



Turn to the experts

XCT.7™

VRF System



Why choose Carrier VRF solutions?

The new XCT7 (XCT stands for "Variable (X) Comfort Technology") is the 7th generation of our VRF system and proudly represents Carrier's world-leading innovation, technology and unyielding commitment to energy savings.

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

Outdoor condenser with advanced black-coated fin technology for enhanced corrosion resistance and self-cleaning function



Enhanced system performance

Increased efficiency thanks to optimised refrigerant distribution balance and a smooth supply of lubricant



High-efficiency

Excellent efficiency values when cooling and heating thanks to the powerful DC fan and DC compressor



Large operating range

Extensive product range with comfort solutions for any indoor space



Easy installation

Easy access to the internal system components and one button trial operation for faster start-up



Incredible flexibility

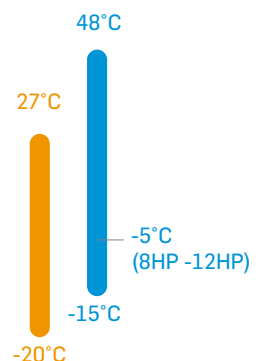
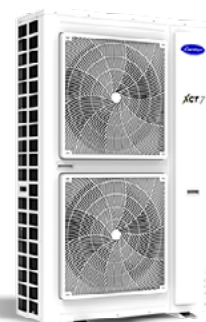
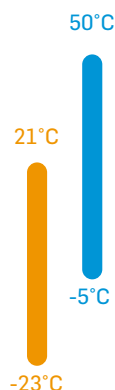
Ideal where space is limited; available ext. static pressure up to 110 Pa and max. height difference of up to 110 m



Wide range of options

Numerous possible combinations and up to 64 indoor units per outdoor system

Large operating range



HEATING



COOLING



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

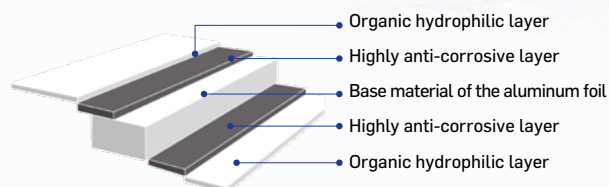
Standard model heat exchanger anticorrosion protection test for the black-coated fin is **1500 hours under 5% salt spray**, compared to the ordinary coated fin tested within just 500 hours.



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.

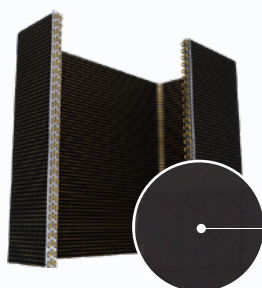
Structure diagram of the hydrophilic aluminum foil



Quality certificate for ▶
Carrier's black-coated fin

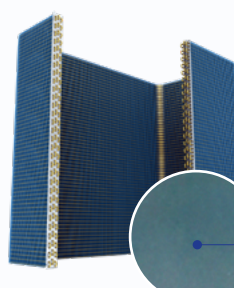


Higher alkali and oil resistance



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



Turn to the experts

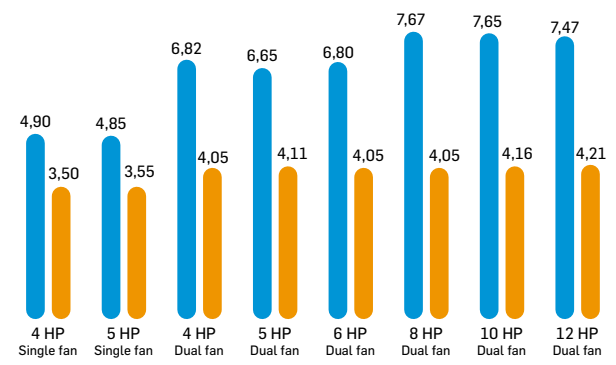
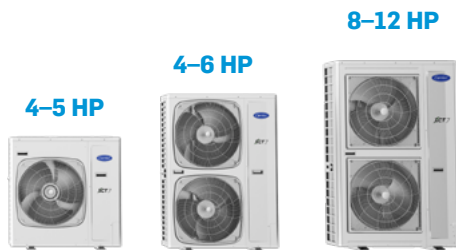
XCT7: the right VRF solution for you

XCT7 units are designed to satisfy your needs.

No matter the building, application, or project specifications, Carrier has a VRF solution for you.

Side Discharge units

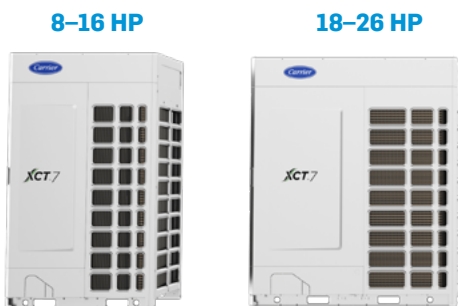
Compact design for flexible application
in small or narrow spaces



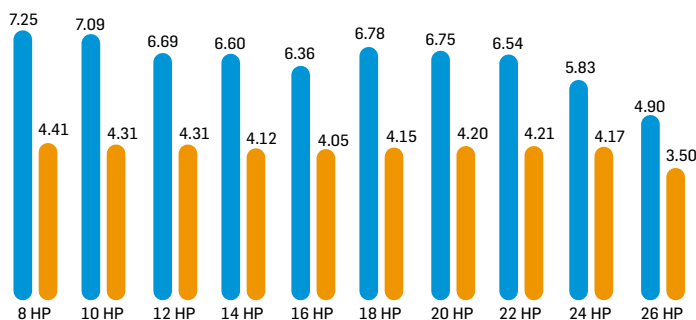
Efficiency of Side Discharge Heat Pump units

● SEER ● SCOP

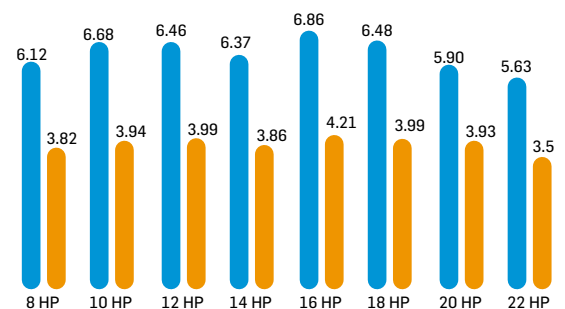
Top Discharge units



Total power up to 104 HP
(Combination with up to four modules)



Efficiency of Top Discharge Heat Pump units



Efficiency of Top Discharge Heat Recovery units

● SEER ● SCOP
















Interact and engage with our VRF products in the virtual Carrier Expert Center. Anytime. Anywhere.










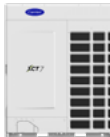










Learn more about XCT7 - our latest VRF system at www.ecec.carrier.com

- With the virtual Carrier Expert Center, VRF products are now just a click away.
- Enjoy Carrier's new online experience with a user-friendly and intuitive interface.
- With this immersive and realistic 3D visual experience, you can discover all VRF product features, exploded, and 360° views.






OUTDOOR UNITS LINEUP

Lineup (HP)	4										5					6									
kW	12,1										14,0					15,5									
Side Discharge Heat Pump 38VS*	1 Ph 										1 Ph 					1&3 Ph 									
	1&3 Ph 										1&3 Ph 														
Lineup (HP)	8	10	12	14	16	18	20	22	24	26	28	30	32	34		36	38	40	42	44	46	48	50	52	
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	
Top Discharge Heat Pump up to 104HP 38VT*73H																									
Lineup (HP)	8	10	12	14	16	18	20	22	24	26	28	30		32	34	36	38	40	42	44					
kW	22,4	28	33,5	40	45	50	56	60	67	73,5	80	85		90	95	100	106	112	116	120					
Top Discharge Heat Recovery up to 88HP 38VT*73R																									
















8								10								12											
22,6								28,0								31,5											
3 Ph								3 Ph								3 Ph											
																											
54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104		
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		
  													   														
46							48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88
130							135	140	145	150	156	162	168	172	176	180	190	195	200	206	212	218	224	228	232	236	240
  							  							   													

INDOOR UNITS LINEUP

Capacity kW/kBTU/h	ONE-WAY CASSETTE  40VU*1-7E	TWO-WAY CASSETTE  40VU*2-7G	COMPACT FOUR-WAY CASSETTE  40VU*C-7S	ROUND-WAY CASSETTE  40VU*R-7E	SLIM DUCT  40VD*L-7E	STANDARD STATIC DUCT 20/200 Pa  40VD*S-7S
Fan Motor Type	DC	AC	DC	DC	DC	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				●		●
22.4/72						
28.0/96						

Capacity kW/kBTU/h	HIGH STATIC DUCT 0/250 Pa  40VD*H-7S	HIGH WALL  40VK*S-7S2	TWO-WAY CONSOLE  40VL*B-7E	CONSOLE - RECESSED  40VL*R-7G	FLEX CEILING FLOOR  40VC*F-7S
Fan Motor Type	DC	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	●				●
22.4/72	●				
28.0/96	●				

CONTROLLER UNITS LINEUP

INDIVIDUAL CONTROLLER	Remote Controller	 Wireless Controller 40VCI67FQEE	 Receiver (Duct unit) 40VCIR7FQEE			
	Wired Controller	 Simple Wired Controller 40VCW117FQEE	 Wired Controller 40VCW217FQEE	 Wired Weekly Timer 40VCW317FQEE		
CENTRALIZED CONTROLLER		 Group Controller up to 32 IDU 40VCC837FQEE	 Touchscreen up to 256 IDU 40VCC617FQEE	 Touchscreen up to 800 IDU 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

SOFTWARE: SERVICE TOOL



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. The 40VCTOOLQEE interface accessory allows you to 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



Your VRF System of Choice

You can find additional information at:

www.carrier.com

Or email us at: **contact@carrier.com**

www.carrier.com

07/2022

B-VRF-022 Brochure VRF range overview

Carrier is committed to continuously improving its products to ensure the highest quality and reliability standards, and to meet local regulations as well as market requirements.

All features and specifications are subject to change without prior notice. All trademarks and service marks referred herein are property of their respective owners.

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