	Φ31.8
Air flow rate		m <sup>3</sup> /h	13000		
Sound pressure level <sup>4</sup>		dB(A)	60	61	62
Net dimensions (W×H×D)		mm	1340x1635x850		
Net weight		kg	277		295
Ambient temp.	Cooling	°C	-5 ~ 54		
operation range	Heating	°C	-25 ~ 24		

- 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.
  - Diameters given are those of the unit's stop valve.
  - 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 (Super VXi)



HP			22	24
Model name			38VF022H1190Xi	38VF024H1190Xi
Power supply		V/Ph/Hz	380-415/3/50	
Cooling <sup>1</sup>	Capacity	kW	61.5	67.0
		kBtu/h	209.8	228.6
Heating <sup>2</sup>	Capacity	kW	69.0	75.0
		kBtu/h	235.4	255.9
Connected indoor unit	Maximum quantity		36	39
Compressors	Type	DC inverter		
	Quantity	2		
Fan motors	Motor type	DC		
	Quantity	2		
Refrigerant	Type	R410A		
	Factory charge	kg	17	
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ19.1	
	Gas pipe	mm	Φ31.8	
Air flow rate		m <sup>3</sup> /h	17000	
Sound pressure level <sup>4</sup>		dB(A)	63	
Net dimensions (W×H×D)		mm	1340x1635x825	
Net weight		kg	344	
Ambient temp.	Cooling	°C	-5 ~ 54	
operation range	Heating	°C	-25 ~ 24	



HP			26	28	30	32	34
Model name			38VF026H1190Xi	38VF028H1190Xi	38VF030H1190Xi	38VF032H1190Xi	38VF034H1190Xi
Power supply		V/Ph/Hz	380-415/3/50				
Cooling <sup>1</sup>	Capacity	kW	73.0	78.5	85.0	90.0	95.0
		kBtu/h	249.1	267.8	290.0	307.1	324.1
Heating <sup>2</sup>	Capacity	kW	81.5	87.5	95.0	100.0	106.0
		kBtu/h	278.1	298.6	324.1	341.2	361.7
Connected indoor unit	Maximum quantity		43	46	50	53	56
Compressors	Type		DC inverter				
	Quantity		2				
Fan motors	Motor type		DC				
	Quantity		2				
Refrigerant	Type		R410A				
	Factory charge	kg	22			25	
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ22.2				
	Gas pipe	mm	Φ31.8		Φ38.1		
Air flow rate		m <sup>3</sup> /h	25000			24000	
Sound pressure level <sup>4</sup>		dB(A)	64				
Net dimensions (W×H×D)		mm	1730x1830x850				
Net weight		kg	407	429		475	
Ambient temp. operation range	Cooling	°C	-5 ~ 54				
	Heating	°C	-25 ~ 24				

- 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.
  - Diameters given are those of the unit's stop valve.
  - 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 (Super VX)



HP			8	10	12	14
Model name			38VF008H11901X	38VF010H11901X	38VF012H11901X	38VF014H11901X
Power supply		V/Ph/Hz	380-415/3/50			
Cooling <sup>1</sup>	Capacity	kW	25.2	28.0	33.5	40.0
		kBtu/h	86.0	95.5	114.3	136.5
Heating <sup>2</sup>	Capacity	kW	27.0	31.5	37.5	45.0
		kBtu/h	92.1	107.5	128.0	153.5
Connected indoor unit	Maximum quantity		13	16	20	23
Compressors	Type		DC inverter			
	Quantity		1			
Fan motors	Type		DC			
	Quantity		1			
Refrigerant	Type		R410A			
	Factory charge	kg	11			
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ12.7		Φ15.9	Φ15.9
	Gas pipe	mm	Φ25.4		Φ28.6	Φ31.8
Air flow rate		m <sup>3</sup> /h	11000			
Sound pressure level <sup>4</sup>		dB(A)	58	58	60	60
Net dimensions (W×H×D)		mm	990×1635×790			
Net weight		kg	227			
Ambient temp.	Cooling	°C	-5 ~ 54			
operation range	Heating	°C	-25 ~ 24			



HP			16		18	
Model name			38VF016H11901X		38VF018H11901X	
Power supply		V/Ph/Hz	380-415/3/50			
Cooling <sup>1</sup>	Capacity	kW	45.0		50.0	
		kBtu/h	153.5		170.6	
Heating <sup>2</sup>	Capacity	kW	50.0		56.0	
		kBtu/h	170.6		191.1	
Connected indoor unit	Maximum quantity		26		29	
Compressors	Type		DC inverter			
	Quantity		1			
Fan motors	Type		DC			
	Quantity		1			
Refrigerant	Type		R410A			
	Factory charge	kg	13			
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ15.9		Φ19.1	
	Gas pipe	mm	Φ31.8		Φ31.8	
Air flow rate		m <sup>3</sup> /h	13000			
Sound pressure level <sup>4</sup>		dB(A)	60		61	
Net dimensions (W×H×D)		mm	1340×1635×850			
Net weight		kg	277			
Ambient temp.	Cooling	°C	-5 ~ 54			
operation range	Heating	°C	-25 ~ 24			

- 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.
  - Diameters given are those of the unit's stop valve.
  - 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 (Super VX)



HP			20	22	24
Model name			38VF020H11901X	38VF022H11901X	38VF024H11901X
Power supply		V/Ph/Hz	380-415/3/50		
Cooling <sup>1</sup>	Capacity	kW	56.0	61.5	67.0
		kBtu/h	191.1	209.8	228.6
Heating <sup>2</sup>	Capacity	kW	63.0	69.0	75.0
		kBtu/h	215.0	235.4	255.9
Connected indoor unit	Maximum quantity		33	36	39
Compressors	Type		DC inverter		
	Quantity		2		
Fan motors	Type		DC		
	Quantity		2		
Refrigerant	Type		R410A		
	Factory charge	kg	17		
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ19.1		
	Gas pipe	mm	Φ31.8		
Air flow rate		m <sup>3</sup> /h	17000		
Sound pressure level <sup>4</sup>		dB(A)	62	63	63
Net dimensions (W×H×D)		mm	1340×1635×825		
Net weight		kg	348		
Ambient temp.	Cooling	°C	-5 ~ 54		
operation range	Heating	°C	-25 ~ 24		



HP			26	28	30
Model name			38VF026H11901X	38VF028H11901X	38VF030H11901X
Power supply		V/Ph/Hz	380-415/3/50		
Cooling <sup>1</sup>	Capacity	kW	73.0	78.5	85.0
		kBtu/h	249.1	267.8	290.0
Heating <sup>2</sup>	Capacity	kW	81.5	87.5	95.0
		kBtu/h	278.1	298.6	324.1
Connected indoor unit	Maximum quantity		43	46	50
Compressors	Type		DC inverter		
	Quantity		2		
Fan motors	Type		DC		
	Quantity		2		
Refrigerant	Type		R410A		
	Factory charge	kg	22		
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ22.2		Φ22.2
	Gas pipe	mm	Φ31.8		Φ38.1
Air flow rate		m <sup>3</sup> /h	25000		
Sound pressure level <sup>4</sup>		dB(A)	64		
Net dimensions (W×H×D)		mm	1730×1830×850		
Net weight		kg	430		
Ambient temp.	Cooling	°C	-5 ~ 54		
operation range	Heating	°C	-25 ~ 24		

- 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.
  - Diameters given are those of the unit's stop valve.
  - 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 (Super VX)



HP			32		34	
Model name			38VF032H11901X		38VF034H11901X	
Power supply		V/Ph/Hz	380-415/3/50			
Cooling <sup>1</sup>	Capacity	kW	90.0		95.0	
		kBtu/h	307.1		324.1	
Heating <sup>2</sup>	Capacity	kW	100.0		106.0	
		kBtu/h	341.2		361.7	
Connected indoor unit	Maximum quantity		53		56	
Compressors	Type		DC inverter			
	Quantity		2			
Fan motors	Type		DC			
	Quantity		2			
Refrigerant	Type		R410A			
	Factory charge	kg	25			
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ22.2			
	Gas pipe	mm	Φ38.1			
Air flow rate		m <sup>3</sup> /h	24000			
Sound pressure level <sup>4</sup>		dB(A)	64			
Net dimensions (W×H×D)		mm	1730×1830×850			
Net weight		kg	475			
Ambient temp.	Cooling	°C	-5 ~ 54			
operation range	Heating	°C	-25 ~ 24			



HP			36	38	40	42
Model name			38VF036H11901X	38VF038H11901X	38VF040H11901X	38VF042H11901X
Combination type			12HP+24HP	14HP+24HP	16HP+24HP	18HP+24HP
Power supply		V/Ph/Hz	380-415/3/50			
Cooling <sup>1</sup>	Capacity	kW	100.5	107.0	112.0	117.0
		kBtu/h	342.9	365.1	382.1	399.2
Heating <sup>2</sup>	Capacity	kW	112.5	120.0	125.0	131.0
		kBtu/h	383.9	409.4	426.5	447.0
Connected indoor unit	Maximum quantity		59	63	64	
Compressors	Type		DC inverter			
	Quantity		3			
Fan motors	Type		DC			
	Quantity		3			
Refrigerant	Type		R410A			
	Factory charge	kg	11+17		13+17	
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ19.1		Φ38.1	
	Gas pipe	mm	Φ38.1		Φ38.1	
Air flow rate		m <sup>3</sup> /h	28000		30000	
Sound pressure level <sup>4</sup>		dB(A)	65		65	
Net dimensions (W×H×D)		mm	(990×1635×790)+(1340×1635×825)		(1340×1635×850)+(1340×1635×825)	
Net weight		kg	227+348		277+348	
Ambient temp. operation range	Cooling	°C	-5 ~ 54		-5 ~ 54	
	Heating	°C	-25 ~ 24		-25 ~ 24	

- 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. 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 VX Series Engineering Data 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.

Specifications (Super VX)



HP			44	46	48
Model name			38VF044H11901X	38VF046H11901X	38VF048H11901X
Combination type			22HP+22HP	22HP+24HP	24HP+24HP
Power supply		V/Ph/Hz	380-415/3/50		
Cooling <sup>1</sup>	Capacity	kW	123.0	128.5	134.0
		kBtu/h	419.7	438.4	457.2
Heating <sup>2</sup>	Capacity	kW	138.0	144.0	150.0
		kBtu/h	470.9	491.3	511.8
Connected indoor unit	Maximum quantity		64		
Compressors	Type		DC inverter		
	Quantity		4		
Fan motors	Type		DC		
	Quantity		4		
Refrigerant	Type		R410A		
	Factory charge	kg	17×2		
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ19.1		
	Gas pipe	mm	Φ38.1		
Air flow rate		m <sup>3</sup> /h	34000		
Sound pressure level <sup>4</sup>		dB(A)	66		
Net dimensions (W×H×D)		mm	(1340×1635×825)×2		
Net weight		kg	348×2		
Ambient temp.	Cooling	°C	-5 ~ 54		
operation range	Heating	°C	-25 ~ 24		



HP			50	52	54
Model name			38VF050H11901X	38VF052H11901X	38VF054H11901X
Combination type			24HP+26HP	24HP+28HP	24HP+30HP
Power supply		V/Ph/Hz	380-415/3/50		
Cooling <sup>1</sup>	Capacity	kW	140.0	145.5	152.0
		kBtu/h	477.7	496.4	518.6
Heating <sup>2</sup>	Capacity	kW	156.5	162.5	170.0
		kBtu/h	534.0	554.5	580.0
Connected indoor unit	Maximum quantity		64		
Compressors	Type		DC inverter		
	Quantity		4		
Fan motors	Type		DC		
	Quantity		4		
Refrigerant	Type		R410A		
	Factory charge	kg	17+22		
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ19.1		
	Gas pipe	mm	Φ38.1		
Air flow rate		m <sup>3</sup> /h	42000		
Sound pressure level <sup>4</sup>		dB(A)	66		
Net dimensions (W×H×D)		mm	(1340×1635×825)+(1730×1830×850)		
Net weight		kg	348+430		
Ambient temp.	Cooling	°C	-5 ~ 54		
operation range	Heating	°C	-25 ~ 24		

- 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. 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 VX Series Engineering Data 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.

Specifications (Super VX)



HP			56	58	60	62
Model name			38VF056H11901X	38VF058H11901X	38VF060H11901X	38VF062H11901X
Combination type			28HP+28HP	28HP+30HP	30HP+30HP	30HP+32HP
Power supply		V/Ph/Hz	380-415/3/50			
Cooling <sup>1</sup>	Capacity	kW	157.0	163.5	170.0	175.0
		kBtu/h	535.7	557.9	580.0	597.1
Heating <sup>2</sup>	Capacity	kW	175.0	182.5	190.0	195.0
		kBtu/h	597.1	622.7	648.3	665.3
Connected indoor unit	Maximum quantity		64			
Compressors	Type		DC inverter			
	Quantity		4			
Fan motors	Type		DC			
	Quantity		4			
Refrigerant	Type		R410A			
	Factory charge	kg	22×2			22+25
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ19.1			
	Gas pipe	mm	Φ41.3			
Air flow rate		m <sup>3</sup> /h	50000			49000
Sound pressure level <sup>4</sup>		dB(A)	67			
Net dimensions (W×H×D)		mm	(1730×1830×850)×2			
Net weight		kg	430×2			430+475
Ambient temp.	Cooling	°C	-5 ~ 54			
operation range	Heating	°C	-25 ~ 24			



HP			64		66		68	
Model name			38VF064H11901X		38VF066H11901X		38VF068H11901X	
Combination type			30HP+34HP		32HP+34HP		34HP+34HP	
Power supply		V/Ph/Hz	380-415/3/50					
Cooling <sup>1</sup>	Capacity	kW	180.0		185.0		190.0	
		kBtu/h	614.2		631.2		648.3	
Heating <sup>2</sup>	Capacity	kW	201.0		206.0		212.0	
		kBtu/h	685.8		702.9		723.3	
Connected indoor unit	Maximum quantity		64					
Compressors	Type		DC inverter					
	Quantity		4					
Fan motors	Type		DC					
	Quantity		4					
Refrigerant	Type		R410A					
	Factory charge	kg	22+25		25×2			
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ19.1				Φ22.2	
	Gas pipe	mm	Φ41.3				Φ44.5	
Air flow rate		m <sup>3</sup> /h	49000		48000			
Sound pressure level <sup>4</sup>		dB(A)	67					
Net dimensions (W×H×D)		mm	(1730×1830×850)×2					
Net weight		kg	430+475		475×2			
Ambient temp. operation range	Cooling	°C	-5 ~ 54					
	Heating	°C	-25 ~ 24					

- 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.
  - 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 VX Series Engineering Data 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.

Specifications (Super VX)



HP			70	72
Model name			38VF070H11901X	38VF072H11901X
Combination type			12HP+24HP+34HP	14HP+24HP+34HP
Power supply		V/Ph/Hz	380-415/3/50	
Cooling <sup>1</sup>	Capacity	kW	195.5	202.0
		kBtu/h	667.0	689.2
Heating <sup>2</sup>	Capacity	kW	218.5	226.0
		kBtu/h	745.5	771.1
Connected indoor unit	Maximum quantity		64	
Compressors	Type		DC inverter	
	Quantity		5	
Fan motors	Type		DC	
	Quantity		5	
Refrigerant	Type		R410A	
	Factory charge	kg	11+17+25	
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ22.2	
	Gas pipe	mm	Φ44.5	
Air flow rate		m <sup>3</sup> /h	52000	
Sound pressure level <sup>4</sup>		dB(A)	68	
Net dimensions (W×H×D)		mm	(990×1635×790)+(1340×1635×825)+(1730×1830×850)	
Net weight		kg	227+348+475	
Ambient temp.	Cooling	°C	-5 ~ 54	
operation range	Heating	°C	-25 ~ 24	



HP			74	76
Model name			38VF074H11901X	38VF076H11901X
Combination type			16HP+24HP+34HP	18HP+24HP+34HP
Power supply		V/Ph/Hz	380-415/3/50	
Cooling <sup>1</sup>	Capacity	kW	207.0	212.0
		kBtu/h	706.3	723.3
Heating <sup>2</sup>	Capacity	kW	231.0	237.0
		kBtu/h	788.2	808.6
Connected indoor unit	Maximum quantity		64	
Compressors	Type		DC inverter	
	Quantity		5	
Fan motors	Type		DC	
	Quantity		5	
Refrigerant	Type		R410A	
	Factory charge	kg	13+17+25	
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ22.2	
	Gas pipe	mm	Φ44.5	
Air flow rate		m <sup>3</sup> /h	54000	
Sound pressure level <sup>4</sup>		dB(A)	68	
Net dimensions (W×H×D)		mm	(1340×1635×850)+(1340×1635×825)+(1730×1830×850)	
Net weight		kg	277+348+475	
Ambient temp.	Cooling	°C	-5 ~ 54	
operation range	Heating	°C	-23 ~ 24	

- 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.
  - 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 VX Series Engineering Data 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.



Specifications (Super VX)



HP			78	80	82
Model name			38VF078H11901X	38VF080H11901X	38VF082H11901X
Combination type			22HP+22HP+34HP	22HP+24HP+34HP	24HP+24HP+34HP
Power supply		V/Ph/Hz	380-415/3/50		
Cooling <sup>1</sup>	Capacity	kW	218.0	223.5	229.0
		kBtu/h	743.8	762.6	781.3
Heating <sup>2</sup>	Capacity	kW	244.0	250.0	256.0
		kBtu/h	832.5	853.0	873.5
Connected indoor unit	Maximum quantity		64		
Compressors	Type		DC inverter		
	Quantity		6		
Fan motors	Type		DC		
	Quantity		6		
Refrigerant	Type		R410A		
	Factory charge	kg	17×2+25		
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ22.2		
	Gas pipe	mm	Φ44.5		
Air flow rate		m <sup>3</sup> /h	58000		
Sound pressure level <sup>4</sup>		dB(A)	69		
Net dimensions (W×H×D)		mm	(1340×1635×825)×2+{(1730×1830×850)}		
Net weight		kg	352×2+480		
Ambient temp.	Cooling	°C	-5 ~ 54		
operation range	Heating	°C	-25 ~ 24		



HP			84	86	88
Model name			38VF084H11901X	38VF086H11901X	38VF088H11901X
Combination type			24HP+26HP+34HP	24HP+28HP+34HP	24HP+30HP+34HP
Power supply		V/Ph/Hz	380-415/3/50		
Cooling <sup>1</sup>	Capacity	kW	235.0	240.5	247.0
		kBtu/h	801.8	820.6	842.8
Heating <sup>2</sup>	Capacity	kW	262.5	268.5	276.0
		kBtu/h	895.7	916.1	941.7
Connected indoor unit	Maximum quantity		64		
Compressors	Type		DC inverter		
	Quantity		6		
Fan motors	Type		DC		
	Quantity		6		
Refrigerant	Type		R410A		
	Factory charge	kg	17+22+25		
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ25.4		
	Gas pipe	mm	Φ50.8		
Air flow rate		m <sup>3</sup> /h	66000		
Sound pressure level <sup>4</sup>		dB(A)	69		
Net dimensions (W×H×D)		mm	(1340×1635×825)+{(1730×1830×850)×2}		
Net weight		kg	348+430+475		
Ambient temp.	Cooling	°C	-5 ~ 54		
operation range	Heating	°C	-25 ~ 24		

- 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.
  - 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 VX Series Engineering Data 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.

Specifications (Super VX)



HP			90	92	94	96
Model name			38VF090H11901X	38VF092H11901X	38VF094H11901X	38VF096H11901X
Combination type			28HP+28HP+34HP	28HP+30HP+34HP	30HP+30HP+34HP	30HP+32HP+34HP
Power supply		V/Ph/Hz	380-415/3/50			
Cooling <sup>1</sup>	Capacity	kW	252.0	258.5	265.0	270.0
		kBtu/h	859.8	882.0	904.2	921.2
Heating <sup>2</sup>	Capacity	kW	281.0	288.5	296.0	301.0
		kBtu/h	958.8	984.4	1010.0	1027.0
Connected indoor unit	Maximum quantity		64			
Compressors	Type		DC inverter			
	Quantity		6			
Fan motors	Type		DC			
	Quantity		6			
Refrigerant	Type		R410A			
	Factory charge	kg	22×2+25			22+25×2
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ25.4			
	Gas pipe	mm	Φ50.8			
Air flow rate		m <sup>3</sup> /h	74000			73000
Sound pressure level <sup>4</sup>		dB(A)	70			
Net dimensions (W×H×D)		mm	(1730×1830×850)×3			
Net weight		kg	430×2+475			430+475×2
Ambient temp.	Cooling	°C	-5 ~ 54			
operation range	Heating	°C	-25 ~ 24			



HP			98	100	102
Model name			38VF098H11901X	38VF100H11901X	38VF102H11901X
Combination type			30HP+34HP+34HP	32HP+34HP+34HP	34HP+34HP+34HP
Power supply		V/Ph/Hz	380-415/3/50(60)		
Cooling <sup>1</sup>	Capacity	kW	275.0	280.0	285.0
		kBtu/h	938.3	955.4	972.4
Heating <sup>2</sup>	Capacity	kW	307.0	312.0	318.0
		kBtu/h	1047.5	1064.5	1085.0
Connected indoor unit	Maximum quantity		64		
Compressors	Type		DC inverter		
	Quantity		6		
Fan motors	Type		DC		
	Quantity		6		
Refrigerant	Type		R410A		
	Factory charge	kg	22+25×2	25×3	
Pipe connections <sup>3</sup>	Liquid pipe	mm	Φ25.4		
	Gas pipe	mm	Φ50.8		
Air flow rate		m <sup>3</sup> /h	73000	72000	
Sound pressure level <sup>4</sup>		dB(A)	71		
Net dimensions (W×H×D)		mm	(1730×1830×850)×3		
Net weight		kg	430+475×2	475×3	
Ambient temp.	Cooling	°C	-5 ~ 54		
operation range	Heating	°C	-25 ~ 24		

- 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.
  - 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 VX Series Engineering Data 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.

## NOTES

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## NOTES

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