



XCT7[™]

VRF System





OUR LEGACY 003

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CONNECTION ACCESSORIES

CARRIER'S HERITAGE: THE INVENTION THAT CHANGED THE WORLD

On July 17, 1902, Willis Carrier designed the first modern air-conditioning system to solve a production problem at the Sackett & Wilhelms printing plant in Brooklyn, New York, launching an industry that would fundamentally improve the way we live, work and play.



Willis Carrier applied for a patent on his invention, an "Apparatus for Treating Air." He had invented the world's first spray-type air conditioning equipment, capable of both washing and humidifying or dehumidifying air. Modern air conditioning then got its building block.



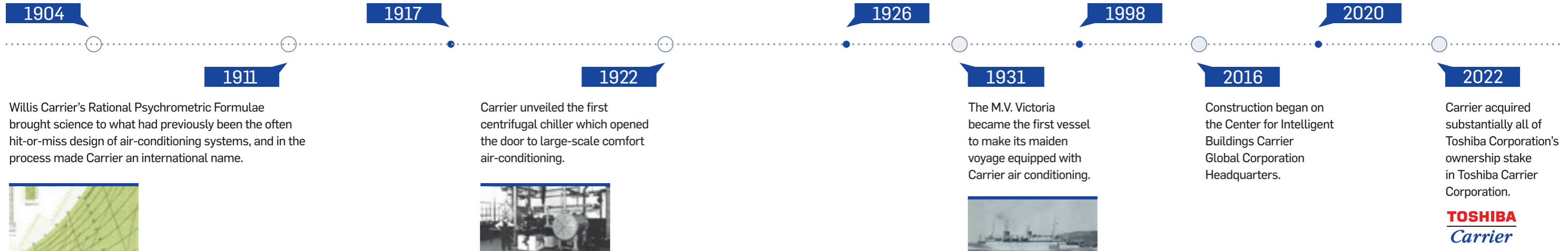
Carrier hires America's first female air-conditioning engineer right around the time the decision to allow American women to vote was being debated by lawmakers.



Carrier unveiled the first centrifugal chiller which opened the door to large-scale comfort air-conditioning.



The M.V. Victoria became the first vessel to make its maiden voyage equipped with Carrier air conditioning.



1904

Willis Carrier's Rational Psychrometric Formulae brought science to what had previously been the often hit-or-miss design of air-conditioning systems, and in the process made Carrier an international name.



1911

1917

1922

1926

Carrier introduces the first home air conditioner.

1931

1998

Willis Carrier is named among Time magazine's 100 Most Influential People of the Century.

2016

Construction began on the Center for Intelligent Buildings Carrier Global Corporation Headquarters.

2020

Carrier becomes an independent, publicly traded company, and begins trading on the New York Stock Exchange.

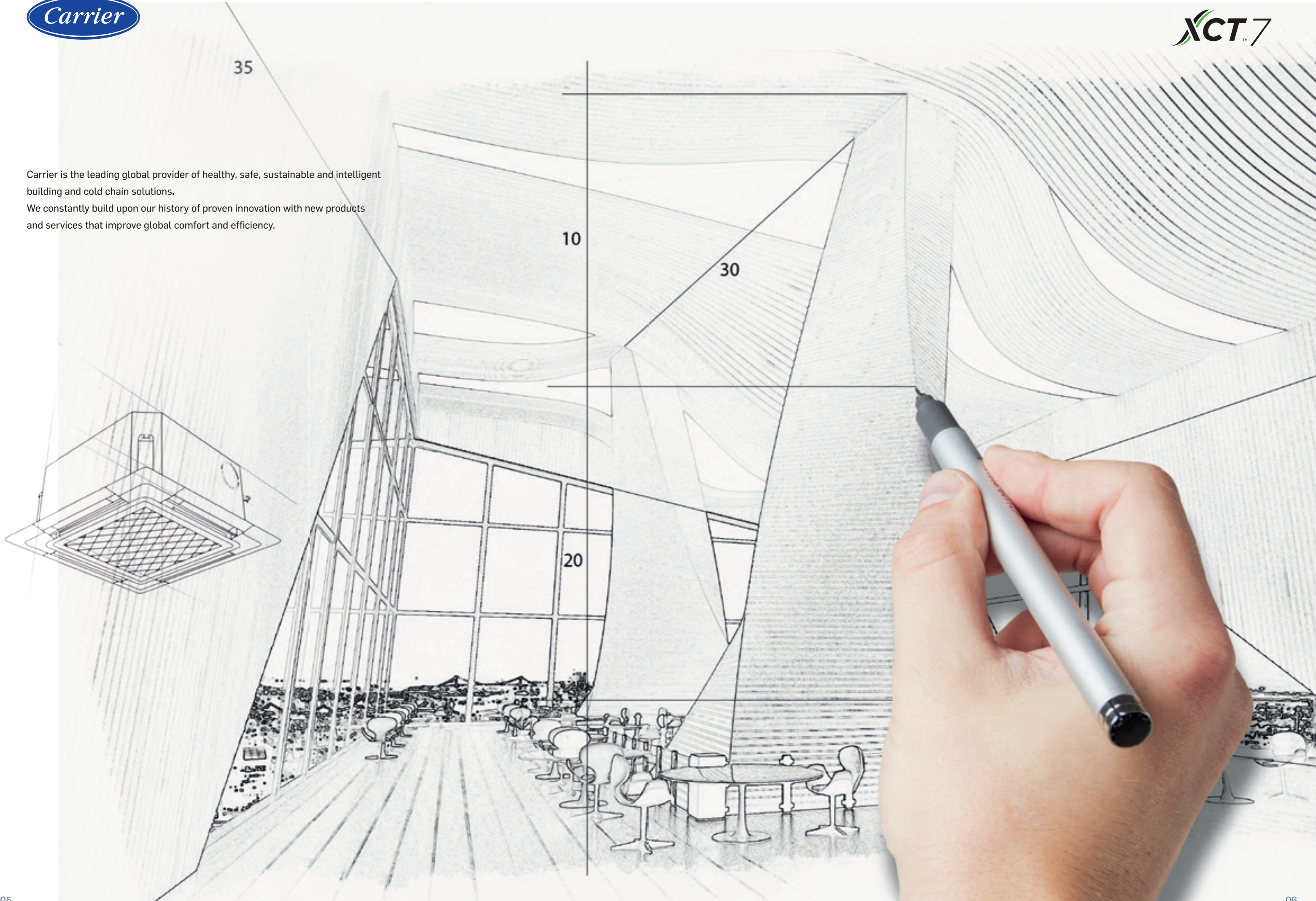
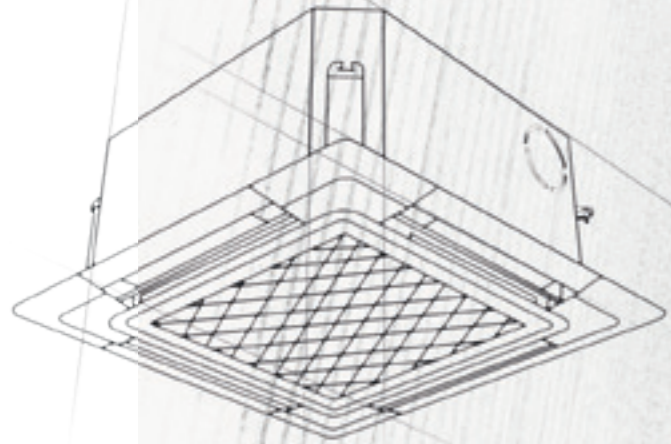
2022

Carrier acquired substantially all of Toshiba Corporation's ownership stake in Toshiba Carrier Corporation.



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Carrier is the leading global provider of healthy, safe, sustainable and intelligent building and cold chain solutions. We constantly build upon our history of proven innovation with new products and services that improve global comfort and efficiency.



Understanding VRF Systems

SETTING THE STANDARD FOR FLEXIBILITY, EFFICIENCY & PERFORMANCE

Variable Refrigerant Flow (VRF) systems are large-scale ductless HVAC systems performing at high capacity. VRF technology has the unmatched ability for multiple indoor units or zones to operate on the same outdoor system.

It is a multi-outdoor-unit solution that carefully computes the precise amount of refrigerant required by each indoor unit to achieve individualized temperature control for each comfort zone.

Because of its flexibility, VRF systems can be customized to meet the specific demands of any project. It controls the refrigerant flow according to the heat load requirement to avoid over cooling or heating effectively.

Why Choose VRF Systems?



FLEXIBILITY

Whether you're looking to maximize comfort in a new building or retrofit an existing one, VRF systems join design flexibility with potential energy savings.



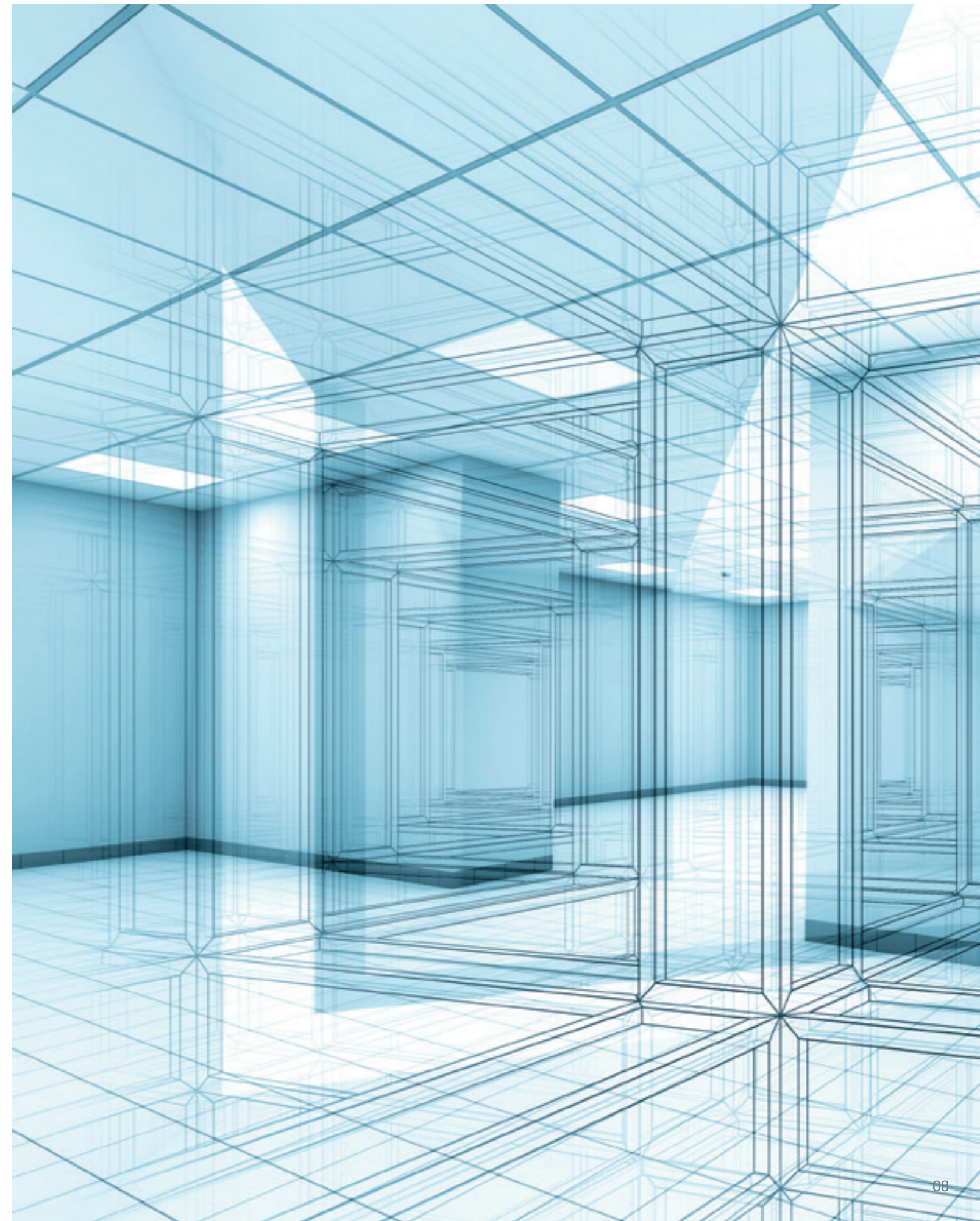
EFFICIENCY

VRF systems use minimal ductwork, and sometimes none at all (depending on the application). This makes installation and maintenance easier, and also precisely matches power requirements to eliminate any energy waste associated with central duct systems.



PERFORMANCE

System performance is significantly enhanced because of the heat transfer properties of refrigerant over other mediums, while the zone temperature control brings ideal comfort.



What is Carrier XCT7

XCT7 is the 7th generation of our VRF system that proudly represents Carrier's world leading innovation, technology and unyielding commitment to energy saving.

Carrying forth the legacy that shaped the climate control industry, Carrier's VRF systems have always delivered optimal comfort and performance that can be scaled to meet climate control needs, all the way from a small single-family residence to a commercial high-rise building. We're determined to make global impacts again with the XCT7 – a VRF system that provides unmatched advantages of high reliability, peak performance, enhanced efficiency, longer lifespan, optimal user experience and easy operation.



Ultimate Reliability



Enhanced System Performance



High-Efficiency



Large Operating Range



Easy Installation



Incredible Flexibility



Wide Range of Options





Why Choose Carrier VRF?

Your choice of VRF system makes a difference. When you invest in Carrier VRF, you create a system that delivers on the promise of comfort, performance and reliability - the backbone of Carrier confidence.



Ultimate Reliability

Security is at the heart of XCT7 conception which also aims to bring its customers peace of mind.

- Outdoor condenser with advanced black fin technology for enhanced corrosion resistance
- Reduced liquid shock failure rate thanks to the anti-liquid shock technology of the compressor



Enhanced System Performance

The enhanced system efficiency relies on the combination of the following advanced features:

- Improved refrigerant distribution balance thanks to the centrifugal oil separator
- Smooth supply of lubricant with 10-stage oil return technology which protects the compressor and the system



High-Efficiency

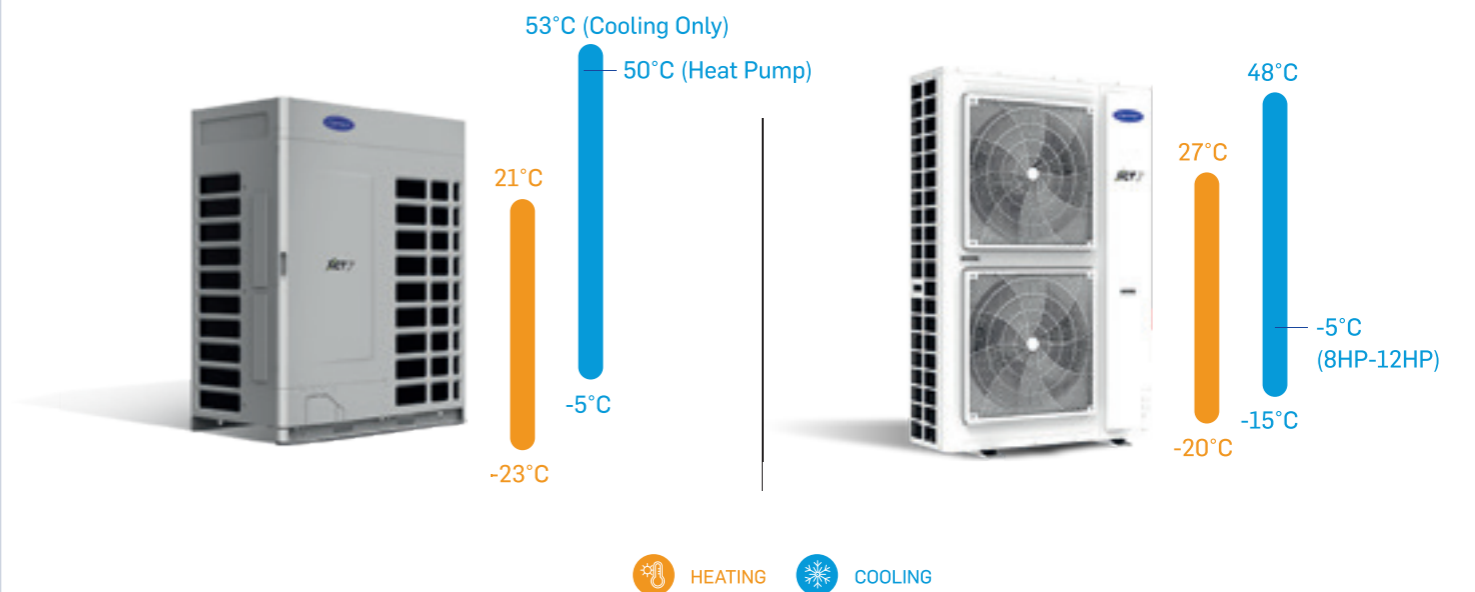
Carrier VRF achieves high-efficiency in cooling and heating by utilizing:

- High-efficient DC fan
- Advanced DC compressor



Large Operating Range

XCT7 delivers comfort solutions for any indoor space, anytime of the year.



Why Choose Carrier VRF?



Easy Installation

By design, Carrier VRF systems are user-friendly, providing easy installation and maintenance.

- Easy to open the front panel
- Easy access to the internal system components
- Branching kit designed to fit your requirements
- One button trial operation :
 - Saves 10% of test operation time
 - Tests all units in one go



Incredible Flexibility

XCT7 units provide flexibility to accommodate almost any building requirement.

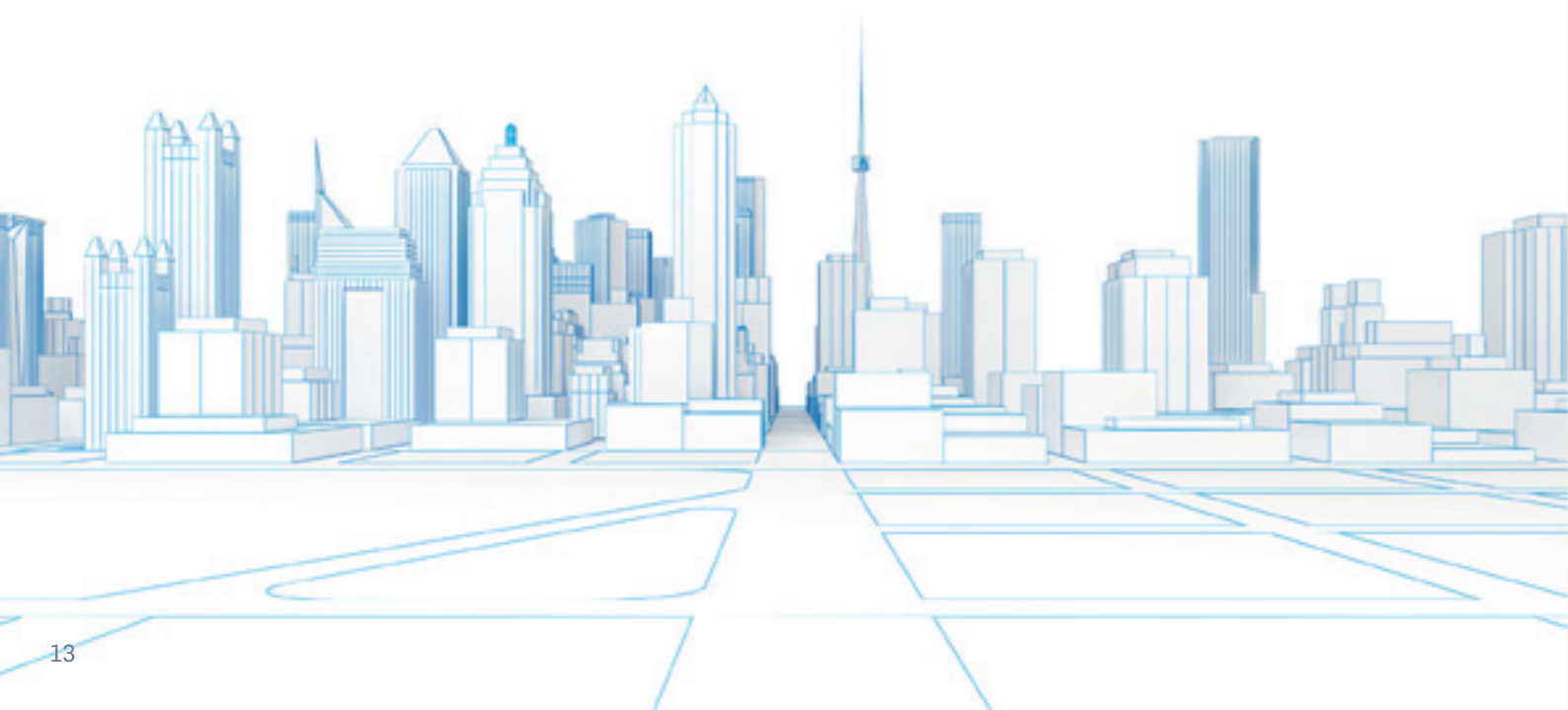
- Compact solution, perfect for limited space applications
- Up to 110 Pa of the external static pressure available
- Easily serves high-rise buildings up to 110m
- Flexible piping layout



Wide Range of Options

XCT7 units have been designed to satisfy your needs. No matter the building, application or project specifications, Carrier has a VRF solution for you.

- Heat pump single module from 4 to 26 HP, cooling only single module from 8HP to 28HP
- 4 modules combination, up to 104 HP(Heat Pump),112 HP(Cooling Only)
- IDU solutions for every scenario
- Up to 64 indoor units per outdoor system
- User friendly controller solutions



Black-coated fin

Carrier VRF black-coated fin has enhanced corrosion resistance and provides stronger protection from air pollution and salt contamination.



Longer resistance to neutral salt spray

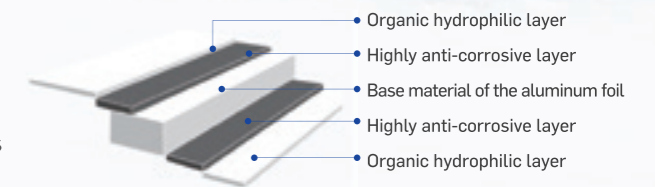
Standard model heat exchanger anticorrosion protection test for the black-coated fin is **1500 hours under 5% salt spray**, compared to the ordinary coated fin tested within just 500 hours.



Better corrosion-resistant performance

The corrosion-resistant coating of the black-coated fin is **2.4~2.8g/m²** and the hydrophilic coating is 0.3~0.5g/m², whereas the normal coated fin's coating is only 0.9~1.8g/m², indicating the former's highly advanced corrosion-resistant performance and the heat exchanger's enhanced lifespan.

Structure diagram of the hydrophilic aluminum foil



Higher alkali and oil resistance

black-coated fin
alkali resistance: √ **5min**
oil resistance: √ **48h**

• **Higher alkali resistance**

General hydrophilic aluminum fin
alkali resistance: √ 3min
oil resistance: √ 24h

• Conventional alkali and oil resistance

Outdoor Units Lineup

Lineup	3 HP												5 HP												
kW	8												14												
Compact Side-Discharge	1 Ph 												1Ph 												
Lineup	4 HP						5 HP						6 HP												
kW	12.1						14						15.5												
Side Discharge	1 Ph		1&3 Ph				1 Ph		1&3 Ph				1&3 Ph												
Lineup	8 HP	10 HP	12 HP	14 HP	16 HP	18 HP	20 HP	22 HP	24 HP	26 HP	28 HP	30 HP	32 HP	34 HP	36 HP	38 HP	40 HP	42 HP	44 HP	46 HP	48 HP	50 HP	52 HP		
kW	25.2	28	33.5	40	45	50.4	56	61.5	68	73.5	80	85	90	95.4	100.8	106.4	112	117.5	123	129.5	136	141.5	147		
HP Top-discharge Up to 104HP																									
Lineup	8 HP	10 HP	12 HP	14 HP	16 HP	18 HP	20 HP	22 HP	24 HP	26 HP	28 HP	30 HP	32 HP	34 HP	36 HP	38 HP	40 HP	42 HP	44 HP	46 HP	48 HP	50 HP	52 HP	54 HP	56 HP
kW	22.4	28	33.5	40	45	50	56	61.5	67	73	78	85	90	95	100	106	112	117.5	123	128.5	134	140	146	151	156
CO Top-discharge Up to 112HP																									

7 HP																											
18																											
1&3 Ph 																											
8 HP								10 HP								12 HP											
22.6								28								31.5											
3 Ph				3 Ph				3 Ph				3 Ph				3 Ph											
54 HP	56 HP	58 HP	60 HP	62 HP	64 HP	66 HP	68 HP	70 HP	72 HP	74 HP	76 HP	78 HP	80 HP	82 HP	84 HP	86 HP	88 HP	90 HP	92 HP	94 HP	96 HP	98 HP	100 HP	102 HP	104 HP		
151.2	156.8	162.4	168	173.5	179	184.5	191	197.5	204	209.5	215	220.5	224	229.5	235	240.5	246	252.5	259	265.5	272	277.5	283	288.5	294		
58 HP	60 HP	62 HP	64 HP	66 HP	68 HP	70 HP	72 HP	74 HP	76 HP	78 HP	80 HP	82 HP	84 HP	86 HP	88 HP	90 HP	92 HP	94 HP	96 HP	98 HP	100 HP	102 HP	104 HP	106 HP	108 HP	110 HP	112 HP
162	168	173.5	179	184.5	190	195.5	201	207	213	219	224	229	234	240.5	246	251.5	257	262.5	268	274	280	286	292	297	302	307	312

Indoor Units Lineup

Capacity kW/kBTU/h	ONE-WAY CASSETTE	TWO-WAY CASSETTE	COMPACT FOUR-WAY CASSETTE	FOUR-WAY CASSETTE	ROUND-WAY CASSETTE	SLIM DUCT	STANDARD STATIC DUCT 50/100 PA	STANDARD STATIC DUCT 20/200 Pa
Fan Motor Type	DC	AC	DC	AC	DC	DC	AC	DC
1.5/5	●		●	●		●	●	●
2.2/7	●	●	●	●	●	●	●	●
2.8/9	●	●	●	●	●	●	●	●
3.6/12	●	●	●	●	●	●	●	●
4.5/16		●	●	●	●	●	●	●
5.6/18		●	●	●	●	●	●	●
7.1/24				●	●	●	●	●
8.0/28				●	●		●	●
9.0/30				●	●		●	●
11.2/38				●	●		●	●
14.0/48				●	●		●	●
16.0/54					●		●	●
22.6/72								
28.0/96								

MEDIUM STATIC DUCT (DC) 20/120 PA	HIGH STATIC DUCT (DC) 20/200 Pa	HIGH STATIC DUCT 0/250 Pa	HIGH WALL	TWO-WAY CONSOLE	CONSOLE - RECESSED	FLEX CEILING FLOOR	OUTSIDE AIR UNIT (DC)
AC	AC	DC	DC	DC	AC	DC	AC
			●	●			
		●	●	●	●		
		●	●	●	●	●	
		●	●	●	●	●	
		●	●	●	●	●	
	●	●	●	●	●	●	
	●	●	●		●	●	
●	●	●	●			●	
●	●	●				●	
●	●	●				●	●
	●	●					
	●	●					●
	●	●					●

Controller Units Lineup

INDIVIDUAL CONTROLLER	Remote Controller	Wireless Controller 40VCI67FQEE (For Heat Pump)	Wireless Controller 40VIC7FQSS (For Cooling Only)	Receiver (Duct unit)		
	Wired Controller	Simple Wired Controller 40VCW117FQEE	Wired Controller 40VCW217FQEE	Wired Weekly Timer 40VCW317FQEE*	Multi-language Wired Controller 40VCW327FQEE	
CENTRALIZED CONTROLLER		Group Controller up to 32 IDUs 40VCC837FQEE	Touchscreen up to 256 IDUs 40VCC617FQEE*	Multi-language Touchscreen up to 256 IDUs 40VCC637FQEE	Touchscreen up to 800 IDUs 40VCC727FQEE	
ADAPTER		Protocol Adapter Modbus to RS485 40VCCR17FQEE	Protocol Adapter & Electricity Data Collection 40VCBM17FQEE	Protocol Adapter for Touchscreen 40VCCX17FQEE		
BMS		Remote monitoring BACnet® / Modbus IP 40VCB217FQEE	Local PC control RS485 to USB 40VCB117FQEE	Lonworks™ Gateway 40VCBL17FQEE	KNX® Gateway 40VCBK17FQEE 40VCBK27FQEE 40VCBK37FQEE	BACnet® Gateway 40VCBB17FQEE

* Plan to phase out in 2023 for some countries. Please check with Carrier local sales for more details.





OUTDOOR UNITS

- 023 TOP DISCHARGE
- 061 SIDE DISCHARGE



OFFICES



RETAIL



ADMINISTRATIONS



Outdoor

Outdoor



TOP DISCHARGE-HEAT PUMP

Handles heating and cooling with incredible efficiency and ensures continuous indoor comfort



XCT7 Unit Special Features



One Button Trial Operation

You only need to press the outdoor PCB button once to initiate the trial operation mode instead of activating indoor units one by one. Save up to 10% of trial operation time with this unique function for both cooling/heating modes.



Less Brazing Refrigerant Accessories

The refrigerant piping accessories are pre-fitted with multiple diameters for you to cut according to your needs with simplicity.



High-Efficiency Outdoor Fan & Dc Inverter Stepless Fan Motor

The fan adopts an aerodynamic design for low noise and high efficiency. The outdoor fan motor adopts unique stepless inverter regulation technology, which coordinates with the stepless inverter compressor.



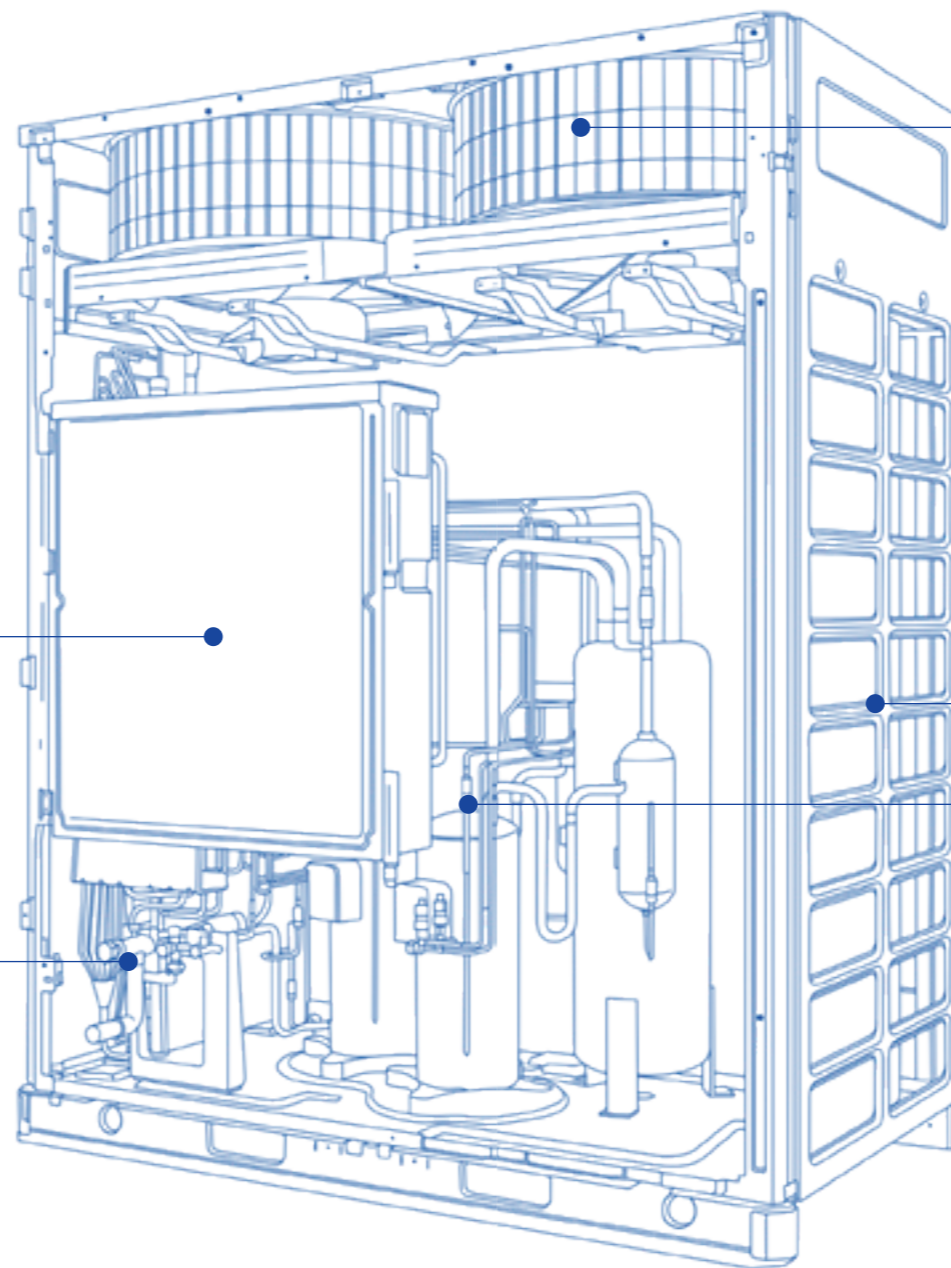
Black-Coated Fin Technology

The unique black-coated fin technology on the outdoor condenser enhances corrosion resistance and provides stronger protection from air pollution and salt contamination to achieve maximum system reliability.



Advanced Separator

Our advanced separator enhances heat exchanger performance, improves refrigerant distribution balance, and increases overall system efficiency.



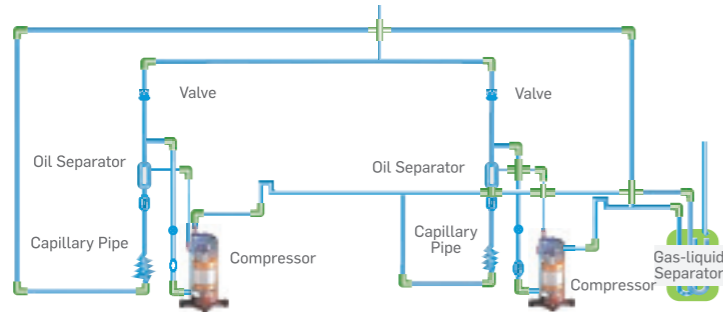


XCT7 Unit Special Features



Reliable Multi-layer Oil Return Technology

Our 10-stage oil return technology, as compared to the industry average of 5, ensures smooth lubricant oil supply to protect the compressor and system.



Easy Access

The design of the ODU is optimized to open to 120°, allowing complete access to internal system components.



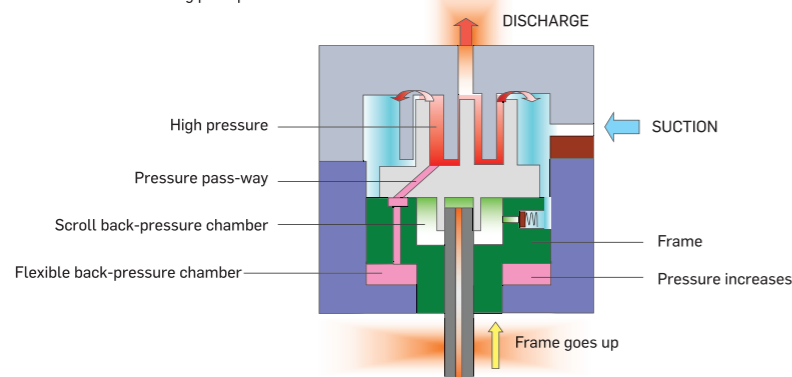
Outdoor



Advanced Compressor Anti-liquid-shock Technology

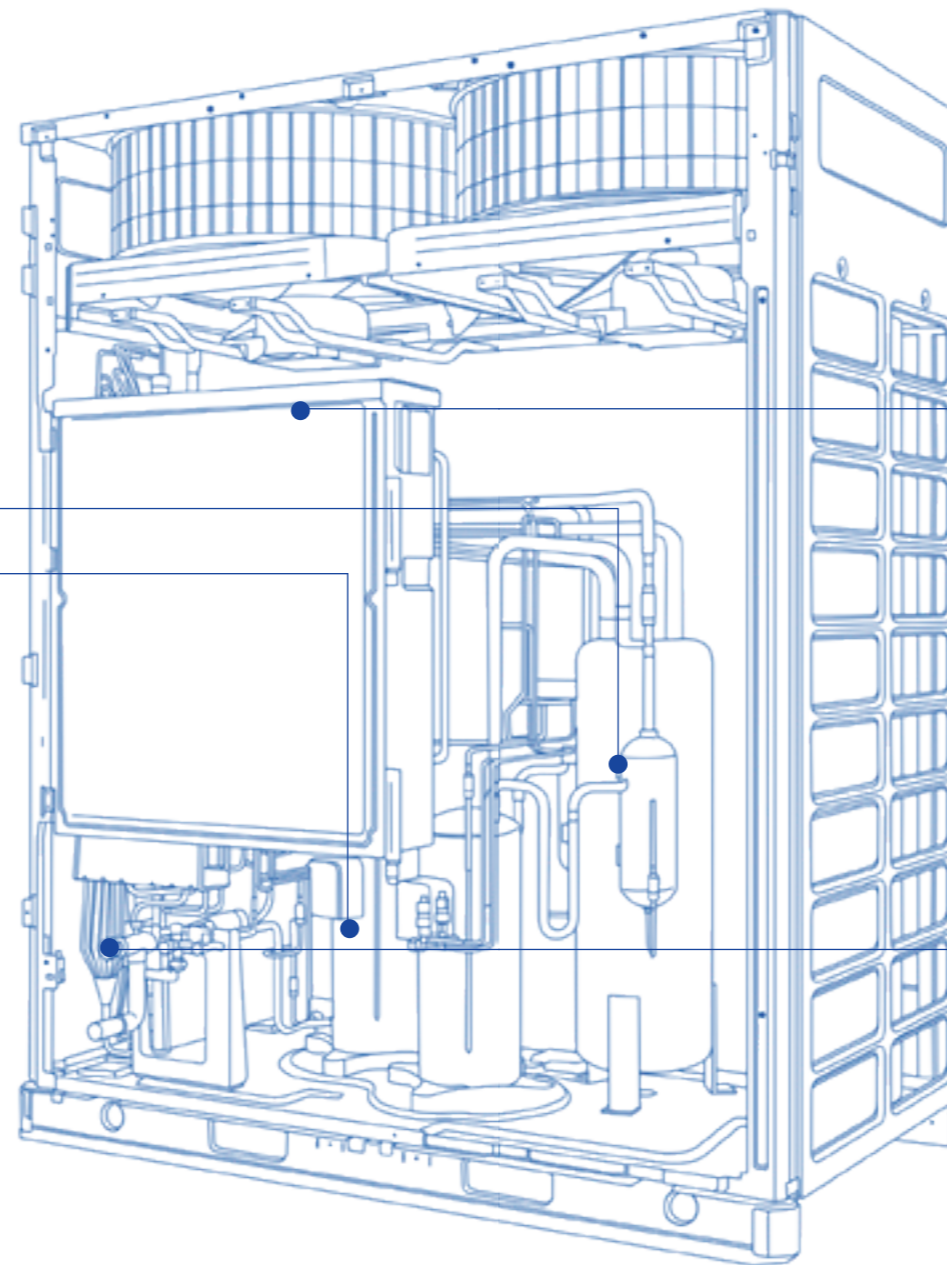
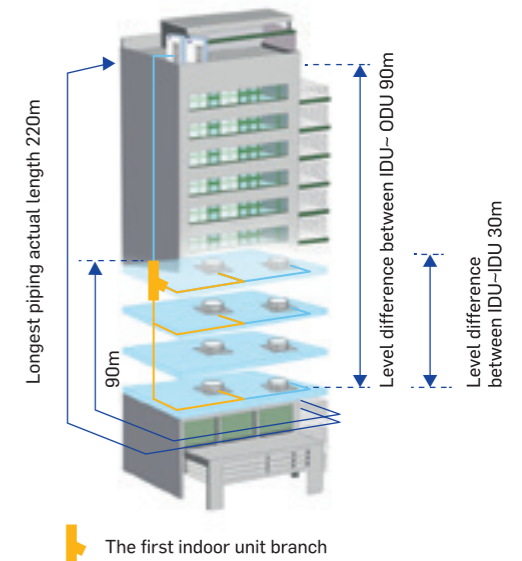
With a soft scroll design, the anti-liquid shock technology ensures the effectiveness of unloading when the compressor's internal pressure is too large. It also ensure reliable and efficient operation of the compressor by reducing friction and leakage loss and halving the liquid shock failure rate.

General working principle



Flexible Long Piping Length

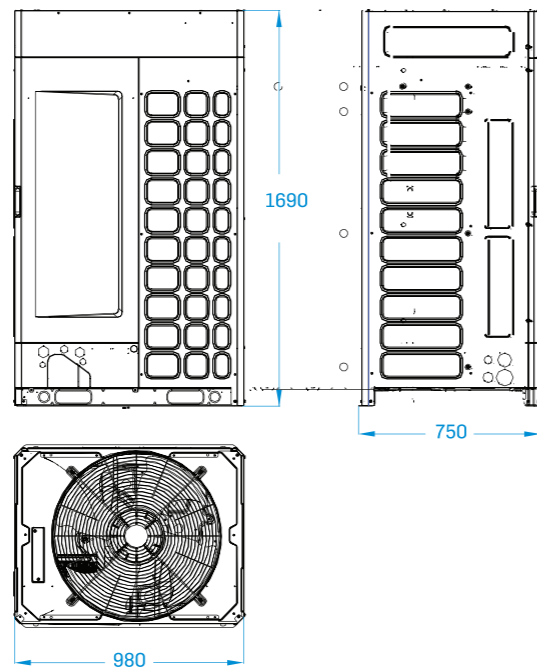
The piping can go up to 1000 m in length and a maximum of 110 m in height, thereby allowing you to easily serve in high rise buildings.



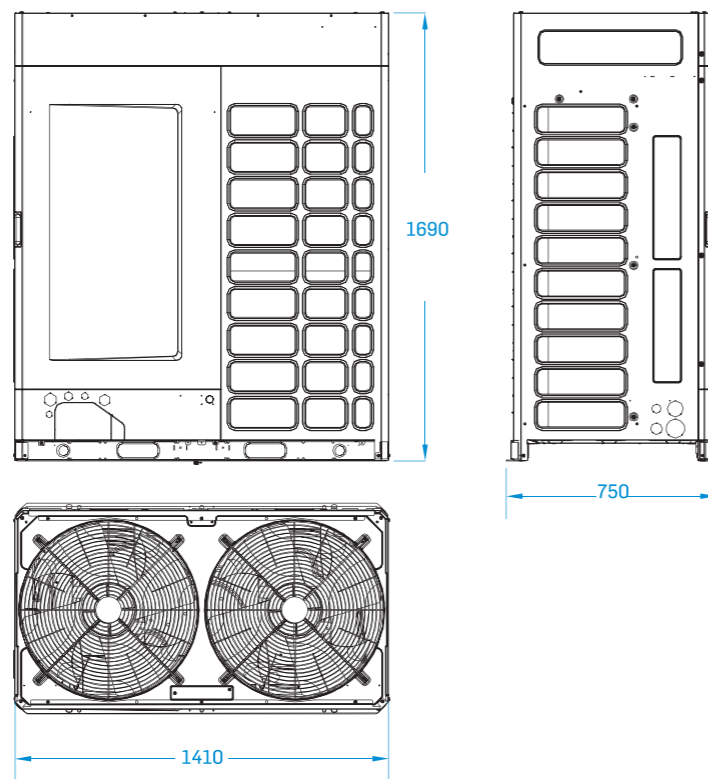


Dimensions

Single Fan (8-16HP)



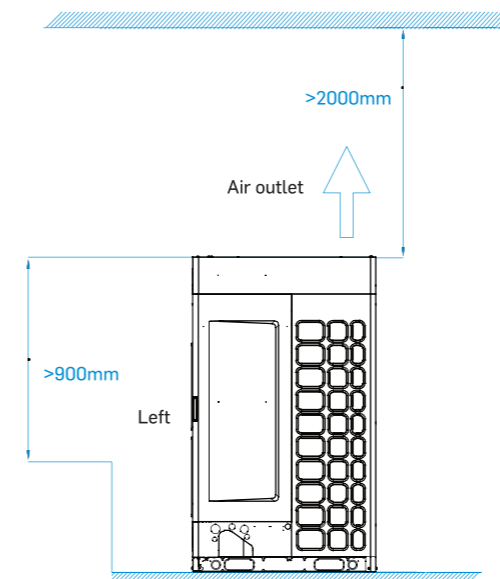
Dual Fan (18-26HP)



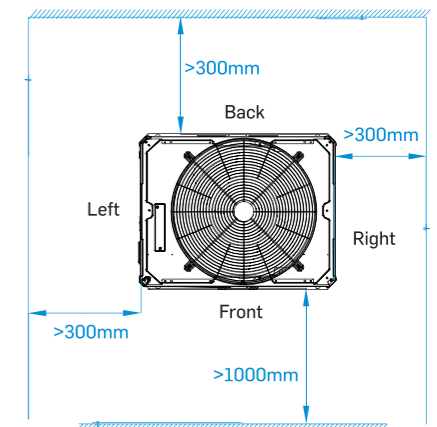
Combination Installation Dimensions

- There should be no obstacles within 2000 mm above the outdoor unit.
- Obstacles around the outdoor unit should be less than 900 mm to the bottom of unit.
- When multiple modules are installed, the outdoor unit should be ranked according to capacity, with the larger capacity closer to the main pipe.

Single Installation

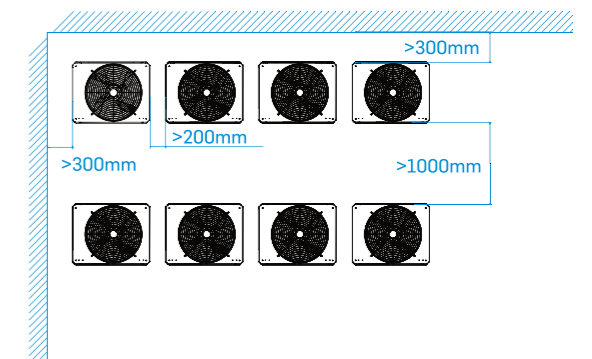
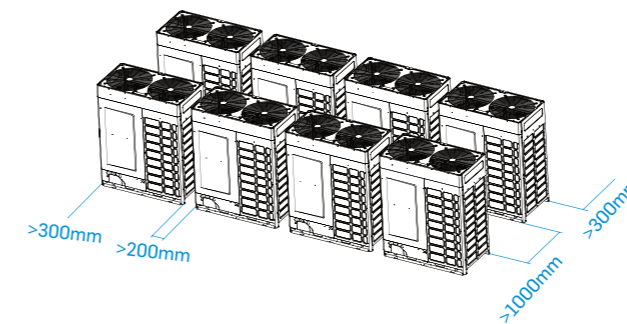


Single Fan Top Discharge



Combination Installation

Unit can be installed facing the same or opposite direction

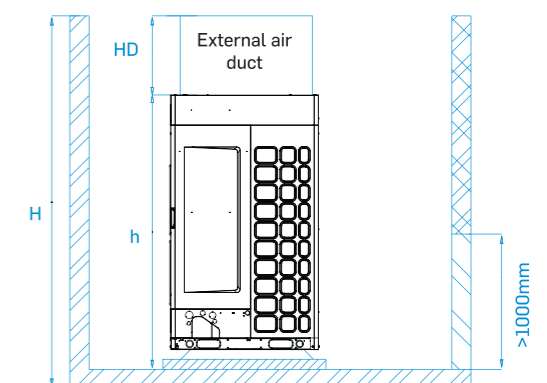


Wall Higher Than The Outdoor Condensers

Place with air inlet hole

Notes:

- Fan speed V_s at air inlet is 1.5 m/s or below.
- Air outlet height $HD = H - h$ and below 1 m.



Outdoor



Specifications

TD HP 8-26 HP

Model code	Heat Pump	China	38VT008173HQSS	38VT010173HQSS	38VT012173HQSS	38VT014173HQSS	38VT016173HQSS	
		Thailand	38VT008173HKSS	38VT010173HKSS	38VT012173HKSS	38VT014173HKSS	38VT016173HKSS	
Capacity	Capacity Range	HP	8.0	10	12	14	16	
	Cooling	kW	25.2	28.0	33.5	40.0	45.0	
	Heating	kW	27.0	31.5	37.5	45.0	50.0	
Electrical Parameters	Power Supply	PH/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	5.60	6.80	8.40	10.90	11.80
		Max Power Input	kW	12.0	12.9	13.8	16.4	19.2
		Rated Current	A	9.45	11.48	14.18	18.40	19.92
		Max Current	A	20.26	21.78	23.30	27.69	32.41
	Heating	Rated Power Input	kW	5.20	6.30	8.00	10.30	11.20
		Max Power Input	kW	10.90	12.20	12.50	15.10	18.40
		Rated Current	A	8.78	10.64	13.51	17.39	18.91
		Max Current	A	18.40	20.60	21.10	25.49	31.06
	EER		4.50	4.12	3.99	3.67	3.81	
	COP		5.19	5.00	4.69	4.37	4.46	
	Performance	Air Flow (H)	m³/h	11000	11000	12000	13500	13500
		Sound Pressure Level (H)	dB(A)	56	56	59	59	60
Sound Power Level (H)		dB(A)	67	67	70	70	71	
Installation	External Dimensions (W x D x H)	mm	980 x 750 x 1690					
	Shipping Dimensions (W x D x H)	mm	1070 x 850 x 1838					
	Net/Shipping Weight	kg	224/250			224/270		
	Compressor Type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor Quantity		1INV	1INV	1INV	1INV	1INV	
	Compressor Power Input	kW	6.5	6.5	6.5	6.5	7.64	
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	8.5	8.5	8.5	10	10	
	Refrigerant Liquid Pipe	mm	9.52	9.52	12.7	12.7	12.7	
	Refrigerant Gas Pipe	mm	19.05	22.22	25.4	25.4	28.58	
	Max. Total Pipe Length	m	1000	1000	1000	1000	1000	
	Max. Pipe Length (Equivalent/Actual)	m	260/220	260/220	260/220	260/220	260/220	
	Max Height Difference Between I.U. & O.U. (O.U. down/up) *1	m	110/90	110/90	110/90	110/90	110/90	
	Max Height Difference Between I.U *1	m	30	30	30	30	30	
	External Static Pressure	Pa	110	110	110	110	110	
	Connection Ratio	Connectable Indoor Unit Ratio	%	50-130	50-130	50-130	50-130	50-130
		Maximum Number Of Indoor Units		13	16	20	24	27
Working Temp.	Cooling	°C	-5-50					
	Heating	°C	-23-21					

Model	Heat Pump	China	38VT018173HQSS	38VT020173HQSS	38VT022173HQSS	38VT024173HQSS	38VT026173HQSS	
		Thailand	38VT018173HKSS	38VT020173HKSS	38VT022173HKSS	38VT024173HKSS	38VT026173HKSS	
Capacity	Capacity Range	HP	18	20	22	24	26	
	Cooling	kW	50.4	56.0	61.5	68.0	73.5	
	Heating	kW	56.5	61.5	69.0	73.0	82.5	
Electrical Parameters	Power Supply	PH/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	14.30	15.10	16.50	17.60	18.80
		Max Power Input	kW	21.4	25.1	28.5	29.1	33.0
		Rated Current	A	24.14	25.49	27.86	29.71	31.74
		Max Current	A	36.13	42.37	48.11	49.13	55.80
	Heating	Rated Power Input	kW	13.40	14.60	15.40	16.80	17.70
		Max Power Input	kW	17.70	22.70	25.50	26.50	30.40
		Rated Current	A	22.62	24.65	26.00	28.36	29.88
		Max Current	A	29.88	38.32	43.05	44.74	51.32
	EER		3.52	3.71	3.73	3.86	3.91	
	COP		4.22	4.21	4.48	4.35	4.66	
	Performance	Air Flow (H)	m³/h	17000	17000	18000	18000	19000
		Sound Pressure Level (H)	dB(A)	61	61	61	62	62
Sound Power Level (H)		dB(A)	72	72	72	73	73	
Installation	External Dimensions (W x D x H)	mm	1410 x 750 x 1690					
	Shipping Dimensions (W x D x H)	mm	1515 x 850 x 1838					
	Net/Shipping Weight	kg	287/317	370/400				
	Compressor Type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor Quantity		1INV	2INV	2INV	2INV	2INV	
	Compressor Power Input	kW	8.5	10.50	13.00	13.00	15.28	
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	10	10	10	10	10	
	Refrigerant Liquid Pipe	mm	15.88	15.88	15.88	15.88	15.88	
	Refrigerant Gas Pipe	mm	28.58	28.58	28.58	28.58	28.58	
	Max. Total Pipe Length	m	1000	1000	1000	1000	1000	
	Max. Pipe Length (Equivalent/Actual)	m	260/220	260/220	260/220	260/220	260/220	
	Max Height Difference Between I.U. & O.U. (O.U. down/up) *1	m	110/90	110/90	110/90	110/90	110/90	
	Max Height Difference Between I.U *1	m	30	30	30	30	30	
	External Static Pressure	Pa	110	110	110	110	110	
	Connection Ratio	Connectable Indoor Unit Ratio	%	50-130	50-130	50-130	50-130	50-130
		Maximum Number Of Indoor Units		30	33	36	40	43
Working Temp.	Cooling	°C	-5-50					
	Heating	°C	-23-21					

Max drop between I.U.&O.U *1
 •When max height difference between outdoor and indoor units is greater than 50m (ODU below), the main liquid size pipe must be enlarged by one size & setting made to long piping installation.
 •Review with a Carrier representative if height difference ODU to IDU is greater than 70m and/or total piping length is greater than 500m AND height difference between highest & lowest IDU greater than 18m with IDU combination ratio over 100%.

• All the specifications are tested under nominal condition (in cooling, indoor temp. is 27°C DB/19°C WB; Outdoor temp 35°C DB/24WB; in heating, indoor temp. is 20°C DB, in heating, outdoor temp. is 7°C DB/6°C WB)



Specifications

TD HP 28-46 HP

Model Code	China		38VT028S73HQSS	38VT030S73HQSS	38VT032S73HQSS	38VT034S73HQSS	38VT036S73HQSS	
	Thailand		38VT028S73HKSS	38VT030S73HKSS	38VT032S73HKSS	38VT034S73HKSS	38VT036S73HKSS	
Combination Model Code			38VT014173HQ(K)SS	38VT014173HQ(K)SS	38VT016173HQ(K)SS	38VT016173HQ(K)SS	38VT018173HQ(K)SS	
			38VT014173HQ(K)SS	38VT016173HQ(K)SS	38VT016173HQ(K)SS	38VT018173HQ(K)SS	38VT018173HQ(K)SS	
			/	/	/	/	/	
Capacity	Capacity Range	HP	28	30	32	34	36	
	Cooling	kW	80.0	85.0	90.0	95.4	100.8	
	Heating	kW	90.0	95.0	100.0	106.5	113.0	
Electrical Parameters	Power Supply	PH/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	21.80	22.70	23.60	26.10	28.6
		Max Power Input	kW	32.8	35.6	38.4	40.6	42.8
		Rated Current	A	36.80	38.32	39.84	44.06	48.28
		Max Current	A	55.37	60.10	64.83	68.54	72.26
	Heating	Rated Power Input	kW	20.60	21.50	22.40	24.60	26.80
		Max Power Input	kW	30.20	33.50	36.80	36.10	35.40
		Rated Current	A	34.78	36.30	37.82	41.53	45.24
		Max Current	A	50.98	56.55	62.13	60.94	59.76
	EER		3.67	3.74	3.81	3.66	3.52	
	COP		4.37	4.42	4.46	4.33	4.22	
Performance	Air Flow (H)	m³/h	27000	27000	27000	30500	34000	
	Sound Pressure Level (H)	dB(A)	62	62.5	63	63.5	64	
	Sound Power Level (H)	dB(A)	73	73.5	74	74.5	75	
Installation	External Dimensions (W x D x H)	mm	980 x 750 x 1690 + 980 x 750 x 1690			980 x 750 x 1690+ 1410 x 750 x 1690	1410 x 750 x 1690+ 1410 x 750 x 1690	
	Shipping Dimensions (W x D x H)	mm	1070 x 850 x 1838 + 1070 x 850 x 1838			1070 x 850 x 1838+ 1515 x 850 x 1838	1515 x 850 x 1838+ 1515 x 850 x 1838	
	Net/Shipping Weight	kg	224/250 + 224/250			224/250 + 287/317	287/317 + 287/317	
	Compressor Type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor Quantity		2INV	2INV	2INV	2INV	2INV	
	Compressor Power Input	kW	6.5+6.5	6.5+7.64	7.64+7.64	7.64+8.5	8.5+8.5	
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	20	20	20	20	20	
	Refrigerant Liquid Pipe	mm	15.88	19.05	19.05	19.05	19.05	
	Refrigerant Gas Pipe	mm	28.58	31.8	31.8	31.8	38.1	
	Max. Total Pipe Length	m	1000	1000	1000	1000	1000	
	Max. Pipe Length (Equivalent/Actual)	m	260/220	260/220	260/220	260/220	260/220	
	Max Height Difference Between I.U. & O.U. (O.U. down/up) *1	m	110/90	110/90	110/90	110/90	110/90	
	Max Height Difference Between I.U *1	m	30	30	30	30	30	
External Static Pressure	Pa	110	110	110	110	110		
Connection Ratio	Connectable Indoor Unit Ratio	%	50-130	50-130	50-130	50-130	50-130	
	Maximum Number Of Indoor Units		47	50	53	56	59	
Working Temp.	Cooling	°C	-5-50					
	Heating	°C	-23-21					

Max drop between I.U.&O.U *1

- When max height difference between outdoor and indoor units is greater than 50m (ODU below), the main liquid size pipe must be enlarged by one size & setting made to long piping installation.
- Review with a Carrier representative if height difference ODU to IDU is greater than 70m and/or total piping length is greater than 500m AND height difference between highest & lowest IDU greater than 18m with IDU combination ratio over 100%.

Model Code	China		38VT038S73HQSS	38VT040S73HQSS	38VT042S73HQSS	38VT044S73HQSS	38VT046S73HQSS	
	Thailand		38VT038S73HKSS	38VT040S73HKSS	38VT042S73HKSS	38VT044S73HKSS	38VT046S73HKSS	
Combination Model Code			38VT018173HQ(K)SS	38VT020173HQ(K)SS	38VT020173HQ(K)SS	38VT022173HQ(K)SS	38VT022173HQ(K)SS	
			38VT020173HQ(K)SS	38VT020173HQ(K)SS	38VT022173HQ(K)SS	38VT022173HQ(K)SS	38VT024173HQ(K)SS	
			/	/	/	/	/	
Capacity	Capacity Range	HP	38	40	42	44	46	
	Cooling	kW	106.4	112.0	117.5	123.0	129.5	
	Heating	kW	118.0	123.0	130.5	138.0	142.0	
Electrical Parameters	Power Supply	PH/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	29.40	30.20	31.60	33.00	34.10
		Max Power Input	kW	46.5	50.2	53.6	57.0	57.6
		Rated Current	A	49.63	50.98	53.35	55.71	57.57
		Max Current	A	78.50	84.75	90.49	96.23	97.24
	Heating	Rated Power Input	kW	28.00	29.20	30.00	30.80	32.20
		Max Power Input	kW	40.40	45.40	48.20	51.00	52.00
		Rated Current	A	47.27	49.30	50.65	52.00	54.36
		Max Current	A	68.20	76.64	81.37	86.10	87.79
	EER		3.62	3.71	3.72	3.73	3.80	
	COP		4.21	4.21	4.35	4.48	4.41	
Performance	Air Flow (H)	m³/h	34000	34000	35000	36000	36000	
	Sound Pressure Level (H)	dB(A)	64	64	64	64	64.5	
	Sound Power Level (H)	dB(A)	75	75	75	75		
Installation	External Dimensions (W x D x H)	mm	1410 x 750 x 1690 + 1410 x 750 x 1690					
	Shipping Dimensions (W x D x H)	mm	1515 x 850 x 1838 + 1515 x 850 x 1838					
	Net/Shipping Weight	kg	287/317+370/400	370/400+370/400				
	Compressor Type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor Quantity		3INV	4INV	4INV	4INV	4INV	
	Compressor Power Input	kW	8.5+10.5	10.5+10.5	10.5+13	13+13	13+13	
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	20	20	20	20	20	
	Refrigerant Liquid Pipe	mm	19.05	19.05	19.05	19.05	19.05	
	Refrigerant Gas Pipe	mm	38.1	38.1	38.1	38.1	38.1	
	Max. Total Pipe Length	m	1000	1000	1000	1000	1000	
	Max. Pipe Length (Equivalent/Actual)	m	260/220	260/220	260/220	260/220	260/220	
	Max Height Difference Between I.U. & O.U. (O.U. down/up) *1	m	110/90	110/90	110/90	110/90	110/90	
	Max Height Difference Between I.U *1	m	30	30	30	30	30	
External Static Pressure	Pa	110	110	110	110	110		
Connection Ratio	Connectable Indoor Unit Ratio	%	50-130	50-130	50-130	50-130	50-130	
	Maximum Number Of Indoor Units		63	64	64	64	64	
Working Temp.	Cooling	°C	-5-50					
	Heating	°C	-23-21					

• All the specifications are tested under nominal condition (in cooling, indoor temp. is 27°C DB/19°C WB; outdoor temp 35°C DB/24WB; in heating, indoor temp. is 20°C DB, in heating, outdoor temp. is 7°C DB/6°CWB)



Specifications

TD HP 48-66 HP

Model Code	China		38VT048S73HQSS	38VT050S73HQSS	38VT052S73HQSS	38VT054S73HQSS	38VT056S73HQSS	
	Thailand		38VT048S73HKSS	38VT050S73HKSS	38VT052S73HKSS	38VT054S73HKSS	38VT056S73HKSS	
Combination Model Code			38VT024173HQ(K)SS	38VT024173HQ(K)SS	38VT026173HQ(K)SS	38VT018173HQ(K)SS	38VT018173HQ(K)SS	
			38VT024173HQ(K)SS	38VT026173HQ(K)SS	38VT026173HQ(K)SS	38VT018173HQ(K)SS	38VT018173HQ(K)SS	
			/	/	/	38VT018173HQ(K)SS	38VT020173HQ(K)SS	
			/	/	/	/	/	
Capacity	Capacity Range	HP	48	50	52	54	56	
	Cooling	kW	136.0	141.5	147.0	151.2	156.8	
	Heating	kW	146.0	155.5	165.0	169.5	174.5	
Electrical Parameters	Power Supply		PH/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
	Cooling	Rated Power Input	kW	35.20	36.40	37.60	42.90	43.70
		Max Power Input	kW	58.2	62.1	66.0	64.2	67.9
		Rated Current	A	59.42	61.45	63.48	72.42	73.77
		Max Current	A	98.25	104.93	111.60	108.38	114.63
	Heating	Rated Power Input	kW	33.60	34.50	35.40	40.20	41.40
		Max Power Input	kW	53.00	56.90	60.80	53.10	58.10
		Rated Current	A	56.72	58.24	59.76	67.87	69.89
		Max Current	A	89.48	96.06	102.64	89.64	98.08
	EER			3.86	3.89	3.91	3.52	3.59
	COP			4.35	4.51	4.66	4.22	4.21
	Performance	Air Flow (H)	m³/h	36000	37000	38000	51000	51000
Sound Pressure Level (H)		dB(A)	65	65	65	65.8	65.8	
Sound Power Level (H)		dB(A)	76	76	76	76.5	76.5	
Installation	External Dimensions (W x D x H)	mm	1410 x 750 x 1690 + 1410 x 750 x 1690				1410 x 750 x 1690+ 1410 x 750 x 1690+ 1410 x 750 x 1690	
	Shipping Dimensions (W x D x H)	mm	1515 x 850 x 1838 + 1515 x 850 x 1838				1515 x 850 x 1838+ 1515 x 850 x 1838+ 1515 x 850 x 1838	
	Net/Shipping Weight	kg	370/400+370/400				287/317+ 287/317+ 287/317	
	Compressor Type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor Quantity		4INV	4INV	4INV	3INV	4INV	
	Compressor Power Input	kW	13+13	13+15.28	15.28+15.28	8.5+8.5+8.5	8.5+8.5+10.5	
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	20	20	20	30	30	
	Refrigerant Liquid Pipe	mm	19.05	19.05	19.05	19.05	19.05	
	Refrigerant Gas Pipe	mm	38.1	38.1	38.1	38.1	38.1	
	Max. Total Pipe Length	m	1000	1000	1000	1000	1000	
	Max. Pipe Length (Equivalent/Actual)	m	260/220	260/220	260/220	260/220	260/220	
	Max Height Difference Between I.U. & O.U (O.U. down/up) *1	m	110/90	110/90	110/90	110/90	110/90	
	Max Height Difference Between I.U *1	m	30	30	30	30	30	
External Static Pressure	Pa	110	110	110	110	110		
Connection Ratio	Connectable Indoor Unit Ratio	%	50-130	50-130	50-130	50-130	50-130	
	Maximum Number Of Indoor Units		64	64	64	64	64	
Working Temp.	Cooling	°C	-5-50					
	Heating	°C	-23-21					

Max drop between I.U.&O.U *1
 •When max height difference between outdoor and indoor units is greater than 50m (ODU below), the main liquid size pipe must be enlarged by one size & setting made to long piping installation.
 •Review with a Carrier representative if height difference ODU to IDU is greater than 70m and/or total piping length is greater than 500m AND height difference between highest & lowest IDU greater than 18m with IDU combination ratio over 100%.

Model Code	China		38VT058S73HQSS	38VT060S73HQSS	38VT062S73HQSS	38VT064S73HQSS	38VT066S73HQSS	
	Thailand		38VT058S73HKSS	38VT060S73HKSS	38VT062S73HKSS	38VT064S73HKSS	38VT066S73HKSS	
Combination Model Code			38VT018173HQ(K)SS	38VT020173HQ(K)SS	38VT022173HQ(K)SS	38VT022173HQ(K)SS	38VT022173HQ(K)SS	
			38VT020173HQ(K)SS	38VT020173HQ(K)SS	38VT020173HQ(K)SS	38VT022173HQ(K)SS	38VT022173HQ(K)SS	
			38VT020173HQ(K)SS	38VT020173HQ(K)SS	38VT020173HQ(K)SS	38VT020173HQ(K)SS	38VT022173HQ(K)SS	
			/	/	/	/	/	
Capacity	Capacity Range	HP	58	60	62	64	66	
	Cooling	kW	162.4	168.0	173.5	179.0	184.5	
	Heating	kW	179.5	184.5	192.0	199.5	207.0	
Electrical Parameters	Power Supply		PH/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
	Cooling	Rated Power Input	kW	44.50	45.30	46.70	48.10	49.50
		Max Power Input	kW	71.6	75.3	78.7	82.1	85.5
		Rated Current	A	75.13	76.48	78.84	81.20	83.57
		Max Current	A	120.88	127.12	132.86	138.60	144.34
	Heating	Rated Power Input	kW	42.60	43.80	44.60	45.40	46.20
		Max Power Input	kW	63.10	68.10	70.90	73.70	76.50
		Rated Current	A	71.92	73.94	75.29	76.64	78.00
		Max Current	A	106.53	114.97	119.69	124.42	129.15
	EER			3.65	3.71	3.72	3.72	3.73
	COP			4.21	4.21	4.30	4.39	4.48
	Performance	Air Flow (H)	m³/h	51000	51000	52000	53000	54000
Sound Pressure Level (H)		dB(A)	65.8	65.8	65.8	65.8	65.8	
Sound Power Level (H)		dB(A)	76.5	76.5	76.5	76.5	76.5	
Installation	External Dimensions (W x D x H)	mm	1410 x 750 x 1690 + 1410 x 750 x 1690 + 1410 x 750 x 1690					
	Shipping Dimensions (W x D x H)	mm	1515 x 850 x 1838 + 1515 x 850 x 1838 + 1515 x 850 x 1838					
	Net/Shipping Weight	kg	370/400 + 370/400 + 370/400					287/317+ 370/400+ 370/400
	Compressor Type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor Quantity		5INV	6INV	6INV	6INV	6INV	
	Compressor Power Input	kW	8.5+10.5+10.5	10.5+10.5+10.5	10.5+10.5+13	10.5+13+13	13+13+13	
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	30	30	30	30	30	
	Refrigerant Liquid Pipe	mm	19.05	19.05	19.05	19.05	19.05	
	Refrigerant Gas Pipe	mm	41.3	41.3	41.3	41.3	41.3	
	Max. Total Pipe Length	m	1000	1000	1000	1000	1000	
	Max. Pipe Length (Equivalent/Actual)	m	260/220	260/220	260/220	260/220	260/220	
	Max Height Difference Between I.U. & O.U (O.U. down/up) *1	m	110/90	110/90	110/90	110/90	110/90	
	Max Height Difference Between I.U *1	m	30	30	30	30	30	
External Static Pressure	Pa	110	110	110	110	110		
Connection Ratio	Connectable Indoor Unit Ratio	%	50-130	50-130	50-130	50-130	50-130	
	Maximum Number Of Indoor Units		64	64	64	64	64	
Working Temp.	Cooling	°C	-5-50					
	Heating	°C	-23-21					

* All the specifications are tested under nominal condition (in cooling, indoor temp. is 27°C DB/19°C WB; Outdoor temp 35°C DB/24WB; in heating, indoor temp. is 20°C DB, in heating, outdoor temp. is 7°C DB/6°C WB)



Specifications

TD HP 68-86 HP

Model Code	China		38VT068S73HQSS	38VT070S73HQSS	38VT072S73HQSS	38VT074S73HQSS	38VT076S73HQSS	
	Thailand		38VT068S73HKSS	38VT070S73HKSS	38VT072S73HKSS	38VT074S73HKSS	38VT076S73HKSS	
Combination Model Code			38VT022173HQ(K)SS	38VT022173HQ(K)SS	38VT024173HQ(K)SS	38VT026173HQ(K)SS	38VT026173HQ(K)SS	
			38VT022173HQ(K)SS	38VT024173HQ(K)SS	38VT024173HQ(K)SS	38VT024173HQ(K)SS	38VT026173HQ(K)SS	
			38VT024173HQ(K)SS	38VT024173HQ(K)SS	38VT024173HQ(K)SS	38VT024173HQ(K)SS	38VT024173HQ(K)SS	
			/	/	/	/	/	
Capacity	Capacity Range	HP	68	70	72	74	76	
	Cooling	kW	191.0	197.5	204.0	209.5	215.0	
	Heating	kW	211.0	215.0	219.0	228.0	238.0	
Electrical Parameters	Power Supply		PH/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
	Cooling	Rated Power Input	kW	50.60	51.70	52.80	54.00	55.20
		Max Power Input	kW	86.1	86.7	87.3	91.2	95.1
		Rated Current	A	85.42	87.28	89.14	91.16	93.19
		Max Current	A	145.35	146.37	147.38	154.05	160.73
	Heating	Rated Power Input	kW	47.60	49.00	50.40	51.30	52.20
		Max Power Input	kW	77.50	78.50	79.50	83.40	87.30
		Rated Current	A	80.36	82.72	85.09	86.61	88.12
		Max Current	A	130.84	132.52	134.21	140.80	147.38
	EER			3.77	3.82	3.86	3.88	3.89
	COP			4.43	4.39	4.35	4.45	4.56
	Performance	Air Flow (H)	m³/h	54000	54000	54000	55000	56000
		Sound Pressure Level (H)	dB(A)	66	66.5	66.8	66.8	66.8
Sound Power Level (H)		dB(A)	77	77.5	77.8	77.8	77.8	
Installation	External Dimensions (W x D x H)	mm	1410 x 750 x 1690 + 1410 x 750 x 1690 + 1410 x 750 x 1690					
	Shipping Dimensions (W x D x H)	mm	1515 x 850 x 1838 + 1515 x 850 x 1838 + 1515 x 850 x 1838					
	Net/Shipping Weight	kg	370/400 + 370/400 + 370/400					
	Compressor Type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor Quantity		6INV	6INV	6INV	6INV	6INV	
	Compressor Power Input	kW	13+13+13	13+13+13	13+13+13	13+13+15.28	13+15.28+15.28	
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	30	30	30	30	30	
	Refrigerant Liquid Pipe	mm	22.2	22.2	22.2	22.2	22.2	
	Refrigerant Gas Pipe	mm	44.5	44.5	44.5	44.5	44.5	
	Max. Total Pipe Length	m	1000	1000	1000	1000	1000	
	Max. Pipe Length (Equivalent/Actual)	m	260/220	260/220	260/220	260/220	260/220	
	Max Height Difference Between I.U. & O.U. (O.U. down/up) *1	m	110/90	110/90	110/90	110/90	110/90	
	Max Height Difference Between I.U *1	m	30	30	30	30	30	
	External Static Pressure	Pa	110	110	110	110	110	
	Connection Ratio	Connectable Indoor Unit Ratio	%	50-130	50-130	50-130	50-130	50-130
		Maximum Number Of Indoor Units		64	64	64	64	64
Working Temp.	Cooling	°C	-5-50					
	Heating	°C	-23-21					

Max drop between I.U.&O.U *1

- When max height difference between outdoor and indoor units is greater than 50m (ODU below), the main liquid size pipe must be enlarged by one size & setting made to long piping installation.
- Review with a Carrier representative if height difference ODU to IDU is greater than 70m and/or total piping length is greater than 500m AND height difference between highest & lowest IDU greater than 18m with IDU combination ratio over 100%.

Model Code	China		38VT078S73HQSS	38VT080S73HQSS	38VT082S73HQSS	38VT084S73HQSS	38VT086S73HQSS	
	Thailand		38VT078S73HKSS	38VT080S73HKSS	38VT082S73HKSS	38VT084S73HKSS	38VT086S73HKSS	
Combination Model Code			38VT026173HQ(K)SS	38VT020173HQ(K)SS	38VT020173HQ(K)SS	38VT020173HQ(K)SS	38VT020173HQ(K)SS	
			38VT026173HQ(K)SS	38VT020173HQ(K)SS	38VT020173HQ(K)SS	38VT020173HQ(K)SS	38VT022173HQ(K)SS	
			38VT026173HQ(K)SS	38VT020173HQ(K)SS	38VT020173HQ(K)SS	38VT022173HQ(K)SS	38VT022173HQ(K)SS	
			/	38VT020173HQ(K)SS	38VT022173HQ(K)SS	38VT022173HQ(K)SS	38VT022173HQ(K)SS	
Capacity	Capacity Range	HP	78	80	82	84	86	
	Cooling	kW	220.5	224.0	229.5	235.0	240.5	
	Heating	kW	247.5	246.0	253.5	261.0	268.5	
Electrical Parameters	Power Supply		PH/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
	Cooling	Rated Power Input	kW	56.40	60.40	61.80	63.20	64.60
		Max Power Input	kW	99.0	100.4	103.8	107.2	110.6
		Rated Current	A	95.21	101.97	104.33	106.69	109.06
		Max Current	A	167.40	169.50	175.24	180.98	186.72
	Heating	Rated Power Input	kW	53.10	58.40	59.20	60.00	60.80
		Max Power Input	kW	91.20	90.80	93.60	96.40	99.20
		Rated Current	A	89.64	98.59	99.94	101.29	102.64
		Max Current	A	153.96	153.29	158.02	162.74	167.47
	EER			3.91	3.71	3.71	3.72	3.72
	COP			4.66	4.21	4.28	4.35	4.42
	Performance	Air Flow (H)	m³/h	57000	68000	69000	70000	71000
		Sound Pressure Level (H)	dB(A)	66.8	67	67	67	67
Sound Power Level (H)		dB(A)	77.7	78	78	78	78	
Installation	External Dimensions (W x D x H)	mm	1410 x 750 x 1690+ 1410 x 750 x 1690+ 1410 x 750 x 1690	1410 x 750 x 1690 + 1410 x 750 x 1690 + 1410 x 750 x 1690 + 1410 x 750 x 1690				
	Shipping Dimensions (W x D x H)	mm	1515 x 850 x 1838+ 1515 x 850 x 1838+ 1515 x 850 x 1838	1515 x 850 x 1838 + 1515 x 850 x 1838 + 1515 x 850 x 1838 + 1515 x 850 x 1838				
	Net/Shipping Weight	kg	370/400+ 370/400+ 370/400	370/400 + 370/400 + 370/400 + 370/400				
	Compressor Type		DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	
	Compressor Quantity		6INV	8INV	8INV	8INV	8INV	
	Compressor Power Input	kW	15.28+15.28+15.28	10.5+10.5+10.5+10.5	10.5+10.5+10.5+13	10.5+10.5+13+13	10.5+13+13+13	
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	30	40	40	40	40	
	Refrigerant Liquid Pipe	mm	22.2	22.2	22.2	22.2	25.4	
	Refrigerant Gas Pipe	mm	44.5	44.5	44.5	44.5	50.8	
	Max. Total Pipe Length	m	1000	1000	1000	1000	1000	
	Max. Pipe Length (Equivalent/Actual)	m	260/220	260/220	260/220	260/220	260/220	
	Max Height Difference Between I.U. & O.U. (O.U. down/up) *1	m	110/90	110/90	110/90	110/90	110/90	
	Max Height Difference Between I.U *1	m	30	30	30	30	30	
	External Static Pressure	Pa	110	110	110	110	110	
	Connection Ratio	Connectable Indoor Unit Ratio	%	50-130	50-130	50-130	50-130	50-130
		Maximum Number Of Indoor Units		64	64	64	64	64
Working Temp.	Cooling	°C	-5-50					
	Heating	°C	-23-21					

• All the specifications are tested under nominal condition (in cooling, indoor temp. is 27°C DB/19°C WB; outdoor temp 35°C DB/24WB; in heating, indoor temp. is 20°C DB, in heating, outdoor temp. is 7°C DB/6°C WB)



Specifications

TD HP 88-104HP

Model Code	China		38VT088S73HQSS	38VT090S73HQSS	38VT092S73HQSS	38VT094S73HQSS	38VT096S73HQSS		
	Thailand		38VT088S73HKSS	38VT090S73HKSS	38VT092S73HKSS	38VT094S73HKSS	38VT096S73HKSS		
Combination Model Code			38VT022173HQ(K)SS	38VT024173HQ(K)SS	38VT024173HQ(K)SS	38VT024173HQ(K)SS	38VT024173HQ(K)SS		
Capacity			88	90	92	94	96		
Cooling			246.0	252.5	259.0	265.5	272.0		
Heating			276.0	280.0	284.0	288.0	292.0		
Power Supply			3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60		
Electrical Parameters			Cooling						
			Rated Power Input	kW	66.00	67.10	68.20	69.30	70.40
			Max Power Input	kW	114.0	114.6	115.2	115.8	116.4
			Rated Current	A	111.42	113.28	115.14	116.99	118.85
			Max Current	A	192.46	193.47	194.48	195.49	196.51
			Heating						
			Rated Power Input	kW	61.60	63.00	64.40	65.80	67.20
			Max Power Input	kW	102.00	103.00	104.00	105.00	106.00
Rated Current	A	103.99	106.36	108.72	111.08	113.45			
Max Current	A	172.20	173.89	175.57	177.26	178.95			
EER			3.73	3.76	3.80	3.83	3.86		
COP			4.48	4.44	4.41	4.38	4.35		
Air Flow (H)			m³/h	72000	72000	72000	72000		
Sound Pressure Level (H)			dB(A)	67	67.5	67.5	68		
Sound Power Level (H)			dB(A)	78	78.5	78.5	79		
External Dimensions (W x D x H)			mm	1410 x 750 x 1690 + 1410 x 750 x 1690 + 1410 x 750 x 1690 + 1410 x 750 x 1690					
Shipping Dimensions (W x D x H)			mm	1515 x 850 x 1838 + 1515 x 850 x 1838 + 1515 x 850 x 1838 + 1515 x 850 x 1838					
Net/Shipping Weight			kg	370/400 + 370/400 + 370/400 + 370/400					
Compressor Type				DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL		
Compressor Quantity				8INV	8INV	8INV	8INV		
Compressor Power Input			kW	13+13+13+13	13+13+13+13	13+13+13+13	13+13+13+13		
Refrigerant Type				R410A	R410A	R410A	R410A		
Refrigerant Charge			kg	40	40	40	40		
Refrigerant Liquid Pipe			mm	25.4	25.4	25.4	25.4		
Refrigerant Gas Pipe			mm	50.8	50.8	50.8	50.8		
Max. Total Pipe Length			m	1000	1000	1000	1000		
Max. Pipe Length (Equivalent/Actual)			m	260/220	260/220	260/220	260/220		
Max Height Difference Between I.U. & O.U. (O.U. down/up) *1			m	110/90	110/90	110/90	110/90		
Max Height Difference Between I.U *1			m	30	30	30	30		
External Static Pressure			Pa	110	110	110	110		
Connectable Indoor Unit Ratio			%	50-130	50-130	50-130	50-130		
Maximum Number Of Indoor Units				64	64	64	64		
Cooling			°C	-5-50					
Heating			°C	-23-21					

Max drop between I.U.&O.U *1
 •When max height difference between outdoor and indoor units is greater than 50m (ODU below), the main liquid size pipe must be enlarged by one size & setting made to long piping installation.
 •Review with a Carrier representative if height difference ODU to IDU is greater than 70m and/or total piping length is greater than 500m AND height difference between highest & lowest IDU greater than 18m with IDU combination ratio over 100%.

Model Code	China		38VT098S73HQSS	38VT100S73HQSS	38VT102S73HQSS	38VT104S73HQSS		
	Thailand		38VT098S73HKSS	38VT100S73HKSS	38VT102S73HKSS	38VT104S73HKSS		
Combination Model Code			38VT026173HQ(K)SS	38VT026173HQ(K)SS	38VT026173HQ(K)SS	38VT026173HQ(K)SS		
Capacity			98	100	102	104		
Cooling			277.5	283.0	288.5	294.0		
Heating			301.5	311.0	320.5	330.0		
Power Supply			3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60		
Electrical Parameters			Cooling					
			Rated Power Input	kW	71.60	72.80	74.00	75.20
			Max Power Input	kW	120.3	124.2	128.1	132.0
			Rated Current	A	120.88	122.90	124.93	126.95
			Max Current	A	203.18	209.85	216.53	223.20
			Heating					
			Rated Power Input	kW	68.10	69.00	69.90	70.80
			Max Power Input	kW	109.90	113.80	117.70	121.60
Rated Current	A	114.97	116.49	118.01	119.53			
Max Current	A	185.53	192.12	198.70	205.29			
EER			3.88	3.89	3.90	3.91		
COP			4.43	4.51	4.59	4.66		
Air Flow (H)			m³/h	73000	74000	75000		
Sound Pressure Level (H)			dB(A)	68	68	68		
Sound Power Level (H)			dB(A)	79	79	79		
External Dimensions (W x D x H)			mm	1410 x 750 x 1690 + 1410 x 750 x 1690 + 1410 x 750 x 1690 + 1410 x 750 x 1690				
Shipping Dimensions (W x D x H)			mm	1515 x 850 x 1838 + 1515 x 850 x 1838 + 1515 x 850 x 1838 + 1515 x 850 x 1838				
Net/Shipping Weight			kg	370/400 + 370/400 + 370/400 + 370/400				
Compressor Type				DC INV. SCROLL	DC INV. SCROLL	DC INV. SCROLL		
Compressor Quantity				8INV	8INV	8INV		
Compressor Power Input			kW	13+13+13+15.28	13+13+15.28+15.28	13+15.28+15.28+15.28		
Refrigerant Type				R410A	R410A	R410A		
Refrigerant Charge			kg	40	40	40		
Refrigerant Liquid Pipe			mm	25.4	25.4	25.4		
Refrigerant Gas Pipe			mm	54.1	54.1	54.1		
Max. Total Pipe Length			m	1000	1000	1000		
Max. Pipe Length (Equivalent/Actual)			m	260/220	260/220	260/220		
Max Height Difference Between I.U. & O.U. (O.U. down/up) *1			m	110/90	110/90	110/90		
Max Height Difference Between I.U *1			m	30	30	30		
External Static Pressure			Pa	110	110	110		
Connectable Indoor Unit Ratio			%	50-130	50-130	50-130		
Maximum Number Of Indoor Units				64	64	64		
Cooling			°C	-5-50				
Heating			°C	-23-21				

• All the specifications are tested under nominal condition (in cooling, indoor temp. is 27°C DB/19°C WB; Outdoor temp 35°C DB/24WB; in heating, indoor temp. is 20°C DB, in heating, outdoor temp. is 7°C DB/6°CWB)



Outdoor



Outdoor

TOP DISCHARGE-COOLING ONLY

Handles cooling with incredible efficiency and ensures continuous indoor comfort



XCT7 Unit Special Features



One Button Trial Operation

You only need to press the outdoor PCB button once to initiate the trial operation mode instead of starting indoor units one by one. Save up to 10% of trial operation time with this unique function for both cooling/heating modes.



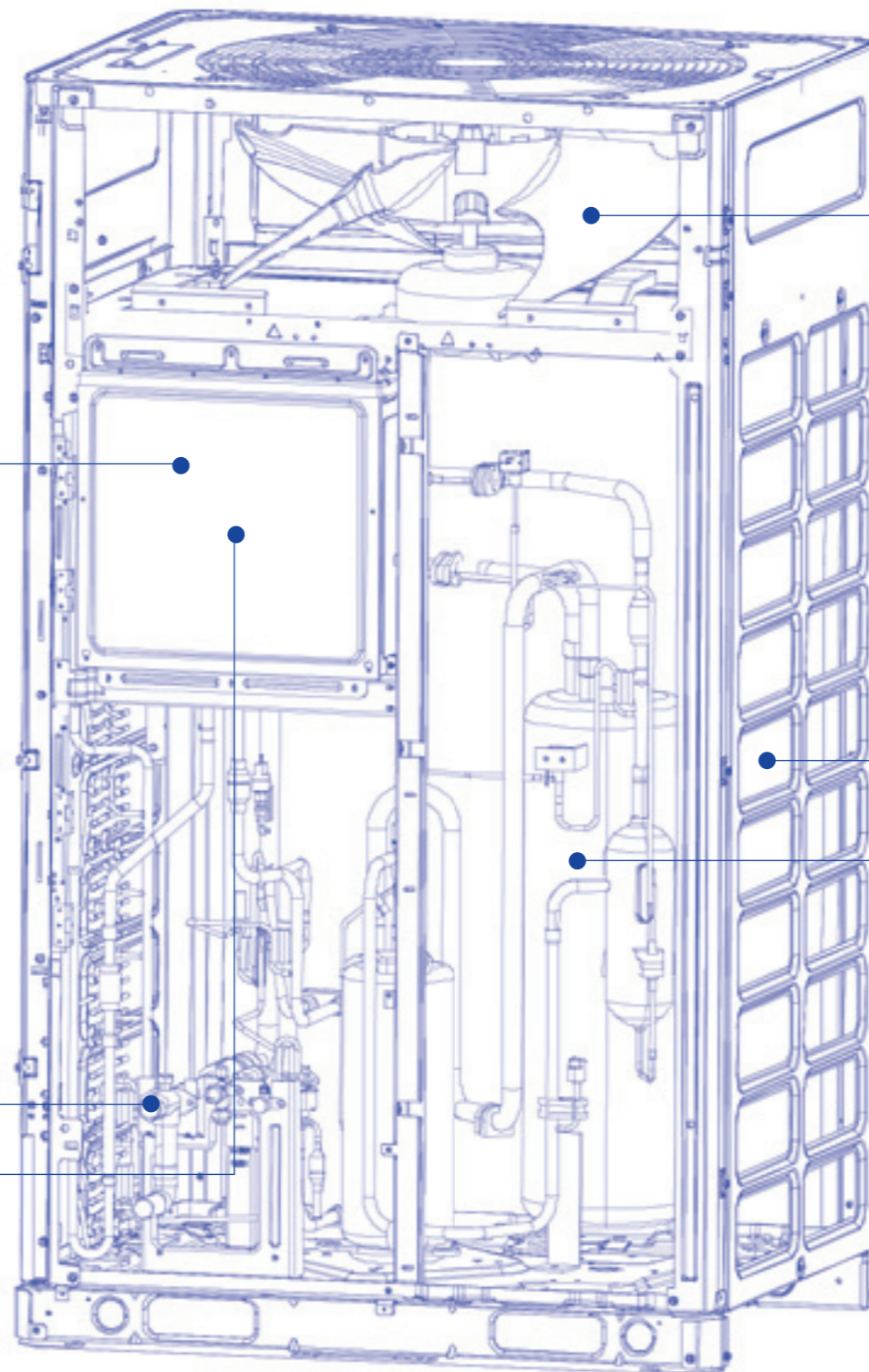
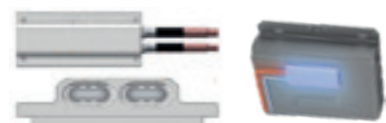
Less Brazing Refrigerant Accessories

The refrigerant piping accessories are pre-fitted with multiple diameters for you to cut according to your needs with simplicity.



Directly Cooling PCB Technology

Cooling refrigerant flows into the heat sink structure directly, and the heat sink cools the compressor driver module.



High-Efficiency Outdoor Fan & Dc Inverter Stepless Fan Motor

The fan adopts an aerodynamic design for low noise and high efficiency. The outdoor fan motor adopts unique stepless inverter regulation technology, which coordinates with the stepless inverter compressor.



Black-Coated Fin Technology

The unique black-coated fin technology on the outdoor condenser enhances corrosion resistance and provides stronger protection from air pollution and salt contamination to achieve maximum system reliability.



Advanced Separator

Our advanced separator enhances heat exchanger performance, improves refrigerant distribution balance, and increases overall system efficiency.



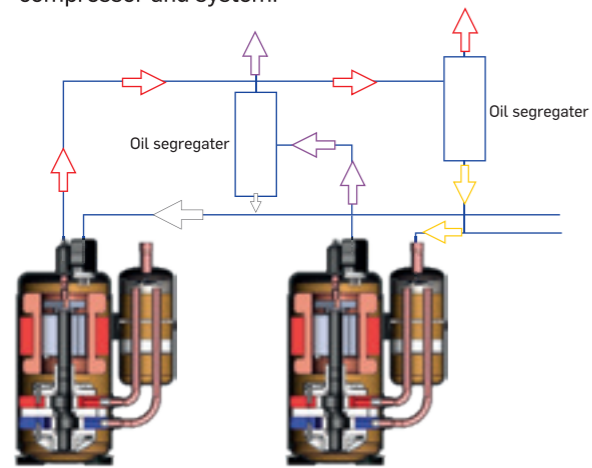


XCT7 Unit Special Features



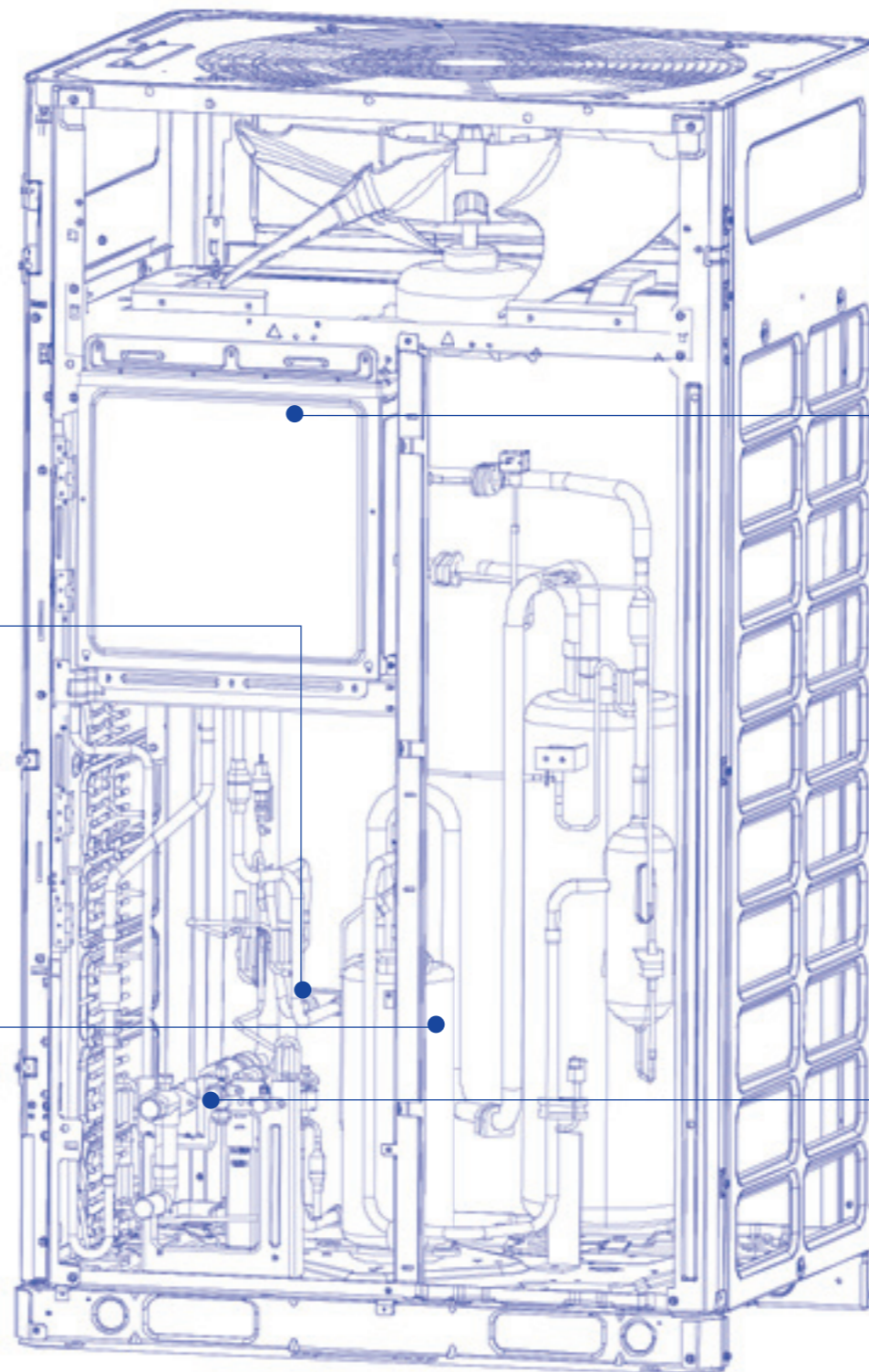
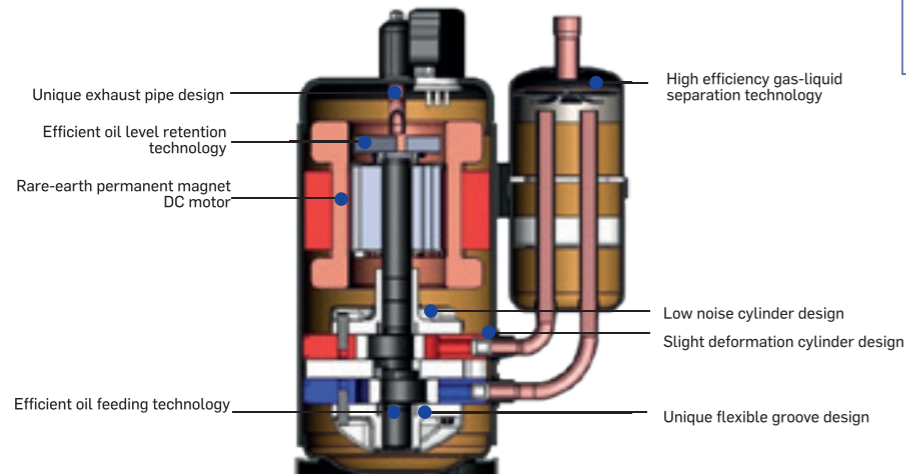
Reliable Multi-layer Oil Return Technology

Our 7-stage oil return technology, as compared to the industry average of 5, ensures smooth lubricant oil supply to protect the compressor and system.



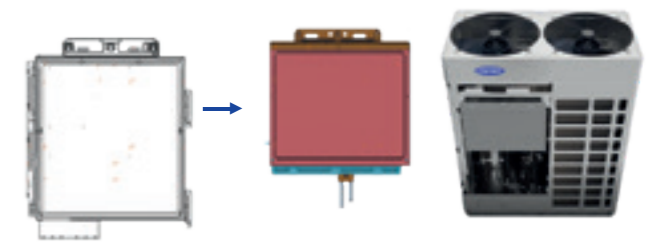
Advanced Compressor Technology

Compressor equipped with multiple advanced technologies will increase system reliability.



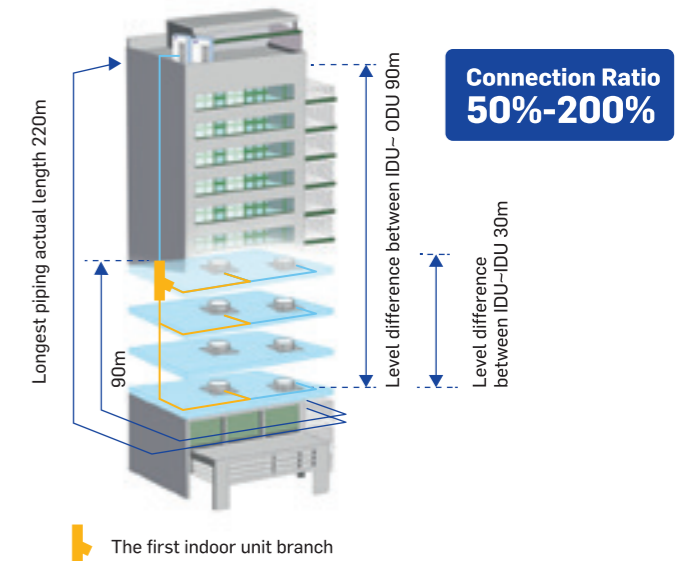
Installer Friendly

With compact electrical box design, installer can access the compressor, stop valve, sensor and other parts by opening the front panel.



Flexible Long Piping Length And Connection Ratio

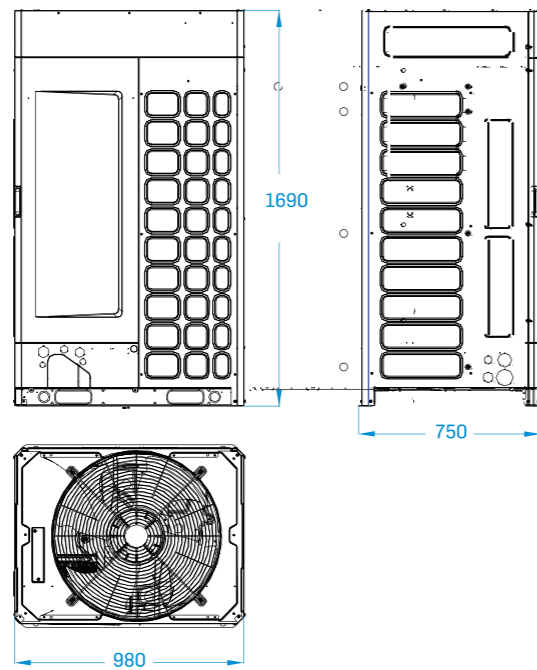
The piping can go up to 1000 m in length and a maximum of 110 m in height, allowing you to easily serve in high rise buildings and make significant improvement on flexibility.



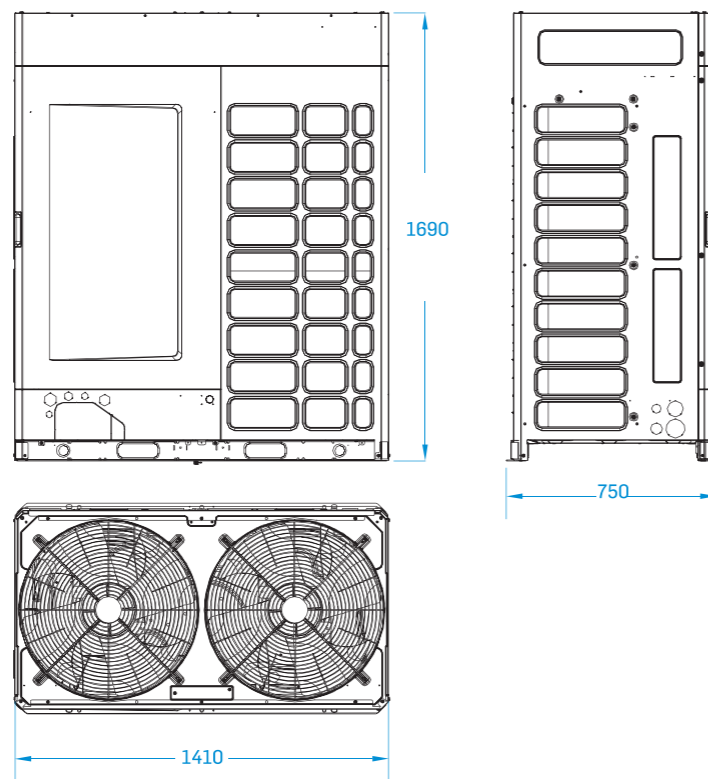


Dimensions

Single Fan (8-16HP)



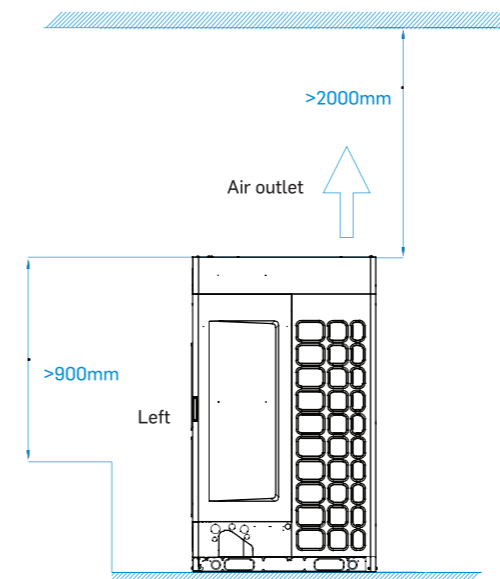
Dual Fan (18-26HP)



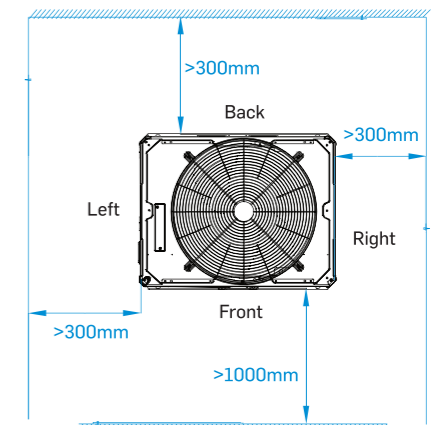
Combination Installation Dimensions

- There should be no obstacles within 2000 mm above the outdoor unit.
- Obstacles around the outdoor unit should no less than 900mm from the bottom of unit.
- When multiple modules are installed, the outdoor unit should be ranked according to capacity, with the larger capacity closer to the main pipe.

Single Installation

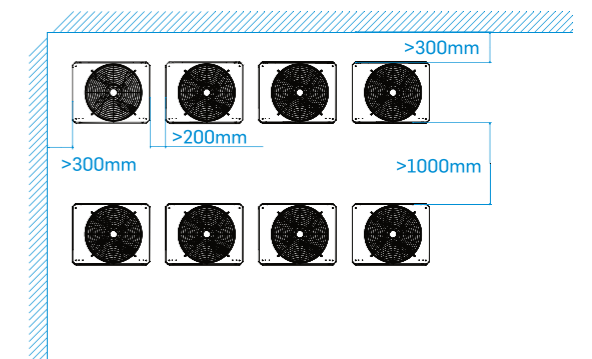
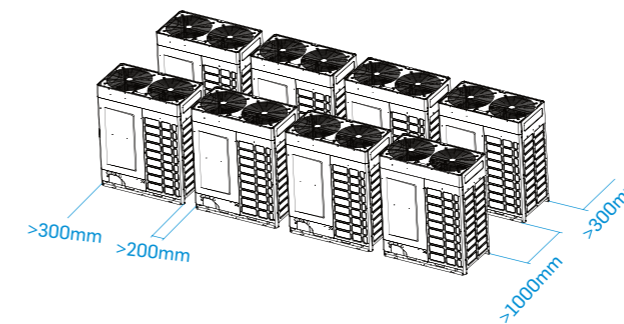


Single Fan Top Discharge



Combination Installation

Unit can be installed in the same or opposite direction

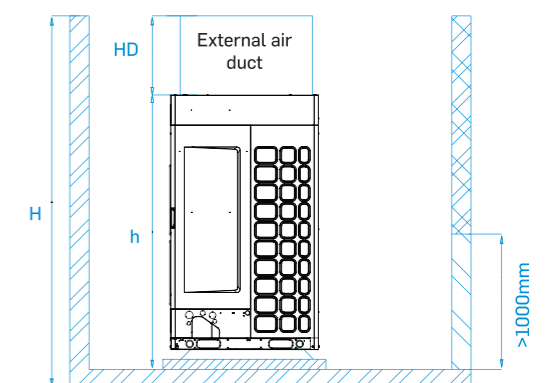


Wall Higher Than The Outdoor Condensers

Place with air inlet hole

Notes:

- Fan speed V_s at air inlet is 1.5 m/s or below.
- Air outlet height $HD = H - h$ and below 1 m.



Outdoor



Specifications

TD CO 8-24HP

Model Code	China		38VT008173BQSS	38VT010173BQSS	38VT012173BQSS	38VT014173BQSS	38VT016173BQSS	
	Thailand		38VT008173BKSS	38VT010173BKSS	38VT012173BKSS	38VT014173BKSS	38VT016173BKSS	
Combination Model Code			/	/	/	/	/	
			/	/	/	/	/	
			/	/	/	/	/	
			/	/	/	/	/	
Capacity	Capacity Range	HP	8	10	12	14	16	
	Cooling	kW	22.4	28.0	33.5	40.0	45.0	
Electrical Parameters	Power Supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	4.65	6.02	7.74	9.50	10.98
		Max Power Input	kW	11.15	11.53	12.09	15.7	18.42
		Rated Current	A	7.85	10.17	13.06	16.04	18.53
		Max Current	A	18.20	18.91	19.74	26.62	30.32
	EER		4.82	4.65	4.33	4.21	4.10	
Performance	Air Flow (H)	m3/h	11000	11000	12000	13500	13500	
	Sound Pressure Level (H)	dB(A)	59.0	59.0	59.0	60.0	61.0	
	Sound Power Level (H)	dB(A)	73.0	73.0	73.0	74.0	75.0	
Installation	External Dimensions(W/D/H)	mm	980*750*1690	980/750/1690	980/750/1690	980/750/1690	980/750/1690	
	Shipping Dimensions(W/D/H)	mm	1070/850/1858	1070/850/1858	1070/850/1858	1070/850/1858	1070/850/1858	
	Net/Shipping Weight	kg	201/226	201/226	201/226	202/227	220/245	
	Compressor Type		DC INV. Twin-Rotary					
	Compressor Quantity		1INV	1INV	1INV	1INV	1INV	
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	9kg	9kg	9kg	9kg	10kg	
	Refrigerant Liquid Pipe	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	
	Refrigerant Gas Pipe	mm	Φ19.05	Φ22.22	Φ25.4	Φ25.4	Φ28.58	
	Max.total Pipe Length	m	1000	1000	1000	1000	1000	
	Max. Pipe Length(Equivalent/ Actual)	m	260/220	260/220	260/220	260/220	260/220	
	"Max Drop Between I.U.&O.U (O.U Down/Up) *1"	m	110/90	110/90	110/90	110/90	110/90	
	Max Drop Between I.U *2	m	30	30	30	30	30	
	External Static Pressure	Pa	110	110	110	110	110	
Connection Ratio	Connectable Indoor Unit Ratio *4	%	50-200 With Limitation					
	Maximum Number Of Indoor Units *3(Std/Max)		13(20)	16(25)	19(30)	23(36)	26(40)	
Working Temp.	Cooling	°C	-5-53					

Model Code	China		38VT018173BQSS	38VT020173BQSS	38VT022173BQSS	38VT024173BQSS	
	Thailand		38VT018173BKSS	38VT020173BKSS	38VT022173BKSS	38VT024173BKSS	
Combination Model Code			/	/	/	/	
			/	/	/	/	
			/	/	/	/	
			/	/	/	/	
Capacity	Capacity Range	HP	18	20	22	24	
	Cooling	kW	50.0	56.0	61.5	67.0	
Electrical Parameters	Power Supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	12.22	13.93	15.38	17.87
		Max Power Input	kW	21.86	33.01	33.31	33.64
		Rated Current	A	20.64	23.52	25.96	30.16
		Max Current	A	34.26	53.55	54.21	54.70
	EER		4.09	4.02	4.00	3.75	
Performance	Air Flow (H)	m3/h	13500	17000	18000	19000	
	Sound Pressure Level (H)	dB(A)	62.0	63.0	63.0	64.0	
	Sound Power Level (H)	dB(A)	76.0	77.0	77.0	78.0	
Installation	External Dimensions(W/D/H)	mm	980/750/1690	1410/750/1690	1410/750/1690	1410/750/1690	
	Shipping Dimensions(W/D/H)	mm	1070/850/1858	1515/850/1858	1515/850/1858	1515/850/1858	
	Net/Shipping Weight	kg	224/249	300/329	300/329	310/339	
	Compressor Type		DC INV. Twin-Rotary				
	Compressor Quantity		1INV	2INV	2INV	2INV	
	Refrigerant Type		R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	10kg	10kg	10kg	10kg	
	Refrigerant Liquid Pipe	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	
	Refrigerant Gas Pipe	mm	Φ28.58	Φ28.58	Φ28.58	Φ28.58	
	Max.total Pipe Length	m	1000	1000	1000	1000	
	Max. Pipe Length(Equivalent/ Actual)	m	260/220	260/220	260/220	260/220	
	"Max Drop Between I.U.&O.U (O.U Down/Up) *1"	m	110/90	110/90	110/90	110/90	
	Max Drop Between I.U *2	m	30	30	30	30	
	External Static Pressure	Pa	110	110	110	110	
Connection Ratio	Connectable Indoor Unit Ratio *4	%	50-200 With Limitation				
	Maximum Number Of Indoor Units *3(Std/Max)		29(45)	33(50)	36(55)	39(60)	
Working Temp.	Cooling	°C	-5-53				

Max drop between I.U.&O.U *1
 •If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
 Max drop between I.U. *2
 •If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
 Maximum number of indoor units*3
 •Std:50-130% connection ratio; Max: 50-200% connection ratio
 Connectable indoor unit ratio *4
 •Up to 200% with limitation. For more information, please refer to technical manuals

* All the specifications are tested under nominal condition (in cooling, indoor temp. is 27°C DB/19°C WB; Outdoor temp 35°C DB/24WB);



Specifications

TD CO 26-40HP

Model Code	China		38VT026173BQSS	38VT028173BQSS	38VT030S73BQSS	38VT032S73BQSS	
	Thailand		38VT026173BKSS	38VT028173BKSS	38VT030S73BKSS	38VT032S73BKSS	
Combination Model Code			/	/	38VT014173BQ(K)SS	38VT016173BQ(K)SS	
			/	/	38VT016173BQ(K)SS	38VT016173BQ(K)SS	
			/	/	/	/	
			/	/	/	/	
Capacity	Capacity Range	HP	26	28	30	32	
	Cooling	kW	73.0	78.0	85.0	90.0	
Electrical Parameters	Power Supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	18.20	19.65	20.5	22.0
		Max Power Input	kW	33.92	34.24	34.1	36.8
		Rated Current	A	30.73	33.17	34.6	37.1
		Max Current	A	55.23	55.7	56.9	60.6
	EER		4.01	3.97	4.15	4.10	
Performance	Air Flow (H)	m3/h	19000	19000	13500+13500	13500+13500	
	Sound Pressure Level (H)	dB(A)	64.0	64.0	63.5	64.0	
	Sound Power Level (H)	dB(A)	78.0	78.0	77.5	78.0	
Installation	External Dimensions(W/D/H)	mm	1410/750/1690	1410/750/1690	980*750*1690+980*750*1690		
	Shipping Dimensions(W/D/H)	mm	1515/850/1858	1515/850/1858	1070/850/1858+1070/850/1858		
	Net/Shipping Weight	kg	310/339	310/339	202/227+220/245	220/245+220/245	
	Compressor Type		DC INV. Twin-Rotary				
	Compressor Quantity		2INV	2INV	1INV+1INV	1INV+1INV	
	Refrigerant Type		R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	10kg	10kg	9kg+10kg	10kg+10kg	
	Refrigerant Liquid Pipe	mm	Φ15.88	Φ15.88	Φ19.05	Φ19.05	
	Refrigerant Gas Pipe	mm	Φ28.58	Φ28.58	Φ31.8	Φ31.8	
	Max.total Pipe Length	m	1000	1000	1000	1000	
	Max. Pipe Length(Equivalent/ Actual)	m	260/220	260/220	260/220	260/220	
	"Max Drop Between I.U.&O.U (O.U Down/Up) *1"	m	110/90	110/90	110/90	110/90	
	Max Drop Between I.U *2	m	30	30	30	30	
	External Static Pressure	Pa	110	110	110	110	
	Connection Ratio	Connectable Indoor Unit Ratio *4	%	50-200 With Limitation			
Maximum Number Of Indoor Units *3(Std/Max)			43(64)	46(64)	50(64)	53(64)	
Working Temp.	Cooling	°C	-5-53				

Model Code	China		38VT034S73BQSS	38VT036S73BQSS	38VT038S73BQSS	38VT040S73BQSS	
	Thailand		38VT034S73BKSS	38VT036S73BKSS	38VT038S73BKSS	38VT040S73BKSS	
Combination Model Code			38VT016173BQ(K)SS	38VT018173BQ(K)SS	38VT018173BQ(K)SS	38VT020173BQ(K)SS	
			38VT018173BQ(K)SS	38VT018173BQ(K)SS	38VT020173BQ(K)SS	38VT020173BQ(K)SS	
			/	/	/	/	
			/	/	/	/	
Capacity	Capacity Range	HP	34	36	38	40	
	Cooling	kW	95.0	100.0	106.0	112.0	
Electrical Parameters	Power Supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	23.2	24.4	26.2	27.9
		Max Power Input	kW	40.3	43.7	54.9	66.0
		Rated Current	A	39.2	41.3	44.2	47.0
		Max Current	A	64.6	68.5	87.8	107.1
	EER		4.09	4.09	4.05	4.02	
Performance	Air Flow (H)	m3/h	13500+13500	13500+13500	13500+17000	17000+17000	
	Sound Pressure Level (H)	dB(A)	64.5	65.0	65.5	66.0	
	Sound Power Level (H)	dB(A)	78.5	79.0	79.5	80.0	
Installation	External Dimensions(W/D/H)	mm	980*750*1690+980*750*1690		980*750*1690+1410/750/1690		
	Shipping Dimensions(W/D/H)	mm	1070/850/1858+1515/850/1858		1515/850/1858+1515/850/1858		
	Net/Shipping Weight	kg	220/245+224/249	224/249+224/249	224/249+300/329	300/329+300/329	
	Compressor Type		DC INV. Twin-Rotary				
	Compressor Quantity		1INV+1INV	1INV+1INV	1INV+2INV	2INV+2INV	
	Refrigerant Type		R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	10kg+10kg	10kg+10kg	10kg+10kg	10kg+10kg	
	Refrigerant Liquid Pipe	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	
	Refrigerant Gas Pipe	mm	Φ31.8	Φ38.1	Φ38.1	Φ38.1	
	Max.total Pipe Length	m	1000	1000	1000	1000	
	Max. Pipe Length(Equivalent/ Actual)	m	260/220	260/220	260/220	260/220	
	"Max Drop Between I.U.&O.U (O.U Down/Up) *1"	m	110/90	110/90	110/90	110/90	
	Max Drop Between I.U *2	m	30	30	30	30	
	External Static Pressure	Pa	110	110	110	110	
	Connection Ratio	Connectable Indoor Unit Ratio *4	%	50-200 With Limitation			
Maximum Number Of Indoor Units *3(Std/Max)			56(64)	59(64)	63(64)	64	
Working Temp.	Cooling	°C	-5-53				

Max drop between I.U.&O.U *1
 •If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
 Max drop between I.U. *2
 •If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
 Maximum number of indoor units*3
 •Std:50-130% connection ratio; Max: 50-200% connection ratio
 Connectable indoor unit ratio *4
 •Up to 200% with limitation.For more information ,please refer to technical manuals

* All the specifications are tested under nominal condition(in cooling, indoor temp. is 27°C DB/19°C WB;Outdoor temp 35°C DB/24WB);



Specifications

TD CO 42-56HP

Model Code	China		38VT042S73BQSS	38VT044S73BQSS	38VT046S73BQSS	38VT048S73BQSS	
	Thailand		38VT042S73BKSS	38VT044S73BKSS	38VT046S73BKSS	38VT048S73BKSS	
Combination Model Code			38VT020173BQ(K)SS	38VT022173BQ(K)SS	38VT022173BQ(K)SS	38VT024173BQ(K)SS	
			38VT022173BQ(K)SS	38VT022173BQ(K)SS	38VT024173BQ(K)SS	38VT024173BQ(K)SS	
			/	/	/	/	
			/	/	/	/	
Capacity	Capacity Range	HP	42	44	46	48	
	Cooling	kW	117.5	123.0	128.5	134.0	
Electrical Parameters	Power Supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	29.3	30.8	33.2	35.7
		Max Power Input	kW	66.3	66.6	67.0	67.3
		Rated Current	A	49.5	51.9	56.1	60.3
		Max Current	A	107.8	108.4	108.9	109.4
	EER		4.01	4.00	3.87	3.75	
Performance	Air Flow (H)	m3/h	17000+18000	18000+18000	18000+19000	19000+19000	
	Sound Pressure Level (H)	dB(A)	66.0	66.0	66.5	67.0	
	Sound Power Level (H)	dB(A)	80.0	80.0	80.5	81.0	
Installation	External Dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690				
	Shipping Dimensions(W/D/H)	mm	1515/850/1858+1515/850/1858				
	Net/Shipping Weight	kg	300/329+300/329	300/329+300/329	300/329+310/339	310/339+310/339	
	Compressor Type		DC INV. Twin-Rotary				
	Compressor Quantity		2INV+2INV	2INV+2INV	2INV+2INV	2INV+2INV	
	Refrigerant Type		R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	10kg+10kg	10kg+10kg	10kg+10kg	10kg+10kg	
	Refrigerant Liquid Pipe	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	
	Refrigerant Gas Pipe	mm	Φ38.1	Φ38.1	Φ38.1	Φ38.1	
	Max.total Pipe Length	m	1000	1000	1000	1000	
	Max. Pipe Length(Equivalent/ Actual)	m	260/220	260/220	260/220	260/220	
	"Max Drop Between I.U.&O.U (O.U Down/Up) *1"	m	110/90	110/90	110/90	110/90	
	Max Drop Between I.U *2	m	30	30	30	30	
	External Static Pressure	Pa	110	110	110	110	
	Connection Ratio	Connectable Indoor Unit Ratio *4	%	50-200 With Limitation			
Maximum Number Of Indoor Units *3(Std/Max)			64	64	64	64	
Working Temp.	Cooling	°C	-5-53				

Max drop between I.U.&O.U *1
 •If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
 Max drop between I.U. *2
 •If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
 Maximum number of indoor units*3
 •Std:50-130% connection ratio; Max: 50-200% connection ratio
 Connectable indoor unit ratio *4
 •Up to 200% with limitation.For more information ,please refer to technical manuals

Model Code	China		38VT050S73BQSS	38VT052S73BQSS	38VT054S73BQSS	38VT056S73BQSS	
	Thailand		38VT050S73BKSS	38VT052S73BKSS	38VT054S73BKSS	38VT056S73BKSS	
Combination Model Code			38VT024173BQ(K)SS	38VT026173BQ(K)SS	38VT026173BQ(K)SS	38VT028173BQ(K)SS	
			38VT026173BQ(K)SS	38VT026173BQ(K)SS	38VT028173BQ(K)SS	38VT028173BQ(K)SS	
			/	/	/	/	
			/	/	/	/	
Capacity	Capacity Range	HP	50	52	54	56	
	Cooling	kW	140.0	146.0	151.0	156.0	
Electrical Parameters	Power Supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	36.1	36.4	37.9	39.3
		Max Power Input	kW	67.6	67.8	68.2	68.5
		Rated Current	A	60.9	61.5	63.9	66.3
		Max Current	A	109.9	110.5	110.9	111.4
	EER		3.88	4.01	3.99	3.97	
Performance	Air Flow (H)	m3/h	19000+19000	19000+19000	19000+19000	19000+19000	
	Sound Pressure Level (H)	dB(A)	67.0	67.0	67.0	67.0	
	Sound Power Level (H)	dB(A)	81.0	81.0	81.0	81.0	
Installation	External Dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690				
	Shipping Dimensions(W/D/H)	mm	1515/850/1858+1515/850/1858				
	Net/Shipping Weight	kg	310/339+310/339	310/339+310/339	310/339+310/339	310/339+310/339	
	Compressor Type		DC INV. Twin-Rotary				
	Compressor Quantity		2INV+2INV	2INV+2INV	2INV+2INV	2INV+2INV	
	Refrigerant Type		R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	10kg+10kg	10kg+10kg	10kg+10kg	10kg+10kg	
	Refrigerant Liquid Pipe	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	
	Refrigerant Gas Pipe	mm	Φ38.1	Φ38.1	Φ38.1	Φ38.1	
	Max.total Pipe Length	m	1000	1000	1000	1000	
	Max. Pipe Length(Equivalent/ Actual)	m	260/220	260/220	260/220	260/220	
	"Max Drop Between I.U.&O.U (O.U Down/Up) *1"	m	110/90	110/90	110/90	110/90	
	Max Drop Between I.U *2	m	30	30	30	30	
	External Static Pressure	Pa	110	110	110	110	
	Connection Ratio	Connectable Indoor Unit Ratio *4	%	50-200 With Limitation			
Maximum Number Of Indoor Units *3(Std/Max)			64	64	64	64	
Working Temp.	Cooling	°C	-5-53				

* All the specifications are tested under nominal condition(in cooling, indoor temp. is 27°C DB/19°C WB;Outdoor temp 35°C DB/24WB;)



Specifications

TD CO 58-76HP

Model Code			China	38VT058S73BQSS	38VT060S73BQSS	38VT062S73BQSS	38VT064S73BQSS	38VT066S73BQSS
			Thailand	38VT058S73BKSS	38VT060S73BKSS	38VT062S73BKSS	38VT064S73BKSS	38VT066S73BKSS
Combination Model Code				38VT018173BQ(K)SS	38VT020173BQ(K)SS	38VT020173BQ(K)SS	38VT020173BQ(K)SS	38VT022173BQ(K)SS
				38VT020173BQ(K)SS	38VT020173BQ(K)SS	38VT020173BQ(K)SS	38VT022173BQ(K)SS	38VT022173BQ(K)SS
				38VT020173BQ(K)SS	38VT020173BQ(K)SS	38VT022173BQ(K)SS	38VT022173BQ(K)SS	38VT022173BQ(K)SS
				/	/	/	/	/
Capacity	Capacity Range	HP	58	60	62	64	66	
	Cooling	kW	162.0	168.0	173.5	179.0	184.5	
Electrical Parameters	Power Supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	40.1	41.8	43.2	44.7	46.1
		Max Power Input	kW	87.9	99.0	99.3	99.6	99.9
		Rated Current	A	67.7	70.6	73.0	75.4	77.9
		Max Current	A	141.4	160.7	161.3	162.0	162.6
EER		4.04	4.02	4.01	4.01	4.00		
Performance	Air Flow (H)	m3/h	13500+17000+17000	17000+17000+17000	17000+17000+18000	17000+18000+18000	18000+18000+18000	
	Sound Pressure Level (H)	dB(A)	67.5	67.5	67.5	67.5	67.5	
	Sound Power Level (H)	dB(A)	81.5	81.5	81.5	81.5	81.5	
Installation	External Dimensions(W/D/H)	mm	980*750*1690+1410/750/1690+1410/750/1690	1410/750/1690+1410/750/1690+1410/750/1690				
	Shipping Dimensions(W/D/H)	mm	1070/850/1858+1515/850/1858+1515/850/1858	1515/850/1858+1515/850/1858+1515/850/1858				
	Net/Shipping Weight	kg	224/249+300/329+300/329	300/329+300/329+300/329				
	Compressor Type		DC INV. Twin-Rotary					
	Compressor Quantity		1INV+2INV+2INV	2INV+2INV+2INV	2INV+2INV+2INV	2INV+2INV+2INV	2INV+2INV+2INV	
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	10kg+10kg+10kg	10kg+10kg+10kg	10kg+10kg+10kg	10kg+10kg+10kg	10kg+10kg+10kg	
	Refrigerant Liquid Pipe	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05	
	Refrigerant Gas Pipe	mm	Φ41.3	Φ41.3	Φ41.3	Φ41.3	Φ41.3	
	Max.total Pipe Length	m	1000	1000	1000	1000	1000	
	Max. Pipe Length(Equivalent/ Actual)	m	260/220	260/220	260/220	260/220	260/220	
	"Max Drop Between I.U.&O.U (O.U Down/Up) *1"	m	110/90	110/90	110/90	110/90	110/90	
	Max Drop Between I.U *2	m	30	30	30	30	30	
External Static Pressure	Pa	110	110	110	110	110		
Connection Ratio	Connectable Indoor Unit Ratio *4	%	50-200 With Limitation					
	Maximum Number Of Indoor Units *3(Std/Max)		64	64	64	64	64	
Working Temp.	Cooling	°C	-5-53					

Max drop between I.U.&O.U *1
 •If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
 Max drop between I.U. *2
 •If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
 Maximum number of indoor units*3
 •Std:50-130% connection ratio; Max: 50-200% connection ratio
 Connectable indoor unit ratio *4
 •Up to 200% with limitation.For more information ,please refer to technical manuals

Model Code			China	38VT068S73BQSS	38VT070S73BQSS	38VT072S73BQSS	38VT074S73BQSS	38VT076S73BQSS
			Thailand	38VT068S73BKSS	38VT070S73BKSS	38VT072S73BKSS	38VT074S73BKSS	38VT076S73BKSS
Combination Model Code				38VT022173BQ(K)SS	38VT022173BQ(K)SS	38VT024173BQ(K)SS	38VT024173BQ(K)SS	38VT024173BQ(K)SS
				38VT022173BQ(K)SS	38VT024173BQ(K)SS	38VT024173BQ(K)SS	38VT024173BQ(K)SS	38VT026173BQ(K)SS
				38VT024173BQ(K)SS	38VT024173BQ(K)SS	38VT024173BQ(K)SS	38VT026173BQ(K)SS	38VT026173BQ(K)SS
				/	/	/	/	/
Capacity	Capacity Range	HP	68	70	72	74	76	
	Cooling	kW	190.0	195.5	201.0	207.0	213.0	
Electrical Parameters	Power Supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	48.6	51.1	53.6	53.9	54.3
		Max Power Input	kW	100.3	100.6	100.9	101.2	101.5
		Rated Current	A	82.1	86.3	90.5	91.1	91.6
		Max Current	A	163.1	163.6	164.1	164.6	165.2
EER		3.91	3.82	3.75	3.84	3.92		
Performance	Air Flow (H)	m3/h	18000+18000+19000	18000+19000+19000	19000+19000+19000			
	Sound Pressure Level (H)	dB(A)	68.0	68.5	68.5	68.5	68.5	
	Sound Power Level (H)	dB(A)	82.0	82.5	82.5	82.5	82.5	
Installation	External Dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690					
	Shipping Dimensions(W/D/H)	mm	1515/850/1858+1515/850/1858+1515/850/1858					
	Net/Shipping Weight	kg	300/329+300/329+310/339					
	Compressor Type		DC INV. Twin-Rotary					
	Compressor Quantity		2INV+2INV+2INV	2INV+2INV+2INV	2INV+2INV+2INV	2INV+2INV+2INV	2INV+2INV+2INV	
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	10kg+10kg+10kg	10kg+10kg+10kg	10kg+10kg+10kg	10kg+10kg+10kg	10kg+10kg+10kg	
	Refrigerant Liquid Pipe	mm	Φ22.22	Φ22.22	Φ22.22	Φ22.22	Φ22.22	
	Refrigerant Gas Pipe	mm	Φ44.5	Φ44.5	Φ44.5	Φ44.5	Φ44.5	
	Max.total Pipe Length	m	1000	1000	1000	1000	1000	
	Max. Pipe Length(Equivalent/ Actual)	m	260/220	260/220	260/220	260/220	260/220	
	"Max Drop Between I.U.&O.U (O.U Down/Up) *1"	m	110/90	110/90	110/90	110/90	110/90	
	Max Drop Between I.U *2	m	30	30	30	30	30	
External Static Pressure	Pa	110	110	110	110	110		
Connection Ratio	Connectable Indoor Unit Ratio *4	%	50-200 With Limitation					
	Maximum Number Of Indoor Units *3(Std/Max)		64	64	64	64	64	
Working Temp.	Cooling	°C	-5-53					

* All the specifications are tested under nominal condition(in cooling, indoor temp. is 27°C DB/19°C WB;Outdoor temp 35°C DB/24WB);



Specifications

TD CO 78-94HP

Model Code	China		38VT078S73BQSS	38VT080S73BQSS	38VT082S73BQSS	38VT084S73BQSS	
	Thailand		38VT078S73BKSS	38VT080S73BKSS	38VT082S73BKSS	38VT084S73BKSS	
Combination Model Code			38VT026173BQ(K)SS	38VT026173BQ(K)SS	38VT026173BQ(K)SS	38VT028173BQ(K)SS	
			38VT026173BQ(K)SS	38VT026173BQ(K)SS	38VT028173BQ(K)SS	38VT028173BQ(K)SS	
			38VT026173BQ(K)SS	38VT028173BQ(K)SS	38VT028173BQ(K)SS	38VT028173BQ(K)SS	
			/	/	/	/	
Capacity	Capacity Range	HP	78	80	82	84	
	Cooling	kW	219.0	224.0	229.0	234.0	
Electrical Parameters	Power Supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	54.6	56.1	57.5	58.9
		Max Power Input	kW	101.8	102.1	102.4	102.7
		Rated Current	A	92.2	94.6	97.1	99.5
		Max Current	A	165.7	166.2	166.6	167.1
	EER		4.01	4.00	3.98	3.97	
Performance	Air Flow (H)	m3/h	19000+19000+19000	19000+19000+19000	19000+19000+19000	19000+19000+19000	
	Sound Pressure Level (H)	dB(A)	68.5	68.5	68.5	68.5	
	Sound Power Level (H)	dB(A)	82.5	82.5	82.5	82.5	
Installation	External Dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690				
	Shipping Dimensions(W/D/H)	mm	1515/850/1858+1515/850/1858+1515/850/1858				
	Net/Shipping Weight	kg	300/329+310/339+310/339				
	Compressor Type		DC INV. Twin-Rotary				
	Compressor Quantity		2INV+2INV+2INV				
	Refrigerant Type		R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	10kg+10kg+10kg	10kg+10kg+10kg	10kg+10kg+10kg	10kg+10kg+10kg	
	Refrigerant Liquid Pipe	mm	Φ22.22	Φ22.22	Φ22.22	Φ22.22	
	Refrigerant Gas Pipe	mm	Φ44.5	Φ44.5	Φ44.5	Φ44.5	
	Max.total Pipe Length	m	1000	1000	1000	1000	
	Max. Pipe Length(Equivalent/ Actual)	m	260/220	260/220	260/220	260/220	
	"Max Drop Between I.U.&O.U (O.U Down/Up) *1"	m	110/90	110/90	110/90	110/90	
	Max Drop Between I.U *2	m	30	30	30	30	
	External Static Pressure	Pa	110	110	110	110	
Connection Ratio	Connectable Indoor Unit Ratio *4	%	50-200 With Limitation				
	Maximum Number Of Indoor Units *3(Std/Max)		64	64	64	64	
Working Temp.	Cooling	°C	-5-53				

Model Code	China		38VT086S73BQSS	38VT088S73BQSS	38VT090S73BQSS	38VT092S73BQSS	38VT094S73BQSS	
	Thailand		38VT086S73BKSS	38VT088S73BKSS	38VT090S73BKSS	38VT092S73BKSS	38VT094S73BKSS	
Combination Model Code			38VT020173BQ(K)SS	38VT022173BQ(K)SS	38VT022173BQ(K)SS	38VT022173BQ(K)SS	38VT022173BQ(K)SS	
			38VT022173BQ(K)SS	38VT022173BQ(K)SS	38VT022173BQ(K)SS	38VT022173BQ(K)SS	38VT024173BQ(K)SS	
			38VT022173BQ(K)SS	38VT022173BQ(K)SS	38VT022173BQ(K)SS	38VT024173BQ(K)SS	38VT024173BQ(K)SS	
			38VT022173BQ(K)SS	38VT022173BQ(K)SS	38VT024173BQ(K)SS	38VT024173BQ(K)SS	38VT024173BQ(K)SS	
			38VT022173BQ(K)SS	38VT022173BQ(K)SS	38VT024173BQ(K)SS	38VT024173BQ(K)SS	38VT024173BQ(K)SS	
Capacity	Capacity Range	HP	86	88	90	92	94	
	Cooling	kW	240.5	246.0	251.5	257.0	262.5	
Electrical Parameters	Power Supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	60.1	61.5	64.0	66.5	69.0
		Max Power Input	kW	132.9	133.2	133.6	133.9	134.2
		Rated Current	A	101.4	103.8	108.0	112.2	116.4
		Max Current	A	216.2	216.8	217.3	217.8	218.3
	EER		4.00	4.00	3.93	3.87	3.81	
Performance	Air Flow (H)	m3/h	17000+18000+18000+18000	18000+18000+18000+18000	18000+18000+18000+19000	18000+18000+19000+19000	18000+19000+19000+19000	
	Sound Pressure Level (H)	dB(A)	69.0	69.0	69.0	69.5	69.5	
	Sound Power Level (H)	dB(A)	82.5	82.5	83.0	83.5	83.5	
Installation	External Dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690					
	Shipping Dimensions(W/D/H)	mm	1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858					
	Net/Shipping Weight	kg	300/329+300/329+300/329+300/329					
	Compressor Type		DC INV. Twin-Rotary					
	Compressor Quantity		2INV+2INV+2INV+2INV					
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	10kg+10kg+10kg+10kg					
	Refrigerant Liquid Pipe	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4	
	Refrigerant Gas Pipe	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8	
	Max.total Pipe Length	m	1000	1000	1000	1000	1000	
	Max. Pipe Length(Equivalent/ Actual)	m	260/220	260/220	260/220	260/220	260/220	
	"Max Drop Between I.U.&O.U (O.U Down/Up) *1"	m	110/90	110/90	110/90	110/90	110/90	
	Max Drop Between I.U *2	m	30	30	30	30	30	
	External Static Pressure	Pa	110	110	110	110	110	
Connection Ratio	Connectable Indoor Unit Ratio *4	%	50-200 With Limitation					
	Maximum Number Of Indoor Units *3(Std/Max)		64	64	64	64	64	
Working Temp.	Cooling	°C	-5-53					

Max drop between I.U.&O.U *1
 •If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
 Max drop between I.U. *2
 •If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
 Maximum number of indoor units*3
 •Std:50-130% connection ratio; Max: 50-200% connection ratio
 Connectable indoor unit ratio *4
 •Up to 200% with limitation.For more information ,please refer to technical manuals

* All the specifications are tested under nominal condition(in cooling, indoor temp. is 27°C DB/19°C WB;Outdoor temp 35°C DB/24WB);



Specifications

TD CO 96-112HP

Model Code	China		38VT096S73BQSS	38VT098S73BQSS	38VT100S73BQSS	38VT102S73BQSS	38VT104S73BQSS	
	Thailand		38VT096S73BKSS	38VT098S73BKSS	38VT100S73BKSS	38VT102S73BKSS	38VT104S73BKSS	
Combination Model Code			38VT024173BQ(K)SS	38VT024173BQ(K)SS	38VT024173BQ(K)SS	38VT024173BQ(K)SS	38VT026173BQ(K)SS	
			38VT024173BQ(K)SS	38VT024173BQ(K)SS	38VT024173BQ(K)SS	38VT026173BQ(K)SS	38VT026173BQ(K)SS	
			38VT024173BQ(K)SS	38VT024173BQ(K)SS	38VT026173BQ(K)SS	38VT026173BQ(K)SS	38VT026173BQ(K)SS	
			38VT024173BQ(K)SS	38VT026173BQ(K)SS	38VT026173BQ(K)SS	38VT026173BQ(K)SS	38VT026173BQ(K)SS	
Capacity	Capacity Range	HP	96	98	100	102	104	
	Cooling	kW	268.0	274.0	280.0	286.0	292.0	
Electrical Parameters	Power Supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	71.5	71.8	72.1	72.5	72.8
		Max Power Input	kW	134.6	134.8	135.1	135.4	135.7
		Rated Current	A	120.7	121.2	121.8	122.4	122.9
		Max Current	A	218.8	219.3	219.9	220.4	220.9
	EER		3.75	3.82	3.88	3.95	4.01	
Performance	Air Flow (H)	m3/h	19000+19000+19000+19000					
	Sound Pressure Level (H)	dB(A)	70.0	70.0	70.0	70.0	70.0	
	Sound Power Level (H)	dB(A)	84.0	84.0	84.0	84.0	84.0	
Installation	External Dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690					
	Shipping Dimensions(W/D/H)	mm	1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858					
	Net/Shipping Weight	kg	310/339+310/339+310/339+310/339					
	Compressor Type		DC INV. Twin-Rotary					
	Compressor Quantity		2INV+2INV+2INV+2INV					
	Refrigerant Type		R410A	R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	10kg+10kg+10kg+10kg					
	Refrigerant Liquid Pipe	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4	
	Refrigerant Gas Pipe	mm	Φ50.8	Φ54.1	Φ54.1	Φ54.1	Φ54.1	
	Max.total Pipe Length	m	1000	1000	1000	1000	1000	
	Max. Pipe Length(Equivalent/ Actual)	m	260/220	260/220	260/220	260/220	260/220	
	"Max Drop Between I.U.&O.U (O.U Down/Up) *1"	m	110/90	110/90	110/90	110/90	110/90	
	Max Drop Between I.U *2	m	30	30	30	30	30	
	External Static Pressure	Pa	110	110	110	110	110	
Connection Ratio	Connectable Indoor Unit Ratio *4	%	50-200 With Limitation					
	Maximum Number Of Indoor Units *3(Std/Max)		64	64	64	64	64	
Working Temp.	Cooling	°C	-5-53					

Model Code	China		38VT106S73BQSS	38VT108S73BQSS	38VT110S73BQSS	38VT112S73BQSS	
	Thailand		38VT106S73BKSS	38VT108S73BKSS	38VT110S73BKSS	38VT112S73BKSS	
Combination Model Code			38VT026173BQ(K)SS	38VT026173BQ(K)SS	38VT026173BQ(K)SS	38VT028173BQ(K)SS	
			38VT026173BQ(K)SS	38VT026173BQ(K)SS	38VT028173BQ(K)SS	38VT028173BQ(K)SS	
			38VT026173BQ(K)SS	38VT028173BQ(K)SS	38VT028173BQ(K)SS	38VT028173BQ(K)SS	
			38VT028173BQ(K)SS	38VT028173BQ(K)SS	38VT028173BQ(K)SS	38VT028173BQ(K)SS	
Capacity	Capacity Range	HP	106	108	110	112	
	Cooling	kW	297.0	302.0	307.0	312.0	
Electrical Parameters	Power Supply	Ph/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60	
	Cooling	Rated Power Input	kW	74.3	75.7	77.1	78.6
		Max Power Input	kW	136.0	136.3	136.6	137.0
		Rated Current	A	125.4	127.8	130.2	132.7
		Max Current	A	221.4	221.9	222.3	222.8
	EER		4.00	3.99	3.98	3.97	
Performance	Air Flow (H)	m3/h	19000+19000+19000+19000				
	Sound Pressure Level (H)	dB(A)	70.0	70.0	70.0	70.0	
	Sound Power Level (H)	dB(A)	84.0	84.0	84.0	84.0	
Installation	External Dimensions(W/D/H)	mm	1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690				
	Shipping Dimensions(W/D/H)	mm	1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858				
	Net/Shipping Weight	kg	310/339+310/339+310/339+310/339				
	Compressor Type		DC INV. Twin-Rotary				
	Compressor Quantity		2INV+2INV+2INV+2INV				
	Refrigerant Type		R410A	R410A	R410A	R410A	
	Refrigerant Charge	kg	10kg+10kg+10kg+10kg				
	Refrigerant Liquid Pipe	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	
	Refrigerant Gas Pipe	mm	Φ54.1	Φ54.1	Φ54.1	Φ54.1	
	Max.total Pipe Length	m	1000	1000	1000	1000	
	Max. Pipe Length(Equivalent/ Actual)	m	260/220	260/220	260/220	260/220	
	"Max Drop Between I.U.&O.U (O.U Down/Up) *1"	m	110/90	110/90	110/90	110/90	
	Max Drop Between I.U *2	m	30	30	30	30	
	External Static Pressure	Pa	110	110	110	110	
Connection Ratio	Connectable Indoor Unit Ratio *4	%	50-200 With Limitation				
	Maximum Number Of Indoor Units *3(Std/Max)		64	64	64	64	
Working Temp.	Cooling	°C	-5-53				

Max drop between I.U.&O.U *1
 •If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.
 Max drop between I.U. *2
 •If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.
 Maximum number of indoor units*3
 •Std:50-130% connection ratio; Max: 50-200% connection ratio
 Connectable indoor unit ratio *4
 •Up to 200% with limitation.For more information ,please refer to technical manuals

* All the specifications are tested under nominal condition(in cooling, indoor temp. is 27°C DB/19°C WB;Outdoor temp 35°C DB/24WB;)



Outdoor



SIDE DISCHARGE

Compact design for flexible application in small or narrow spaces

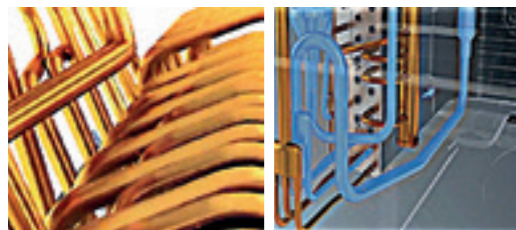


Carrier Product Benefits 4/5/6 HP



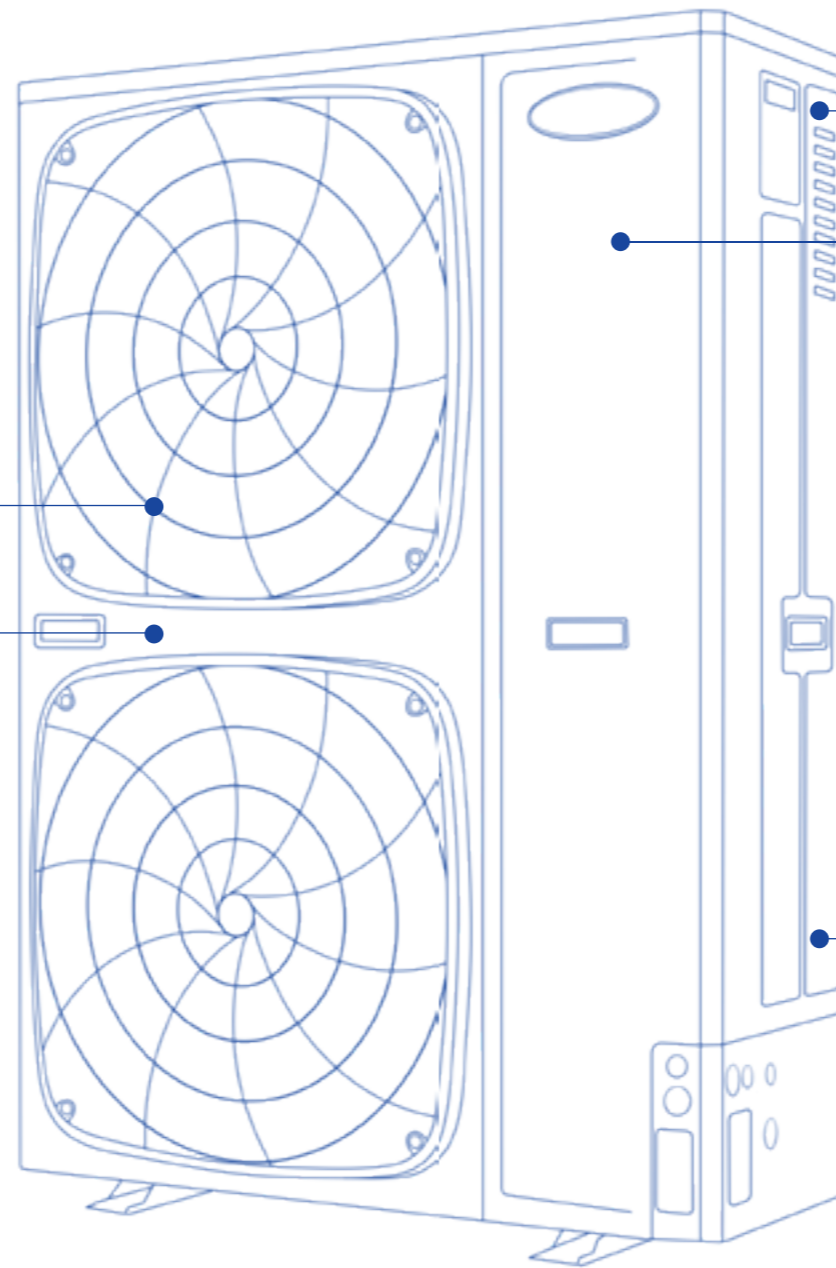
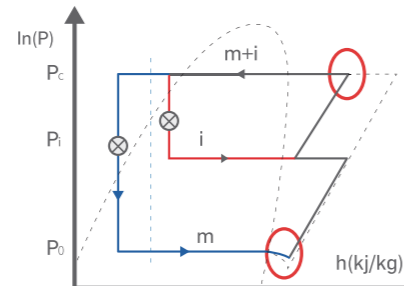
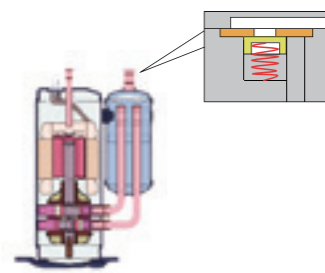
Leadership in Advanced Technology

- **Two-stage Sub-cooling Cycle Technology**
Increases unit efficiency by 9%.
- **Maximizing 30°C Sub-cooling**
Increase unit cooling capacity by 46%
- **Adding of the Sub-cooler at the Bottom of the Outdoor Exchanger**
Increases the efficiency of the sub-cooling in the system to achieve deep sub-cooling



More Powerful Heating Capacity by Enthalpy Injection

In low ambient conditions, condenser heat rejection is weakened. The amount of hot gas returning to the compressor is greatly reduced. However, the Indoor units can receive more heating capacity thanks to residual enthalpy injection from the 2nd stage subcooling.



High-Efficacy

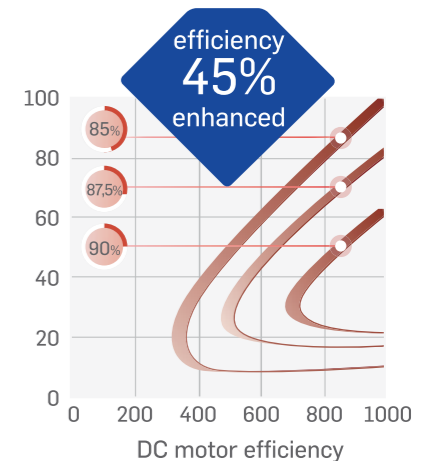
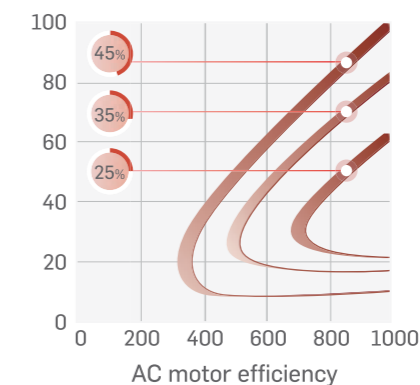
- **DC Inverter Compressor**
Carrier XCT7 unit uses DC inverter compressors, with 5% lower power input (14 kW)
- **Large 550 mm DC powered fan**
38% lower power input, 8% higher airflow
- **Larger heat exchanger**
Heat exchange area increased by 10%
- **Charge valve**
Built-in charge valve enables safer and easier maintenance
- **Low standby power**
New PCB program reduces 20% standby power consumption



DC Fan and Motor

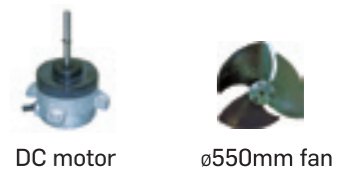
DC power brings higher efficiency to running partial load

- 16-stage speed control; high-efficiency running especially in low speed
- 45% higher efficiency than AC motors
- Lower power input



Large diameter fan

The large fan of 550 mm diameter allows for greater airflow and hence, higher efficiency



Superior Comfort

New aerodynamics fan

550mm super big diameter aerospace helix fan lowers sound level by 3dB(A)





Carrier Product Benefits 4/5/6 HP 8/10/12 HP

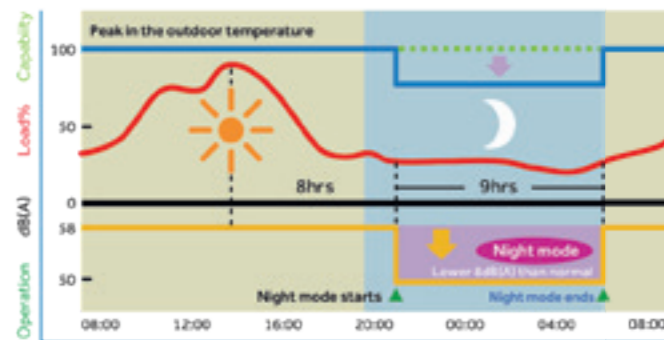


High Efficiency

- **DC Inverter Compressor**
Carrier XCT7 uses DC INV. compressors, with 5% lower power input (14 kW)
- **Larger heat exchanger**
Heat exchange area increased by 10%
- **Charge valve**
Built-in charge valve to enable safer and easier maintenance
- **Low standby power**
New PCB program to reduce 20% standby power consumption

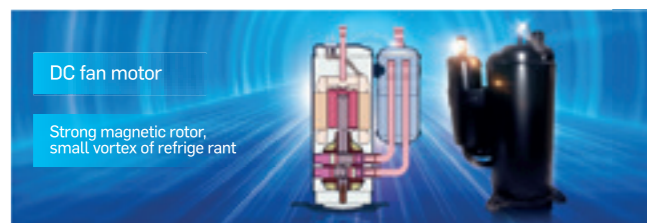
Low Noise Level

- **Night mode operation function**
Quiet Night Mode (-8 dB(A)) is also available by setting PCB
Noise can be reduced to 50 dB(A)



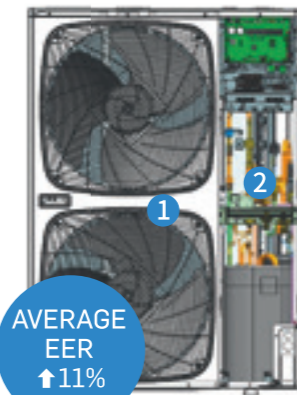
New DC inverter with twin rotary compressor

Small torque changes & good dynamic balance allows the system to run stably, with little vibration, low noise and higher efficiency when running partial load

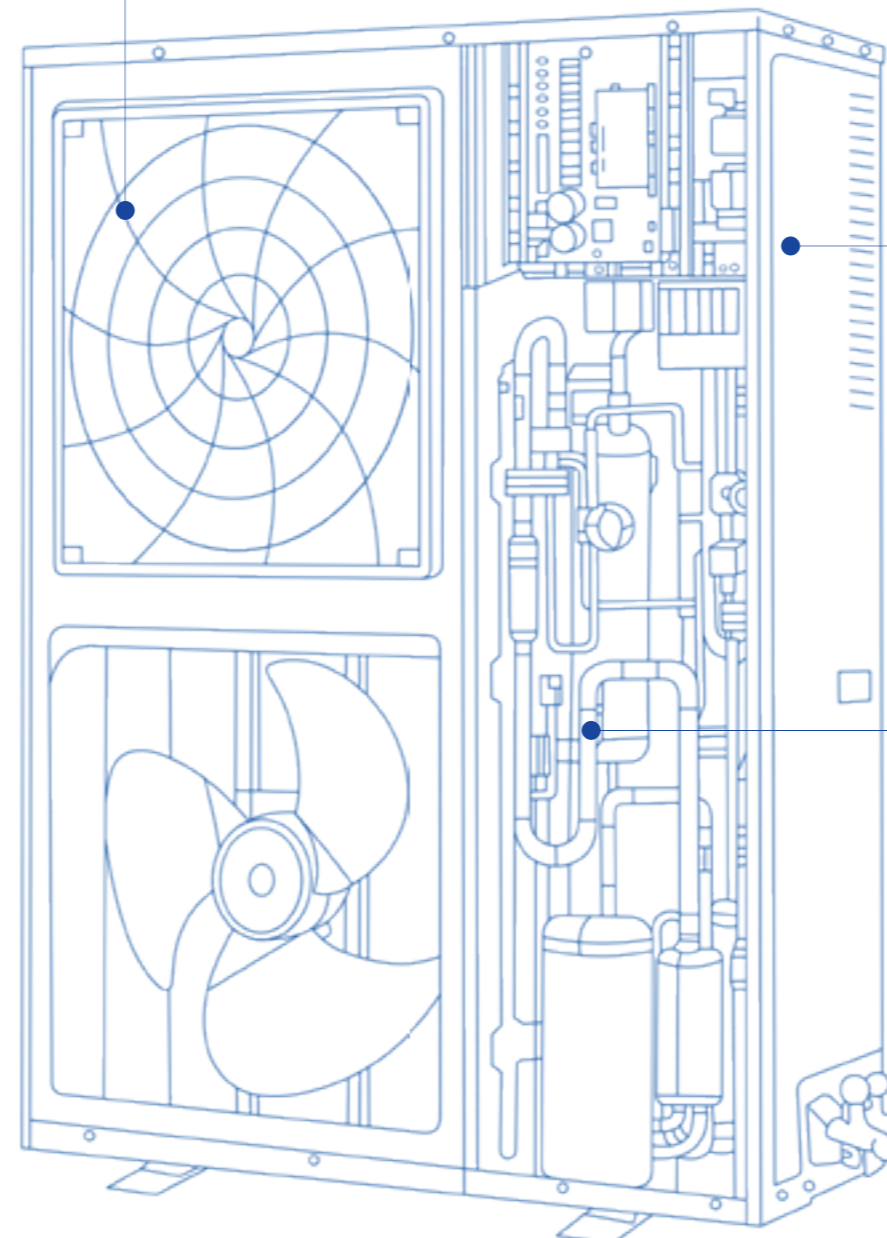


Superior Comfort

- 1 **Enlarged air inlet path and spiral air outlet**
Air flow follows the grill direction to lower sound level by 2-4 dB(A)
- 2 **Automatic sound-lowering program**
Night mode set by PCB to lower sound level by 8dB (A)



- **Vector inverter control - more precise**
- **DC fan motor bracket & non-resonance structure**
Ensures smooth running of the motor to reduce operating noise
- **DC inverter twin rotary compressor**
Smooth operation with no need to frequently start the compressor effectively reduces the outdoor noise
- **Big diameter fan**
Design according to the aviation quieter principle





Carrier Product Benefits 4/5/6 HP 8/10/12 HP



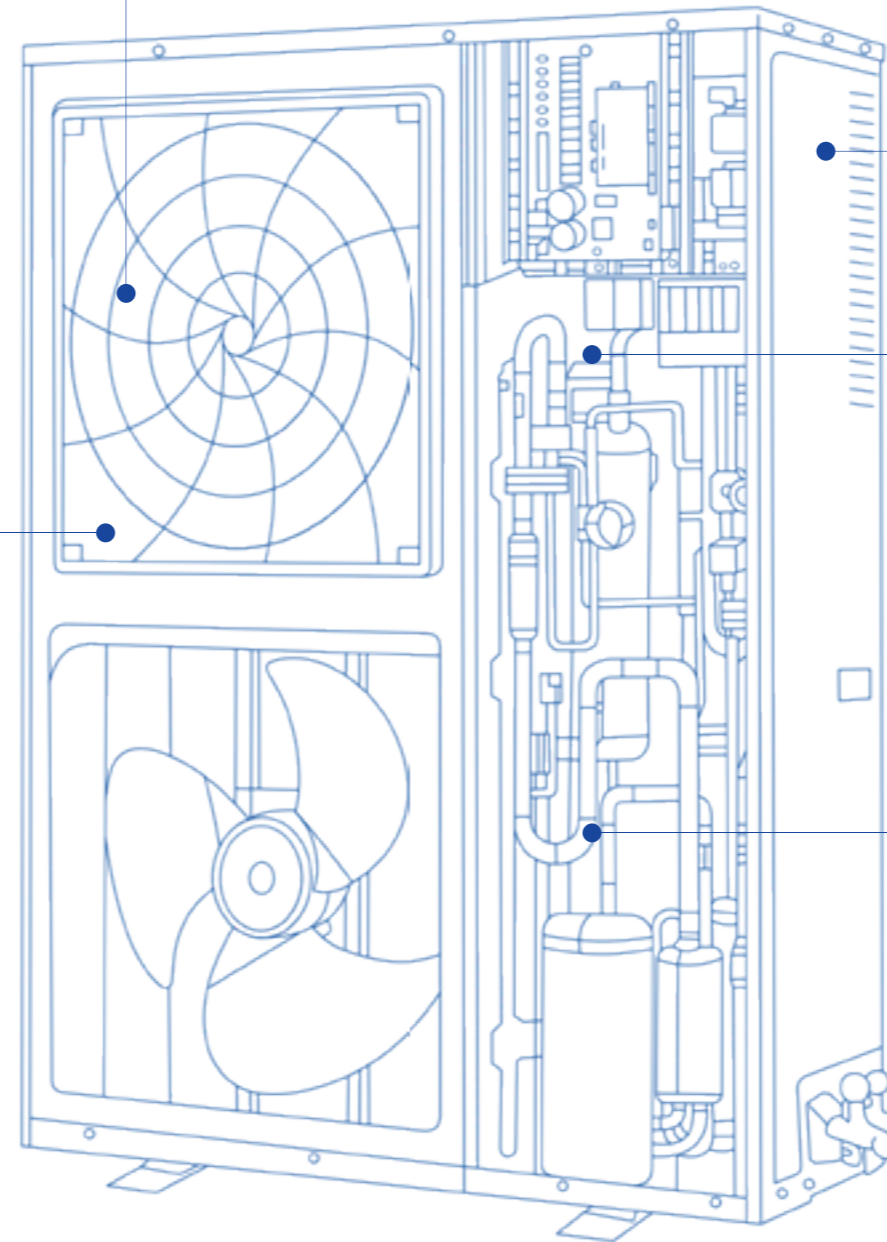
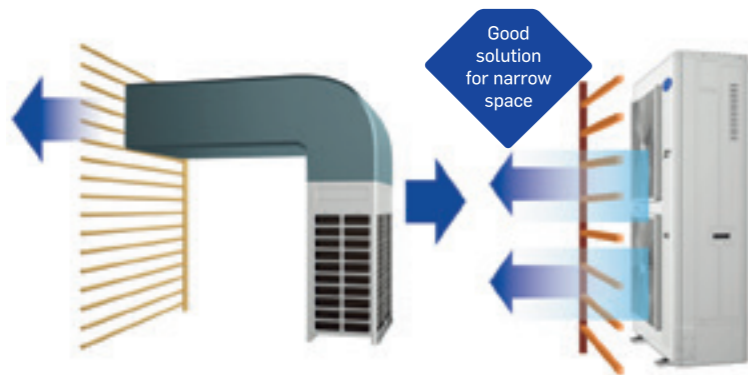
Easy Installation

- 1 **Double side '4' handles**
Easy to carry
- 2 **'888' test panel**
All running data and error codes can be checked from '888' screen, which is easy for installers
- 3 **Four-way pipe connection**
Four-way (front, back, left and right) pipe connection, easy to design and install



Compact Discharge Design

Big capacity, small footprint with only 0.42 m², to reduce floor area by as much as 43%. No need for an additional ventilation hood as compared to the top discharge unit.

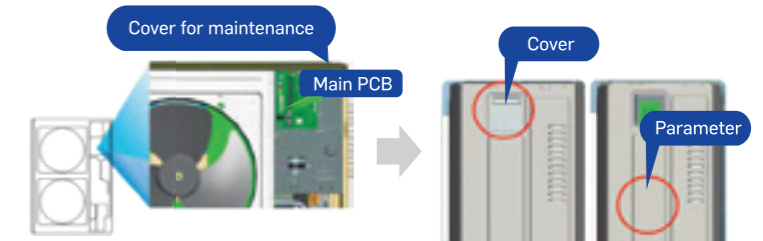


Easy Maintenance for Control

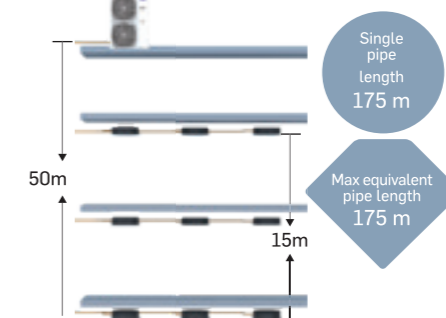
- **Front-facing, hinge design control box**
Reserving space by 108 mm between control box and top panel, the easy-to-open unit allows for maintenance from the top



- **Parameter display panel (Available only on 4-6HP)**
The first original parameter display panel is on the side
The parameter can be observed directly by opening the protective cover
No need to remove the repair board



- **Long Pipe Length, High Height Drop**
Total pipe length: 300 m
Single pipe length: Max.175 m



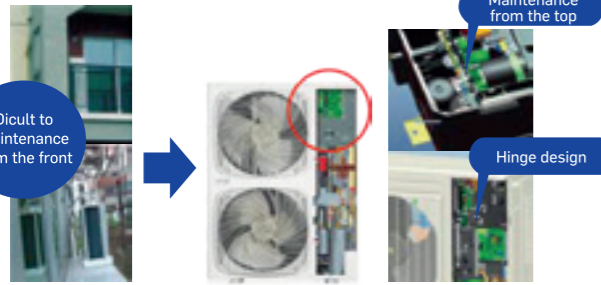


Carrier Product Benefits 4/5/6 HP 8/10/12 HP



Easy Maintenance for Control

The control box is in front, reserving 108 mm between the control box and top panel, and along with the hinge design, allows for easy maintenance from the top



Difficult to maintenance from the front

Maintenance from the top

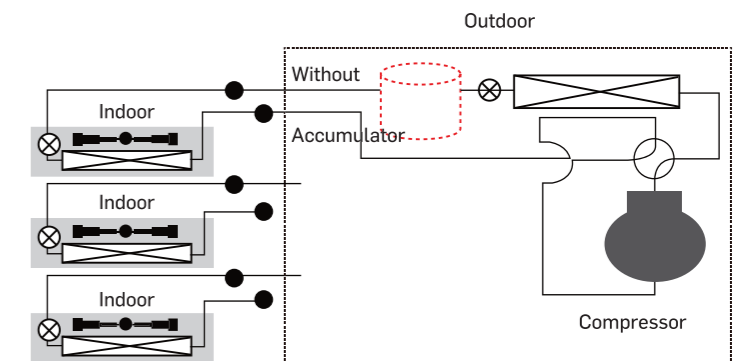
Hinge design



Ultimate Reliability

Refrigerant control technology

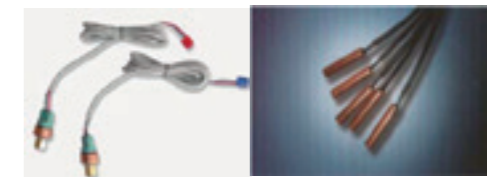
Refrigerant control technology without high pressure accumulator reduces the refrigerant volume and enhances the running efficiency



High and low double pressure sensor

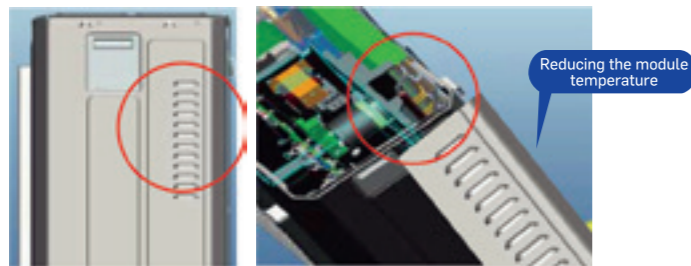
Double pressure sensors with PID control technology together with high speed communication allow quicker start of compressor and the more precise control.

The temperature can be controlled $\pm 0.5^{\circ}\text{C}$

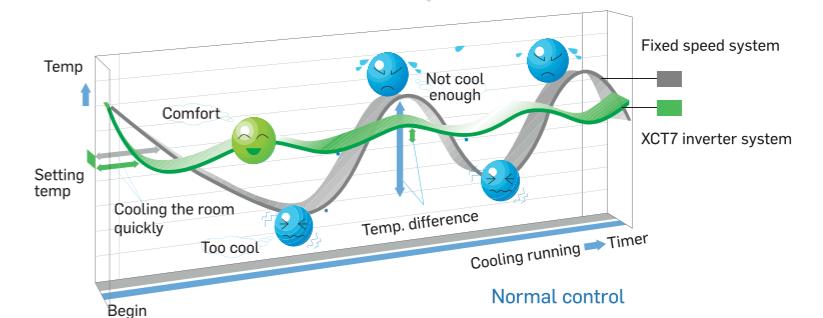
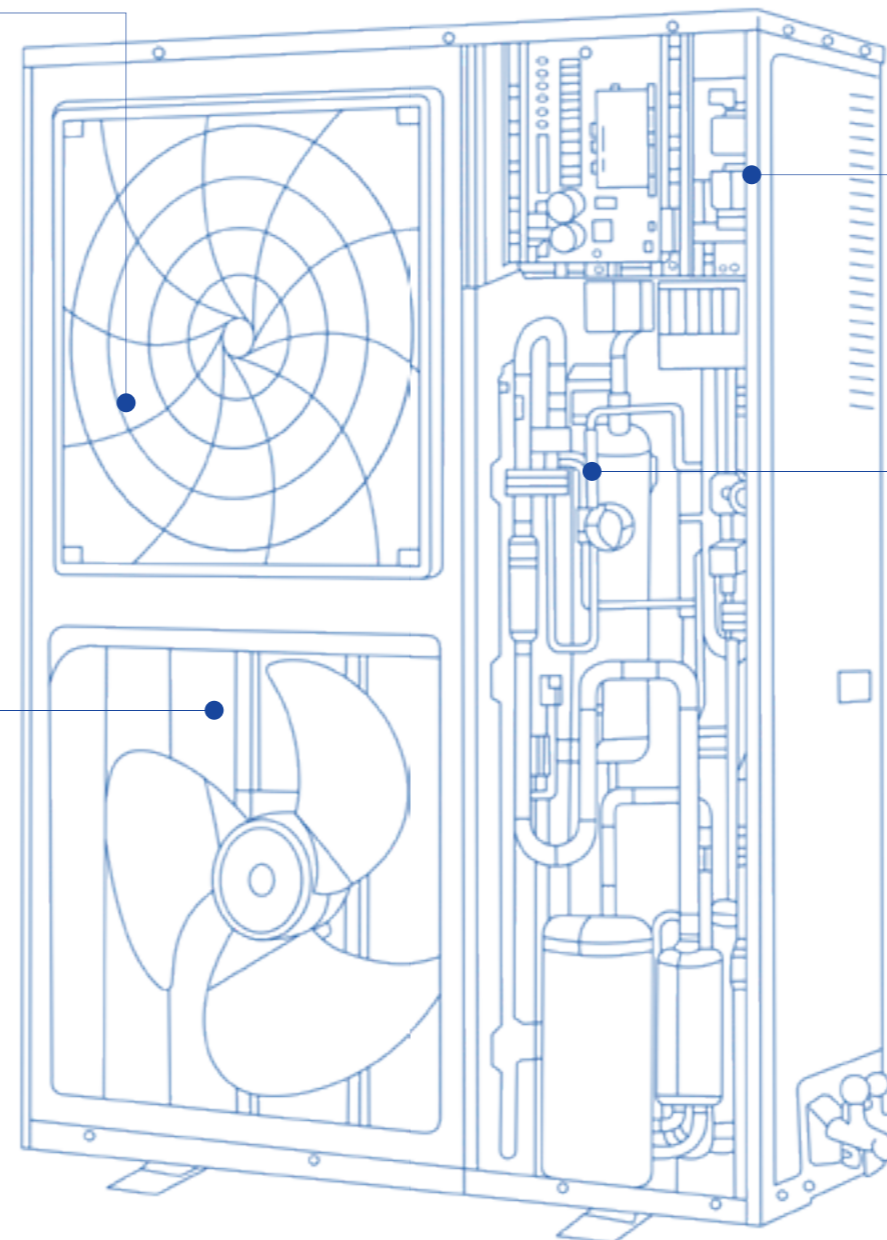


Air inlet grill design on right side panel

This is to effectively reduce the module temperature and avoid air dust entering the air conditioner



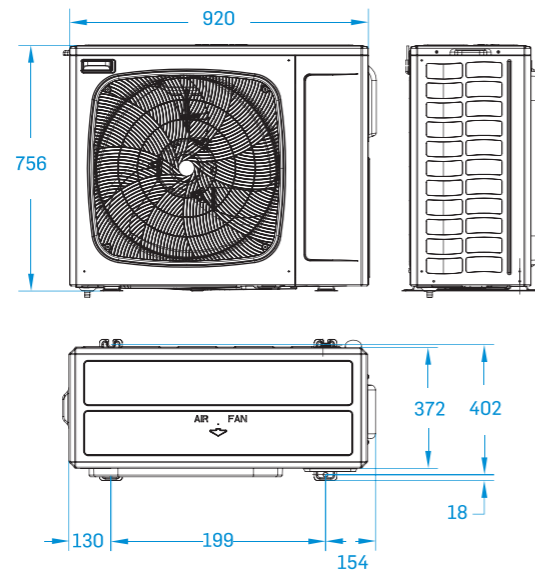
Reducing the module temperature



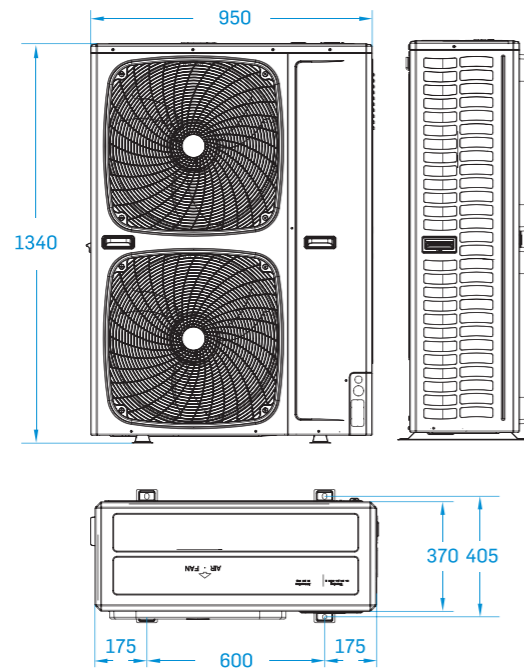


Dimensions (3-7HP Compact Range)

3 HP Single Fan Side Discharge

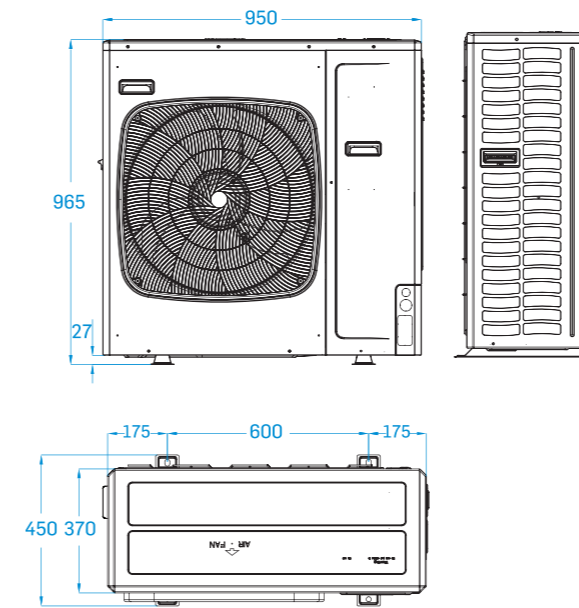


5/7 HP Dual Fan Side Discharge

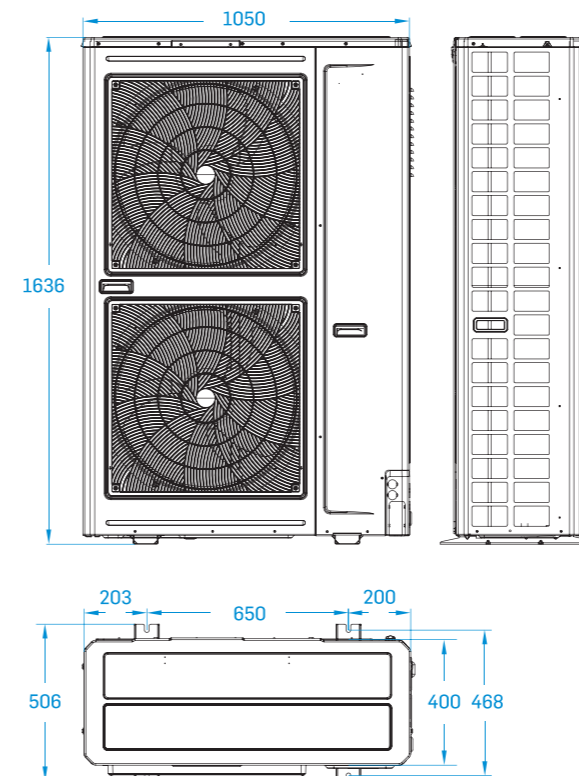


Dimensions (4-12HP)

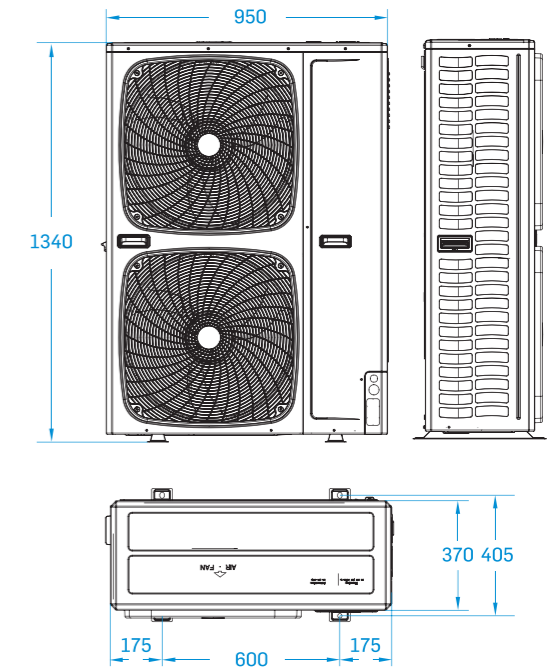
4/5 HP Single Fan Side Discharge



8/10/12 HP Side Discharge



4/5/6 HP Dual Fan Side Discharge



Specifications



SD HP Single fan 4-5HP



SD HP 2 fans 8-10-12 HP



Model Code		China	38VS125C7SHQSS	38VS140C7SHQSS
		Thailand	38VS125C7SHKSS	38VS140C7SHKSS
Capacity	Capacity range	HP	4.0	5.0
	Cooling	kW	12.5	14
	Heating	kW	14	16
Electrical Parameters	Power Supply	PH/V/Hz	1/220-240/50/60	1/220-240/50/60
	Power Input (Cooling)	kW	3.56	4.0
	Power Input (Heating)	kW	3.5	3.95
	EER	/	3.51	3.5
	COP	/	4.0	4.05
Performance	Air Flow (H)	m ³ /h	5400	5400
	Sound Pressure Level (H)	dB(A)	55	57
	Sound Power Level (H)	dB(A)	66	68
Installation	External Dimensions (W x D x H)	mm	950 x 370 x 965	950 x 370 x 965
	Shipping Dimensions (W x D x H)	mm	1010 x 458 x 990	1010 x 458 x 990
	Net /Shipping Weight	kg	90/102	90/102
	Compressor Type	/	Twin Rotary	Twin Rotary
	Compressor Quantity	/	1.0	1.0
	Compressor Power Input	kW	4.13	4.13
	Refrigerant Type	/	R410A	R410A
	Refrigerant Charge	kg	3.0	3.0
	Refrigerant Liquid Pipe	mm	9.52	9.52
	Refrigerant Gas Pipe	mm	15.88	15.88
	Total Pipe Length	m	120	120
	Max. Pipe Length (Equivalent/Actual)	m	70	70
	Max height difference between I.U. & O.U	m	30/20	30/20
	Max height difference between I.U. & I.U	m	10	10
Connection Ratio	Connectable Indoor Unit Ratio	%	50-150	50-150
	Maximum Number Of Indoor Units	/	8.0	10
Working Temp.	Cooling	°C	-5-52	-5-52
	Heating	°C	-15-21	-15-21

Model Code		China	38VS226274HQSS	38VS280274HQSS	38VS335274HQSS
		Thailand	38VS226274HKSS	38VS280274HKSS	38VS335274HKSS
Capacity	Capacity range	HP	8 HP	10 HP	12 HP
	Cooling	kBtu/h	77.1	95.5	114.3
		kW	22.6	28	33.5
	Heating	kBtu/h	85.3	107.5	128
kW		25	31.5	37.5	
Electrical Parameters	Power Supply	PH/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
	Power Input (Cooling)	kW	5.79	7.73	9.3
	Power Input (Heating)	kW	5.43	7.5	9.62
	EER/COP	/	3.9/4.6	3.62/4.2	3.6/3.9
Performance	Air Flow (H)	m ³ /h	10000	10000	10000
	Sound Pressure Level (H)	dB(A)	55	58	60
	Sound Power Level (H)	dB(A)	66	69	71
Installation	External Dimensions (W x D x H)	mm	1050 x 400 x 1636	1050 x 400 x 1636	1050 x 400 x 1636
	Shipping Dimensions (W x D x H)	mm	1150 x 510 x 1790	1150 x 510 x 1790	1150 x 510 x 1790
	Net /Shipping Weight	kg	149/168	149/168	149/168
	Compressor Type	/	Twin Rotary	Twin Rotary	Twin Rotary
	Compressor Quantity	/	1 INV	1 INV	1 INV
	Compressor Power Input	kW	6.27	6.27	6.27
	Refrigerant Type	/	R410A	R410A	R410A
	Refrigerant Charge	kg	5.1	5.1	5.1
	Refrigerant Liquid Pipe	mm	9.52	9.52	12.7
	Refrigerant Gas Pipe	mm	19.05	22.22	25.4
	Total Pipe Length	m	300	300	300
	Max. Pipe Length (Equivalent/Actual)	m	175/150	175/150	175/150
	Max height difference between I.U. & O.U	m	50	50	50
	Max height difference between I.U. & I.U	m	15	15	15
Connection Ratio	Connectable Indoor Unit Ratio	%	50-130	50-130	50-130
	Maximum Number Of Indoor Units	/	13	16	16
Working Temp.	Cooling		-5-48	-5-48	-5-48
	Heating		-20-27	-20-27	-20-27

*All the specifications are tested under nominal condition(In cooling, Indoor temp is 27°C DB/19°C WB; Outdoor temp 35°C DB/24°C WB; In heating, Indoor temp is 20°C DB, Outdoor temp is 7°C DB/6°C WB)



Specifications

SD HP 2 fans 4-5-6 HP



Model Code		China	38VS12117SHQSS	38VS14017SHQSS	38VS15517SHQSS
		Thailand	38VS12117SHKSS	38VS14017SHKSS	38VS15517SHKSS
Capacity	Capacity range	HP	4.0	5.0	6.0
	Cooling	kW	12.1	14.0	15.5
	Heating	kW	14.2	16.0	18.0
Electrical Parameters	Power Supply	PH/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	Power Input (Cooling)	kW	2.99	3.51	4.31
	Power Input (Heating)	kW	3.18	3.72	4.39
	EER	/	4.05	3.99	3.60
	COP	/	4.47	4.30	4.10
Performance	Air Flow (H)	m ³ /h	7200	7200	7200
	Sound Pressure Level (H)	dB(A)	57	58	59
	Sound Power Level (H)	dB(A)	68	69	70
Installation	External Dimensions (W x D x H)	mm	950 x 370 x 1340	950 x 370 x 1340	950 x 370 x 1340
	Shipping Dimensions (W x D x H)	mm	1023 x 483 x 1492	1023 x 483 x 1492	1023 x 483 x 1492
	Net /Shipping Weight	kg	115/123	115/123	115/123
	Compressor Type	/	Twin Rotary	Twin Rotary	Twin Rotary
	Compressor Quantity	/	1.0	1.0	1.0
	Compressor Power Input	kW	4.13	4.13	4.13
	Refrigerant Type	/	R410A	R410A	R410A
	Refrigerant Charge	kg	4.0	4.0	4.0
	Refrigerant Liquid Pipe	mm	9.52	9.52	9.52
	Refrigerant Gas Pipe	mm	15.88	15.88	15.88
	Total Pipe Length	m	300	300	300
	Max. Pipe Length (Equivalent/Actual)	m	175/150	175/150	175/150
	Max height difference between I.U. & O.U	m	50	50	50
Max height difference between I.U. & I.U	m	15	15	15	
Connection Ratio	Connectable Indoor Unit Ratio	%	50-130	50-130	50-130
	Maximum Number Of Indoor Units	/	8.0	10	13
Working Temp.	Cooling	°C	-15~48	-15~48	-15~48
	Heating	°C	-20~27	-20~27	-20~27

Model Code		China	38VS121173HQSS	38VS140173HQSS	38VS155173HQSS
		Thailand	38VS121173HKSS	38VS140173HKSS	38VS155173HKSS
Capacity	Capacity range	HP	4.0	5.0	6.0
	Cooling	kW	12.1	14.0	15.5
	Heating	kW	14.2	16.0	18.0
Electrical Parameters	Power Supply	PH/V/Hz	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
	Power Input (Cooling)	kW	2.99	3.51	4.31
	Power Input (Heating)	kW	3.18	3.72	4.39
	EER	/	4.05	3.99	3.60
	COP	/	4.47	4.30	4.10
Performance	Air Flow (H)	m ³ /h	7200	7200	7200
	Sound Pressure Level (H)	dB(A)	57	58	59
	Sound Power Level (H)	dB(A)	68	69	70
Installation	External Dimensions (W x D x H)	mm	950 x 370 x 1340	950 x 370 x 1340	950 x 370 x 1340
	Shipping Dimensions (W x D x H)	mm	1023 x 483 x 1492	1023 x 483 x 1492	1023 x 483 x 1492
	Net /Shipping Weight	kg	115/123	115/123	115/123
	Compressor Type	/	Twin Rotary	Twin Rotary	Twin Rotary
	Compressor Quantity	/	1.0	1.0	1.0
	Compressor Power Input	kW	4.06	4.06	4.06
	Refrigerant Type	/	R410A	R410A	R410A
	Refrigerant Charge	kg	4.0	4.0	4.0
	Refrigerant Liquid Pipe	mm	9.52	9.52	9.52
	Refrigerant Gas Pipe	mm	15.88	15.88	15.88
	Total Pipe Length	m	300	300	300
	Max. Pipe Length (Equivalent/Actual)	m	175/150	175/150	175/150
	Max height difference between I.U. & O.U	m	50	50	50
Max height difference between I.U. & I.U	m	15	15	15	
Connection Ratio	Connectable Indoor Unit Ratio	%	50-130	50-130	50-130
	Maximum Number Of Indoor Units	/	8.0	10	13
Working Temp.	Cooling	°C	-15~48	-15~48	-15~48
	Heating	°C	-20~27	-20~27	-20~27

*All the specifications are tested under nominal condition(In cooling, Indoor temp is 27°C DB/19°C WB; Outdoor temp 35°C DB/24°C WB; In heating, Indoor temp is 20°C DB, Outdoor temp is 7°C DB/6°C WB)



Specifications

SD HP compact 3-5-7HP



Model Code		38VS080L7SHQSS	38VS140L7SHQSS
Capacity (HP)	HP	3 HP	5 HP
Nominal Cooling Capacity	kW	8.0	14.0
Nominal Heating Capacity	kW	9.5	16
Electric Data	Power	PH/V/Hz	1/220-240/50/60
	Cooling	Rated Power	kW
	Heating	Rated Power	kW
	EER	/	
	COP	/	
Fan	Air Flow (H)	m ³ /h	
Noise	Sound Pressure Level (H)	dB(A)	
	Sound Power Level (H)	dB(A)	
Dimension	External Dimensions (W x D x H)	mm	
	Shipping Dimensions (W x D x H)	mm	
Net /Shipping Weight		kg	
Compressor	Compressor Type	/	
	Compressor Quantity	/	
	Compressor Power Input	kW	
Refrigerant	Refrigerant Type	/	
	Refrigerant	kg	
Pipe	Gas Pipe	mm	
	Liquid Pipe	mm	
Connection Pipe	Total Pipe	m	
	Farthest Pipe Length	m	
	Height Difference Between Indoor And Outdoor: Outdoor Top/Indoor Bottom	m	
	Height Difference Between Indoors	m	
Connection Range	Connection Range	%	
	Maximum Number Of Indoor	/	
Operation Range	Cooling	°C	
	Heating	°C	

Model Code		38VS180L7SHQSS	38VS180L74HQSS
Capacity (HP)	HP	7 HP	7 HP
Nominal Cooling Capacity	kW	18.0	18.0
Nominal Heating Capacity	kW	20.0	20.0
Electric Data	Power	PH/V/Hz	
	Cooling	Rated Power	kW
	Heating	Rated Power	kW
	EER	/	
	COP	/	
Fan	Air Flow (H)	m ³ /h	
Noise	Sound Pressure Level (H)	dB(A)	
	Sound Power Level (H)	dB(A)	
Dimension	External Dimensions (W x D x H)	mm	
	Shipping Dimensions (W x D x H)	mm	
Net /Shipping Weight		kg	
Compressor	Compressor Type	/	
	Compressor Quantity	/	
	Compressor Power Input	kW	
Refrigerant	Refrigerant Type	/	
	Refrigerant	kg	
Pipe	Gas Pipe	mm	
	Liquid Pipe	mm	
Connection Pipe	Total Pipe	m	
	Farthest Pipe Length	m	
	Height Difference Between Indoor And Outdoor: Outdoor Top/Indoor Bottom	m	
	Height Difference Between Indoors	m	
Connection Range	Connection Range	%	
	Maximum Number Of Indoor	/	
Operation Range	Cooling	°C	
	Heating	°C	

* 1 Indoor temperature: 27°CDB, 19°CWB/ outdoor temperature: 35°C DB, 24°C WB/equivalent pipe length: 7.5m, height difference: 0m
 * 2 Indoor temperature: 20°CDB, 14.5°CWB/ outdoor temperature: 7°C DB, 6°C WB/equivalent pipe length: 7.5m, height difference: 0m

*3 The noise value is the conversion value of the full anechoic chamber measured in the semi-anechoic chamber. It is generally higher than this noise value due to the influence of ambient noise and reflected sound.



INDOOR UNITS

085	ONE-WAY CASSETTE	123	HIGH STATIC DUCT (18-54K DC 20-200PA 72/96K AC 200PA)
089	TWO-WAY CASSETTE		
093	COMPACT FOUR-WAY CASSETTE	127	HIGH STATIC DUCT (0 - 250 PA)
098	FOUR-WAY CASSETTE	133	HIGH WALL
101	ROUND-WAY CASSETTE	137	TWO-WAY CONSOLE
107	SLIM DUCT	141	CONSOLE-RECESSED
111	STANDARD STATIC DUCT (50/100PA)	143	FLEX CEILING FLOOR (DC MOTOR)
115	STANDARD STATIC DUCT (20/200PA)	149	OUTSIDE AIR UNIT
119	MEDIUM STATIC DUCT (50-120PA)	153	HRV



OFFICES



HOTELS



RETAIL



ADMINISTRATIONS



Benefits Glance Over

		CASSETTE					DUCT	
		ONE-WAY CASSETTE	TWO-WAY CASSETTE	COMPACT FOUR-WAY CASSETTE	FOUR-WAY CASSETTE	ROUND-WAY CASSETTE	SLIM DUCT	STANDARD STATIC DUCT (50-100PA)
Features								
		40VU1	40VU2	40VUC	40VUC&S	40VUR	40VDL	40VDS*G
Comfortable	Washable filter included: • Ensures clean air • Extends the life of the fan	●	●	●	●	●	●	●
	Independent control of the air flow directions: • Flexible control for different needs • Ensures comfortable environment					●		
	Multi-gear air speed selection: • Meet different requirements of installation & usage	●	●	●	●	●	●	●
	Presence sensor (optional): • Automatically switches on & off when people come in & out • Energy conservation					● (Optional)		
	• Brushless DC motor: • Operation noise reduced	●		●		●	●	
Aesthetic	• Streamlined design • Easily fits in with different interior designs	●	●			●		
	• Ultra-thin & compact design • Save ceiling space	●	●	●		●	●	●
Convenient	• Optional location of air return (front air return & back air return) • Friendly Installation						●	●
	Easy disassembly of the maintenance panel	●	●			●		
	• Adjustable static pressure • Flexible selection according to the actual installation						●	●
	• Standard drain pump • Drain water discharged easily	●	●	●	●	●	●	●
	Fresh air vent reserved			●	●	●		●
Intelligent	Centralized control compatible	●	●	●	●	●	●	●
	Room card	●	●	●	●	●	●	●
	Cleaning reminder of the washable filter	●	●	●	●	●	●	●

DUCT				WALL MOUNTED UNIT	FLOOR STANDING UNITS	CEILING FLOOR	VENTILATION		
STANDARD STATIC DUCT (20/200 PA)	MEDIUM STATIC DUCT (DC) 20-120 PA	HIGH STATIC DUCT (20/200 PA)	HIGH STATIC DUCT (0/250 PA)	HIGH WALL	TWO-WAY CONSOLE	CONSOLE - RECESSED	FLEX CEILING FLOOR DC FAN	OUTSIDE AIR UNIT	HRV (DC)
40VDS*S	40VDR*E	40VDH*S*SS 40VDH*G*SS	40VDH*S	40VKS	40VLB	40VLR	40VCF*S	40VDA*S	40VH*E
●	●	●	●	●	●	●	●	●	●
				●			●		
●	●	● (18-54)	●	●	●	●	●	●	●
●	●	● (18-54)	●	● (48)	●		●	●	●
				●	●		●		
●	●	●	●					●	
●	●	● (18-54)	●					●	●
●	● (Optional)	● 72/96 (Optional)	● 72/96 not included						
●		●	●				●		
●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●		
●	●	●	●	●	●	●	●	●	●



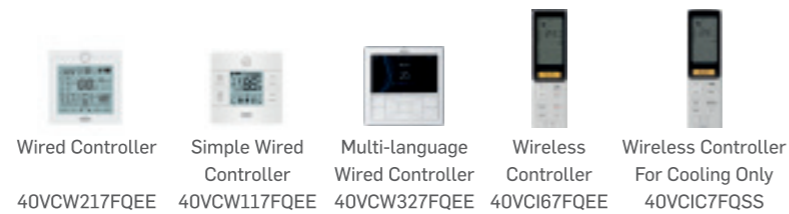


ONE-WAY CASSETTE (DC MOTOR) 40VU1

- Slim & elegant design only 185mm in height
- DC powered fan with industry-leading noise levels down to 24dB (A)
- Service port saved by return air panel to conveniently maintain the unit
- Built-in drain pump
- Unique ceiling anti-fouling design



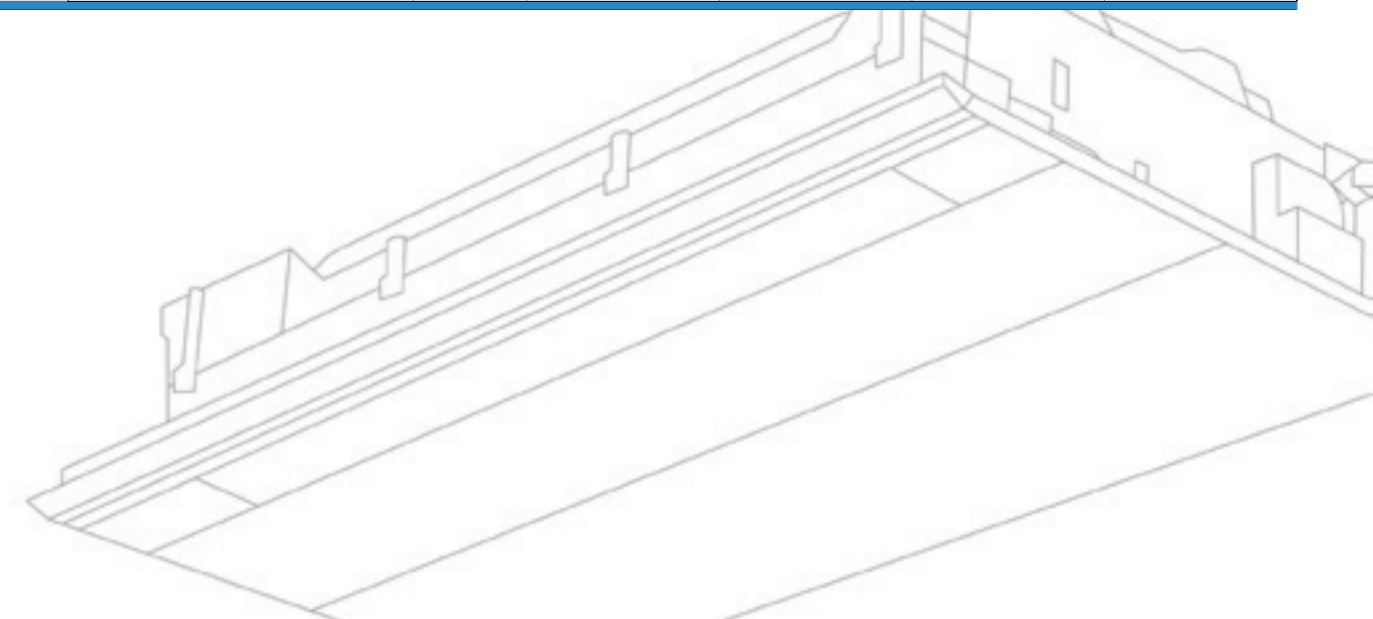
Optional Panel: 40VPU01217EQEE



Specifications



Model Code	Item	Unit	40VU0051-7E-QEE	40VU0071-7E-QEE	40VU0091-7E-QEE	40VU0121-7E-QEE
Capacity	Cooling	kBtu/h	5.1	7.5	9.6	12.3
		kW	1.5	2.2	2.8	3.6
	Heating	kBtu/h	5.8	8.5	10.9	13.6
		kW	1.7	2.5	3.2	4.0
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Power Consumption	W	21	21	21	23
Performance	Air Flow (H/M/L)	m³/h	530/490/450	530/490/450	530/490/450	550/530/490
	Sound Pressure Level(H/M/L)	dB(A)	32/29/24	32/29/24	32/29/24	34/30/25
	Sound Power Level(H/M/L)	dB(A)	46/43/38	46/43/38	46/43/38	48/44/39
Installation	External Dimensions(W x D x H)	mm	875 x 505 x 185	875 x 505 x 185	875 x 505 x 185	875 x 505 x 185
	Shipping Dimensions(W x D x H)	mm	1028 x 581 x 270	1028 x 581 x 270	1028 x 581 x 270	1028 x 581 x 270
	Net/Shipping Weight	kg	15.3/17.9	15.3/17.9	15.3/17.9	15.3/17.9
	Refrigerant Liquid Pipe	mm	6.35	6.35	6.35	6.35
	Refrigerant Gas Pipe	mm	9.52	9.52	9.52	12.7
Panel	Model Code	/	40VPU01217EQEE	40VPU01217EQEE	40VPU01217EQEE	40VPU01217EQEE
	External Dimensions(W x D x H)	mm	1050 x 560 x 122	1050 x 560 x 122	1050 x 560 x 122	1050 x 560 x 122
	Shipping Dimensions(W x D x H)	mm	1133 x 623 x 197	1133 x 623 x 197	1133 x 623 x 197	1133 x 623 x 197
	Net/shipping Weight	kg	5.3/8.3	5.3/8.3	5.3/8.3	5.3/8.3

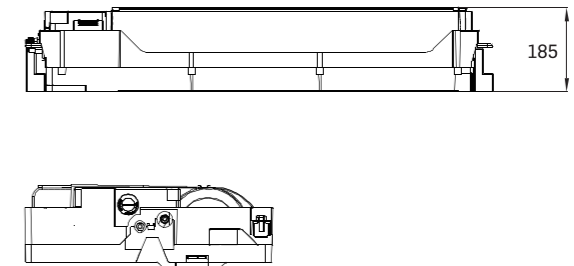
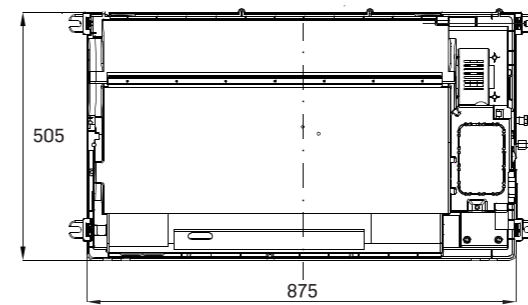




ONE-WAY CASSETTE (DC MOTOR)

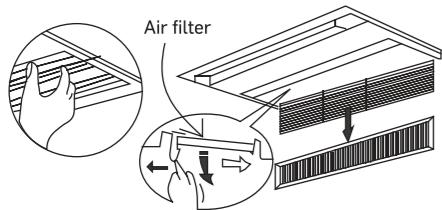


Dimensions



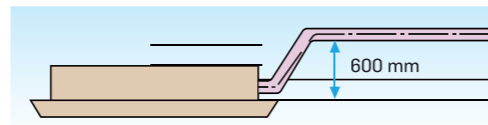
Easy Service & Maintenance

- Easy removal of air filters for cleaning
- Easy access to indoor unit components



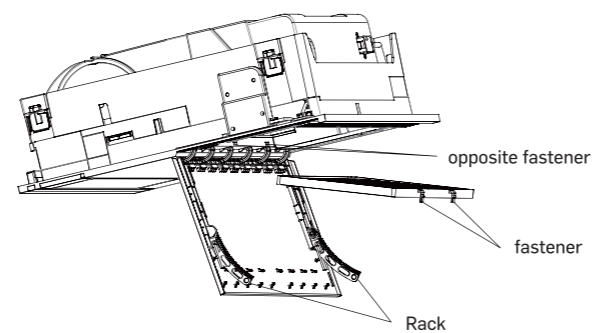
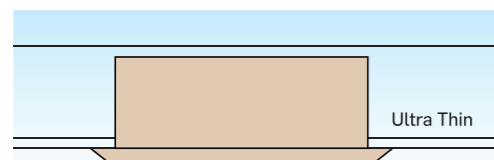
Standard Built-in Drain Pump

Standard built-in drain pump with 600 mm pumphead and slim body makes the installation free from limitation of story height.

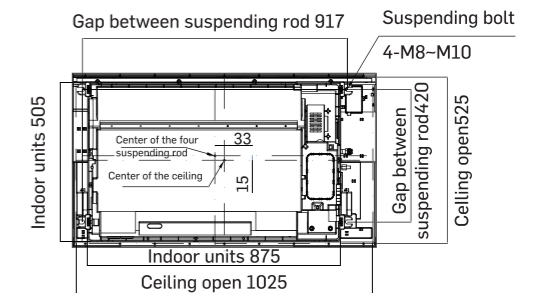
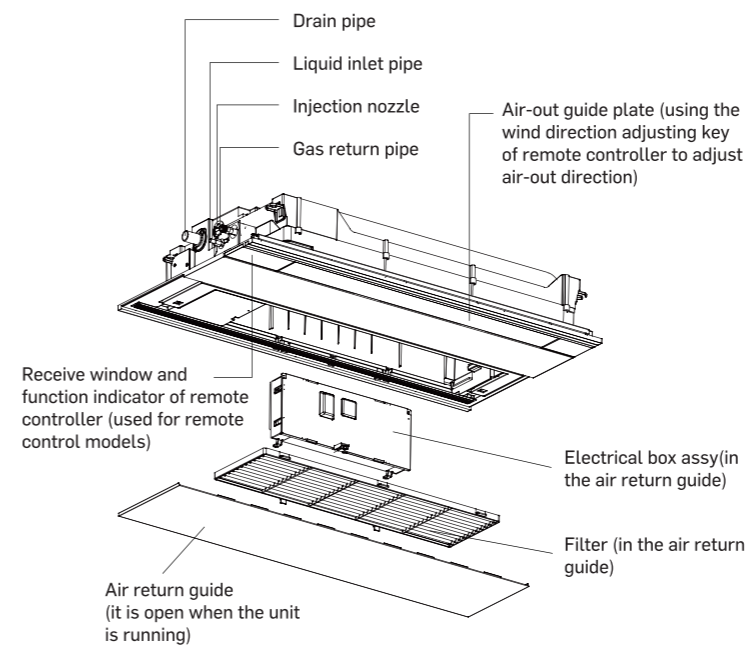


Height 185 mm Only

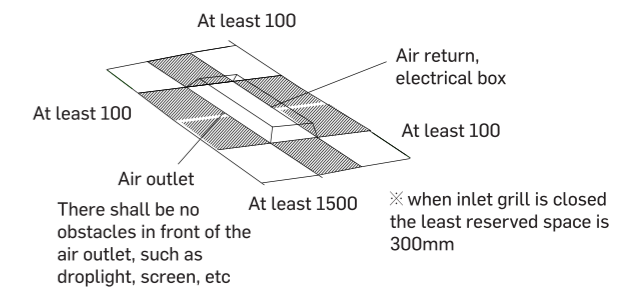
Compact design, slim body with a min. height of 185 mm only, especially suitable for spaces with a narrow ceiling, such as lobbies, small-size meeting room, mansions, restaurant, etc.



Installation & Service



Installation space



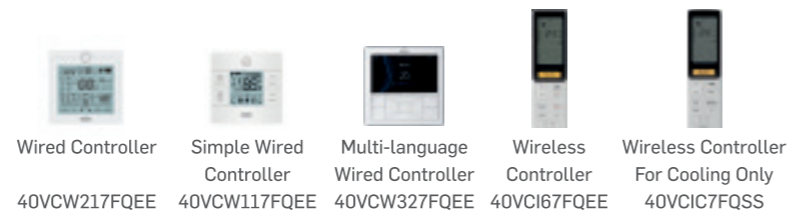


TWO-WAY CASSETTE (AC MOTOR) 40VU2

- Compact design: only 220 mm in height
- Built-in drain pump
- Unique ceiling anti-fouling design
- Dual air supply to distribute air in two directions with quiet operation



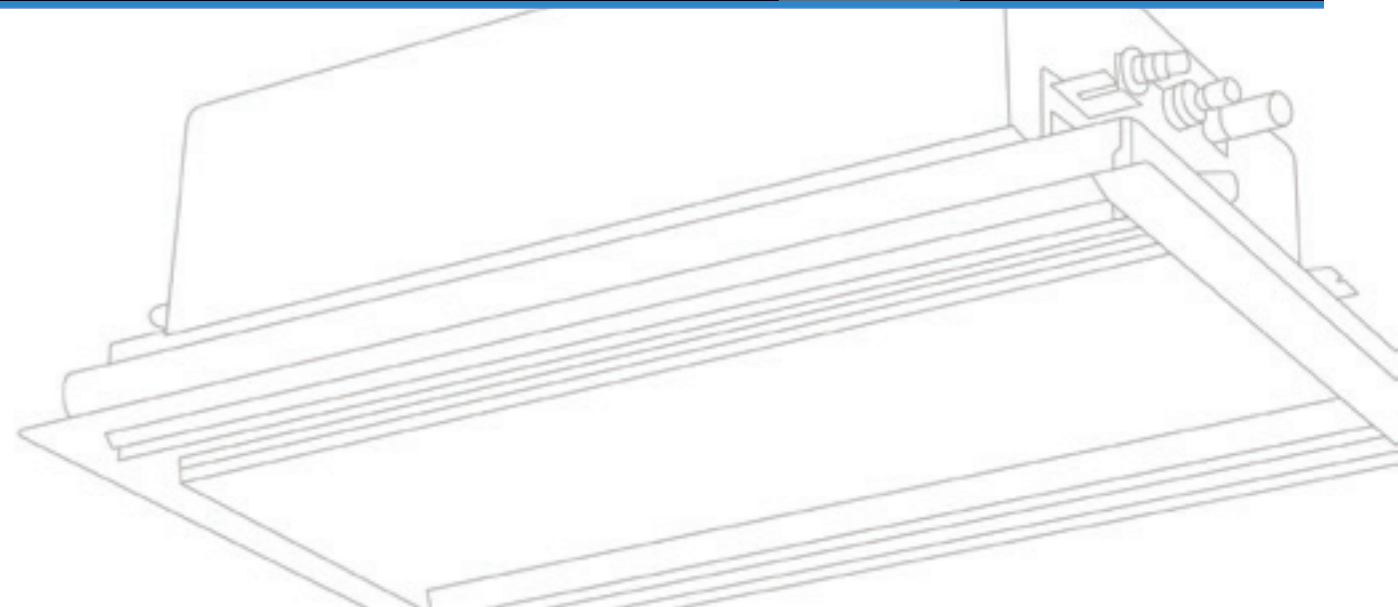
Optional Panel: 40VPU01827GQEE



Specifications



Model Code	Item	Unit	40VU0072-7G-QEE	40VU0092-7G-QEE	40VU0122-7G-QEE	40VU0162-7G-QEE	40VU0182-7G-QEE
Capacity	Cooling	kBtu/h	7.5	9.6	12.3	15.4	19.1
		kW	2.2	2.8	3.6	4.5	5.6
	Heating	kBtu/h	8.5	10.9	13.6	17.1	21.5
		kW	2.5	3.2	4.0	5.0	6.3
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Power Consumption	W	90	90	90	110	110
Performance	Air Flow (H/M/L)	m ³ /h	840/700/550	840/700/550	840/700/550	840/700/550	840/700/550
	Sound Pressure Level(H/M/L)	dB(A)	42/37/33	42/37/33	42/37/33	44/39/34	44/39/34
	Sound Power Level(H/M/L)	dB(A)	55/50/46	55/50/46	55/50/46	57/52/47	57/52/47
Installation	External Dimensions(W x D x H)	mm	817 x 620 x 220	817 x 620 x 220	817 x 620 x 220	817 x 620 x 220	817 x 620 x 220
	Shipping Dimensions(W x D x H)	mm	1015 x 695 x 260	1015 x 695 x 260	1015 x 695 x 260	1015 x 695 x 260	1015 x 695 x 260
	Net/Shipping Weight	kg	21/23	21/23	21/23	21/23	21/23
	Refrigerant Liquid Pipe	mm	6.35	6.35	6.35	6.35	6.35
	Refrigerant Gas Pipe	mm	9.52	9.52	12.7	12.7	12.7
Panel (optional)	Model Code	/	40VPU01827GQEE	40VPU01827GQEE	40VPU01827GQEE	40VPU01827GQEE	40VPU01827GQEE
	External Dimensions(W x D x H)	mm	1055 x 680 x 68	1055 x 680 x 68	1055 x 680 x 68	1055 x 680 x 68	1055 x 680 x 68
	Shipping Dimensions(W x D x H)	mm	1110 x 720 x 160	1110 x 720 x 160	1110 x 720 x 160	1110 x 720 x 160	1110 x 720 x 160
	Net/shipping Weight	kg	7/8	7/8	7/8	7/8	7/8



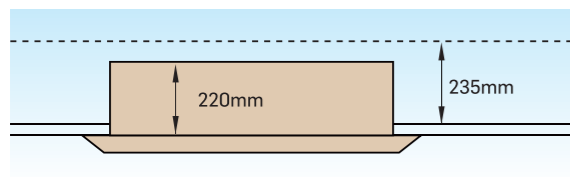


TWO-WAY CASSETTE (AC MOTOR)



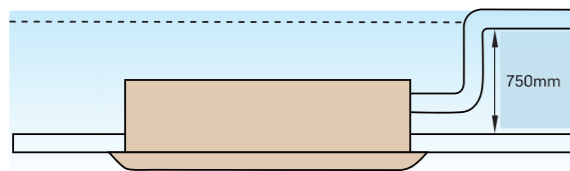
Stylish Design & Slim Body

Thanks to the stylish appearance and slim body, the unit can be harmonious with the room decoration. The sleek body, just 220 mm in height, needs only a small ceiling space to be suspended. Installation is free of story height limitations which makes design and decoration much more flexible.

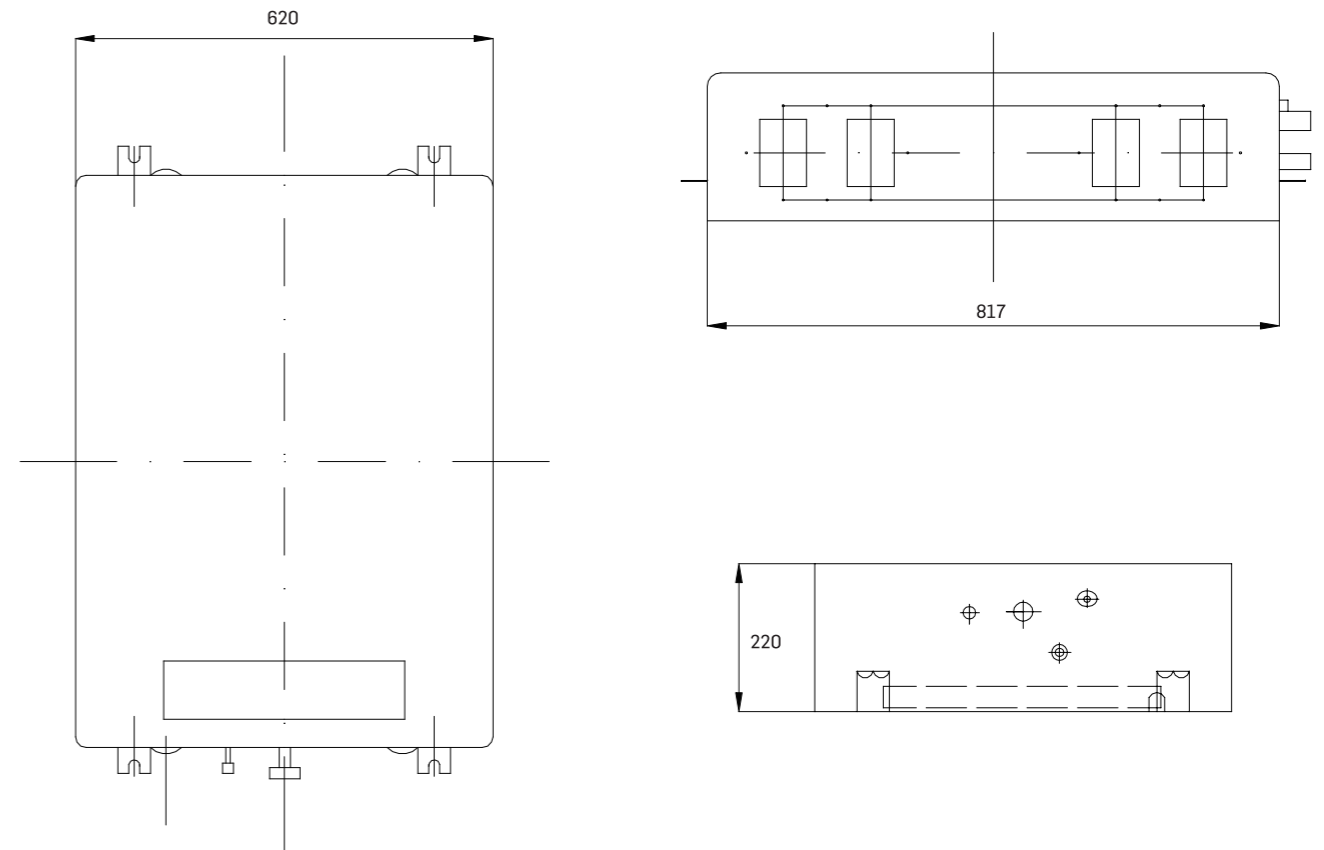


Standard Built-in Drain Pump

Standard built-in drain pump with 750 mm pump head. Flat-type suction grille design makes maintenance work very easy.



Dimensions





Specifications



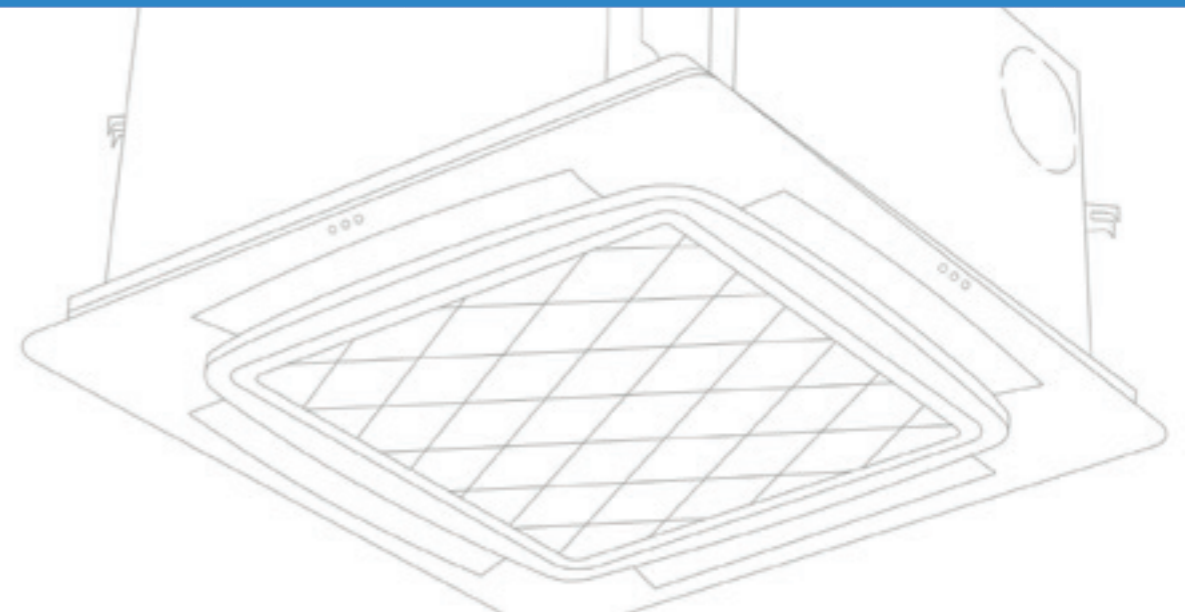
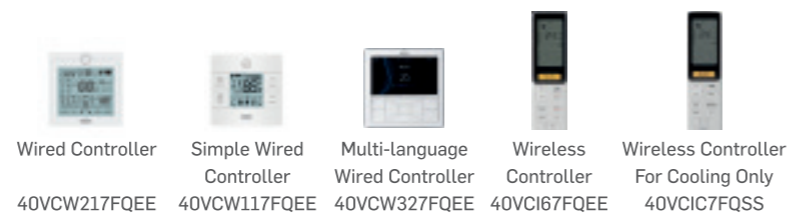
Model Code	Item	Unit	40VU005C-7S-QEE	40VU007C-7S-QEE	40VU009C-7S-QEE	40VU012C-7S-QEE	40VU016C-7S-QEE	40VU018C-7S-QEE
Capacity	Cooling	kBtu/h	5.1	7.5	9.5	12.3	15.3	19.1
		kW	1.5	2.2	2.8	3.6	4.5	5.6
	Heating	kBtu/h	5.8	8.5	10.9	13.6	17.1	21.5
		kW	1.7	2.5	3.2	4.0	5.0	6.3
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	Power Consumption	W	17	17	17	18	26	35
Performance	Air Flow (H/M/L)	m³/h	520/450/400	520/450/400	520/450/400	520/450/400	650/520/450	760/650/520
	Sound Pressure Level(H/M/L)	dB(A)	32/30/29	32/30/29	32/30/29	33/30/29	33/30/29	34/32/30
	Sound Power Level(H/M/L)	dB(A)	46/44/43	46/44/43	46/44/43	47/44/43	47/44/43	48/46/44
Installation	External Dimensions(W x D x H)	mm	570 x 570 x 260	570 x 570 x 260	570 x 570 x 260	570 x 570 x 260	570 x 570 x 260	570 x 570 x 260
	Shipping Dimensions(W x D x H)	mm	718 x 680 x 380	718 x 680 x 380	718 x 680 x 380	718 x 680 x 380	718 x 680 x 380	718 x 680 x 380
	Net/Shipping Weight	kg	16/19	16/19	16/19	19/22	19/22	19/22
	Refrigerant Liquid Pipe	mm	6.35	6.35	6.35	6.35	6.35	6.35
	Refrigerant Gas Pipe	mm	9.52	9.52	9.52	12.7	12.7	12.7
Panel (optional)	Model Code	/	40VPU018C7SQEE	40VPU018C7SQEE	40VPU018C7SQEE	40VPU018C7SQEE	40VPU018C7SQEE	40VPU018C7SQEE
	External Dimensions(W x D x H)	mm	620 x 620 x 60	620 x 620 x 60	620 x 620 x 60	620 x 620 x 60	620 x 620 x 60	620 x 620 x 60
	Shipping Dimensions(W x D x H)	mm	660 x 660 x 115	660 x 660 x 115	660 x 660 x 11	660 x 660 x 115	660 x 660 x 115	660 x 660 x 115
	Net/shipping Weight	kg	2.8/4.5	2.8/4.5	2.8/4.55	2.8/4.5	2.8/4.5	2.8/4.5

COMPACT FOUR-WAY CASSETTE (DC MOTOR) 40VUC



- Compact design: installation restrictions reduced to enable high flexibility
- Ideal for standard ceiling tiles and small rooms: 570*570 mm body size and 620*620 mm panel size
- Built-in drain pump
- Independent control of four way air flow
- Low sound level, high efficiency and comfort
- Knockout hole for outside air

Optional Panel: 40VPU018C7SQEE



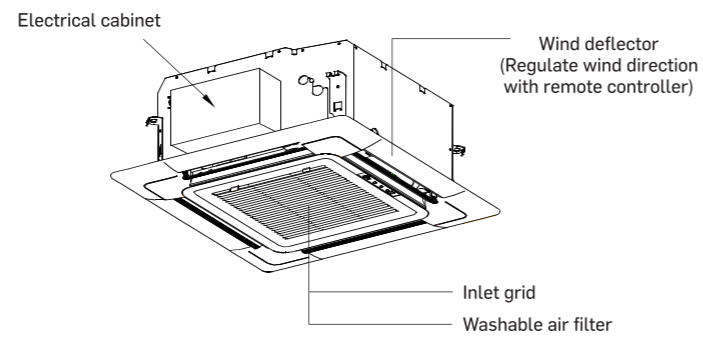
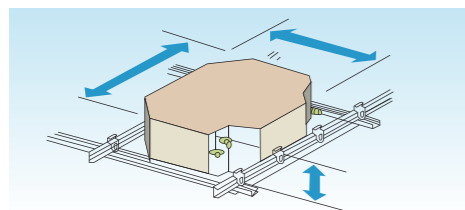


COMPACT FOUR-WAY CASSETTE (DC MOTOR)



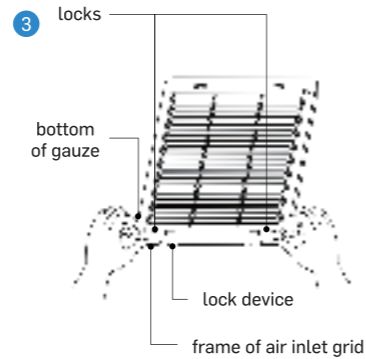
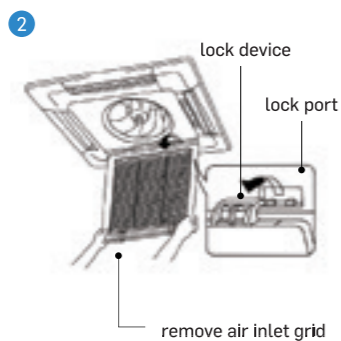
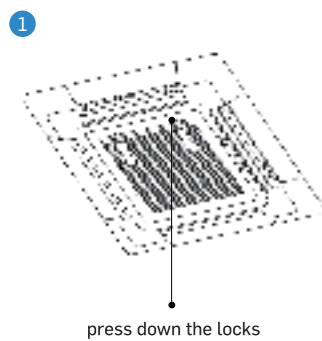
Compact Design, Easy Installation, Service & Maintenance

Extremely compact casing (570 mm in width and 260 mm in depth) makes it match perfectly with the ambient decoration. Little space is required for installation into a shallow ceiling. Due to its compact body and light weight, all models can be installed without a hoist.



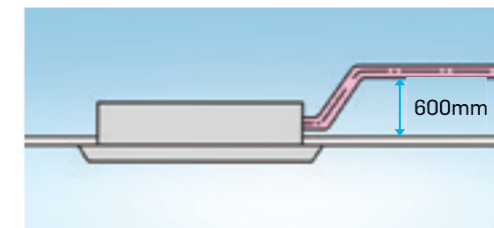
Easy Service & Maintenance

- Easy removal of air filters for cleaning
- Easy access to indoor unit components

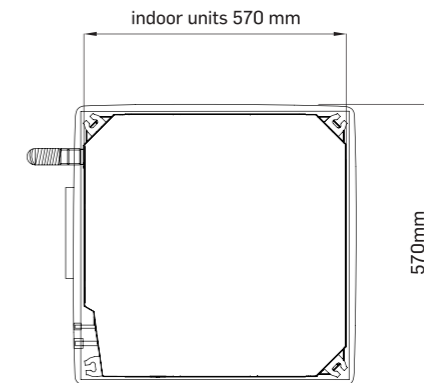
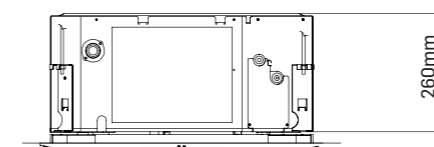
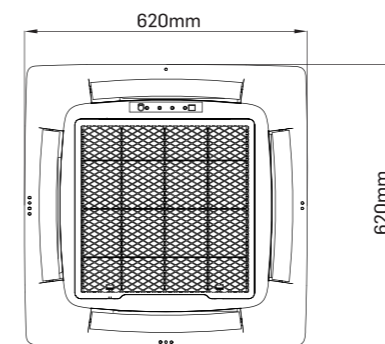


Standard Built-in Drain Pump

Drain pump with 600 mm pump head as the standard fitting.



Dimensions



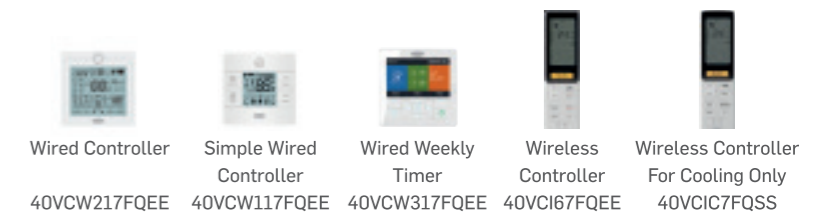


FOUR-WAY CASSETTE (AC MOTOR) 40VUC&S

- Hanging installation and compact design to save space
- Knockout hole for outside fresh air
- Built-in drain pump



Optional Panel: 40VPU016C7GQEE/40VPU048S7GQEE



Specifications

Model Code	Item (China)	Unit	40VU005C-7G-QEE	40VU007C-7G-QEE	40VU009C-7G-QEE	40VU012C-7G-QEE	40VU016C-7G-QEE	40VU018S-7G-QEE
	Item (Thailand)		40VU005C-7G-KEE	40VU005C-7G-KEE	40VU009C-7G-KEE	40VU012C-7G-KEE	40VU016C-7G-KEE	40VU018S-7G-KEE
Capacity	Cooling	kBtu/h	5.1	7.5	9.5	12.3	15.3	19.1
		kW	1.5	2.2	2.8	3.6	4.5	5.6
	Heating	kBtu/h	5.8	8.5	10.9	13.6	17.1	21.5
		kW	1.7	2.5	3.2	4.0	5.0	6.3
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Power Consumption	W	80	80	80	80	80	70
Performance	Air Flow (H/M/L)	m³/h	650/540/430	700/590/480	700/590/480	700/590/480	700/590/480	1000/810/620
	Sound Pressure Level(H/M/L)	dB(A)	31/29/28	32/30/29	32/30/29	32/30/29	33/30/29	33/30/29
	Sound Power Level(H/M/L)	dB(A)	45/43/42	46/44/43	46/44/43	46/44/43	47/44/43	47/44/43
Installation	External Dimensions(W x D x H)	mm	570 x 570 x 260	570 x 570 x 260	570 x 570 x 260	570 x 570 x 260	570 x 570 x 260	840 x 840 x 183
	Shipping Dimensions(W x D x H)	mm	718 x 680 x 380	718 x 680 x 380	718 x 680 x 380	718 x 680 x 380	718 x 680 x 380	983 x 983 x 268
	Net/Shipping Weight	kg	16/19	16/19	16/19	19/22	19/22	25/28
	Refrigerant Liquid Pipe	mm	6.35	6.35	6.35	6.35	6.35	6.35
	Refrigerant Gas Pipe	mm	9.52	9.52	9.52	12.7	12.7	12.7
Panel (optional)	Model Code	/	40VPU016C7GQEE	40VPU016C7GQEE	40VPU016C7GQEE	40VPU016C7GQEE	40VPU016C7GQEE	40VPU048S7GQEE
	External Dimensions(W x D x H)	mm	700 x 700 x 60	700 x 700 x 60	700 x 700 x 60	700 x 700 x 60	700 x 700 x 60	950 x 950 x 60
	Shipping Dimensions(W x D x H)	mm	740 x 740 x 115	740 x 740 x 115	740 x 740 x 115	740 x 740 x 115	740 x 740 x 115	992 x 992 x 115
	Net/shipping Weight	kg	2.8/4.5	2.8/4.5	2.8/4.5	2.8/4.5	2.8/4.5	6/7.5

Specifications



Model Code	Item (China)	Unit	40VU024S-7G-QEE	40VU028S-7G-QEE	40VU030S-7G-QEE	40VU038S-7G-QEE	40VU048S-7G-QEE
	Item (Thailand)		40VU024S-7G-KEE	40VU028S-7G-KEE	40VU030S-7G-KEE	40VU038S-7G-KEE	40VU048S-7G-KEE
Capacity	Cooling	kBtu/h	24.2	27.3	30.7	38.2	47.8
		kW	7.1	8.0	9.0	11.2	14
	Heating	kBtu/h	27.3	30.7	34.1	42.7	54.6
		kW	8.0	9.0	10	12.5	16
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Power Consumption	W	100	100	150	150	170
Performance	Air Flow (H/M/L)	m³/h	1380/1190/1000	1380/1190/1000	2050/1860/1670	2050/1860/1670	2100/1910/1720
	Sound Pressure Level(H/M/L)	dB(A)	35/34/31	37/35/31	37/35/31	37/35/31	44/40/36
	Sound Power Level(H/M/L)	dB(A)	49/48/45	51/49/45	51/49/45	51/49/45	58/54/50
Installation	External Dimensions(W x D x H)	mm	840 x 840 x 204	840 x 840 x 204	840 x 840 x 246	840 x 840 x 246	840 x 840 x 288
	Shipping Dimensions(W x D x H)	mm	983 x 983 x 290	983 x 983 x 290	983 x 983 x 331	983 x 983 x 331	983 x 983 x 373
	Net/Shipping Weight	kg	27/30	27/30	31/36	31/36	33/38
	Refrigerant Liquid Pipe	mm	9.52	9.52	9.52	9.52	9.52
	Refrigerant Gas Pipe	mm	15.88	15.88	15.88	15.88	15.88
Panel (optional)	Model Code	/	40VPU048S7GQEE	40VPU048S7GQEE	40VPU048S7GQEE	40VPU048S7GQEE	40VPU048S7GQEE
	External Dimensions(W x D x H)	mm	950 x 950 x 60	950 x 950 x 60	950 x 950 x 60	950 x 950 x 60	950 x 950 x 60
	Shipping Dimensions(W x D x H)	mm	992 x 992 x 115	992 x 992 x 115	992 x 992 x 115	992 x 992 x 115	992 x 992 x 115
	Net/shipping Weight	kg	6/7.5	6/7.5	6/7.5	6/7.5	6/7.5

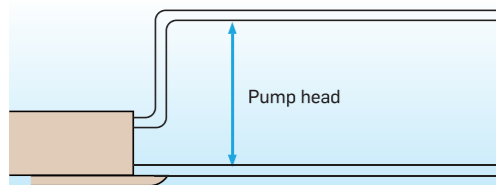


FOUR-WAY CASSETTE (AC MOTOR)



Standard Built-in Drain Pump

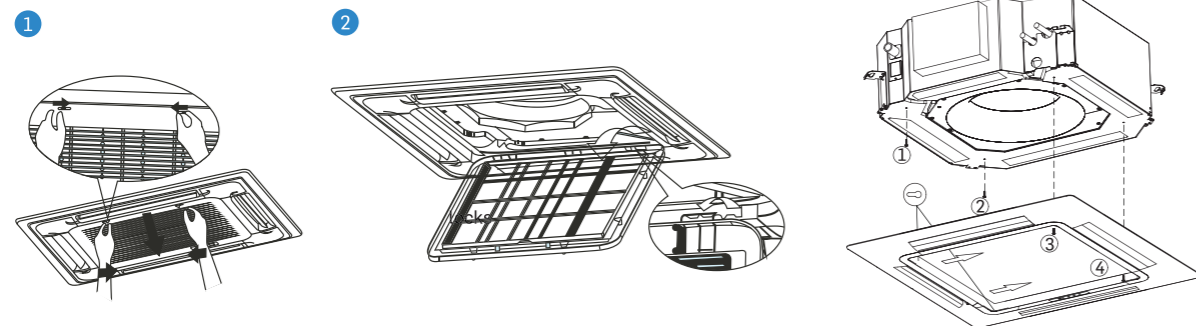
Standard built-in drain pump can lift the condensed water up, for easier installation of the drain piping system.



	40VU005-016C-7G-QEE 40VU005-016C-7G-KEE	40VU018-048S-7G-QEE 40VU018-048S-7G-KEE
Pump Head (mm)	600	600

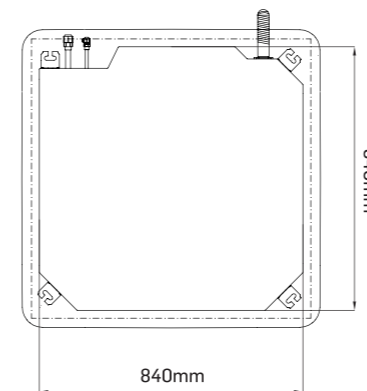
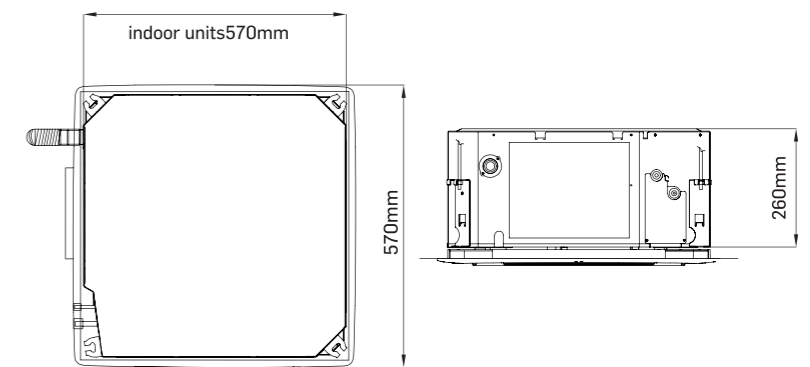
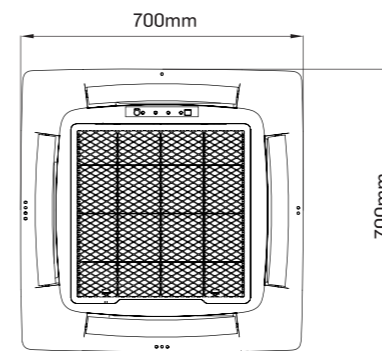
Easy Service & Maintenance

- Easy removal of air filter for cleaning
- Remote on/off function and alarm function
- Easy access to indoor unit components

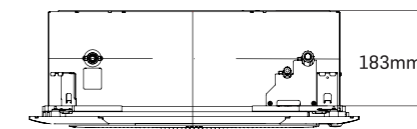


Dimensions

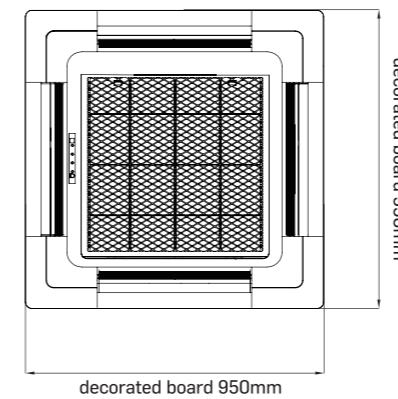
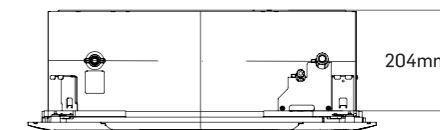
40VU005C-7G-QEE/40VU007C-7G-QEE/40VU009C-7G-QEE/40VU012C-7G-QEE/40VU016C-7G-QEE
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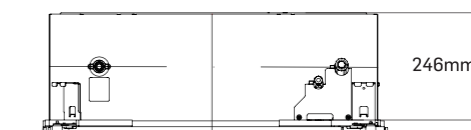
40VU018S-7G



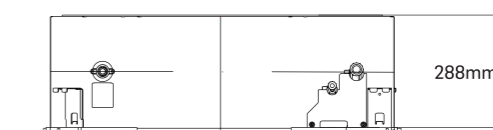
40VU024S-7G/40VU028S-7G



40VU030S-7G/40VU038S-7G



40VU048S-7G



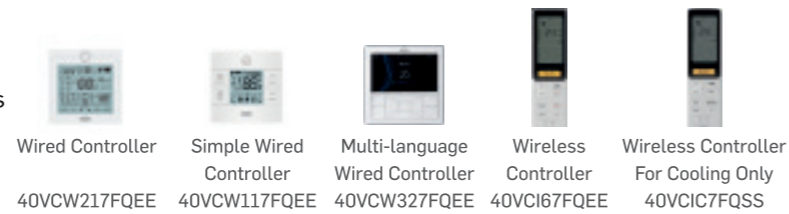


ROUND-WAY CASSETTE (DC MOTOR) 40VUR



Optional Panel: 40VPU054R7EQEE

- Round corner design
- Unique round-way air outlet and air distribution to reduce blind spots
- DC powered fan with low sound level and high efficiency
- Built-in drain pump
- Innovative four-way independent airflow control, 6 adjustable louver positions and 1296 air flow combinations
- Up to 4.2 m ceiling height with a large capacity
- Automatic display of fault codes



Specifications

Model Code	Item	Unit	40VU007R-7E-QEE	40VU009R-7E-QEE	40VU012R-7E-QEE	40VU016R-7E-QEE	40VU018R-7E-QEE	40VU024R-7E-QEE
Capacity	Cooling	kBtu/h	7.5	9.5	12.3	15.3	19.1	24.2
		kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kBtu/h	8.5	10.9	13.6	17.1	21.5	27.3
		kW	2.5	3.2	4.0	5.0	6.3	8.0
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Power Consumption	W	30	30	30	30	30	50
Performance	Air Flow (H/M/L)	m³/h	1000/810/620	1000/810/620	1000/810/620	1000/810/620	1000/810/620	1380/1190/1000
	Sound Pressure Level(H/M/L)	dB(A)	30/27/25	30/27/25	30/27/25	32/29/27	33/30/29	35/34/31
Installation	External Dimensions(W x D x H)	mm	840 x 840 x 183	840 x 840 x 183	840 x 840 x 183	840 x 840 x 183	840 x 840 x 183	840 x 840 x 204
	Net/Shipping Weight	kg	25/28	25/28	25/28	25/28	25/28	27/30
	Refrigerant Liquid Pipe	mm	6.35	6.35	6.35	6.35	6.35	9.52
	Refrigerant Gas Pipe	mm	9.52	9.52	12.7	12.7	12.7	15.88
Panel (optional)	Model Name	/	40VPU054R7EQEE	40VPU054R7EQEE	40VPU054R7EQEE	40VPU054R7EQEE	40VPU054R7EQEE	40VPU054R7EQEE
	Model Name With Presence Sensor	/	40VPU054A7EQEE	40VPU054A7EQEE	40VPU054A7EQEE	40VPU054A7EQEE	40VPU054A7EQEE	40VPU054A7EQEE
	External Dimensions(W x D x H)	mm	950 x 950 x 50	950 x 950 x 50	950 x 950 x 50	950 x 950 x 50	950 x 950 x 50	950 x 950 x 50
	Shipping Dimensions(W x D x H)	mm	1013 x 1025 x 123	1013 x 1025 x 123	1013 x 1025 x 123	1013 x 1025 x 123	1013 x 1025 x 123	1013 x 1025 x 123
	Net/shipping Weight	kg	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9

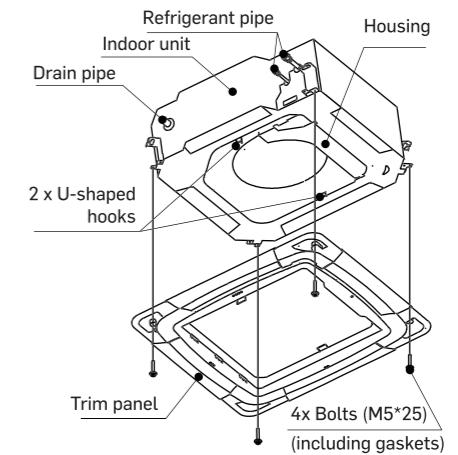
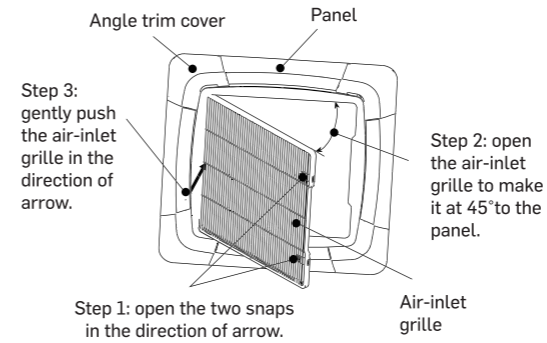
Specifications



Model Code	Item	Unit	40VU028R-7E-QEE	40VU030R-7E-QEE	40VU038R-7E-QEE	40VU048R-7E-QEE	40VU054R-7E-QEE
Capacity	Cooling	kBtu/h	27.3	30.7	38.2	47.7	54.6
		kW	8.0	9.0	11.2	14	16
	Heating	kBtu/h	30.7	34.1	42.6	54.6	61.2
		kW	9.0	10	12.5	16	18
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Power Consumption	W	50	90	90	110	110
Performance	Air Flow (H/M/L)	m³/h	1380/1190/1000	2050/1860/1670	2050/1860/1670	2100/1910/1720	2100/1910/1720
	Sound Pressure Level(H/M/L)	dB(A)	37/35/31	37/35/31	37/35/31	44/40/36	44/40/36
Installation	External Dimensions(W x D x H)	mm	840 x 840 x 204	840 x 840 x 246	840 x 840 x 246	840 x 840 x 288	840 x 840 x 288
	Net/Shipping Weight	kg	27/30	31/36	31/36	33/38	33/38
	Refrigerant Liquid Pipe	mm	9.52	9.52	9.52	9.52	9.52
	Refrigerant Gas Pipe	mm	15.88	15.88	15.88	15.88	15.88
Panel (optional)	Model Name	/	40VPU054R7EQEE	40VPU054R7EQEE	40VPU054R7EQEE	40VPU054R7EQEE	40VPU054R7EQEE
	Model Name With Presence Sensor	/	40VPU054A7EQEE	40VPU054A7EQEE	40VPU054A7EQEE	40VPU054A7EQEE	40VPU054A7EQEE
	External Dimensions(W x D x H)	mm	950 x 950 x 50	950 x 950 x 50	950 x 950 x 50	950 x 950 x 50	950 x 950 x 50
	Shipping Dimensions(W x D x H)	mm	1013 x 1025 x 123	1013 x 1025 x 123	1013 x 1025 x 123	1013 x 1025 x 123	1013 x 1025 x 123
	Net/shipping Weight	kg	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9



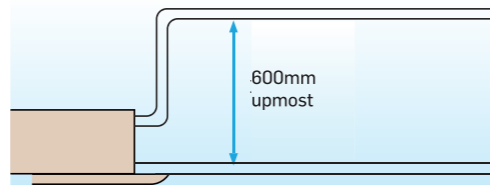
ROUND-WAY CASSETTE (DC MOTOR)



Indoor

Standard Built-in Drain Pump

Standard built-in drain pump can take the condensed water up to 600 mm which makes easier installation of the drain piping system.



Smart Self Diagnostic Function

By adding digital tube displayer on the display board, the error codes can be displayed directly for trouble shooting.



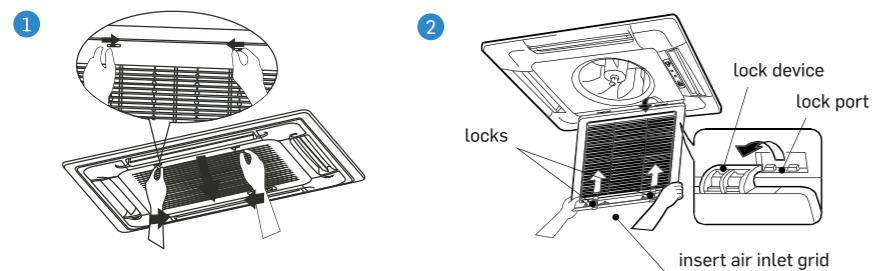
Save Energy

- Optional panel with presence sensor
- In case of detected human, IDU turns on
 - Without movement, IDU goes in off mode

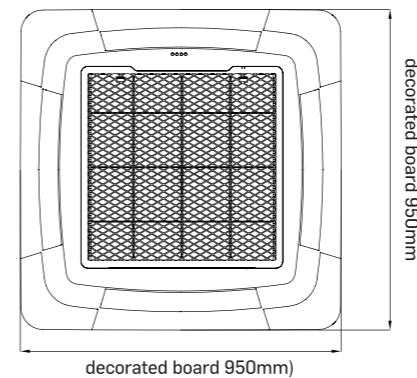
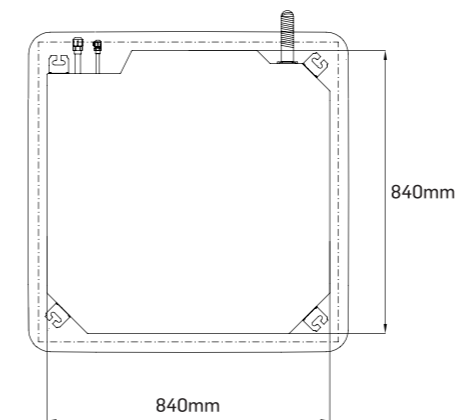


Easy Service & Maintenance

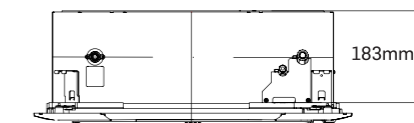
- Easy removal of air filter for cleaning
- Remote on/off function and alarm function
- Easy access to indoor unit components



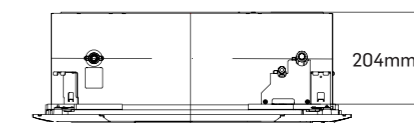
Dimensions



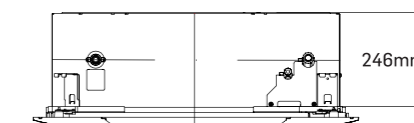
40VU007/009/012/016/018R-7E-QEE



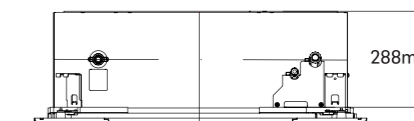
40VU024/028R-7E-QEE



40VU030/038R-7E-QEE



40VU048/054R-7E-QEE







SLIM DUCT (DC MOTOR 0/15/30 PA)



- Ultra-thin design: 185 mm height to accommodate in limited space
- DC motor with six fan speeds to provide unique and comfort control
- Built-in drain pump
- Bottom or rear air return
- Static pressure setting 0/30 Pa
- Can install with or without discharge & return plenum



Indoor

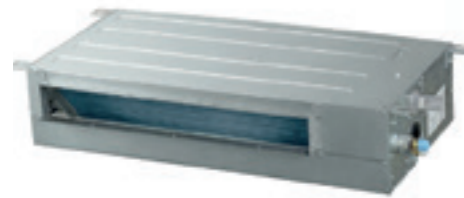
Specifications

Model Code	Item (China)	Unit	40VD005L-7E-QEE	40VD007L-7E-QEE	40VD009L-7E-QEE	40VD012L-7E-QEE
	Item (Thailand)		40VD005L-7E-KEE	40VD007L-7E-KEE	40VD009L-7E-KEE	40VD012L-7E-KEE
Capacity	Cooling	kBtu/h	5.1	7.5	9.5	12.3
		kW	1.5	2.2	2.8	3.6
	Heating	kBtu/h	5.8	8.5	10.9	13.6
		kW	1.7	2.5	3.2	4.0
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Power Consumption	W	18	18	18	31
Performance	Air Flow (H/M/L)	m ³ /h	430/370/310	480/420/360	480/420/360	550/430/370
	Sound Pressure Level(H/M/L)	dB(A)	26/22/19	27/23/20	27/23/20	30/27/24
	Sound Power Level(H/m/l)	dB(A)	40/36/33	41/37/34	41/37/34	44/41/38
Installation	External Dimensions(W x D x H)	mm	850 x 420 x 185	850 x 420 x 185	850 x 420 x 185	850 x 420 x 185
	Shipping Dimensions(W x D x H)	mm	1045 x 540 x 270	1045 x 540 x 270	1045 x 540 x 270	1045 x 540 x 270
	Net/Shipping Weight	kg	16.5/21.5	17.5/22.5	17.5/22.5	17.5/22.5
	Refrigerant Liquid Pipe	mm	6.35	6.35	6.35	6.35
	Refrigerant Gas Pipe	mm	9.52	9.52	9.52	12.7
	Static Pressure	Pa	0/15/30	0/15/30	0/15/30	0/15/30
Drain Pump	O-optional, S-standard, W-without	/	Standard	Standard	Standard	Standard

Specifications



Model Code	Item (China)	Unit	40VD016L-7E-QEE	40VD018L-7E-QEE	40VD024L-7E-QEE
	Item (Thailand)		40VD016L-7E-KEE	40VD018L-7E-KEE	40VD024L-7E-KEE
Capacity	Cooling	kBtu/h	15.3	19.1	24.2
		kW	4.5	5.6	7.1
	Heating	kBtu/h	17.1	21.5	27.3
		kW	5.0	6.3	8.0
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Power Consumption	W	35	40	50
Performance	Air Flow (H/M/L)	m ³ /h	600/540/460	800/690/580	930/850/750
	Sound Pressure Level(H/M/L)	dB(A)	32/29/26	33/30/27	36/33/30
	Sound Power Level(H/m/l)	dB(A)	46/43/40	47/44/41	50/47/43
Installation	External Dimensions(W x D x H)	mm	850 x 420 x 185	1170 x 420 x 185	1170 x 420 x 185
	Shipping Dimensions(W x D x H)	mm	1045 x 540 x 270	1365 x 540 x 270	1365 x 540 x 270
	Net/Shipping Weight	kg	18.5/23.5	22.2/28.2	24/30
	Refrigerant Liquid Pipe	mm	6.35	6.35	9.52
	Refrigerant Gas Pipe	mm	12.7	12.7	15.88
	Static Pressure	Pa	0/15/30	0/15/30	0/15/30
Drain Pump	O-optional, S-standard, W-without	/	Standard	Standard	Standard

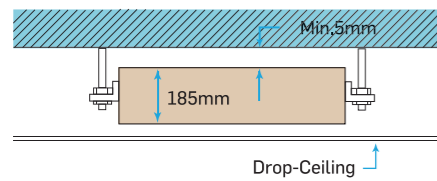


SLIM DUCT (DC MOTOR – 0/15-30 PA)



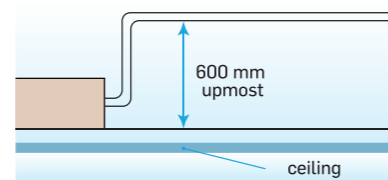
Slim, Light Weight & Compact Design

The compact design is 185mm in height and is ideal for installation where space above ceiling is limited.



Built-in Drain Pump

Built-in drain pump (600 mm pump head)



Easy Installation

Available optional outlet & inlet panels

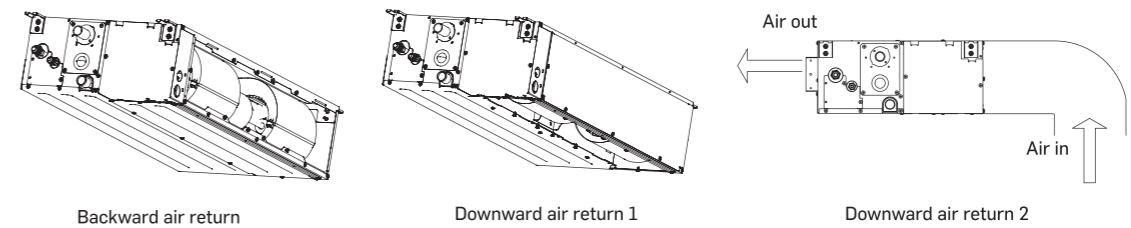


Model Codes	Outlet Panel Dimensions (WxHxD)	Inlet Panel Dimensions (WxHxD)
Up to 40VPD016L7EQEE	890 x 190 x 100 mm	890 x 291 x 100 mm
40VPD018-024L7EQEE	1210 x 190 x 100 mm	1210 x 291 x 100 mm

Installation Modes

This series of air conditioners can be arranged in two air return modes:

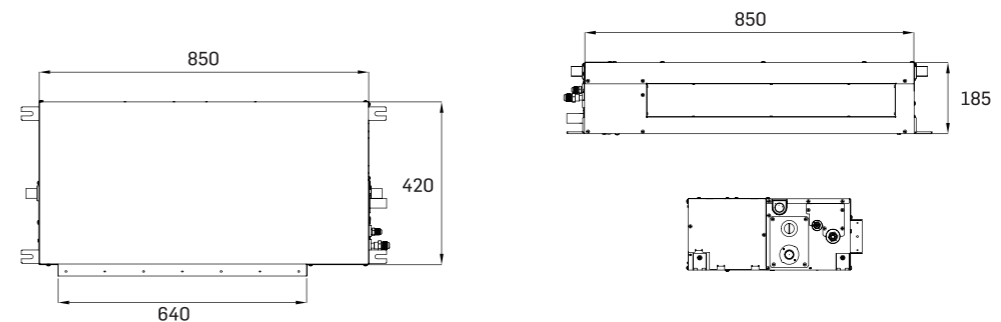
1. Backward air return (factory default);
2. Downward air return (can be adjusted on site. See the following figures.)



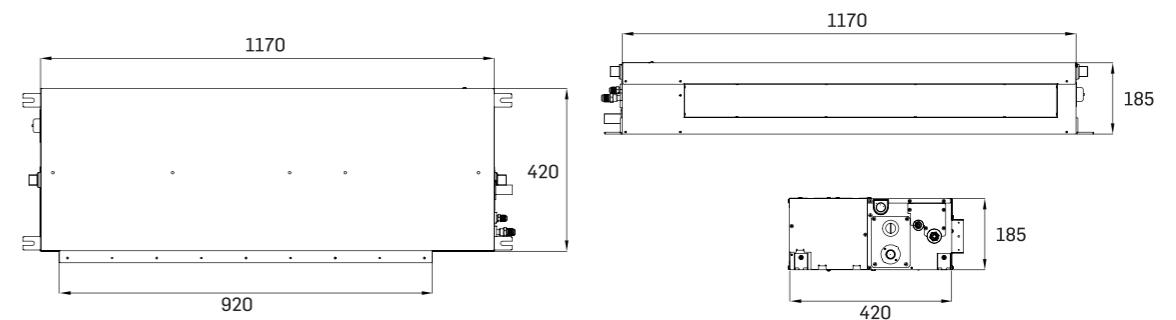
Note: the downward air return mode would increase noise 3-5 dB(A). It is recommended to install the air conditioner in downward air return mode 2 if enough space is available.

Dimensions

40VD005/007/009/012/016L-7E-QEE
40VD005/007/009/012/016L-7E-KEE



40VD018/024L-7E-QEE
40VD018/024L-7E-KEE





STANDARD STATIC DUCT (AC MOTOR 50/100 PA)



- Elegant slim design with the thinnest shape
- Hidden installation for a clean and sophisticated appearance
- Standard draining pump with maximum 700 mm lift
- Reserve outside air inlet that helps improve indoor air quality
- T-shaped lifting eye with adjustable width and length direction for your convenience
- Better sealing pipe liner made of heat-retaining EPS material



Specifications

Model Code	Item (China)	Unit	40VD005S-7G-QEE	40VD007S-7G-QEE	40VD009S-7G-QEE	40VD012S-7G-QEE	40VD016S-7G-QEE	40VD018S-7G-QEE
	Item (Thailand)		40VD005S-7G-KEE	40VD007S-7G-KEE	40VD009S-7G-KEE	40VD012S-7G-KEE	40VD016S-7G-KEE	40VD018S-7G-KEE
Capacity	Cooling	kBtu/h	5.1	7.5	9.5	12.3	15.3	19.1
		kW	1.5	2.2	2.8	3.6	4.5	5.6
	Heating	kBtu/h	5.8	8.5	10.9	13.6	17.1	21.5
		kW	1.7	2.5	3.2	4	5	6.3
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Power Consumption	W	105	105	105	105	125	137
Performance	Air Flow (H/M/L)	m³/h	630/510/424	630/510/424	630/510/424	630/510/424	740/550/442	980/840/760
	Sound Pressure Level(H/M/L)	dB(A)	35/33/31	35/33/31	35/33/31	35/33/31	35/33/31	36/34/32
	Sound Power Level(H/M/L)	dB(A)	39/37/35	39/37/35	39/37/35	39/37/35	39/37/35	40/38/36
Installation	External Dimensions(W x D x H)	mm	700/700/248	700/700/248	700/700/248	700/700/248	700/700/248	1100/700/248
	Shipping Dimensions(W x D x H)	mm	932/835/280	932/835/280	932/835/280	932/835/280	932/835/280	1332/835/280
	Net/Shipping Weight	kg	27/32	27/32	27/32	27/32	28.5/33.5	36.8/43.5
	Refrigerant Liquid Pipe	mm	6.35	6.35	6.35	6.35	6.35	6.35
	Refrigerant Gas Pipe	mm	9.52	9.52	9.52	12.7	12.7	12.7
	Static Pressure(Standard/Max.)	Pa	50/100	50/100	50/100	50/100	50/100	50/100
Drain Pump	O-optional,S-standard,W-without	/	Standard	Standard	Standard	Standard	Standard	Standard

Specifications



Model Code	Item (China)	Unit	40VD024S-7G-QEE	40VD028S-7G-QEE	40VD030S-7G-QEE	40VD038S-7G-QEE	40VD048S-7G-QEE	40VD054S-7G-QEE
	Item (Thailand)		40VD024S-7G-KEE	40VD028S-7G-KEE	40VD030S-7G-KEE	40VD038S-7G-KEE	40VD048S-7G-KEE	40VD054S-7G-KEE
Capacity	Cooling	kBtu/h	24.2	27.3	30.7	38.2	47.8	54.6
		kW	7.1	8	9	11.2	14	16
	Heating	kBtu/h	27.3	30.7	34.1	44.4	55.6	61.4
		kW	8	9	10	13	16.3	18
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Power Consumption	W	190	190	230	235	290	290
Performance	Air Flow (H/M/L)	m³/h	1174/1080/960	1174/1080/960	1500/1180/930	1700/1300/900	2000/1700/1250	2000/1700/1250
	Sound Pressure Level(H/M/L)	dB(A)	40/37/34	42/38/34	42/38/34	42/39/35	43/40/35	43/40/35
	Sound Power Level(H/M/L)	dB(A)	44/41/38	46/42/38	46/42/38	46/33/39	47/44/39	47/44/39
Installation	External Dimensions(W x D x H)	mm	1100/700/248	1100/700/248	1100/700/248	1500/700/248	1500/700/248	1500/700/248
	Shipping Dimensions(W x D x H)	mm	1332/835/280	1332/835/280	1332/835/280	1698/857/305	1698/857/305	1698/857/305
	Net/Shipping Weight	kg	37/43.4	37/43.6	39.4/45.4	48.3/56.5	51.3/59.5	51.3/59.5
	Refrigerant Liquid Pipe	mm	9.52	9.52	9.52	9.52	9.52	9.52
	Refrigerant Gas Pipe	mm	15.88	15.88	15.88	15.88	15.88	15.88
	Static Pressure(Standard/Max.)	Pa	50/100	50/100	50/100	50/100	50/100	50/100
Drain Pump	O-optional,S-standard,W-without	/	Standard	Standard	Standard	Standard	Standard	Standard

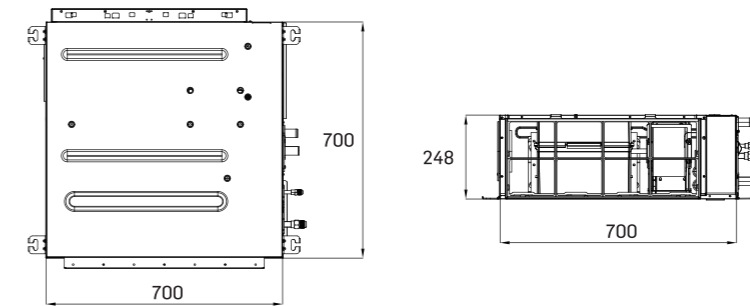


STANDARD STATIC DUCT (AC MOTOR – 50/100 PA)



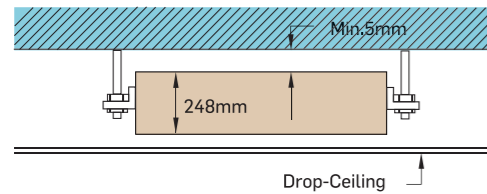
Dimensions

40VD005S-7G-QEE/40VD007S-7G-QEE/40VD009S-7G-QEE/40VD012S-7G-QEE/40VD016S-7G-QEE
40VD005S-7G-KEE/40VD007S-7G-KEE/40VD009S-7G-KEE/40VD012S-7G-KEE/40VD016S-7G-KEE



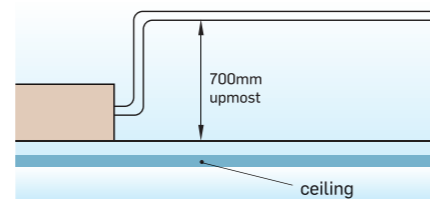
Slim & Compact Design

The compact design is 248mm in height and is ideal for installation where space above ceiling is limited.



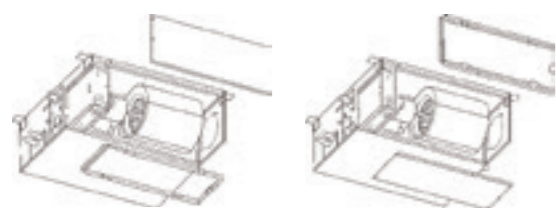
Built-in Drain Pump

Built-in drain pump (700mm pump head)



Indoor Unit Line-Up – Standard Static Duct

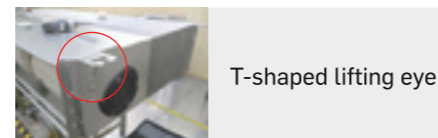
- Flexible Bottom or Rear Air Return



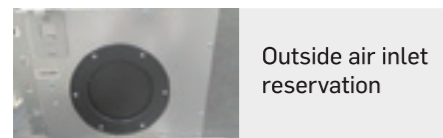
Back air return opening

Below air return opening

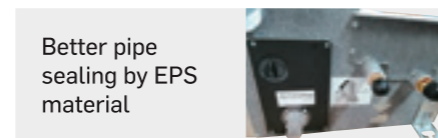
- Fixation adjustment
Width and length direction can be adjusted for more convenience



T-shaped lifting eye

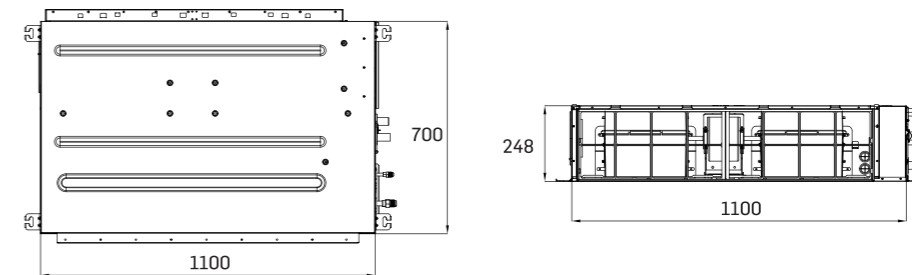


Outside air inlet reservation

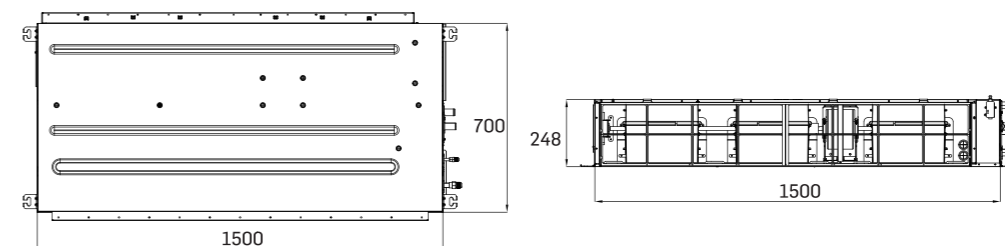


Better pipe sealing by EPS material

40VD018S-7G-QEE/40VD024S-7G-QEE/40VD028S-7G-QEE/40VD030S-7G-QEE
40VD018S-7G-KEE/40VD024S-7G-KEE/40VD028S-7G-KEE/40VD030S-7G-KEE



40VD038S-7G-QEE/40VD048S-7G-QEE/40VD054S-7G-QEE
40VD038S-7G-KEE/40VD048S-7G-KEE/40VD054S-7G-KEE





STANDARD STATIC DUCT (DC MOTOR 20/200 PA)



- Elegant slim design with T-shaped lifting eye with adjustable width and length direction for your convenience
- Hidden installation for a clean and sophisticated appearance
- Standard draining pump with maximum 700 mm lift
- Reserve outside air inlet that helps improve indoor air quality
- High-quality sealing pipe liner made of heat-retaining EPS material



Indoor

Specifications

Model Code	Item	Unit	40VD005S-7S-QEE	40VD007S-7S-QEE	40VD009S-7S-QEE	40VD012S-7S-QEE	40VD016S-7S-QEE	40VD018S-7S-QEE
Capacity	Cooling	kBtu/h	5.1	7.5	9.5	12.3	15.3	19.1
		kW	1.5	2.2	2.8	3.6	4.5	5.6
	Heating	kBtu/h	5.8	8.5	10.9	13.6	17.1	21.5
		kW	1.7	2.5	3.2	4.0	5.0	6.3
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	Power Consumption	W	27	27	27	31	39	42
Performance	Air Flow (H/M/L)	m³/h	515/440/390	545/470/390	545/470/390	570/495/420	700/625/550	915/765/640
	Sound Pressure Level(H/M/L)	dB(A)	29/27/25	30/28/25	30/28/25	31/29/27	32/30/28	33/31/29
	Sound Power Level(H/M/L)	dB(A)	41/39/37	42/40/37	42/40/37	43/41/39	44/42/40	45/43/41
Installation	External Dimensions(W x D x H)	mm	700 x 700 x 248	700 x 700 x 248	700 x 700 x 248	700 x 700 x 248	700 x 700 x 248	1100 x 700 x 248
	Shipping Dimensions(W x D x H)	mm	932 x 835 x 280	932 x 835 x 280	932 x 835 x 280	932 x 835 x 280	932 x 835 x 280	1332 x 835 x 280
	Net/Shipping Weight	kg	27/32	27/32	27/32	27/32	28.5/33.5	36.8/43.4
	Refrigerant Liquid Pipe	mm	6.35	6.35	6.35	6.35	6.35	6.35
	Refrigerant Gas Pipe	mm	9.52	9.52	9.52	12.7	12.7	12.7
	Static Pressure(Standard/Max.)	Pa	20/200	20/200	20/200	20/200	20/200	20/200
Drain Pump	O-optional,S-standard,W-without	/	Standard	Standard	Standard	Standard	Standard	Standard

Specifications



Model Code	Item	Unit	40VD024S-7S-QEE	40VU028S-7S-QEE	40VD030S-7S-QEE	40VU038S-7S-QEE	40VD048S-7S-QEE	40VD054S-7S-QEE
Capacity	Cooling	kBtu/h	24.2	27.3	30.7	38.2	47.8	54.6
		kW	7.1	8.0	9.0	11.2	14	16
	Heating	kBtu/h	27.3	30.7	34.1	44.4	55.6	61.4
		kW	8.0	9.0	10	13	16.3	18
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	Power Consumption	W	71	71	80	80	140	140
Performance	Air Flow (H/M/L)	m³/h	1275/1050/875	1275/1050/875	1450/1200/1000	2000/1700/1400	2150/1750/1400	2350/1950/1600
	Sound Pressure Level(H/M/L)	dB(A)	34/31/29	35/33/30	36/33/30	38/35/32	40/36/32	42/38/34
	Sound Power Level(H/M/L)	dB(A)	46/43/41	47/45/42	48/45/42	50/47/44	52/48/44	54/50/46
Installation	External Dimensions(W x D x H)	mm	1100 x 700 x 248	1100 x 700 x 248	1100 x 700 x 248	1500 x 700 x 248	1500 x 700 x 248	1500 x 700 x 248
	Shipping Dimensions(W x D x H)	mm	1332 x 835 x 280	1332 x 835 x 280	1332 x 835 x 280	1698 x 857 x 305	1698 x 857 x 305	1698 x 857 x 305
	Net/Shipping Weight	kg	36.8/43.4	36.8/43.4	39.4/45.4	48.3/56.5	51.3/59.5	51.3/59.5
	Refrigerant Liquid Pipe	mm	9.52	9.52	9.52	9.52	9.52	9.52
	Refrigerant Gas Pipe	mm	15.88	15.88	15.88	15.88	15.88	15.88
	Static Pressure(Standard/Max.)	Pa	20/200	20/200	20/180	20/180	20/180	20/180
Drain Pump	O-optional,S-standard,W-without	/	Standard	Standard	Standard	Standard	Standard	Standard

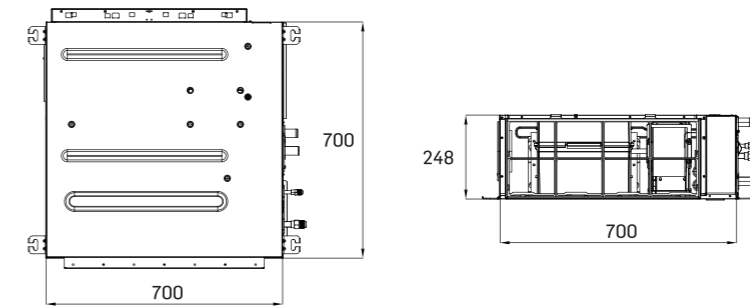


STANDARD STATIC DUCT (DC MOTOR – 20/200 PA)



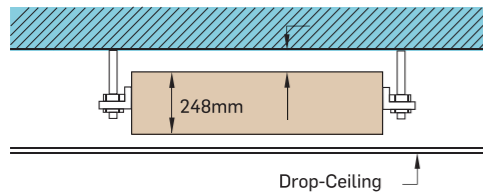
Dimensions

40VD005S-7G-QEE/40VD007S-7G-QEE/40VD009S-7G-QEE/40VD012S-7G-QEE/40VD016S-7G-QEE
40VD005S-7G-KEE/40VD007S-7G-KEE/40VD009S-7G-KEE/40VD012S-7G-KEE/40VD016S-7G-KEE



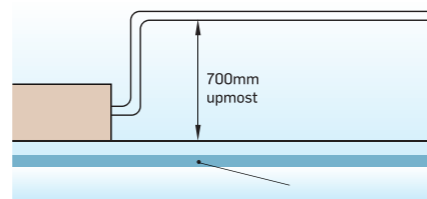
Slim & Compact Design

The compact design is 248mm in height and is ideal for installation where space above ceiling is limited.



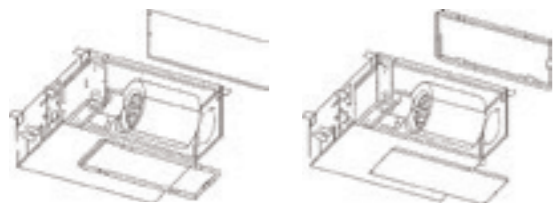
Built-in Drain Pump

Built-in drain pump (700mm / 1200mm pump head)



Standard Static Duct

- Flexible Bottom or Rear Air Return



Back air return opening

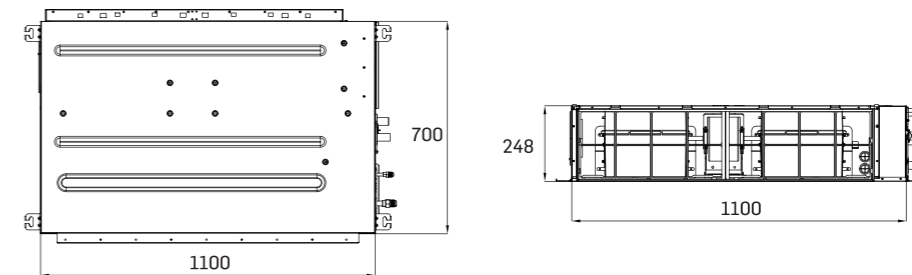
Below air return opening



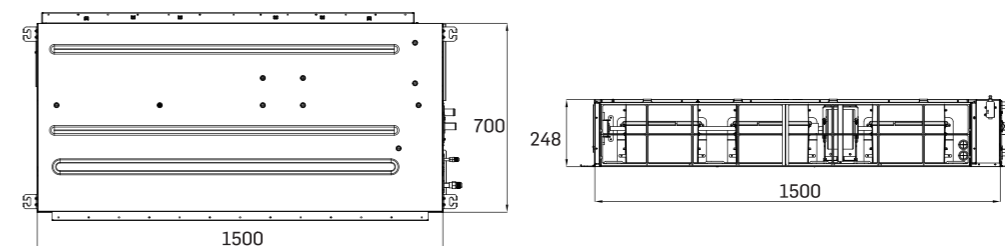
- Fixation adjustment
Width and length direction can be adjusted for more convenience



40VD018S-7G-QEE/40VD024S-7G-QEE/40VD028S-7G-QEE/40VD030S-7G-QEE
40VD018S-7G-KEE/40VD024S-7G-KEE/40VD028S-7G-KEE/40VD030S-7G-KEE



40VD038S-7G-QEE/40VD048S-7G-QEE/40VD054S-7G-QEE
40VD038S-7G-KEE/40VD048S-7G-KEE/40VD054S-7G-KEE





Specifications



Model Code	Item (China)	Unit	40VD030R-7E-QSS	40VD038R-7E-QSS	40VD048R-7E-QSS
	Item (Thailand)		40VD030R-7E-KSS	40VD038R-7E-KSS	40VD048R-7E-KSS
Capacity	Cooling	kBtu/h	30.7	38.2	47.8
		kW	9.0	11.2	14
	Heating	kBtu/h	34.1	44.3	55.6
		kW	10	13	16.3
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	Power consumption	W	290	300	300
Performance	Air Flow (H/M/L)	m ³ /h	2050/1500/1150	2050/1500/1150	2050/1500/1150
	Sound Pressure Level (H/M/L)	dB(A)	48/46/43	49/46/44	49/46/44
	Sound Power Level (H/M/L)	dB(A)	64/62/58	66/62/59	66/62/59
Installation	External Dimensions(W x D x H)	mm	1135 x 742 x 270	1135 x 742 x 270	1135 x 742 x 270
	Shipping Dimensions(W x D x H)	mm	1301/853/305	1301/853/305	1301/853/305
	Net/Shipping Weight	kg	35/38	41/44	41/44
	Refrigerant Liquid Pipe	mm	9.52	9.52	9.52
	Refrigerant Gas Pipe	mm	15.88	15.88	15.88
	Static Pressure (Standard/max.)	Pa	50/120	50/120	50/120
Drain Pump	O-optional, S-standard, W-without	/	40VAD096P7FQEE (Optional)	40VAD096P7FQEE (Optional)	40VAD096P7FQEE (Optional)

MEDIUM STATIC DUCT (DC Motor 20-120 PA)



- Compact design with 1100mm width only
- Slim design 248 mm
- High efficiency DC inverter motor
- Bottom or rear air return
- Optional drain pump 40VAD096P7FQEE can be connected
- Maximum ESP 120Pa & 4 grades ESP available to be settled



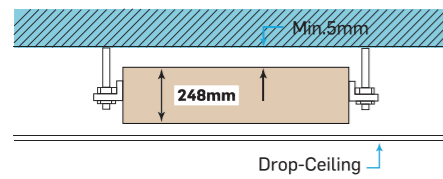


MEDIUM STATIC DUCT (DC Motor 20-120 PA)



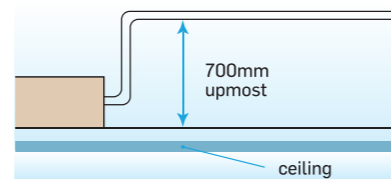
Slim & Compact Design

Uniform 248 mm in height. Compact design for easy installation where space over ceiling is limited, while offering up to 120 Pa ESP.



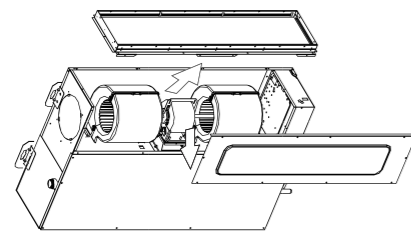
Optional Drain Pump

Optional drain pump (700 mm pump head).

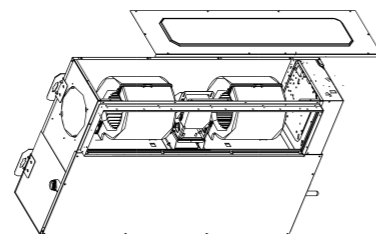


Flexible return air location

Remarks: In during installation, you can select the lower air return or back air return by adjusting the location of air inlet frame.

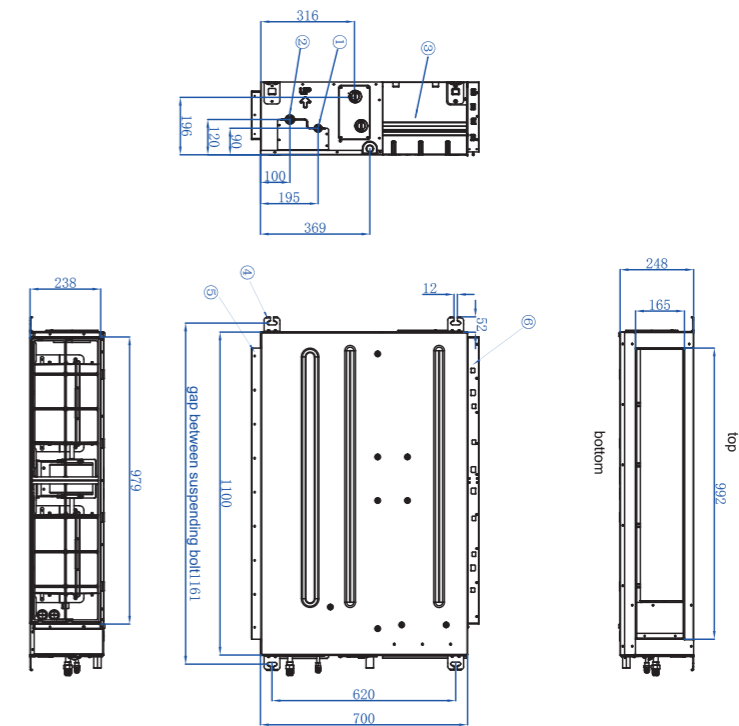


Back air return opening
(factory setting)

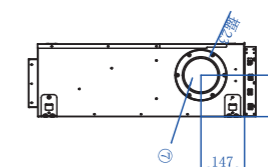


Below air return opening

Dimensions



SN	Part Name
1	liquid pipe
2	gas pipe
4	control box
5	suspending bracket
6	air outlet
7	air inlet
8	fresh air inlet





HIGH STATIC DUCT

(18-54K DC 20-200PA | 72/96K AC 200PA)

18-54K:

- High efficiency DC inverter motor (18-54K)
- Elegant slim design with only 248mm thickness
- Standard built-in drain pump with 700mm pump head
- Knock-out hole for outside air intake
- Compact design with 1100mm width only(18-30K) (Able to be removed depends on your side)
- Maximum ESP 200Pa & 10 grades ESP available to be settled
- Bottom or rear air return (Could be removed if needed)



38-54K

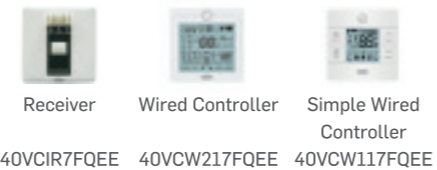
72/96K



Multi-language
Wired Controller
40VCW327FQEE

Wireless
Controller
40VCI67FQEE

Wireless Controller
For Cooling Only
40VIC17FQSS



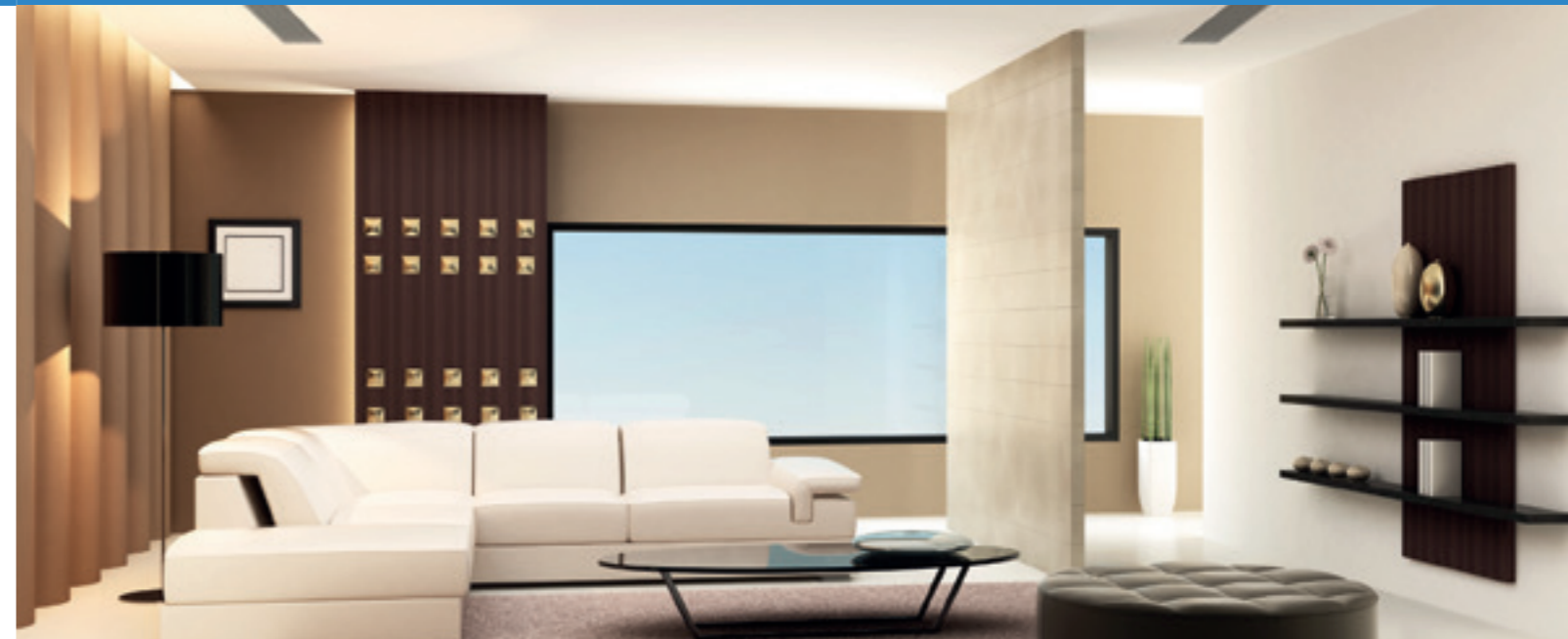
Receiver
40VCIR7FQEE

Wired Controller
40VCW217FQEE

Simple Wired
Controller
40VCW117FQEE

72/96K

- Standard static pressure 100pa, 20% airflow deration under 180Pa, 25% airflow deration under 200Pa
- 2000PLS high precision large volume EXV, good regulation, low noise and low pressure loss
- Built-in flow switch to detect poor drainage
- The gas pipe group is equipped with a maintenance valve for convenient service and maintenance



Specifications

Model Code	Item (China)	Unit	40VD018H-7S-QSS	40VD024H-7S-QSS	40VD028H-7S-QSS	40VD030H-7S-QSS
	Item (Thailand)		40VD018H-7S-KSS	40VD024H-7S-KSS	40VD028H-7S-KSS	40VD030H-7S-KSS
Capacity	Cooling	kBtu/h	19.1	24.2	27.3	30.7
		kW	5.6	7.1	8	9
	Heating	kBtu/h	21.5	27.3	30.7	34.1
		kW	6.3	8	9	10
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	Power Consumption	W	42	71	71	80
Performance	Air Flow (H/M/L)	m ³ /h	915/765/640	1275/1050/875	1275/1050/875	1450/1200/1000
	Sound Pressure Level (H/M/L)	dB(A)	33/31/29	34/31/29	35/33/30	36/33/30
	Sound PowerLevel (H/M/L)	dB(A)	45/43/41	46/43/41	47/45/42	48/45/42
	External Dimensions(W x D x H)	mm	1100×700×248	1100×700×248	1100×700×248	1100×700×248
Installation	Shipping Dimensions(W x D x H)	mm	1332×835×280	1332×835×280	1332×835×280	1332×835×280
	Net/Shipping Weight	kg	36.8/43.4	36.8/43.4	36.8/43.4	39.4/45.4
	Refrigerant Liquid Pipe	mm	6.35	9.52	9.52	9.52
	Refrigerant Gas Pipe	mm	12.7	15.88	15.88	15.88
	Static Pressure (Standard/max.)	Pa	20/200	20/200	20/200	20/180
	Drain Pump	O-optional, S-standard, W-without	/	S	S	S

Specifications

Model Code	Item (China)	Unit	40VD038H-7S-QSS	40VD048H-7S-QSS	40VD054H-7S-QSS	40VD072H-7G-QSS	40VD096H-7G-QSS
	Item (Thailand)		40VD038H-7S-KSS	40VD048H-7S-KSS	40VD054H-7S-KSS	40VD072H-7G-KSS	40VD096H-7G-KSS
Capacity	Cooling	kBtu/h	38.2	47.8	54.6	77.1	95.5
		kW	11.2	14	16	22.6	28
	Heating	kBtu/h	44.4	55.6	61.4	86.0	107.5
		kW	13	16.3	18	25.2	31.5
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-230/50/60	1/220-230/50/60
	Power Consumption	W	80	140	140	750	750
Performance	Air Flow (H/M/L)	m ³ /h	2000/1700/1400	2150/1750/1400	2350/1950/1600	4200/3750/3330/2800*	4200/3750/3330/2800*
	Sound Pressure Level (H/M/L)	dB(A)	38/35/32	40/36/32	42/38/34	54/51/49/47**	54/51/49/47
	Sound Power Level (H/M/L)	dB(A)	50/47/44	52/48/44	54/50/46	68/65/63/61	68/65/63/61**
Installation	External Dimensions(W x D x H)	mm	1500×700×248	1500×700×248	1500×700×248	1333×748×495	1333×748×495
	Shipping Dimensions(W x D x H)	mm	1698×857×305	1698×857×305	1698×857×305	1558×896×668	1558×896×668
	Net/Shipping Weight	kg	48.3/56.5	51.3/59.5	51.3/59.5	87/109	87/109
	Refrigerant Liquid Pipe	mm	9.52	9.52	9.52	12.7	12.7
	Refrigerant Gas Pipe	mm	15.88	15.88	15.88	22.22	22.22
	Static Pressure (Standard/max.)	Pa	20/180	20/180	20/180	100/200	100/200
Drain Pump	O-optional, S-standard, W-without	/	S	S	S	W	W

*Air flow under 180Pa(S/H/M/L):3500/2950/2600/2200m³/h
Air flow under 200Pa(S/H/M/L):3300/2780/2400/2030m³/h
**72/96K sound level under S/H/M/L airflow



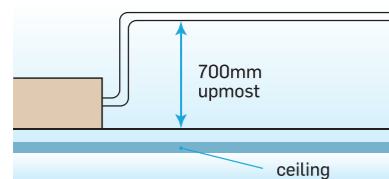
HIGH STATIC DUCT

(18-54K DC 20-200PA 72/96K AC 200PA)



Built-in Drain Pump (72/96K not included)

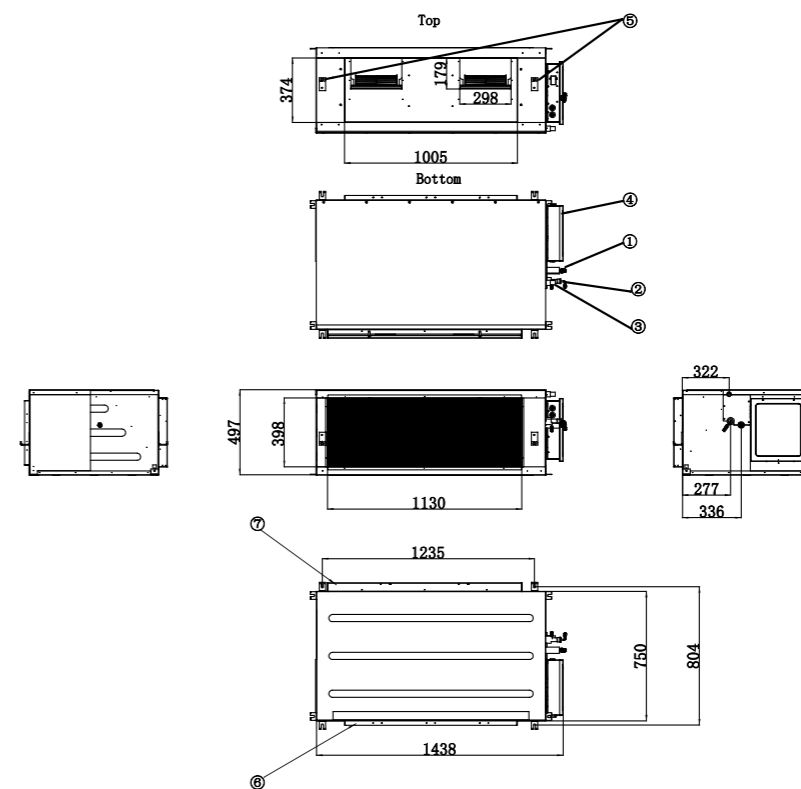
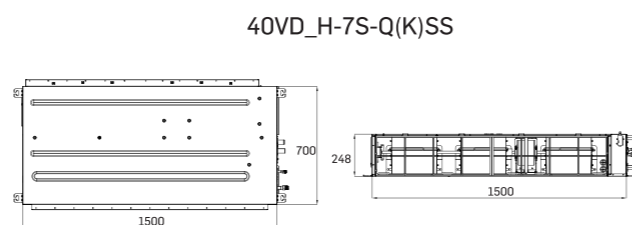
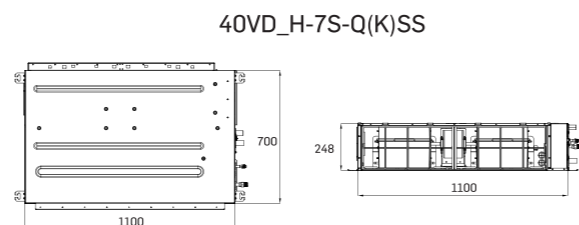
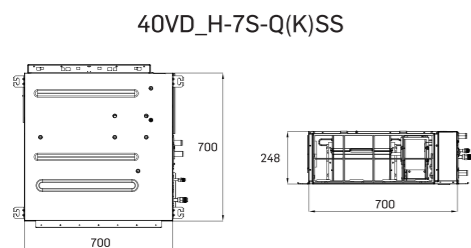
Built-in drain pump
(700 mm pump head).



Dimensions

(18-54K DC 20-200Pa | 72/96K AC 200Pa)

Dimensions

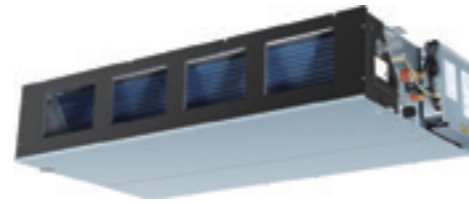


No.	part name
1	liquid pipe
2	gas pipe
3	drain pipe
4	electrical box
5	angle iron for hanging
6	air outlet
7	air inlet



HIGH STATIC DUCT (DC MOTOR 0 - 250 PA)

- Wide range of capacities covered from 2.2 kW to 28kW with compact 280 mm height (40VD007-054H-7S-QEE)
- High-efficiency, low energy consumption DC motor
- 6.35 mm coil copper pipe to ensure more precise & efficient refrigerant distribution
- Top-performing composite material fan wheel blower with light air resistance
- ESP can be changed according to requirements to minimize the noise
- Installer-friendly buckle design of electric box & pull-out fan motor design
- Built-in drain pump (40VD007-054H-7S-QEE)



Indoor

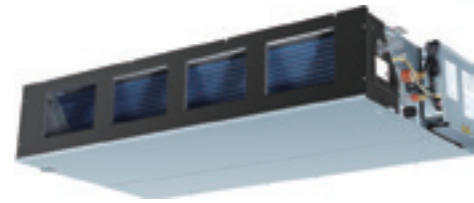
Specifications

Model Code	Item	Unit	40VD007H-7S-QEE	40VD009H-7S-QEE	40VD012H-7S-QEE	40VD015H-7S-QEE	40VD018H-7S-QEE	40VD024H-7S-QEE
Capacity	Cooling	kBtu/h	7.6	9.6	12.1	15.1	18.2	24
		kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kBtu/h	8.6	10.6	13.6	17	20	27
		kW	2.5	3.2	4.0	5.0	6.3	8.0
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-240/50(60)	1/220-240/50(60)	1/220-240/50(60)	1/220-240/50(60)	1/220-240/50(60)	1/220-240/50(60)
	Power Consumption	W	120	120	181	181	181	252.3
Performance	Air Flow (H/M/L)	m³/h	500/410/360	600/510/450	700/580/500	780/680/600	900/780/600	1100/1020/920
	Sound Pressure Level (H/M/L)	dB(A)	30/25/23	30/25/23	32/29/26	32/29/26	32/29/26	33/29/25
Installation	External Dimensions(W x D x H)	mm	750 x 635 x 280	750 x 635 x 280	750 x 635 x 280	750 x 635 x 280	750 x 635 x 280	950 x 635 x 280
	Shipping Dimensions(W x D x H)	mm	980 x 740 x 335	980 x 740 x 335	980 x 740 x 335	980 x 740 x 335	980 x 740 x 335	1180 x 740 x 335
	Net/Shipping Weight	kg	29/35	29/35	29/35	29/35	29/35	34/41
	Refrigerant Liquid Pipe	mm	6.35	6.35	6.35	6.35	6.35	9.52
	Refrigerant Gas Pipe	mm	9.52	9.52	12.7	12.7	12.7	15.88
	Static Pressure (Standard/max.)	Pa	0-200	0-200	0-200	0-200	0-200	0-200
Drain Pump	O-optional,S-standard,W-without	/	Standard	Standard	Standard	Standard	Standard	Standard

Specifications



Model Code	Item	Unit	40VD028H-7S-QEE	40VD030H-7S-QEE	40VD036H-7S-QEE	40VD048H-7S-QEE	40VD054H-7S-QEE	40VD072H-7S-QEE	40VD096H-7S-QEE
Capacity	Cooling	kBtu/h	27.3	30	36	48	54	76.4	95.5
		kW	8.0	9.0	11.2	14	16	22.4	28
	Heating	kBtu/h	30.7	34	40	54	60	85.3	105.8
		kW	9.0	10	12.5	16	18	25	31
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-240/50(60)	1/220-240/50(60)	1/220-240/50(60)	1/220-240/50(60)	1/220-240/50(60)	1/220-240/50(60)	1/220-240/50(60)
	Power Consumption	W	259.3	259.3	315.6	366.8	366.8	645.0	950.0
Performance	Air Flow (H/M/L)	m³/h	1500/1320/1220	1500/1320/1220	1700/1510/1400	2280/1920/1780	2280/1920/1780	4200/3500/2900	5200/4300/3500
	Sound Pressure Level (H/M/L)	dB(A)	33/29/25	33/29/25	38/36/30	40/34/29	40/34/29	55/51/47	62/58/54
Installation	External Dimensions (W x D x H)	mm	950 x 635 x 280	950 x 635 x 280	1370 x 740 x 280	1370 x 740 x 280	1370 x 740 x 280	1330×895×500	1330×895×500
	Shipping Dimensions (W x D x H)	mm	1180 x 740 x 335	1180 x 740 x 335	1555 x 839 x 380	1555 x 839 x 380	1555 x 839 x 380	1590×1087×690	1590×1087×690
	Net/Shipping Weight	kg	34/41	34/41	54/68	54/68	54/68	103/146	103/146
	Refrigerant Liquid Pipe	mm	9.52	9.52	9.52	9.52	9.52	12.7	12.7
	Refrigerant Gas Pipe	mm	15.88	15.88	15.88	15.88	15.88	22.22	22.22
	Static Pressure (Standard/max.)	Pa	0-200	0-200	0-200	0-200	0-200	100/250	100/250
Drain Pump	O-optional,S-standard,W-without	/	Standard	Standard	Standard	Standard	Standard	Without	Without

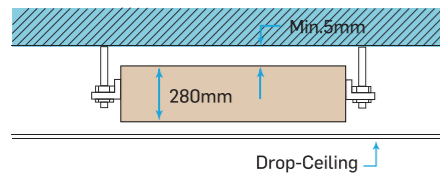


HIGH STATIC DUCT (DC MOTOR – 0/250 PA)



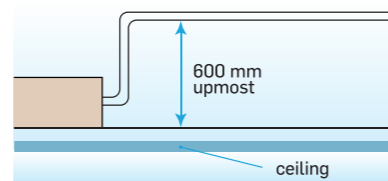
Slim, Light Weight & Compact Design

Uniform 280 mm in height. Compact design for easy installation where space over ceiling is limited.



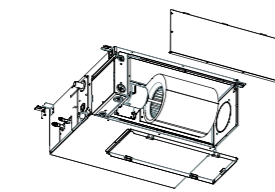
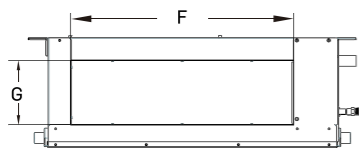
Built-in Drain Pump

Built-in drain pump (600 mm pump head).

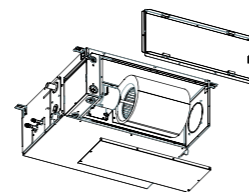


Energy Saving

- High-efficiency DC fan motor
- 6.35mm heat exchange tube ensures more precise refrigerant distribution and higher efficiency
- High performance composite material wind wheel, light and small air resistance



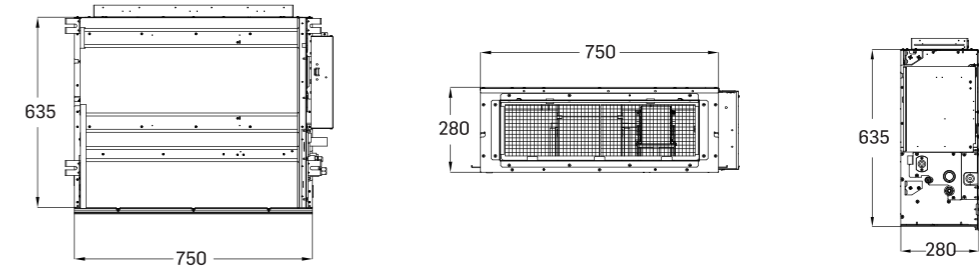
Back air return opening



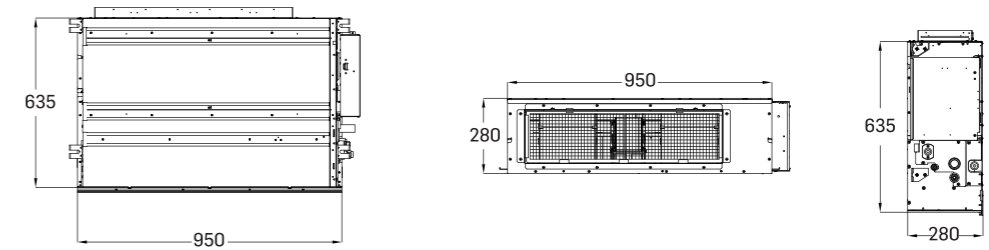
Below air return opening

Dimensions

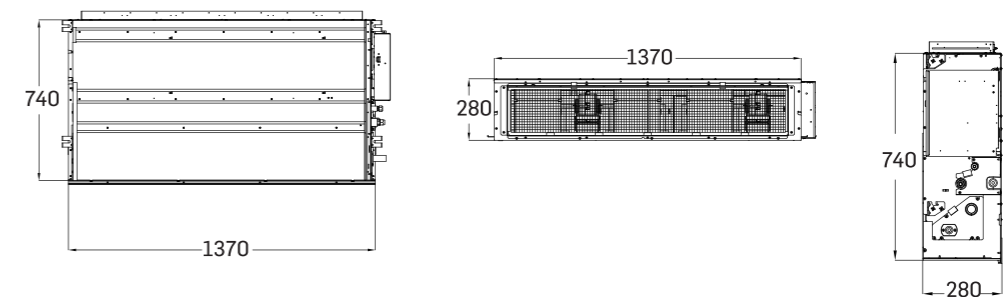
40VD007/009/012/015/018H-7S-QEE



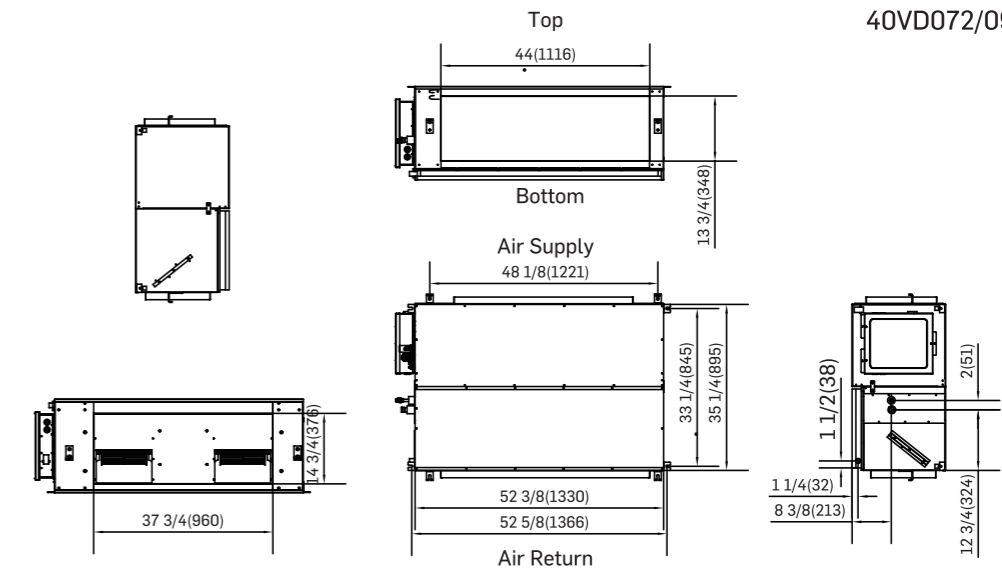
40VD024/028/030H-7S-QEE



40VD036/048/054H-7S-QEE



40VD072/096H-7S-QEE







HIGH WALL (DC MOTOR)

- Stylish & exclusive design with LED display
- Easy-support clip to enable simple installation
- High efficiency DC powered fan
- Cover panel using ABS-material to improve surface brightness and tenacity
- PCB integrated design, flexible piping direction arrangement
- PM 2.5 filter available (optional)



Specifications

Model Code	Item (China) Item (Thiland)	Heat Pump	Unit	40VK005S-7S2QEE 40VK005S-7S2KEE	40VK007S-7S2QEE 40VK007S-7S2KEE	40VK009S-7S2QEE 40VK009S-7S2KEE	40VK012S-7S2QEE 40VK012S-7S2KEE	40VK016S-7S2QEE 40VK016S-7S2KEE
	Item (China) Item (Thiland)	Cooling only		40VK005S-7S-QSS 40VK005S-7S-KSS	40VK007S-7S-QSS 40VK007S-7S-KSS	40VK009S-7S-QSS 40VK009S-7S-KSS	40VK012S-7S-QSS 40VK012S-7S-KSS	40VK016S-7S-QSS 40VK016S-7S-KSS
Capacity	Cooling		kBtu/h	5.1	7.5	9.5	12.3	15.3
			kW	1.5	2.2	2.8	3.6	4.5
	Heating*		kBtu/h	5.8	8.5	10.9	13.6	17.1
			kW	1.7	2.5	3.2	4.0	5.0
Electrical Parameters	Power Supply		Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	Power Consumption		W	38	38	38	38	52
Performance	Air Flow (H/M/L)		m ³ /h	500/430/370	550/480/420	600/530/470	630/560/500	800/720/650
	Sound Pressure Level(H/M/L)		dB(A)	33/31/29	35/31/29	36/31/29	37/33/29	39/36/34
	Sound Power Level(H/M/L)		dB(A)	49/46/41	50/47/42	52/48/44	54/51/50	56/53/51
Installation	External Dimensions(W x D x H)		mm	855 x 208 x 280	855 x 208 x 280	855 x 208 x 280	855 x 208 x 280	1115 x 243 x 336
	Shipping Dimensions(W x D x H)		mm	954 x 279 x 355	954 x 279 x 355	954 x 279 x 355	954 x 279 x 355	1206 x 342 x 418
	Net/Shipping Weight		kg	9.9/12	9.9/12	9.9/12	9.9/12	15.8/18.9
	Refrigerant Liquid Pipe		mm	6.35	6.35	6.35	6.35	6.35
	Refrigerant Gas Pipe		mm	9.52	9.52	9.52	12.7	12.7
Drain Pump	O-optional,S-standard,W-without		/	Optional	Optional	Optional	Optional	Optional

* Heating Data is invalid for cooling only products.

Specifications



Model Code	Item (China) Item (Thiland)	Heat Pump	Unit	40VK018S-7S2QEE 40VK018S-7S2KEE	40VK024S-7S2QEE 40VK024S-7S2KEE	40VK028S-7S2QEE 40VK028S-7S2KEE	40VK030S-7S2QEE 40VK030S-7S2KEE
	Item (China) Item (Thiland)	Cooling only		40VK018S-7S-QSS 40VK018S-7S-KSS	40VK024S-7S-QSS 40VK024S-7S-KSS	40VK028S-7S-QSS 40VK028S-7S-KSS	40VK030S-7S-QSS 40VK030S-7S-KSS
Capacity	Cooling		kBtu/h	19.1	24.2	27.3	30.7
			kW	5.6	7.1	8.0	9.0
	Heating*		kBtu/h	21.5	27.3	30.7	34.1
			kW	6.3	8.0	9.0	10
Electrical Parameters	Power Supply		Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	Power Consumption		W	52	52	94	94
Performance	Air Flow (H/M/L)		m ³ /h	920/800/720	1010/920/800	1500/1400/1300	1600/1500/1400
	Sound Pressure Level(H/M/L)		dB(A)	40/39/35	44/40/36	48/43/40	49/44/41
	Sound Power Level(H/M/L)		dB(A)	57/54/52	58/56/54	60/57/53	61/58/54
Installation	External Dimensions(W x D x H)		mm	1115 x 243 x 336	1115 x 243 x 336	1316 x 270 x 365	1316 x 270 x 365
	Shipping Dimensions(W x D x H)		mm	1206 x 342 x 418	1206 x 342 x 418	1403 x 384x 463	1403 x 384x 463
	Net/Shipping Weight		kg	15.8/18.9	15.8/18.9	21.8/26.3	21.8/26.3
	Refrigerant Liquid Pipe		mm	6.35	9.52	9.52	9.52
	Refrigerant Gas Pipe		mm	12.7	15.88	15.88	15.88
Drain Pump	O-optional,S-standard,W-without		/	Optional	Optional	Optional	Optional

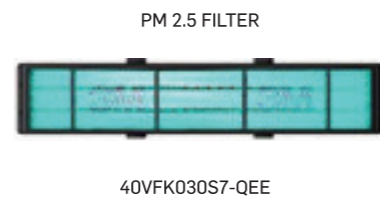
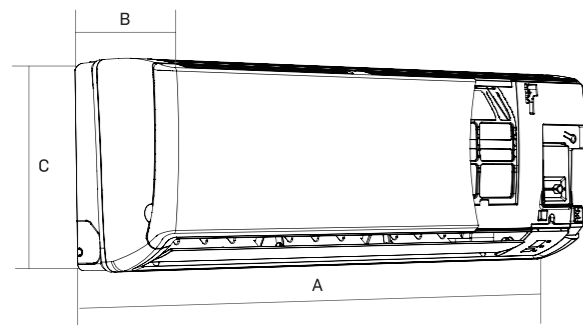


HIGH WALL (DC MOTOR)



Dimensions

MODEL	A	B	C
40VK005/007/009/012S-7S	855	208	280
40VK016/018/024S-7S	1115	243	336
40VK028/030S-7S	1316	220	365

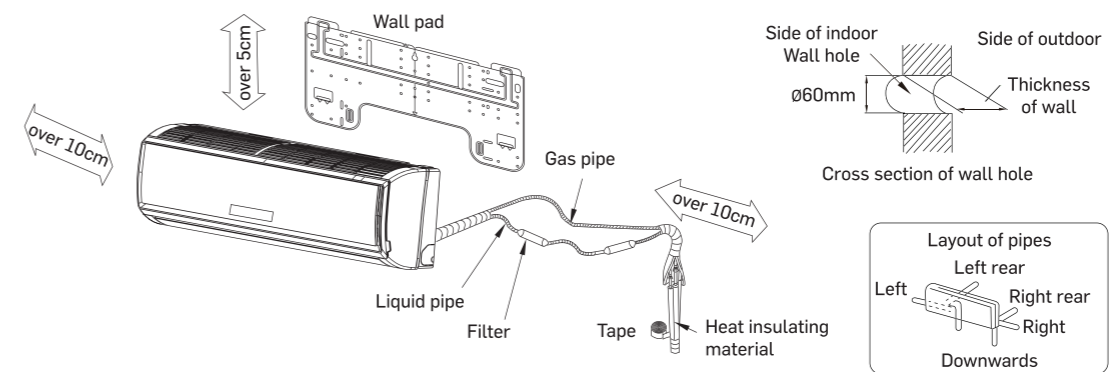
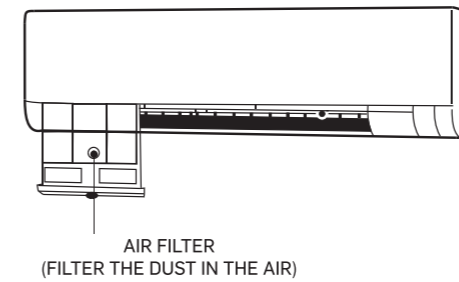


PM 2.5 FILTER (OPTIONAL)

FILTER CODE	DIMENSIONS
40VFK030S7-QEE	225*50*5 MM

Easy Service & Maintenance

- Easy removal of air filters for cleaning
- Remote on/off function and alarm function
- Easy access to indoor unit components





Specifications

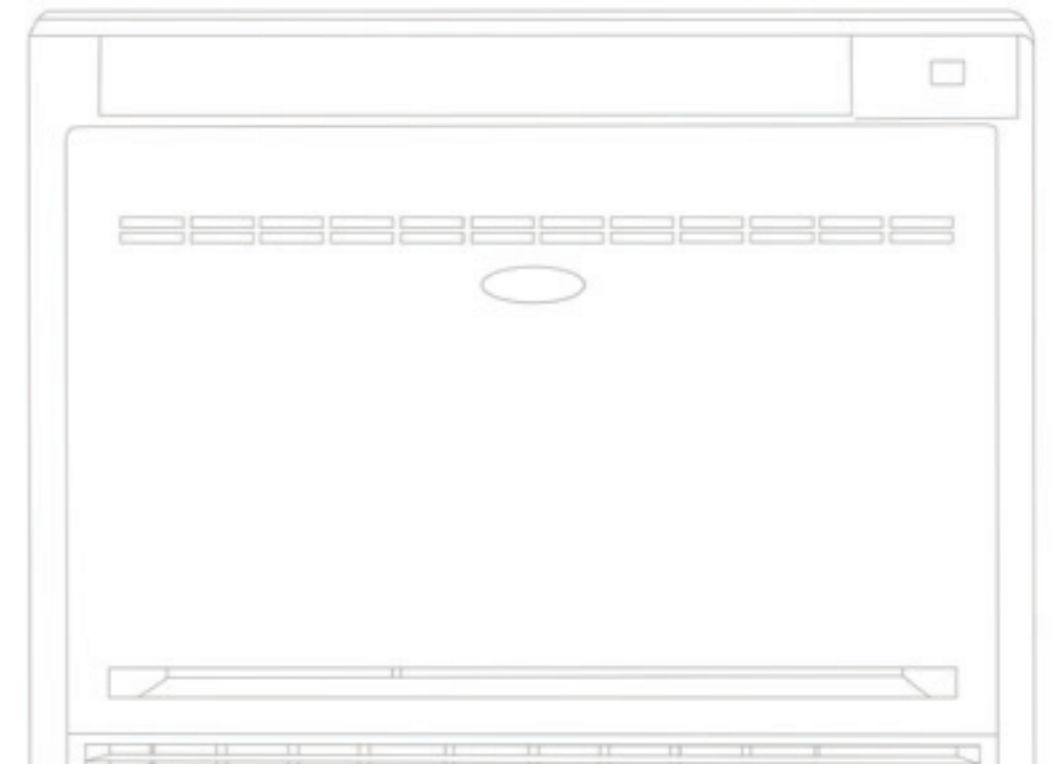
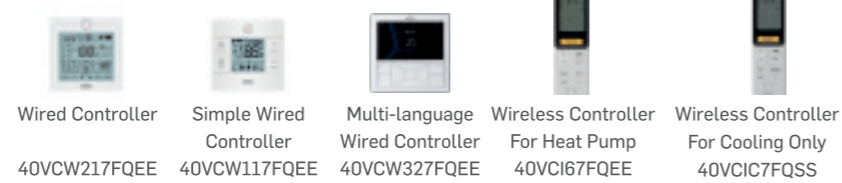
COOLING HEATING

Model Code	Item	Unit	40VL005B-7E-QEE	40VL007B-7E-QEE	40VL009B-7E-QEE	40VL012B-7E-QEE	40VL018B-7E-QEE
Capacity	Cooling	kBtu/h	5.1	7.5	9.5	12.3	17
		kW	1.5	2.2	2.8	3.6	5.0
	Heating*	kBtu/h	5.8	8.5	10.9	13.6	18.5
		kW	1.7	2.6	3.2	4.0	5.5
Electrical Parameters	Power Supply	Ph/V/Hz	1,220-230V,50/60	1,220-230V,50/60	1,220-230V,50/60	1,220-230V,50/60	1,220-230V,50/60
	Power Consumption	W	31	31	31	34	36
Performance	Air Flow (H/M/L)	m³/h	540/460/390/310/270	540/460/390/310/270	540/460/390/310/270	580/500/420/350/270	620/540/460/390/270
	Sound Pressure Level(H/M/L)	dB(A)	45/42/38/33/30	45/42/38/33/30	45/42/38/33/30	47/44/40/36/30	48/45/42/38/30
	Sound Power Level(H/M/L)	dB(A)	58/55/52/48/45	58/55/52/48/45	58/55/52/48/45	60/57/54/51/47	61/58/55/52/48
Installation	External Dimensions(W x D x H)	mm	700 x 210 x 600	700 x 210 x 600	700 x 210 x 600	700 x 210 x 600	700 x 210 x 600
	Shipping Dimensions(W x D x H)	mm	783 x 303 x 695	783 x 303 x 695	783 x 303 x 695	783 x 303 x 695	783 x 303 x 695
	Net/Shipping Weight	kg	15.2/18.7	15.2/18.7	15.2/18.7	15.2/18.7	15.2/18.7
	Refrigerant Liquid Pipe	mm	6.35	6.35	6.35	6.35	6.35
	Refrigerant Gas Pipe	mm	12.7	12.7	12.7	12.7	12.7

TWO-WAY CONSOLE (DC MOTOR)



- Compact design makes installation flexible and easy on the floor or against the wall
- Five fan speeds and two-way airflow modes that automatically adjust for extra comfort and flexibility
- Automatic adjusting to carpet airflow when switched to two-way airflow mode
- Stylish & elegant design

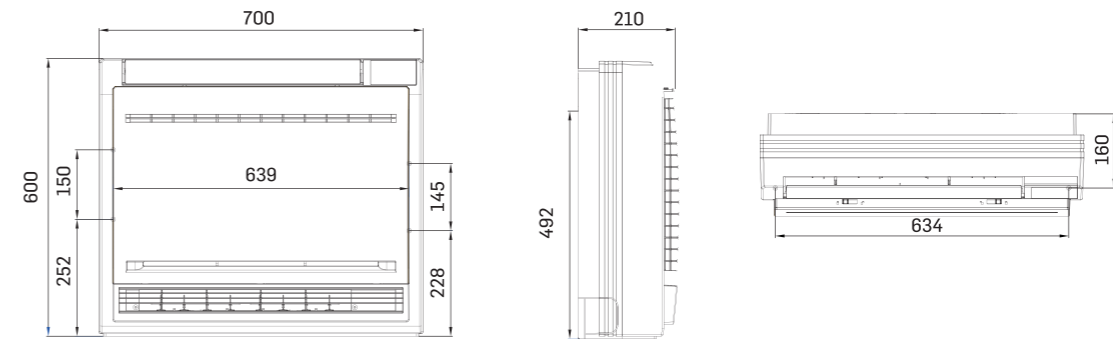




TWO-WAY CONSOLE (DC MOTOR)



Dimensions



Easy Installation

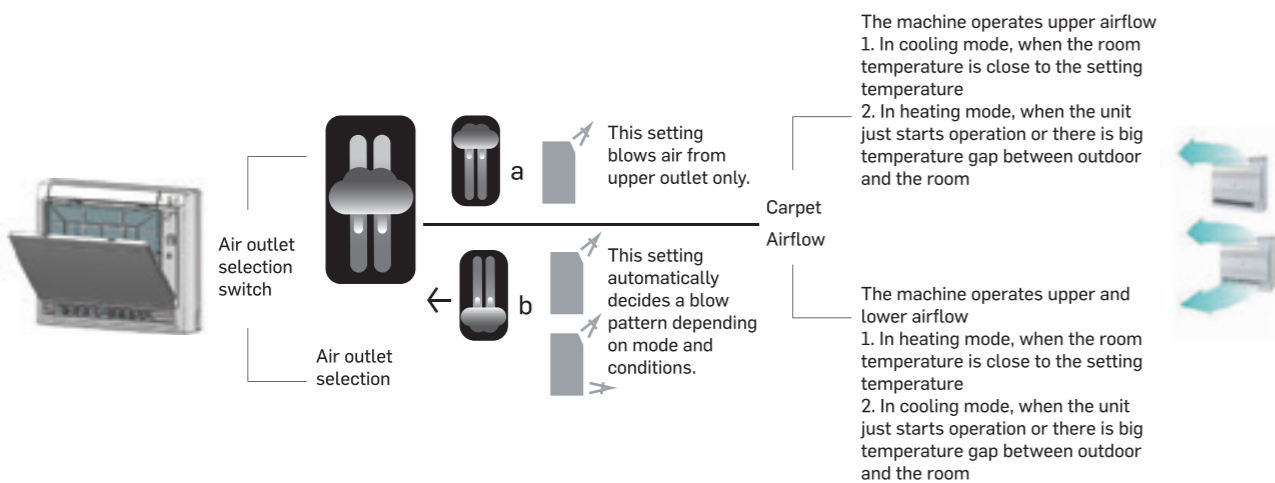
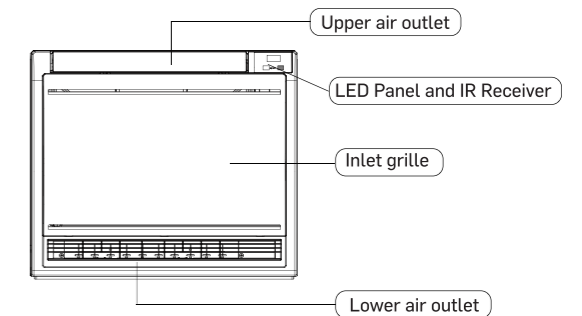
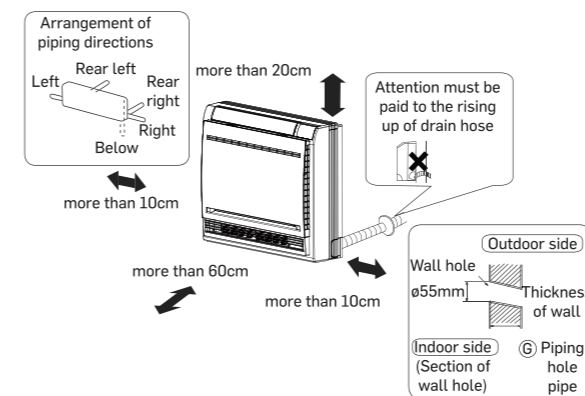
- The indoor units can be installed on the floor or on the wall. It's flexibility allows for easy installation.



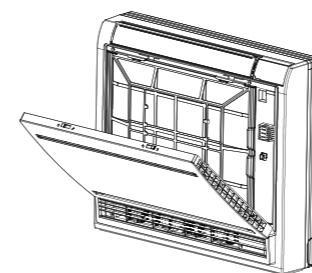
Compact Unit, Space Saving

- The console indoor unit is very slim and will be harmonious with any room. It can be placed at the corner, and is very space saving.

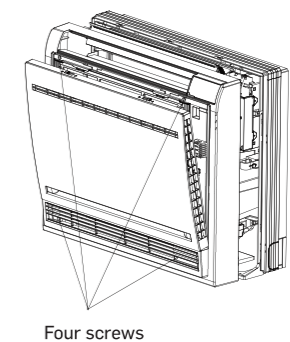
Installation & Service



- Hold the front panel by the tabs on the both sides and lift it until it stops with a click.



- Loosen the marked four screws and open the grille.





Specifications

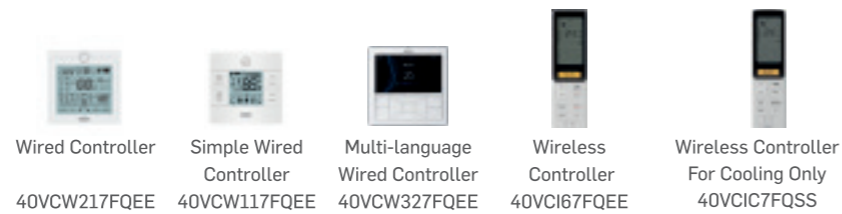
COOLING HEATING

Model Code	Item	Unit	40VL007R-7G-QEE	40VL009R-7G-QEE	40VL012R-7G-QEE	40VL016R-7G-QEE	40VL018R-7G-QEE	40VL024R-7G-QEE
Capacity	Cooling	kBtu/h	7.5	9.5	12.3	15.3	19.1	24.2
		kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kBtu/h	8.5	10.9	13.6	17.1	21.5	27.3
		kW	2.5	3.2	4.0	5.0	6.3	8.0
Electrical Parameters	Power Supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Power Consumption	W	110	110	110	150	150	150
Performance	Air Flow (H/M/L)	m ³ /h	750/650/550	750/650/550	750/650/550	950/830/720	950/830/720	950/830/720
	Sound Pressure Level(H/M/L)	dB(A)	38/35/33	38/35/33	40/37/35	40/37/35	42/39/36	42/39/36
	Sound Power Level(H/M/L)	dB(A)	51/48/46	51/48/46	53/50/48	53/50/48	55/52/49	55/52/49
Installation	External Dimensions(W x D x H)	mm	1116 x 221 x 624	1116 x 221 x 624	1116 x 221 x 624	1116 x 221 x 624	1116 x 221 x 624	1116 x 221 x 624
	Shipping Dimensions(W x D x H)	mm	1198 x 295 x 707	1198 x 295 x 707	1198 x 295 x 707	1198 x 295 x 707	1198 x 295 x 707	1198 x 295 x 707
	Net/Shipping Weight	kg	29/37	29/37	29/37	31/39	31/39	31/39
	Refrigerant Liquid Pipe	mm	6.35	6.35	6.35	6.35	6.35	9.52
	Refrigerant Gas Pipe	mm	9.52	9.52	12.7	12.7	12.7	15.88
	Static Pressure	Pa	0/30	0/30	0/30	0/30	0/30	0/30

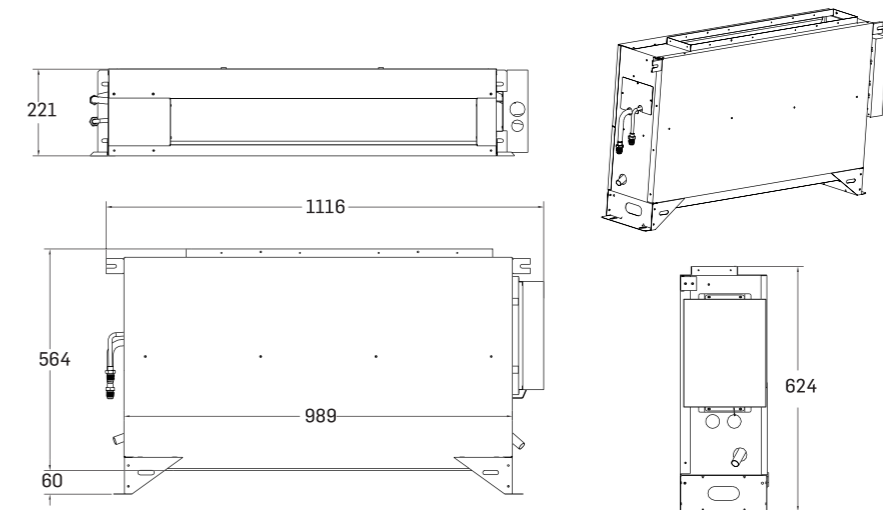
CONSOLE - RECESSED (AC MOTOR)



- Compact design suitable for installation space as little as 221 mm
- Good solution for installation beneath a window
- Washable filter fitted as standard
- 30 Pa available static pressure for small ducting or higher efficiency filter



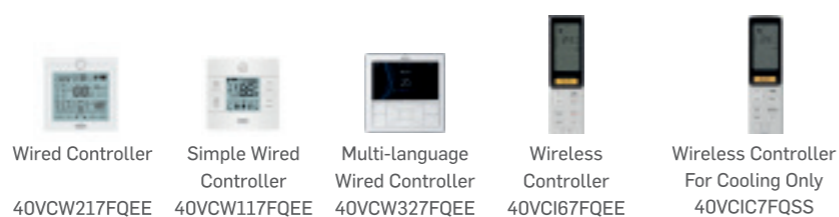
Dimensions





FLEX CEILING FLOOR (DC MOTOR)

- Ultra compact design (230 mm), elegant balance of flexibility and simplicity
- Appealing, even without screen cover
- Easy installation and maintenance
- Simultaneous left and right swing control for optional freestyle airflow
- Easy access to PCB
- PM 2.5 filter available (optional)



Specifications

Model Code	Item	Unit	40VC009F-7S-QEE	40VC012F-7S-QEE	40VC016F-7S-QEE	40VC018F-7S-QEE	40VC024F-7S-QEE
Capacity	Cooling	kBtu/h	9.5	12.3	15.4	19.1	24.2
		kW	2.8	3.6	4.5	5.6	7.1
	Heating	kBtu/h	10.9	13.6	17.1	21.5	27.3
		kW	3.2	4.0	5.0	6.3	8.0
Electrical Parameters	Power Supply	Ph/V/Hz	1,220-230,50/60	1,220-230,50/60	1,220-230,50/60	1,220-230,50/60	1,220-230,50/60
	Power Consumption	W	35	35	45	45	80
Performance	Air Flow (H/M/L)	m³/h	820/750/690	820/750/690	950/820/690	950/820/690	1420/1270/1240
	Sound Pressure Level(H/M/L)	dB(A)	38/36/34	38/36/34	42/38/35	42/38/35	46/44/41
	Sound Power Level(H/M/L)	dB(A)	52/50/47	52/50/47	55/51/48	55/51/48	60/58/54
Installation	External Dimensions(W x D x H)	mm	1000 x 230 x 680	1000 x 230 x 680	1000 x 230 x 680	1000 x 230 x 680	1330 x 230 x 680
	Shipping Dimensions(W x D x H)	mm	1100 x 305 x 779	1100 x 305 x 779	1100 x 305 x 779	1100 x 305 x 779	1425 x 305 x 779
	Net/Shipping Weight	kg	27.9/33.6	27.9/33.6	27.9/33.6	27.9/33.6	35.8/42.1
	Refrigerant Liquid Pipe	mm	6.35	6.35	6.35	6.35	9.52
	Refrigerant Gas Pipe	mm	9.52	12.7	12.7	12.7	15.88

Specifications



Model Code	Item	Unit	40VC028F-7S-QEE	40VC030F-7S-QEE	40VC038F-7S-QEE	40VC048F-7S-QEE	40VC054F-7S-QEE
Capacity	Cooling	kBtu/h	27.3	30.7	38.2	48.0	54
		kW	8.0	9.0	11.2	14.0	16
	Heating	kBtu/h	30.7	34.1	42.6	55.0	60
		kW	9.0	10	12.5	16.0	18
Electrical Parameters	Power Supply	Ph/V/Hz	1,220-230,50/60	1,220-230,50/60	1,220-230,50/60	1,220-230,50/60	1,220-230,50/60
	Power Consumption	W	105	105	126	126	126
Performance	Air Flow (H/M/L)	m³/h	1570/1420/1240	1570/1420/1240	2110/1990/1750	2110/1990/1750	2110/1990/1750
	Sound Pressure Level(H/M/L)	dB(A)	47/44/41	47/44/41	50/46/43	50/46/43	50/46/43
	Sound Power Level(H/M/L)	dB(A)	61/58/54	61/58/55	63/60/57	63/60/57	63/60/57
Installation	External Dimensions(W x D x H)	mm	1330 x 230 x 680	1330 x 230 x 680	1650 x 230 x 680	1650 x 230 x 680	1650*230*680
	Shipping Dimensions(W x D x H)	mm	1425 x 305 x 779	1425 x 305 x 779	1750 x 305 x 779	1750 x 305 x 779	1750*305*779
	Net/Shipping Weight	kg	35.8/42.1	35.8/42.1	43.5/50.5	43.5/50.5	43.5/50.5
	Refrigerant Liquid Pipe	mm	9.52	9.52	9.52	9.52	9.52
	Refrigerant Gas Pipe	mm	15.88	15.88	15.88	15.88	15.88

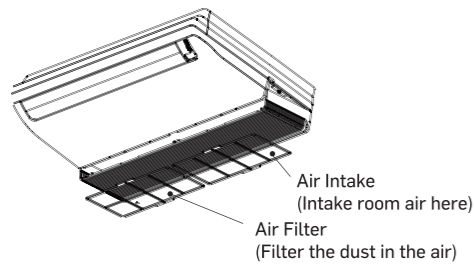


FLEX CEILING FLOOR (DC MOTOR)



Easy Service & Maintenance

- Easy removal of air filters for cleaning
- Easy access to indoor unit components
- Remote on/off function and alarm function



Design Aesthetics

- The visually ultra thin body features wave-shaped vents on both sides that embody multiple levels of design



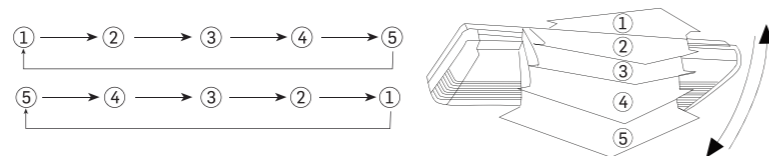
- Visually screw-free, yet easy to maintain

PM 2.5 Filter (Optional)

UNIT MODEL	FILTER MODEL NAME	FILTER SIZE	FILTER PIC
40VC009/012/016/018F-7S-QEE	40VFC018F7-QEE	133*52*10	
40VC024/028/030F-7S-QEE	40VFC054F7-QEE	224*69.3*10	
40VC038/048/054F-7S-QEE	2*40VFC054F7-QEE	2*224*69.3*10	

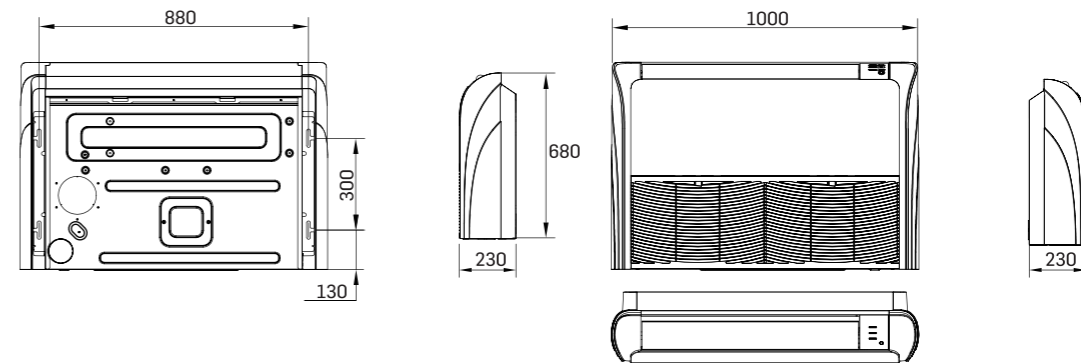
Multiple Air Distribution Directions

On pressing the SWING button, the flap changes between the following positions:

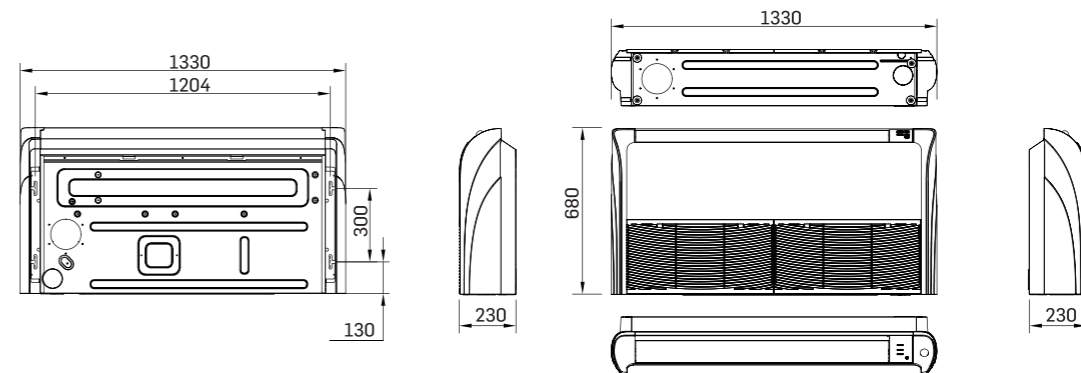


Dimensions

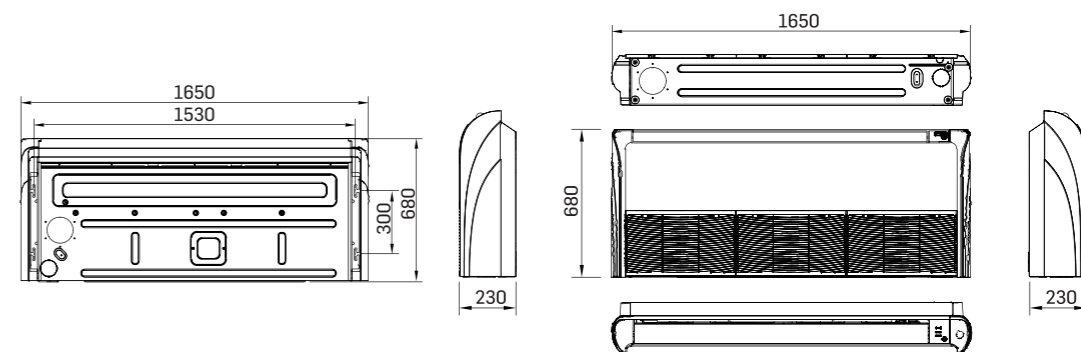
40VC009/012/016/018F-7S-QEE

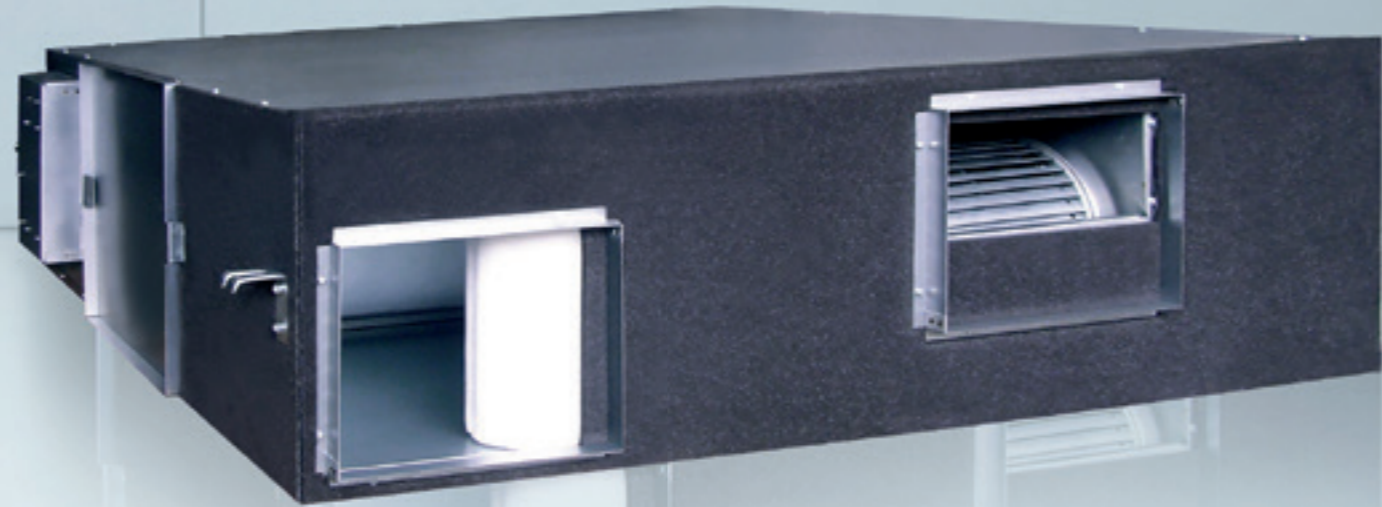


40VC024/028/030F-7S-QEE



40VC038/048/054F-7S-QEE







Specifications

HEATING COOLING

Model Code	Item	Unit	40VD048A-7S-QEE	40VD072A-7S-QEE	40VD096A-7S-QEE
Capacity	Cooling	kW	14	22.6	28.0
	Heating	kW	10	20	24.5
Electrical parameters	Power supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	Power consumption	W	240	275	370
Performance	Airflow (S/H/M/L)	m ³ /h	1900/1600/1460/1200	2800/2300/1800/1500	3200/2800/2400/2000
	Sound Pressure Level(H/M/L)	dB(A)	46/44/42	46/44/42	47/45/42
	Sound Power Level(H/M/L)	dB(A)	60/58/56	59/57/54	60/58/55
Installation	Net Product(W x D x H)	mm	1500*700*248	1333*750*497	1333*750*497
	Shipping Product(W x D x H)	mm	1698*857*305	1558*896*668	1558*896*668
	Net/Shipping Weight	kg	45.4/52.6	88/110	88/110
	Refrigerant Liquid Pipe (Ø)	mm	9.52	12.7	12.7
	Refrigerant Gas Pipe (Ø)	mm	15.88	22.22	22.22
	Static Pressure (Standard/Max)	Pa	100/200	100/350	100/350

OUTSIDE AIR UNIT (DC MOTOR) 40VDA

- 48K/72K/96K 3models(14-28kW)
- High-efficiency DC inverter motor
- Maximum static pressure available up to 350Pa(72/96K)
- Quiet operation
- Compatible with TD HP & SD (2fan 5-12HP)
- Bottom or rear air return (48K)
- Flexible discharge duct connection (072/096K)
- An optional drain pump can be connected
- Built-in flow switch to detect poor drainage (072/096K)



Matching Rules

Outside air unit model	Connection	Min qty of OAU	Outdoor unit selection
40VD048A-7S-QEE	Outside air unit only	2	80% Total outdoor capacity ≤ total indoor capacity ≤ 100% total outdoor capacity
	Together with standard VRF indoor units	1	1. 80% Total outdoor capacity ≤ total indoor capacity ≤ 100% total outdoor capacity 2. OAU capacity ≤ 30% total outdoor capacity
40VD072A-7S-QEE	Outside air unit only	1 or 2	80% Total outdoor capacity ≤ total indoor capacity ≤ 100% total outdoor capacity
	Together with standard VRF indoor units	1	1. 80% Total outdoor capacity ≤ total indoor capacity ≤ 100% total outdoor capacity 2. OAU capacity ≤ 30% total outdoor capacity
40VD096A-7S-QEE	Outside air unit only	1 or 2	80% Total outdoor capacity ≤ total indoor capacity ≤ 100% total outdoor capacity
	Together with standard VRF indoor units	1	1. 80% Total outdoor capacity ≤ total indoor capacity ≤ 100% total outdoor capacity 2. OAU capacity ≤ 30% total outdoor capacity

Note : In mixed installation, only Outside Air Unit can be connected for each mixed system.



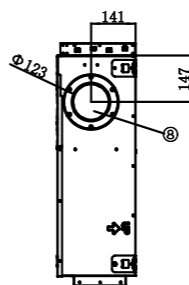
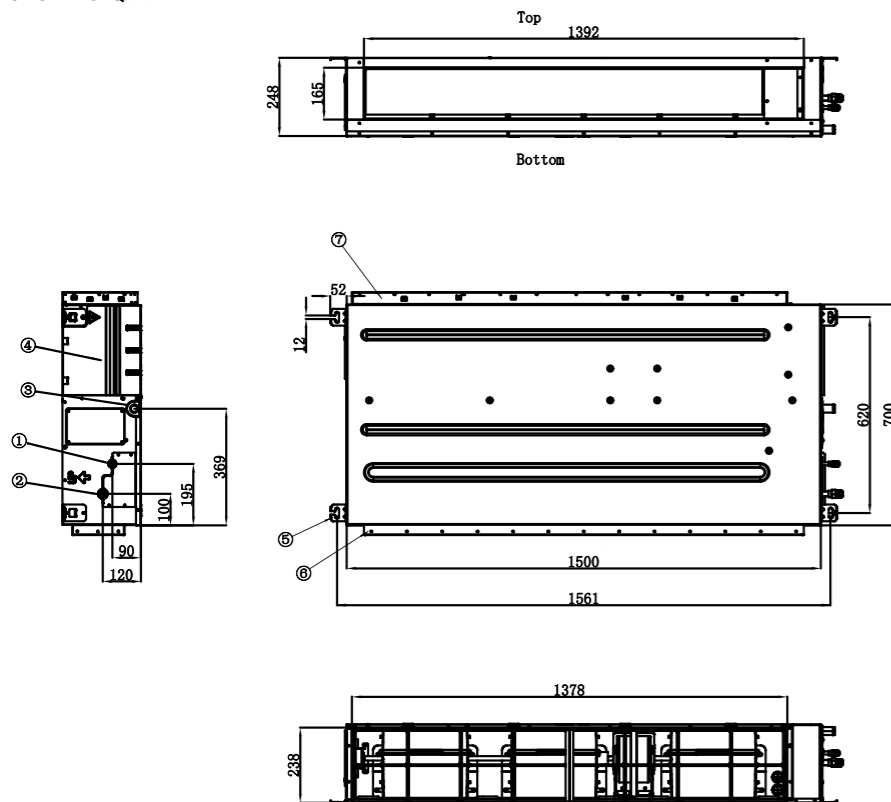
OUTSIDE AIR UNIT (DC MOTOR)



Indoor

Dimensions

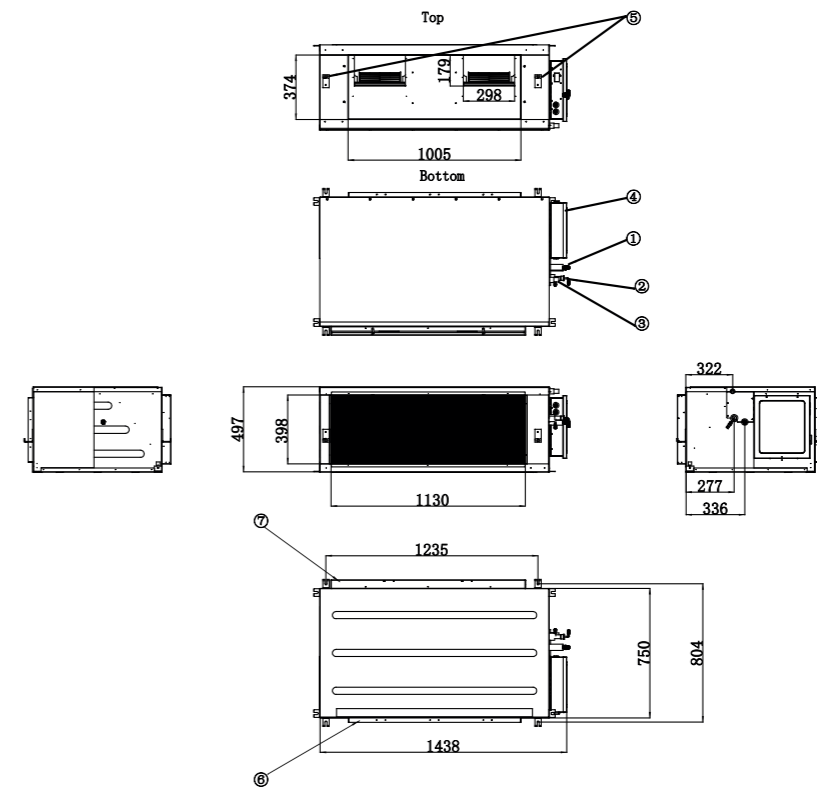
40VD048A-7S-QEE



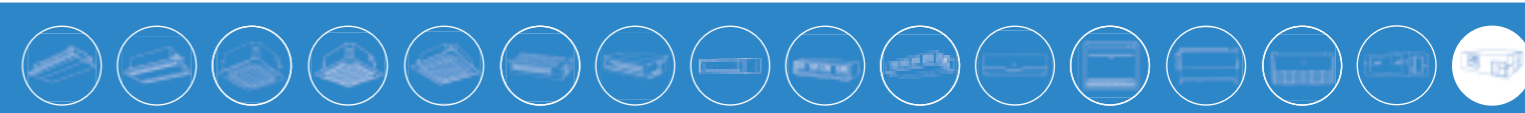
No.	part name
1	liquid pipe
2	gas pipe
3	drain pipe
4	electrical box
5	angle iron for hanging
6	air outlet
7	air inlet
8	fresh air outlet

Dimensions

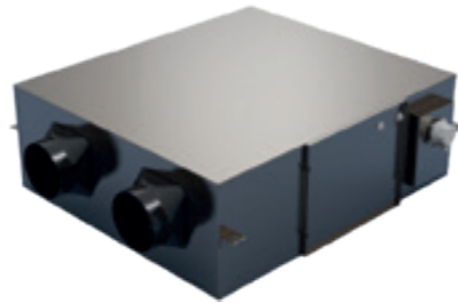
40VD072A-7S-QEE | 40VD096A-7S-QEE



No.	part name
1	liquid pipe
2	gas pipe
3	drain pipe
4	electrical box
5	angle iron for hanging
6	air outlet
7	air inlet



HRV (DC Motor) 40VH*A-7E



- Efficiency up to 78% on temperature exchanger & 75% on enthalpy
- Efficient DC inverter capable of operating quiet and stable
- Efficient heat exchanger made by graphene ultra-fine synthetic fibers
- Standard F7 filters for clean air
- 150-2000m³/hr airflow
- Static pressure 65–90Pa for easy installation
- Interlocking with standard VRF indoor units
- Easy installation & easy access for fixing and maintenance

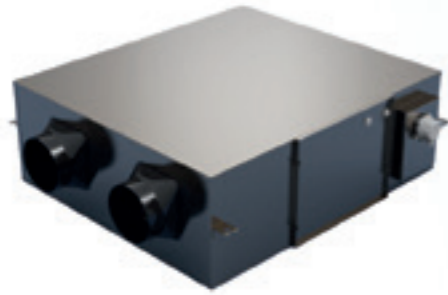
Note: This unit doesn't require a refrigerant connection

Specifications

Model	Item	Unit	40VH015A-7E-QEE	40VH025A-7E-QEE	40VH035A-7E-QEE	40VH050A-7E-QEE	40VH080A-7E-QEE	40VH100A-7E-QEE	40VH200A-7E-QEE
Electrical Parameters	Power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Power Consumption	W	60	105	185	315	385	620	950
Dimension	Net Product (W*D*H)	mm	820*650*235	835*750*235	876*750*235	1100*800*280	1138*1000*385	1295*1150*385	1450*1150*600
	Shipping Product (W*D*H)	mm	1065*750*335	1080*850*335	1080*850*335	1345*900*380	1545*1100*485	1545*1250*485	1695*1250*700
Weight	Net Product Weight	kg	36	41	43	52	81	91	142
	Shipping Product Weight	kg	40	46	49	58	90	100	155
External Static Pressure	Standard static pressure	Pa	65	75	80	90	90	75	70
	Max. static pressure	Pa	65	75	80	90	90	75	70
Fan	Airflow(H/M/L)	m ³ /h	150/120/90	250/200/150	350/280/210	500/400/300	800/640/480	1000/800/600	2000/1600/1200
Cooling Efficiency	Tempreture exchange efficiency(H/M/L)*	%	71.2/72.5/73.6	67.5/68.9/69.3	67.6/68.9/72.1	71.1/73.5/73.9	68.1/72.4/72.9	70.5/72.6/73.8	67.7/71.9/72.5
	Enthalpy exchange efficiency(H/M/L)*	%	56.3/60.4/67.2	55/59.1/66.2	55.4/60.5/65.4	59/60.5/64	58.9/62.7/68.3	63.1/65.4/68.8	62.4/65.8/64.8
Heating Efficiency	Tempreture exchange efficiency (H/M/L)**	%	73.6/75.1/77.3	73/74.4/76.2	73/73.1/75.9	73/75.3/76.9	73.6/74.8/75.1	74/75.6/76.8	73/73.8/75.6
	Enthalpy exchange efficiency (H/M/L)**	%	67.6/69.9/74.5	64.4/68.3/70.1	66.8/70.3/73.9	67.4/68/70.1	67.4/72.1/73.2	71.36/72.2/75.4	66.7/70.2/73.2
Sound Level	Sound pressure level(H/M/L)	dB(A)	33/29/26	35/31/27	38/35.8/31	43/39.6/34	46/42.9/37	48/44.7/39	55/49.2/44
	Sound power level (H/M/L)	dB(A)	36/35/32	41/37/33	44/42/37	49/46/40	52/36/43	54/51/45	61/56/50
Air Filter	Filter class		G4/F7	G4/F7	G4/F7	G4/F7	G4/F7	G4/F7	G4/F7

*Cooling condition: Indoor temperature : 27DB (°C)/19.5WB (°C), outdoor temperature : 35DB (°C)/28WB (°C)
**Heating condition: Indoor temperature : 21DB (°C)/13WB (°C), outdoor temperature : 2DB (°C)/1WB (°C)

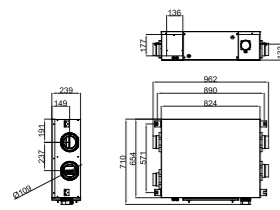
Note: The noise level will be measured in the third octave band limited values, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.



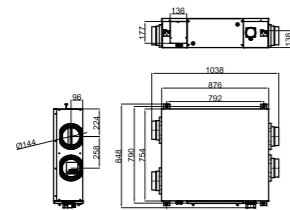
HRV (DC MOTOR)



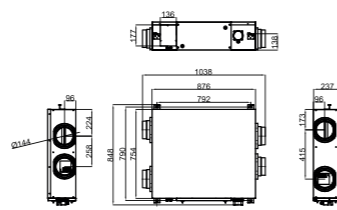
Dimensions



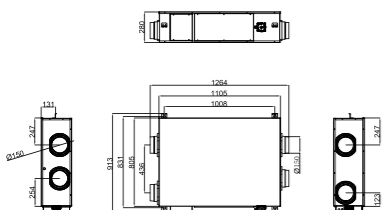
40VH015A-7E-QEE



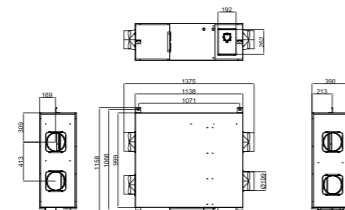
40VH025A-7E-QEE



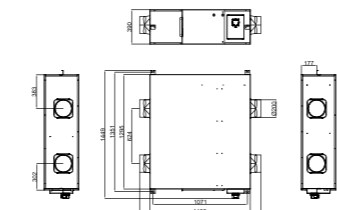
40VH035A-7E-QEE



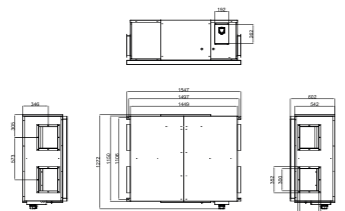
40VH050A-7E-QEE



40VH080A-7E-QEE

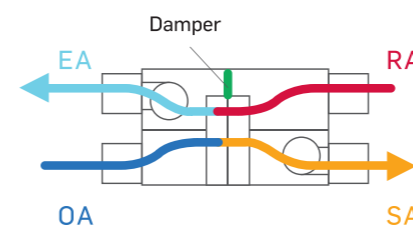


40VH100A-7E-QEE



40VH200A-7E-QEE

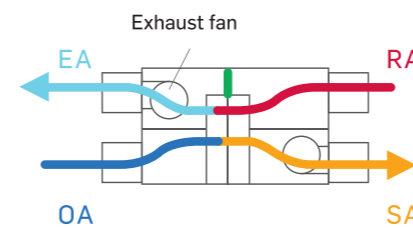
Model	A	B	C	D	E	F	H	d
40VH015A-7E-QEE	650	571	710	890	820	962	235	110
40VH025A-7E-QEE	750	790	848	792	835	1038	235	150
40VH035A-7E-QEE	750	790	848	792	876	1038	235	150
40VH050A-7E-QEE	800	831	913	1008	1100	1264	280	150
40VH080A-7E-QEE	1000	1066	1158	1071	1138	1375	385	200
40VH100A-7E-QEE	1300	1351	1449	1071	1150	1375	385	200
40VH200A-7E-QEE	1150	1106	1272	1497	1449	1547	600	260*300



Air to Air Heat Exchanger Process Patterns

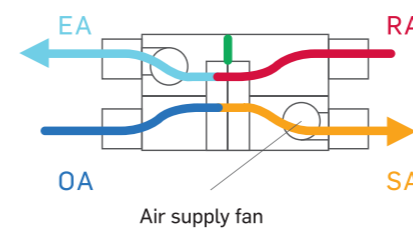
Heating Mode

Outdoor cold air and hot return air cross through the heat recovery element. The unit blows the warmer air from inside the ducts to the room.



Cooling Mode

Outdoor hot air and cold return air cross through the heat recovery element. The unit blows the cooler air from inside the ducts to the room.



Free Cooling Mode

Outdoor air passes without heat recovery treatment.



AHU DX KITS CONNECTION

159 DDC CONTROL TYPE

161 UNIT STRUCTURE



OFFICES



RETAIL



ADMINISTRATIONS

VRF AHU SOLUTION

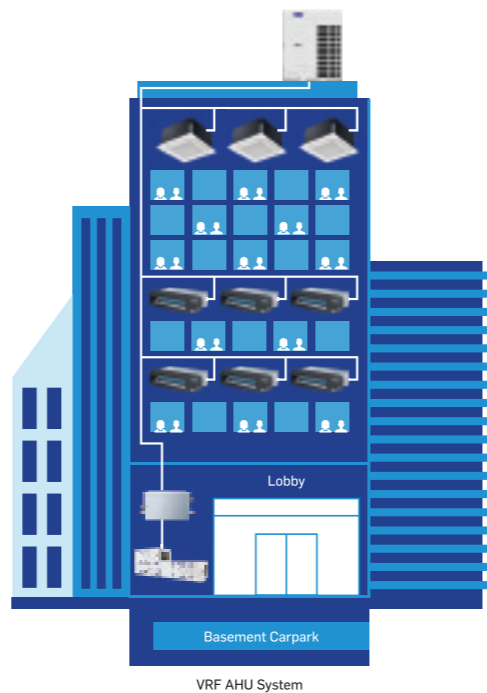
Carrier offers a vast range of kits to connect XCT7 systems to 3rd party DX Air Handling Units. This enables VRF to explore more possibilities for applications in various architectures.

VRF SYSTEM BENEFITS

- High Efficiency
 - Seasonal efficiency (high SEER and SCOP)
 - Effective heating/cooling mode switch
- Easy Installation
 - Easy to install with reduced pipe size: minimal space required
- Incredible Flexibility
 - Ideal for renovation projects

VRF SYSTEM WITH AHU DX KIT BENEFITS

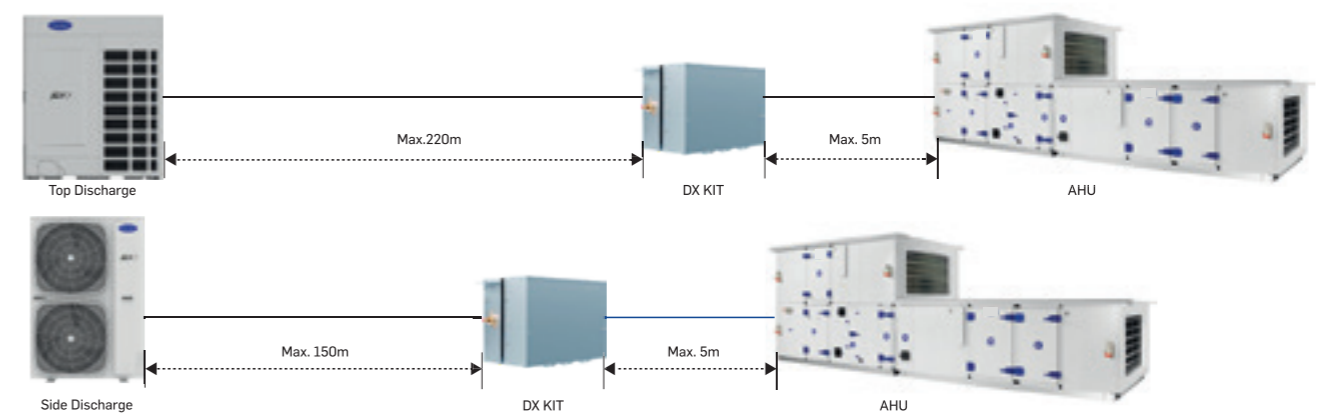
- Wide range from 3HP to 26HP
- Easy maintenance and servicing
- Covers large & high ceiling applications
- Flexible control
- Touch-screen controller for centralized control
- Can be combined with other types of VRF indoor units



Operating Conditions

Cooling mode mixed air temperature (before coil),Min/Max.	Cooling : 14/43°C DB
Heating mode mixed air temperature (before coil),Min/Max.	Heating : 5/28°C DB

PIPING RULES



Note

1. Non-mixing connection: AHU connection rate 90- 110%
2. When mixing with VRF IDUs, total indoor unit(including AHU) connection rate should be 50 ~110%, whose IDU share is not less than 50% & AHU ≤ 30% ODU capacity
3. Height difference between outdoor unit and AHU DX kit: Top Discharge up to 110m, Side Discharge up to 50m

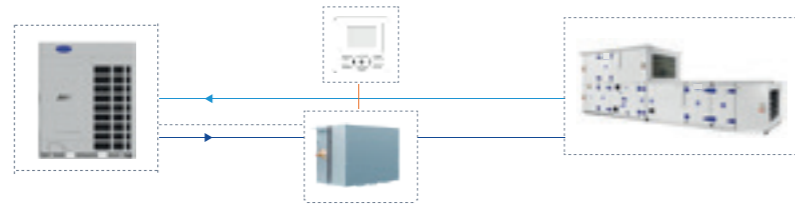
For more information, or for different configurations, please contact the sales representative



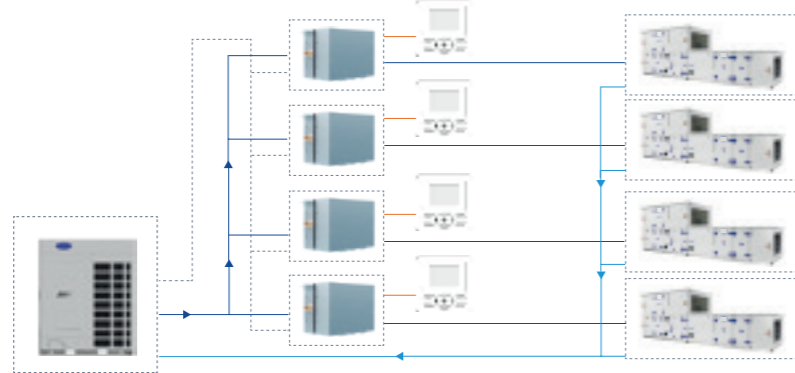
Air Handling Unit DX Coil kit (DDC TYPE)

DDC Type DX Kits Connection

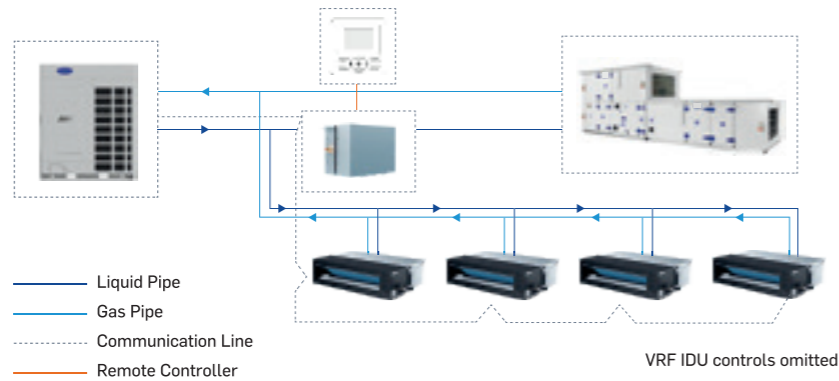
1 TO 1 CONNECTION



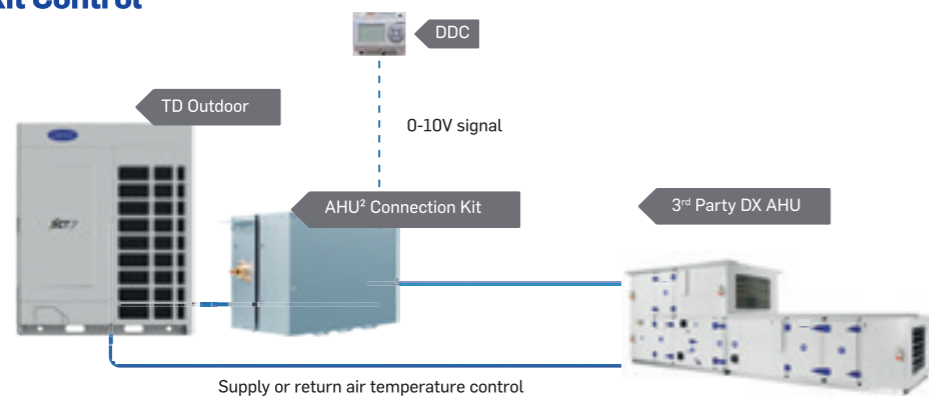
1 TO MULTIPLE AHU



COMBINE WITH VRF INDOOR UNITS



DDC Type DX Kit Control Connection



Specification (DDC Type)

Model	Unit	40VA003D7FAQEE	40VA005D7FAQEE	40VA010D7FAQEE	40VA020D7FAQEE	40VA026D7FAQEE
Connected AHU Capacity		3.5 ≤ x ≤ 7 kW (1-3HP)	7 < x ≤ 14 kW (3-5HP)	14 ≤ x ≤ 28 kW (5-10HP)	28 < x ≤ 56 kW (10-20HP)	56 < x ≤ 73 kW (20-26HP)
Power Supply (Ph/V/Hz)		1/220-230/50/60				
Dimensions (L x H x W)	mm	420 x 260 x 165				
Weight	kg	5.5			6.5	
Liquid Pipe	mm inch	9.52 (main) / 6.35 0.375 (main) / 0.25			12.7 (main) / 15.88 0.5 (main) / 0.625	
Airflow Min./Max.	m³/h	520 / 1950	720 / 3750	1200 / 8250	2600 / 16500	4800 / 2100
Internal Volume Min./Max.	L	1.01 / 2.16	1.51 / 4.32	2.28 / 8.80	4.53 / 16.13	8.18 / 20.16
Kit Composition		40VA003/005 010/020/026D7FAQEE	EXV part	Control Part	Sensor and wire	Controller



40VA003/005/010D7FAQEE



40VA020/026D7FAQEE

ODU COMPATIBILITY (DDC Type)



Compatibility

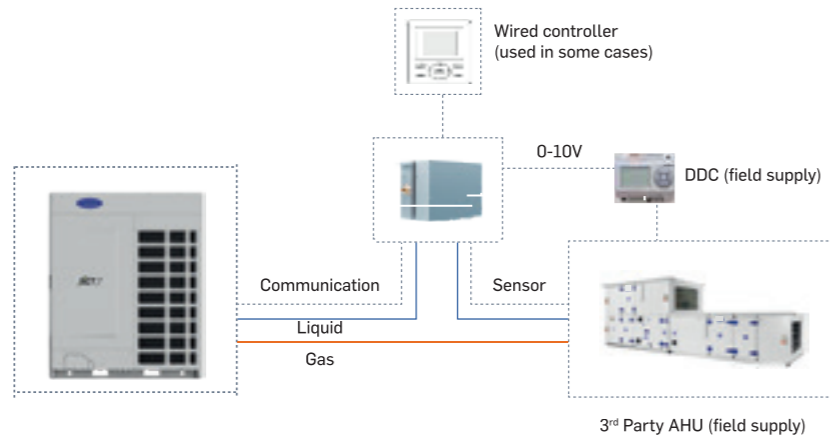
- Top Discharge Heat Pump XCT7 (up to 104HP)
- Side Discharge Heat Pump XCT7 (2 Fans: 4 to 12HP)

ODU Compatible	ODU Compatible	AHU Coil Capacity (kW)
1-3HP	40VA003D7FAQEE	3 ≤ x ≤ 7kW
3-5HP	40VA005D7FAQEE	7 < x ≤ 14kW
5-10HP	40VA010D7FAQEE	14 < x ≤ 28kW
10-20HP	40VA020D7FAQEE	28 < x ≤ 56kW
20-26HP	40VA026D7FAQEE	56 < x ≤ 73kW
28-40HP	2x40VA020D7FAQEE	73 < x ≤ 112kW
42-52HP	2x40VA026D7FAQEE	112 < x ≤ 146kW
52-60HP	3x40VA020D7FAQEE	146 < x ≤ 168kW
62-78HP	3x40VA026D7FAQEE	168 < x ≤ 219kW
80HP	4x40VA020D7FAQEE	219 < x ≤ 224kW
82-104HP	4x40VA026D7FAQEE	224 < x ≤ 292kW

Combination Rules (DDC TYPE)

- Non-mixing connection: AHU connection rate 90 ~ 110%
- When mixing total indoor unit connection rate is 50 ~ 110%, of which IDU share is not less than 50% & AHU < 30% total ODU capacity

VRF AHU DX KITS CONTROL SOLUTION (DDC TYPE)



Control method A

0-10V signal output from 3rd party DDC controller AHU kit receives 0-10V signal to adjust the ODU capacity

Control method B

Control temperature via 3rd party DDC 0-10V signal output from 3rd party DDC AHU kit receives 0-10V signal to adjust set-point temperature

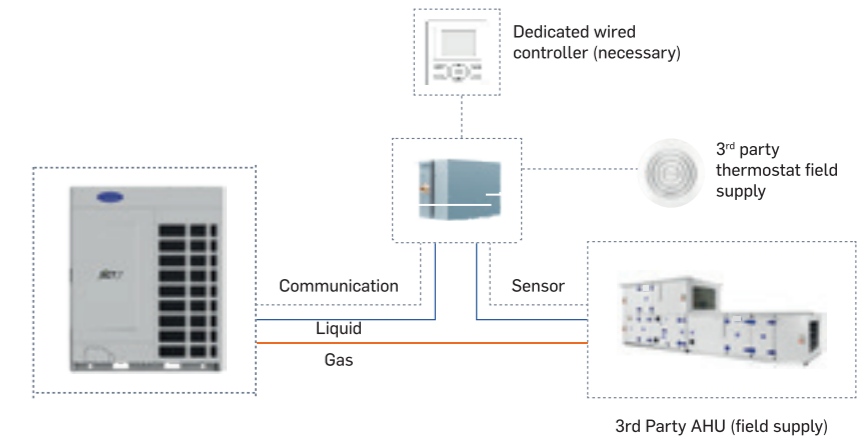
Simple DDC Volt. Range (Vdc)	Capacity Output	Target Pressure-Cooling (Mpa)	Target Pressure-Heating (Mpa)
0	1.0	0% OFF	
1.1	1.5	10%	0.9
1.6	2.5	20%	0.87
2.6	3.5	30%	0.84
3.6	4.5	40%	0.81
4.6	5.5	50%	0.78
5.6	6.5	60%	0.76
6.6	7.5	70%	0.73
7.6	8.5	80%	0.7
8.6	9.6	90%	0.67
9.6	10	100%	0.64

Simple DDC Voltage Range(V) (Vdc)	Set Temperature (°C) -Cooling	Set Temperature (°C) -Heating
0	1	16
1.1	1.7	17
1.8	2.3	18
2.4	2.9	19
3	3.5	20
3.6	4.1	21
4.2	4.7	22
4.8	5.3	23
5.4	5.9	24
6	6.5	25
6.6	7.1	26
7.2	7.7	27
7.8	8.3	28
8.4	8.9	29
9	10	30

VRF AHU DX KITS CONTROL SOLUTION (DDC TYPE)

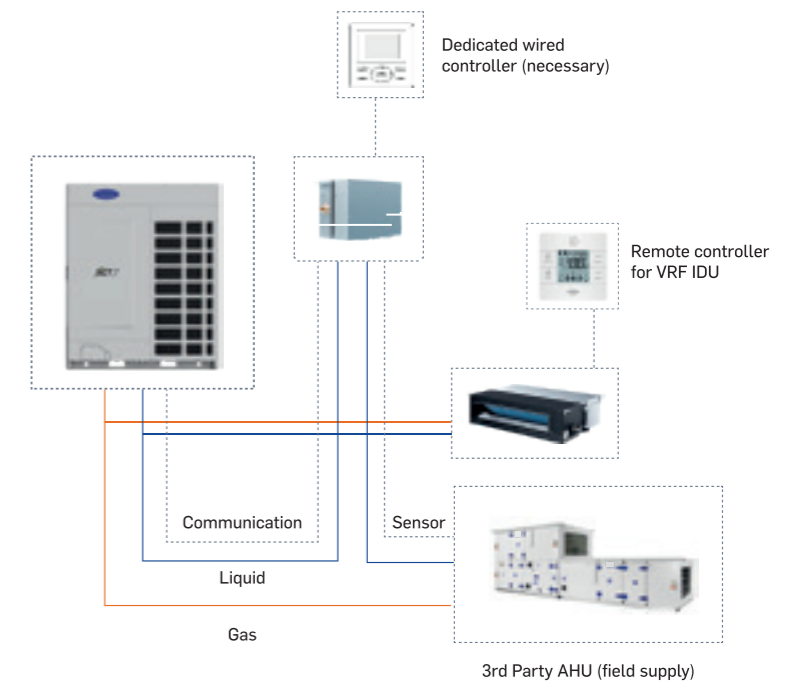
Control method C (special application)

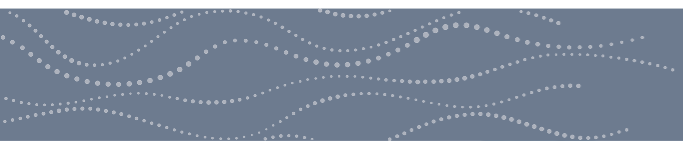
- Without DDC controller
- Dedicated wired controller is necessary for initial set-up but not required for operation
- Third party thermostat provides ON/Off signal to AHU kit when set point temperature is reached.
- Applicable for some cases with constant cooling or heating demands and not sensitive to comfort demands.



Control method D

- TA control type
- Control of AHU same as VRF IDU
- Return/Room temperature control only
- Dedicated AHU wired controller is used to operate the AHU DX kit
- Control method for combination VRF indoor units and 3rd party AHU system





AHU Kit

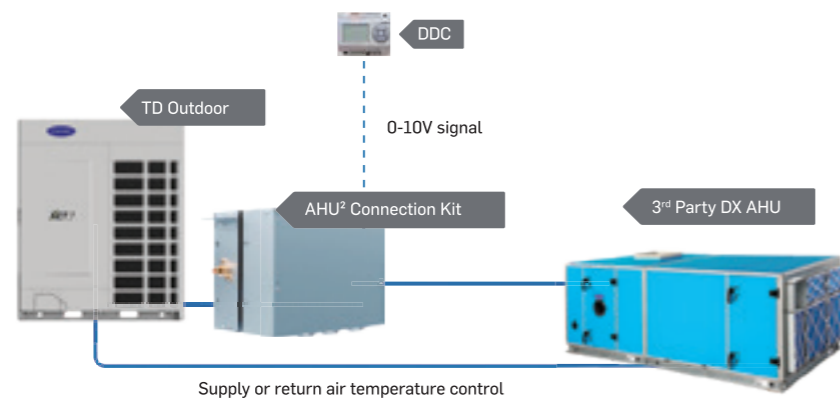


AHU DX Kit (DDC Control)

Easy Installation

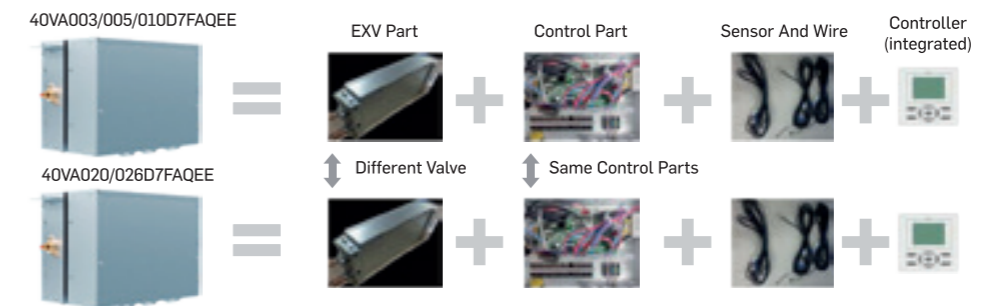
Carrier offers a range of connection kits to connect XCT7 outdoor units to 3rd party DX AHU, with DDC or TA control configuration

- 2 connections are possible:
 - Mixed with VRF indoor units, AHU capacity should less than 30% of total capacity
 - AHU alone
- Combination Ratio between AHU & VRF ODU:
 - 90-110% for AHU alone
 - 50-110% with VRF IDU connection
- Compatible to XCT7 top discharge up to 104HP(4 kits) & XCT7 side discharge (4 to 12 HP)
- Compatible with all XCT7 VRF control solutions



AHU Kit Configuration

Carrier 2nd generation AHU kit also contains the following 4 parts:



Control Solutions

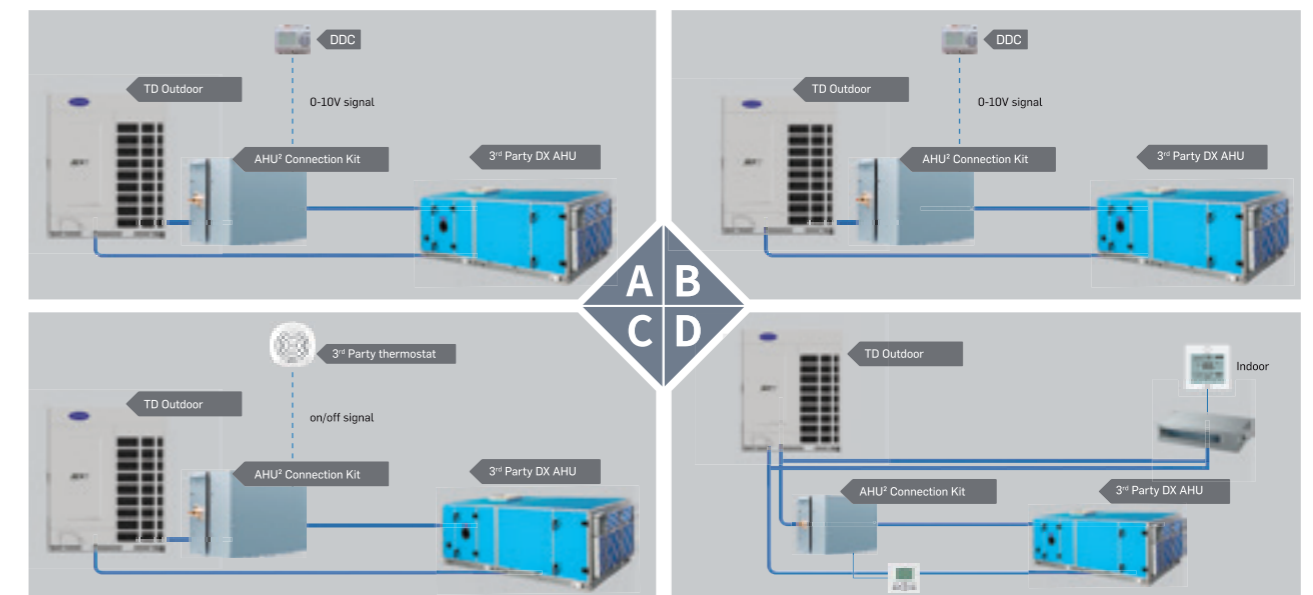
Four control methods can be used, which can be switched by dip switch based on the site scenario

Control solution for application with the 3rd party AHU with DDC controller

- Supply air temperature or return air temperature controllable
- Control AHU by temperature sensors and 0-10 V signal of DDC controller which is supplied locally
- Similar to B control solution, the difference is unproportional 0-10V algorithm for outdoor units capacity control

Control solution: For application with the 3rd party AHU with DDC controller

- Supply air temperature or return air temperature controllable
- Control AHU by temperature sensors and 0-10V signal of DDC controller which are supplied locally
- Similar to A control solution, more accurate temperature control than A



Control solution for application with 3rd party thermostat instead of DDC

- No additional DDC controller required
- Simple and cheap
- Indirect room temperature control

Control solution for system integrating 3rd part AHU with other VRF

- Control the AHU as a VRF indoor units



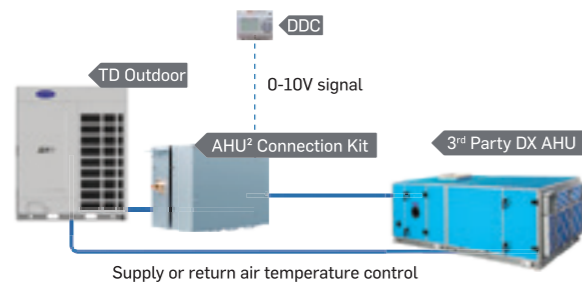
UNIT STRUCTURE

Features

- Extend the AHU connected capacity per kit, ranging from 3.5 kW to 73 kW, which can meet small, medium and large buildings demands
- Add the 0-10V signal control, for DDC configuration
- Supply air temperature or return air temperature controllable
- Remove the gas pipe, more convenient for installation
- Save space through compact design
- Compatible with XCT7 Heat pump TD up to 104 HP (4 kits) & XCT7 SD 4-12 HP (2 fan chassis)

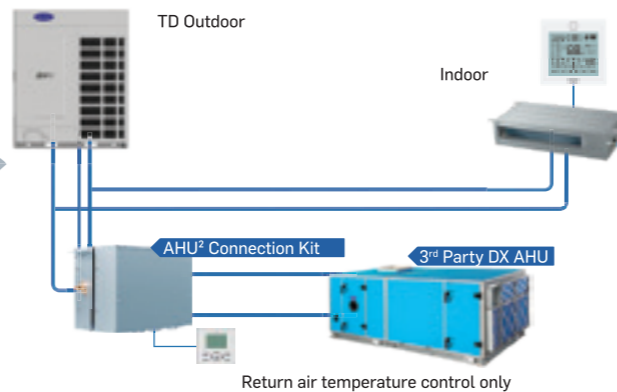
DDC or TA control

40VA_D7FAQEE



TA control only

40VA_T7FAQEE



Specifications (DDC control)



40VA003D7FAQEE
40VA005D7FAQEE
40VA010D7FAQEE



40VA020D7FAQEE
40VA026D7FAQEE

Model	40VA003D7FAQEE	40VA005D7FAQEE	40VA010D7FAQEE	40VA020D7FAQEE	40VA026D7FAQEE
Connected AHU Capacity	3.5 ≤ x ≤ 7 kW (1-3HP)	7 < x ≤ 14 kW (3-5HP)	14 ≤ x ≤ 28 kW (5-10HP)	28 < x ≤ 56 kW (10-20HP)	56 < x ≤ 73 kW (20-26HP)
Power Supply (Ph/V/Hz)	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
Dimensions (mm)(L x H x W)	(420 x 260 x 165)	(420 x 260 x 165)	(420 x 260 x 165)	(420 x 260 x 215)	(420 x 260 x 215)
Shipping Dimensions (mm)(L x H x W)	(520 x 340 x 225)	(520 x 340 x 225)	(520 x 340 x 225)	(520 x 340 x 275)	(520 x 340 x 275)
Material	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel
Color	Grey	Grey	Grey	Grey	Grey
Weight (kg)	5.5	5.5	5.5	6.5	6.5
Shipping Weight (kg)	8.5	8.5	8.5	10	10
Liquid Pipe (mm)	9.52	9.52	9.52 (Main) / 12.7	12.7 (Main) / 15.88	15.88
AHU Kit – Indoor Units Max Single Pipe Length (m)	5	5	5	5	5
AHU Kit – Indoor units Max Drop (m)	5	5	5	5	5



CONTROLLER

- 171 INDIVIDUAL CONTROLLER
- 173 CENTRALIZED CONTROLLER
- 177 BMS

Individual Controller Features

Item	Infrared Controller	Infrared Controller	Wired Controller	Multi-language Wired Controller	Simple Wired Controller	Remarks
Model	40VCIC7FQSS	40VIC67FQEE	40VCW217FQEE	40VCW327FQEE	40VCW117FQEE	
Picture						
Dimensions (W*H*D) mm	200 x 57x 29	200 x 57x 29	86 x 86 x 13.07	120 x 120 x 17.8	86 x 86 x 15.8	
Power Supply	Battery	Battery	12 V AC	12 V AC	12 V AC	
Connectivity	Max. IDUs Controllable	1	1	16	16	
	Max. Groups Controllable	1	1	1	1	
Basic Control Function	On/Off	●	●	●	●	
	Mode Setting (Auto-Heat-Cool-Fan-Dry)	Auto-Cool-Fan-Dry	●	●	●	
	Fan Speed Adjustment	●	●	●	●	
	Temperature Setting	●	●	●	●	
	Airflow Direction — Up & Down	●	●	●	●	
	Airflow Direction — Left & Right	●	●	●	●	Whether the function is available applicable upon indoor units.
	Precise Temp. Control	+/-0.5°C	+/-0.5°C	+/-0.5°C	+/-0.5°C	+/-0.5°C
Display	°F/°C	●	●	●	●	
	Set-point Temp. Display	●	●	●	●	
	Real Time Clock	●	●	●	●	/
	Day	/	/	/	●	/
	IDU Status Display, Including Qty Online, Standby or Running	/	/	/	●	/
Advanced Function	Backlight	●	●	●	●	
	Sleep	●	●	●	/	/
	Child Lock	●	●	●	●	●
	Quiet	●	●	●	●	/
	Turbo	●	●	●	●	/
	Round-Way Cassette Blade Adjustment	●	●	●	●	/
	Human Sensor Function	●	●	●	●	/
	Electric Heater	/	/	●	●	/
	Control Lock (under central controller)	/	/	●	●	●
	Temp. Range Limitation (For Energy Saving)	/	/	●	●	●
	Temp. Compensation	/	/	●	●	●
	Forced Cooling/Heating	/	/	●	●	●
	Screen Saving	/	/	●	●	●
	Screen Brightness Adjustment	/	/	/	●	/
	10°C Heating	/	/	●	●	/
Schedule/Timer	Timer On/Off	●	●	●	/	
	Weekly Schedule	/	/	/	●	/
Installer Info.	Forced Defrost	/	/	●	●	/
	Error Code	/	/	●	●	●
	Filter Clean Indicator	/	/	●	●	●
	ESP Grades Adjustment	/	/	●	●	/
	Installer Setting	/	/	●	●	/
	Service Help	/	/	/	/	/
	Password	/	/	/	●	/
	Parameter Check	/	/	●	●	●
	Unit No. Setting	/	/	●	●	●
	Non-volatile Memory (Power Off Memory)	/	/	●	●	●
	Sensor Error Display	/	/	●	●	●
	R32 Leakage Detect	/	/	/	●	/
	Low Temperature Dehumidification	/	/	/	●	/
	Fan operation of thermo.off IDU	/	/	/	●	/

● With this function / Without this function

Centralized Controller & Local BMS Features

Item	Group Controller	Multi-language Touchscreen Controller	Multi-language Touchscreen Controller	Local Control	Remote Monitoring	
Model	40VCC837FQEE	40VCC637FQEE	40VCC727FQEE	40VCB117FQEE	40VCB217FQEE	
Picture						
Dimensions (W*H*D) mm	133 x 103 x 17	190 x 130 x 20	302.5 x 187.7 x 25		137.25 x 260.5 x 69.2	
Power Supply	12 V DC	12 V DC	12 V DC	/	AC 110-240	
Languages	Multi-language	●	●	/	/	
	Max. Controllable IDUs	64	256	800	400	1500
Connectivity	Max. ODU System (max. Gateway Qty)	32	32	32 x 2	32	20 x 4
	Screen Type	TFT LCD	TFT LCD	TFT LCD	/	/
Screen	Screen Dimension	5	7"	12.5	/	/
	Button Type	Full Touchscreen	Touch Button	Touch Button	/	/
	Backlight	●	●	●	/	/
	Screen Saver	●	●	●	/	/
	Screen Brightness Adjustment	●	●	●	/	/
Display	Indoor Temperature	●	●	●	●	●
	Clock and Day	●	●	●	●	●
	°C/°F Switch	●	●	●	●	/
Standard Control Function	General IDU Status Statistics Display	●	●	●	/	/
	On/Off	●	●	●	●	●
	Mode (Auto-Cool-Dry-Heat-Fan-Auto)	●	●	●	●	●
	Temperature Setting	●	●	●	●	●
	Precise Temp. Control 1°C/0.5°C	±1°C	±1°C	±1°C/±1°F	±1°C/±1°F	±1°C/±1°F
Central Control	Fan Speed (Auto-Low-Mid-High)	●	●	●	●	●
	Group (Zone) Control	●	●	●	●	●
	One Button for all On/Off	●	●	●	●	●
	Group (Zone) Name Setting	●	●	●	●	●
Schedule	Group (Zone) Name Display	●	●	●	●	●
	Daily	●	●	●	●	●
	Weekly	●	●	●	●	●
	Special Day	●	●	●	●	●
Electricity Data Management	Schedule Programs Qty	32	32	100	No Limit	No Limit
	Electricity Bill	/	/	●	●	●
	Historical Electricity Data	/	/	●	/	●
	Historical Electricity Data Curve	/	/	/	/	●
	Electricity Monitoring Function	●	●	●	●	●
Advanced Function	Electricity billing function/Tenant management	/	●	●	/	●
	Child Lock	●	●	/	/	/
	Control Mode (LIF/Central/Lock)	●	●	●	●	●
	ECO (Set temp. Range Limit)	●	●	●	●	/
	Unit/Groups Setting	●	●	●	●	●
	IDU No. Display	●	●	●	●	●
	Unit Running Time Display	●	●	/	●	●
	Unit Running Curve	/	/	/	/	●
	IDU Parameter Display	●	●	●	●	●
	Working Mode (Cool Only/Heat Only/No Limit)	●	●	●	●	●
HRV Control	Floor Layout (Floor Navigation)	●	/	●	●	●
	HRV ON/OFF	●	●	/	/	/
Installer Info.	HRV Fan (Low Air Exchange-High Air Exchange-Low-High)	●	●	/	/	/
	Password	●	●	●	●	●
	Error Code	●	●	●	●	●
	Error Record Check	●	●	●	●	●
	Parameter Inquiry	●	●	●	●	●
User Account Management	Reset	●	●	●	●	●
	Detailed IDU Parameters Display	/	/	●	●	●
	User Info.	/	/	●	●	●
Control Type	User Account Management Level	/	/	●	●	●
	Local Control Panel	●	●	●	●	●
Communication	PC Version	/	/	●	●	●
	Input	RS-485 1CH	RS-485 1CH	RS-485 5CH	RS-485 1CH	RS-485 4CH
	Output	RS-485 1CH	RS-485 1CH	RS-485 1CH	RS-485 1CH	TCP/IP
	Fire Alarm Linkage	●	●	●	/	/
Protocol	Modbus RTU	Modbus RTU	Modbus RTU	Modbus RTU	Modbus IP or BACnet IP	

● With this function / Without this function

Adapters & BMS Gateway Features

Item	Protocol Adapter & Electricity Data	Protocol Adapter	Lonworks™ Gateway	KNX® Gateway	BACnet® Gateway
Model	40VCBM17FQEE	40VCCR17FQEE	40VCBL17FQEE	40VCBK17FQEE 40VCBK27FQEE 40VCBK37FQEE	40VCBB17FQEE
Protocol	Modbus Rtu	Modbus Rtu	Lonworks™	KNX®	BACnet® IP
Picture					
Power Supply	220 V AC	With 12 V DC transformer	24 V DC	29 V DC	AC and DC rated voltage 24 V, working range 12 V to 24 V
Dimensions (W*H*D) mm	200 x 130 x 43	125 x 120 x 40	90 x 70 x 22	70 x 70 x 28	142 x 91 x 35
Communication Port-Input	AC Port (PQ Connection)	1	1		
	RS485		1ch	1ch	2ch
	Pulse Port	1			
Communication Port-Output	RS485	1ch (3 rd party Or 40VCB117FQEE, 40VCB217FQEE)	RS485 2ch (for central controller or 3 rd party 1ch; for 40VCB117FQEE, 40VCB217FQEE)		
	RS485 For Lonworks Protocol Device		1ch		
	Bacnet IP				1
	KNX			KNX port plug-in terminal block(2 poles)	
Operation Temp.	-30-52°C	-20-70°C	-20-70°C	0-60°C	-20-70°C
Stock Temp.	-30-52°C	-40-85°C	-40-85°C	-20-85°C	-40-85°C
Operational Humidity	10%-85%	5-90% (non-condensing)	5-90% (non-condensing)	<90%,RH, non-condensing	5-90% (non-condensing)
Stock Humidity	10%-85%	5-95% (non-condensing)	5-95% (non-condensing)	<90%,RH, non-condensing	5-95% (non-condensing)
Function Description	Converter homebus to Modbus And Electricity collection and distribution function must connect this adapter.	Converter homebus to Modbus For SD ODU	For SD ODU Works with 40VCCR17FQEE to converter Modbus to Lonworks™	For SD ODU Works with 40VCCR17FQEE to converter Modbus to KNX®	For SD ODU Works with 40VCCR17FQEE to converter Modbus to BACnet® IP





Controller



INDIVIDUAL CONTROLLER



40VCI67FQEE(40VIC17FQSS) Wireless Remote Controller

- Basic function: On/off, mode, fan speed, temperature setting, swing
- Turbo, quiet
- Individual louver control for MINI 4-way cassette and Round Flow 4-way cassette
- Clock & timer
- Follow/evade function
- Celsius to Fahrenheit



40VICIR7FQEE Infrared Receiver

- For duct units



40VCW117FQEE Simple Wired Controller

- Alternating current
- Basic function: on/off, mode, fan speed, temperature
- Individual & group controller (max 16 indoor units)
- Simple and smart design, 86*86*15.80mm
- Could receive wireless controller signal



40VCW217FQEE Standard Wired Controller

- Basic function: on/off mode, 5 fan speed, temperature setting, swing
- Individual & group control (max. 16 indoor units)
- Simple and smart design, 86*86*13.05 mm
- Touch button with back light
- Timer/clock
- Easy installation
- Individual louver control for Round Flow 4-way cassette



40VCW327FQEE Multi-language Wired Controller

- Built-in 6 Languages (English, French, German, Spanish, Portuguese, Italian)
- Screen size: 4.3 inch
- HD colorful screen resolution: 800*480
- User-friendly interface
- Touch-key to improve interactions
- Basic function: on/off mode, fan speed, temperature setting, swing
- Individual & group control (max. 16 indoor units)
- Fahrenheit/ Celsius selectable; sensitivity $\pm 0.5^{\circ}\text{C}$
- Weekly timer
- Individual louver control for round-way cassette
- Static pressure setting
- Capable of integrating more languages
- Leakage alarm for R32(Only applicable for future R32 system)
- Room card function selection (Valid or invalid, if valid able to select different setting temperatures)
- Thermo-off fan control
- Low-temperature dehumidification mode (only valid for some IDUs)



Controller



CENTRALIZED CONTROLLER



40VCC837FQEE Group Controller Touchscreen

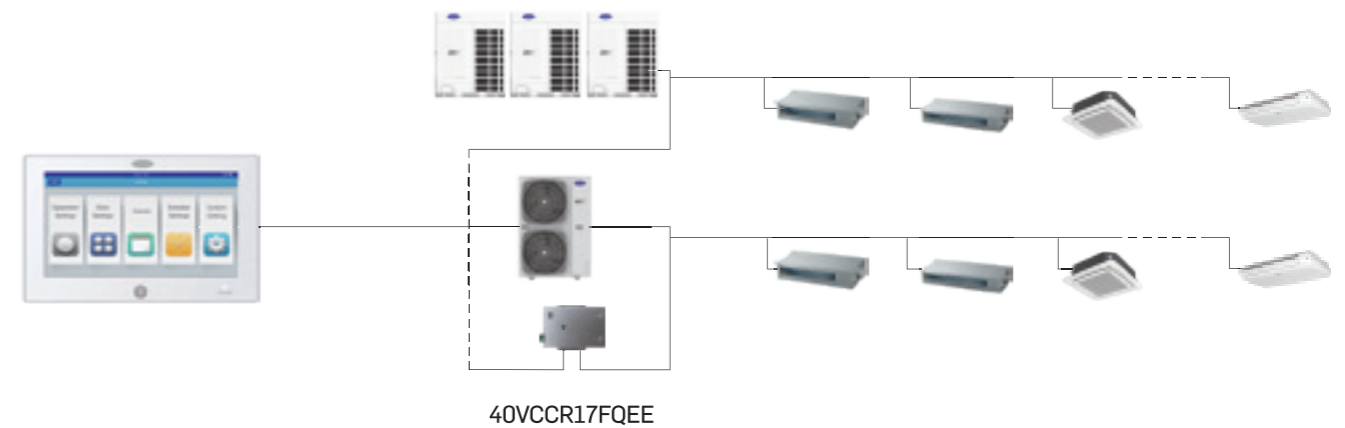
- Individual control, group control & central control
- Max. 32 systems, max. 64 indoor units
- Schedule : daily/weekly/special day
- Flexible group management
- Energy saving : temperature limitation
- HRV control & monitoring
- Fire alarm interlocking
- Modbus RTU protocol for 3rd party BMS
- XCT7 Top Discharge system can connect directly; other Side Discharge systems require 40VCCR17FQEE

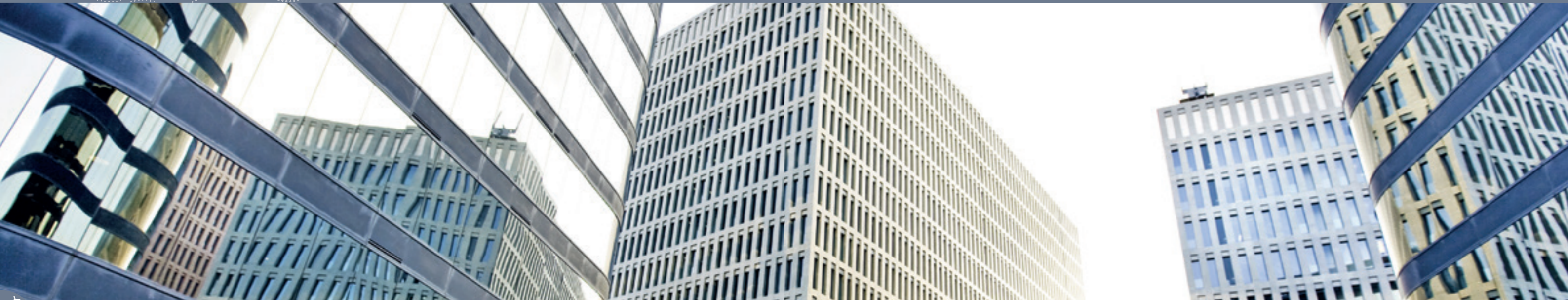


40VCC637FQEE Multi-language Touchscreen Controller

- Built-in 6 Languages (English, French, German, Spanish, Portuguese, Italian)
- Individual control, group control & central control (max. 256 indoor units)
- 7-inch TFT LCD touch screen with back light
- Weekly timer
- Indoor units' information editable
- Error display
- XCT7 Top Discharge system can connect directly; other Side Discharge systems require 40VCCR17FQEE

40VCC637FQEE System





Controller



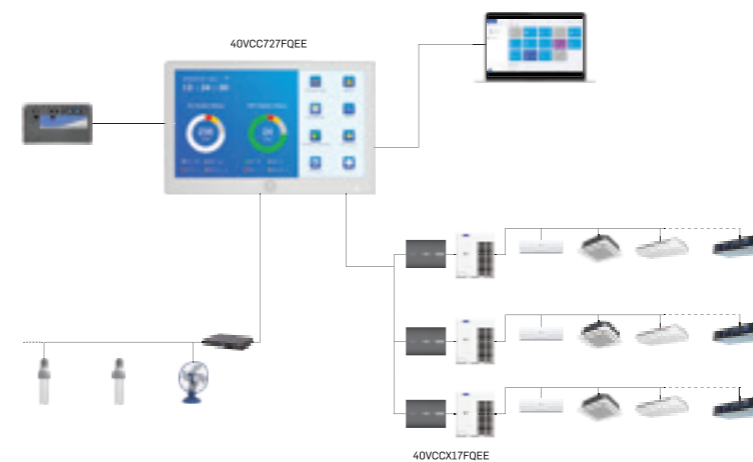
CENTRALIZED CONTROLLER



40VCC727FQEE Multi-language Touchscreen Controller

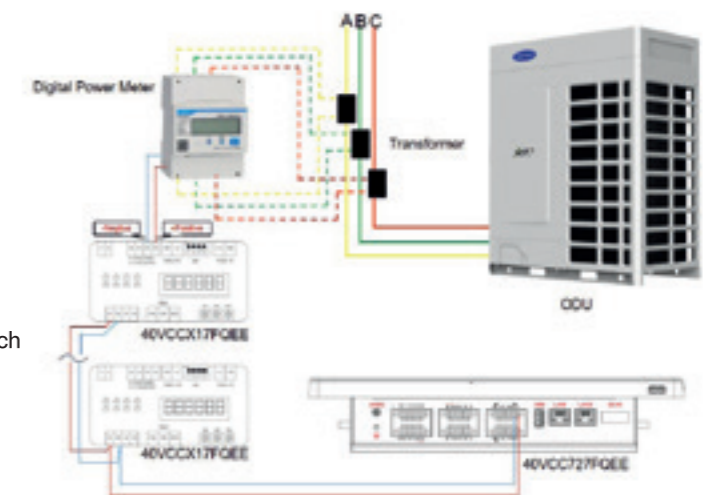
- Built-in 6 Languages (English, French, German, Spanish, Portuguese, Italian)
- Individual control, group control & central control (max 800 indoor units)
- 12.5 inch TFT LCD touchscreen
- Web access & e-mail alarm
- Weekly schedule & special day setting
- Floor plan layout view
- Allow integration of 3rd party devices such as fire alarms, fans and lighting, other than XCT7 indoor units
- Electricity billing function works as per the allocation of electricity consumption for each indoor unit
- Peak-valley time electricity price can be set manually
- Tenant management system could configure tenant information and assign the indoor unit to the tenant
- * Must be used in combination with a 40VCCX17FQEE for each XCT7 system (max. 64 indoor units)

40VCC727FQEE



- Web access & e-mail alarm
- Weekly schedule & special day setting
- Allow integration of 3rd party devices, such as fire alarms, fans, and lighting, other than XCT7 indoor units

- Electricity billing function works as per the allocation of electricity consumption for each indoor unit
- Peak-valley time electricity price can be set manually
- Tenant management system could configure tenant information and assign the indoor unit to the tenant
- Must be used in combination with a 40VCCX17FQEE for each XCT7 system (max. 64 indoor units)



Just for reference, more info please refer to technical manual.



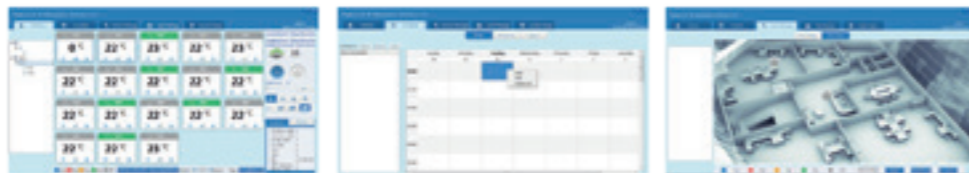
Controller

BMS - LOCAL CONTROL

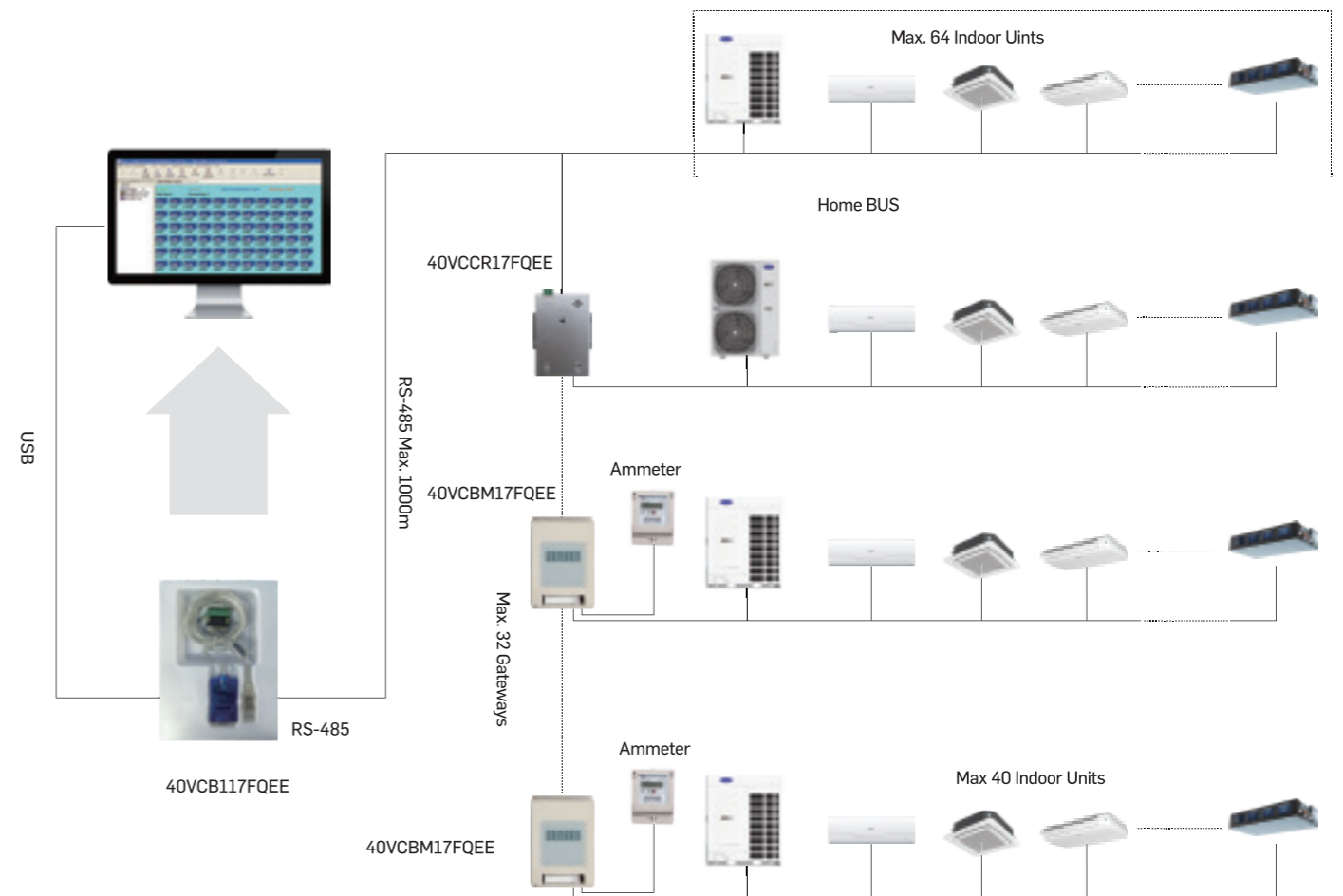


40VCB117FQEE

- Local version or PC version; Convert RS-485 to USB
- Max. 400 indoor units can be controlled
- ModBus RTU interface, also supports 3rd party interface
- Win 7 32bits/64bits, Win 8 Pro, Win 10 Pro
- Max. 32 systems
- Each SD system requires one 40VCCR17FQEE
- Schedule setting
- Power consumption report (must use 40VCBM17FQEE)
- Data monitoring & control function



40VCB117FQEE System





Controller

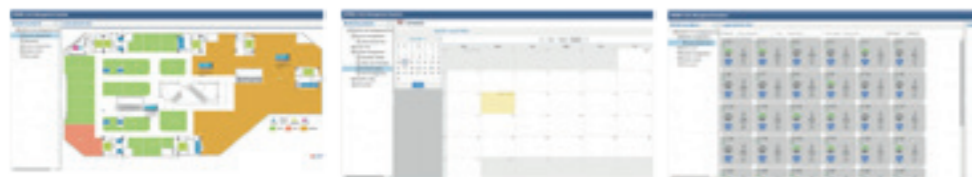
BMS

BMS - REMOTE MONITORING

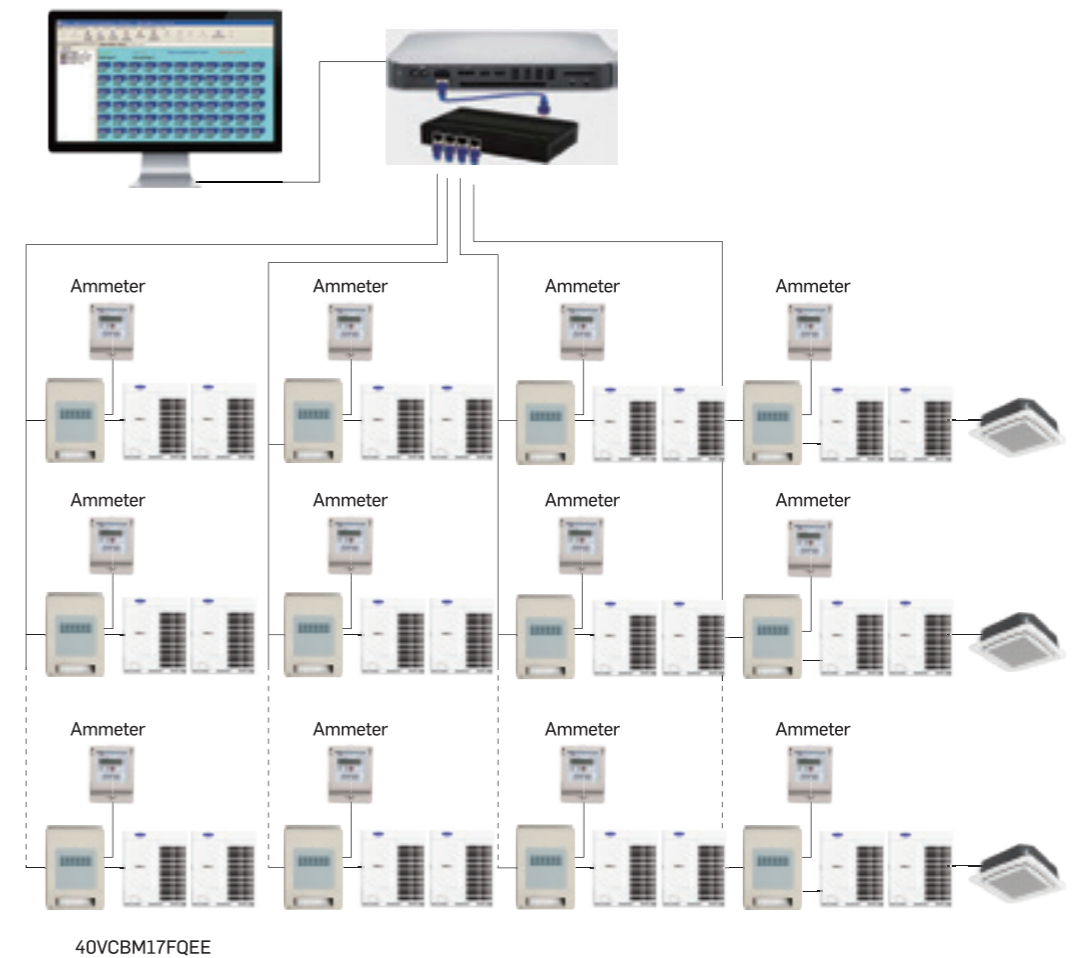


40VCB217FQEE

- Remote monitoring version supports also third party interface: BACnet ip/Modbus ip/Modbus RTU
- Max. 1500 indoor units can be controlled
- Max. 4 groups. each group can connect 20 systems. If TD CDU, additional adapter is not required. If SD ODU, 40VCCR17FQEE is needed.
- Operation status setting & monitoring
- Schedule setting
- Multi-user management with different authorized levels
- Operation and error history log
- Web interface access
- Power consumption data & report only available if using 40VCBM17FQEE + Ammeter



40VCB217FQEE System





Controller



BMS GATEWAYS



40VCBL17FQEE

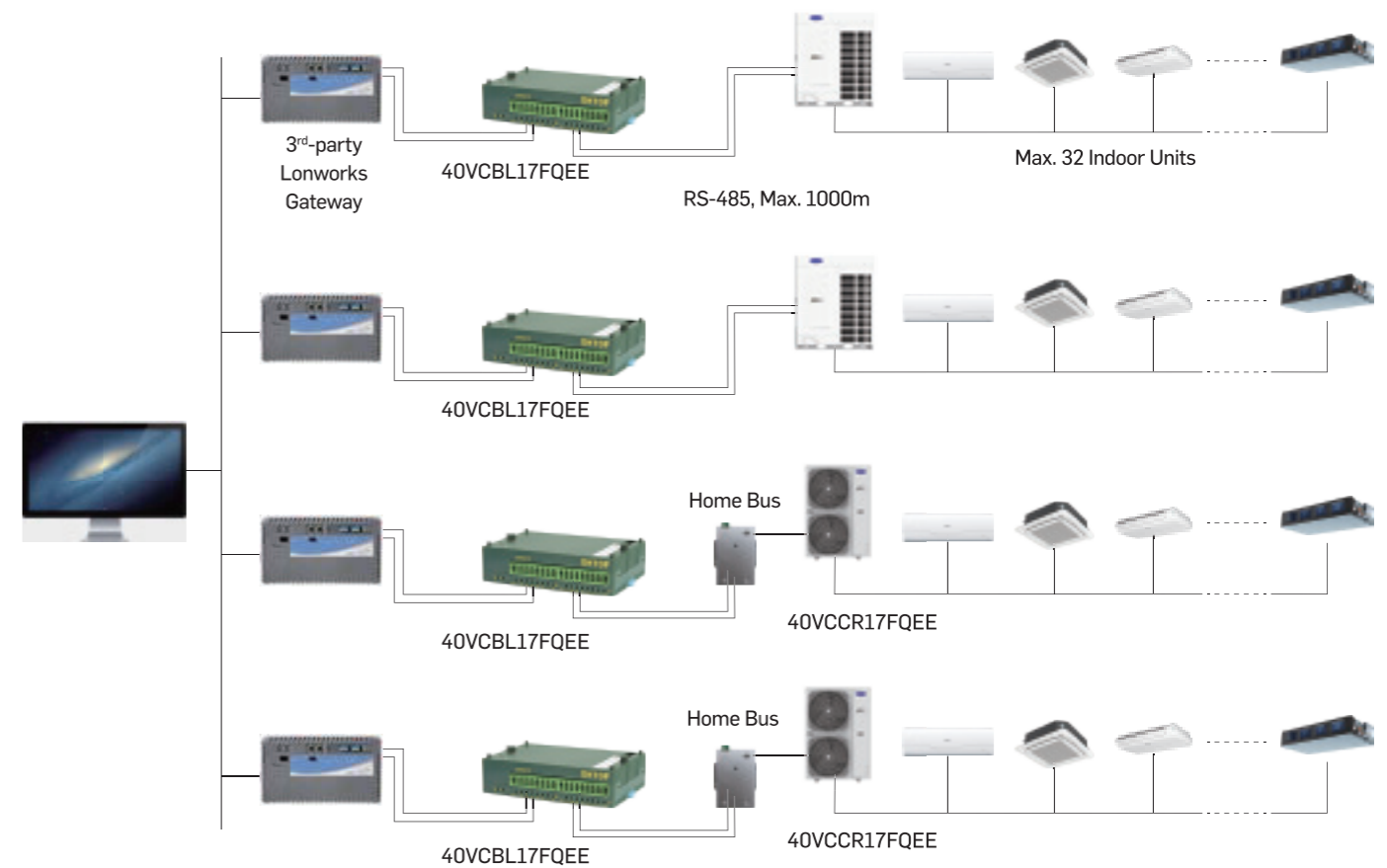
- 40VCBL17FQEE, convert ModBus RTU to BACnet® IP
- Each system requires one adapter 40VCBL17FQEE (combine with 40VCCR17FQEE if outdoor unit is XCT7)
- Max. 32 indoor units can be connected in one system
- External 24 V DC power supply is needed



40VCBB17FQEE

- Protocol adapter, convert Modbus to BACnet® IP
- Max. 128 indoor units/ 4 systems can be controlled
- Operation status setting & monitoring
- Schedule setting
- Multi-user management
- 40VCCR17FQEE is required for SD outdoor units

LonWorks System





Controller



BMS PROTOCOL ADAPTERS



40VCBK17FQEE(8 IDU) 40VCBK27FQEE(16 IDU)
40VCBK37FQEE(64 IDU)

- KNX gateway
- Convert ModBus RTU to KNX
- Each side discharge ODU requires one KNX gateway + 40VCCR17FQEE
- Max.8/16/64 indoor units can be connected in one system



40VCCR17FQEE

- Protocol adapter, convert home bus to RS-485
- Gateway: ModBus RTU
- Max. 64 indoor units can be connected with one 40VCCR17FQEE
- Side discharge XCT7 requires one 40VCCR17FQEE when connecting with centralized controller or BMS system

ModBus model No.	No. of I.U. controllable	Installation Method	Compatible O.U. Type
40VCCR17FQEE	64	Outside the O.U.	Side and Top discharge O.U.



40VCBM17FQEE

- Protocol adapter, convert home bus to ModBus
- Power consumption data collection, and storage (requires 3rd party ammeter)
- Match with local BMS (40VCB117FQEE,40VCB217FQEE), each system requires one adapter
- Max. 40 indoor units can be connected with one 40VCBM17FQEE Gateway

Controllers Match Table for Indoor Units

Outlook	Series	 40VCI67FQEE	 40VIC7FQSS	 40VCW217FQEE	 40VCW327FQEE	 40VCW117FQEE
	ONE-WAY CASSETTE	●	●	●	●	●
	TWO-WAY CASSETTE	●	●	●	●	●
	COMPACT FOUR-WAY CASSETTE	●	●	●	●	●
	FOUR-WAY CASSETTE	●	●	●	●	●
	ROUND-WAY CASSETTE	●	●	●	●	●
	SLIM DUCT	●	●	●	●	●
	STANDARD STATIC DUCT 50/100 PA	●	●	●	●	●
	MEDIUM STATIC DUCT 50/120 PA	●	●	●	●	●
	HIGH STATIC DUCT 100/196 PA	●	●	●	●	●
	HIGH STATIC DUCT 0/250 PA	●	●	●	●	●
	HIGH WALL	●	●	●	●	●
	TWO-WAY CONSOLE	●	●	●	●	●
	CONSOLE-RECESSED	●	●	●	●	●
	FLEX CEILING FLOOR DC	●	●	●	●	●
	OUTSIDE AIR UNIT	●	●	●	●	●

● Controllers match with the indoor unit



Control Systems

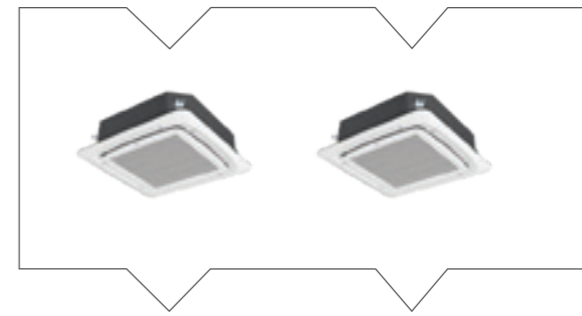
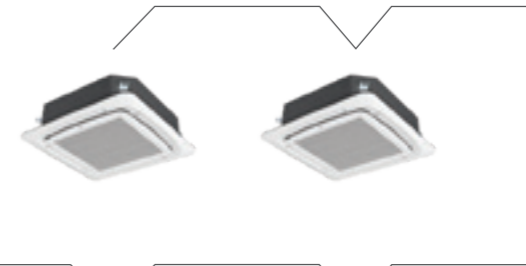
BMS

Centralized Controller

Individual Controller

40VCC637FQEE

Controller



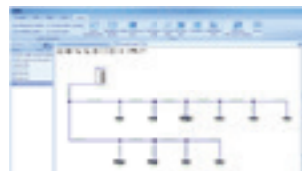
Softwares

Carrier Selection Software-Easy to Design and Customization

With the Carrier XCT7 Selection software, engineers and consultants can easily design, layout and prepare a full VRF system for quotation in a few steps. It selects the right models to meet your building load requirements and calculates the piping schematic automatically or manually, as well as the wiring. It's possible to import dwg or jpg drawings. The selection software guides you within design rules and offers a comprehensive system design report under pdf, Word or excel format.



Launch Page



System Layout Page



System Configuration Page



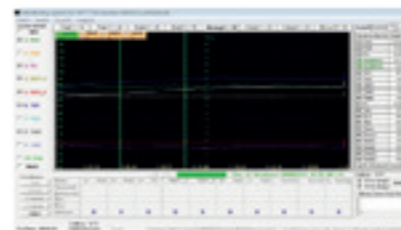
Complete Report Page

Carrier Service Tool- Easy to Monitor Your System

Installers and contractors will appreciate the Carrier service tool to monitor the XCT7 VRF systems operation data. Thanks to the 40VCTOOLQEE interface accessory, you can retrieve the VRF system information from the Outdoor Unit. You can then read the running parameters on your computer and analyze them for troubleshooting in the field or save the data for further analysis.



40VCTOOLQEE
Part No. 1148199682



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Expertise & Consultancy

Your Carrier experts can help you find the right balance between energy efficiency and your investment's optimization with our wide choice of technologies and solutions. Thanks to the expertise of our internal team, we are able to offer the highest level of consultancy.





Software

Accessories



ACCESSORIES

- 195 HEAT PUMP - ODU PIPING CONNECTION ACCESSORIES
- 196 HEAT PUMP - IDU PIPING CONNECTION ACCESSORIES

Shape	Model	Description
Piping accessory for ODU connection		
	40VJ052G7-HQEE	For two outdoor units combination at installation location
	40VJ078G7-HQEE	For three outdoor units combination at installation location
	40VJ078G7-HQEE +40VJ072M7-HQEE	For four outdoor units combination at installation location
Piping accessory for IDU connection		
	40VJ012M7-HQEE	< 33.5 kW
	40VJ018M7-HQEE	33.5 < < 50.6kW
	40VJ026M7-HQEE	50.6 < < 73kW
	40VJ048M7-HQEE	73 < < 135kW
	40VJ072M7-HQEE	135 < < 204kW
 <p style="text-align: center;">Drain Pump</p>	40VAD096P7FQEE	Compatible with outside air unit (40VD_A-7G-QEE) Compatible with medium static duct AC (40VD_R-7G-QEE) Compatible with high static duct AC (40VD_H-7G-QEE)

Piping accessory for ODU connection

Piping accessory for IDU connection

Model Name	Side	Gather Pipe	Connection of Gather Pipe
40VJ052G7-HQEE	Suction gas side		
	Liquid side		
40VJ078G7-HQEE	Suction gas side		
	Liquid side		

Model	Gas Side Branch Pipe	Liquid Side Branch Pipe	Gas Side Connection of Branch Pipe	Liquid Side Connection of Branch Pipe
40VJ012M7-HQEE				
40VJ018M7-HQEE				
40VJ026M7-HQEE				
40VJ048M7-HQEE				
40VJ072M7-HQEE				

PRODUCT OVERVIEW



ICON LIST

- Ultimate Reliability
- Easy installation & access & fix & maintenance
- Advanced technology
- AHU DX coil kit (TA Control)
- Enhanced System Performance
- One button trial operation
- Less Brazing Refrigerant Accessories
- Unit structure
- High-Efficiency
- Powerful heating
- Advanced separator
- Individual controller
- Compact design & ultra-thin design & space saving Incredible Flexibility
- Knockout hole for outside fresh air
- Fan motor
- Centralized controller
- Wide range of capacity
- Large operating range
- Built-in drain pump
- BMS-Local control
- Wide Range of Options
- Bottom or rear air return
- Administrations
- BMS gateways
- Superior comfort
- Independent or flexible control of the air flow
- Offices
- Control systems
- Low sound level
- Static pressure setting
- Hotels
- Can be installed with or without discharge & return plenum
- Effective control of the temperature
- Light air resistance
- Retail
- Hidden installation for a clean and sophisticated appearance
- Independent 220v power
- PM 2.5 filter available
- Healthcare
- Flexible discharge duct connection
- Automatic display of fault codes
- Advanced Black Fin Technology
- Individual and collective housing
- Multiple direction for connection pipe setting
- Unique design
- Reliable multi-layer oil return technology
- Pipe Liner
- Cooling
- Round corner design
- Advanced compressor anti-liquid-shock technology
- Rear & bottom inlet
- Heating

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