



Turn to the experts

XCT7™

# VRF System





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# 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

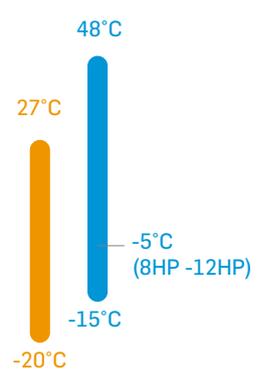
Ideal where space is limited; available ext. static pressure up to 110 Pa and max. height difference of up to 110 m



### Wide range of options

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

## Large operating range



HEATING



COOLING

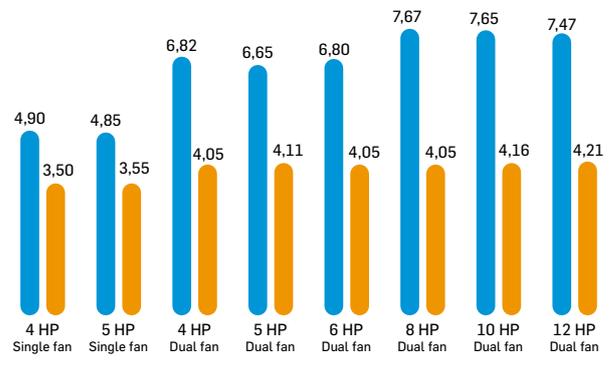


# XCT7: the right VRF solution for you

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

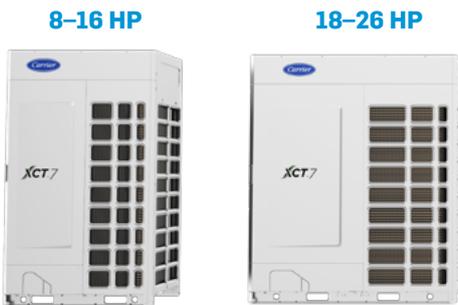
Compact design for flexible application in small or narrow spaces



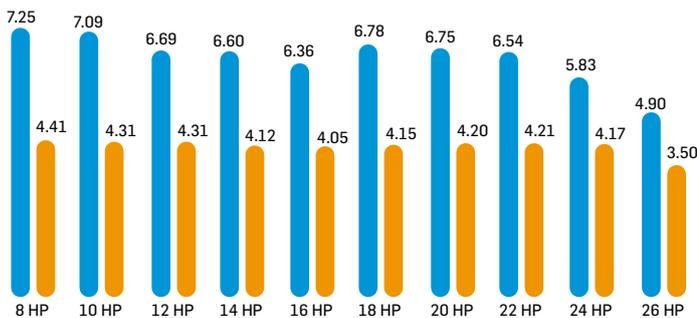
Efficiency of Side Discharge Heat Pump units

● SEER ● SCOP

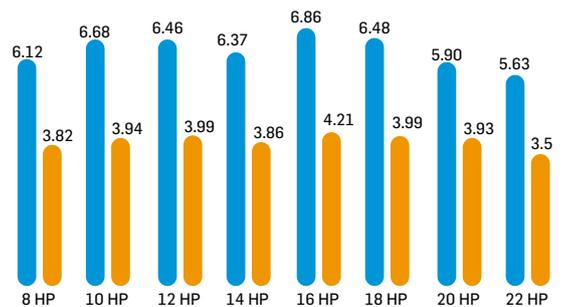
## Top Discharge units



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](http://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

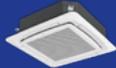
Lineup (HP)	4										5					6											
kW	12,1										14,0					15,5											
<b>Side Discharge Heat Pump</b> 38VS*	1 Ph 										1&3 Ph 					1 Ph 					1&3 Ph 						
																											
Lineup (HP)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52				
kW	25,2	28	33,5	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				
<b>Top Discharge Heat Pump up to 104HP</b> 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								
<b>Top Discharge Heat Recovery up to 88HP</b> 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
																										



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# INDOOR UNITS LINEUP

Capacity kW/kBTU/h	ONE-WAY CASSETTE	TWO-WAY CASSETTE	COMPACT FOUR-WAY CASSETTE	ROUND-WAY CASSETTE	SLIM DUCT	STANDARD STATIC DUCT 20/200 Pa
	 40VU*1-7E	 40VU*2-7G	 40VU*C-7S	 40VU*R-7E	 40VD*L-7E	 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	●				



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# CONTROLLER UNITS LINEUP

<b>INDIVIDUAL CONTROLLER</b>	Remote Controller	 <b>Wireless Controller</b> 40VCI67FQEE	 <b>Receiver (Duct unit)</b> 40VIR7FQEE			
	Wired Controller	 <b>Simple Wired Controller</b> 40VCW117FQEE	 <b>Wired Controller</b> 40VCW217FQEE	 <b>Wired Weekly Timer</b> 40VCW317FQEE		
<b>CENTRALIZED CONTROLLER</b>		 <b>Group Controller up to 32 IDU</b> 40VCC837FQEE	 <b>Touchscreen up to 256 IDU</b> 40VCC617FQEE	 <b>Touchscreen up to 800 IDU</b> 40VCC727FQEE		
<b>ADAPTER</b>		 <b>Protocol Adapter Modbus to RS485</b> 40VCCR17FQEE	 <b>Protocol Adapter &amp; Electricity Data Collection</b> 40VCBM17FQEE	 <b>Protocol Adapter for Touchscreen</b> 40VCCX17FQEE		
<b>BMS</b>		 <b>Remote monitoring BACnet® / Modbus IP</b> 40VCB217FQEE	 <b>Local PC control RS485 to USB</b> 40VCB117FQEE	 <b>Lonworks™ Gateway</b> 40VCBL17FQEE	 <b>KNX® Gateway</b> 40VCBK17FQEE 40VCBK27FQEE 40VCBK37FQEE	 <b>BACnet® Gateway</b> 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](http://www.carrier.com)**

Or email us at: **[contact@carrier.com](mailto:contact@carrier.com)**

**[www.carrier.com](http://www.carrier.com)**

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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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