



**INVERTER**

## INVERTER AIR COOLED



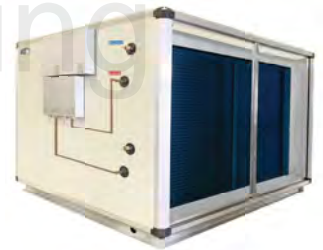
**40RBV-XCT Series**  
AHU SINGLE SKIN  
114,300-574,000 Btuh



**40QDV-XCT Series**  
FLOOR STANDING-DIRECT BLOW TYPE  
76,400-191,000 Btuh



**39GV-XCT Series**  
AHU DOUBLE SKIN  
76,400-581,400 Btuh



**40VAV-XCT Series**  
FLOOR STANDING-DIRECT BLOW TYPE  
76,400-191,000 Btuh



ISO 9001 QMS18026/1686  
ISO 14001 EMS18012/471  
ISO 45001 OHSMS19061/078



[www.carrier.co.th](http://www.carrier.co.th)

[www.ttair.co.th](http://www.ttair.co.th) | Tel : 02-385-0728 | E-mail : [sales@ttair.co.th](mailto:sales@ttair.co.th) | LINE ID : @ttair

# 39GV-XCT Series

## FLEXIBLE MODULAR INDIVIDUALISED CONSTRUCTION

Double skin AHU 39GV series are available as customised adapted exactly to meet specific requirements. Various sections can be arranged in sequence dictated by job requirements, and separated by access sections where necessary, giving complete flexibility of design.

## RIGIDITY AND THERMAL INSULATION

Extruded aluminum with Non-Thermal Bridge posts provide structural rigidity and prevent thermal heat transfer. The panels shall be constructed of two layers of steel sheet with injected CFC-Free Polyurethane insulation which thermal conductivity factor of 0.019 W/mK and density of 40kg/m in between to ensure effective thermal and acoustic insulation.

## Specifications

Model	39GV	0612XCT08	0713XCT10	0813XCT12	0914XCT14	0914XCT16	0914XCT18	0916XCT20		
Total Cooling Capacity	CARRIER-CDU-VRF XCT8	HP	8.0	10.0	12.0	14.0	16.0	18.0	20.0	
		(HP)	8.0	10.0	12.0	14.0	16.0	18.0	20.0	
		Kw	22.4	28.0	33.5	40.0	45.0	50.4	56.0	
	BTU (27.0 °C DB/19.0 °C WB)	Btu/h	76,400	95,500	114,300	136,400	154,000	172,000	191,000	
	BTU (27.0 °C DB/19.5 °C WB)	Btu/h	77,300	96,700	115,700	138,100	156,000	174,000	193,400	
Air Flow rate	Normal	cmh / cfm	3,600 / 2,100	4,200 / 2,500	6,600 / 3,900	7,200 / 4,200	7,200 / 4,200	7,800 / 4,600	8,400 / 4,900	
	Min	cmh / cfm	2,880 / 1,700	3,360 / 2,000	4,760 / 2,800	5,760 / 3,400	5,760 / 3,400	6,240 / 3,700	6,720 / 4,000	
	Max	cmh / cfm	4,320 / 2,500	5,040 / 3,000	7,480 / 4,400	8,640 / 5,100	8,640 / 5,100	9,360 / 5,500	10,080 / 5,900	
Cooling Coil	Material	Copper Tube / Aluminum Fin								
	Face Area	sq.ft.	5.3	7.3	8.7	11.5	11.5	11.5	12.6	
Air Filter Size	12" x 24" x 2"	pcs.	3	-	-	2	2	2	3	
	24" x 24" x 2"	pcs.	-	2	2	2	2	2	2	
Fan	Type	Double Width Double Inlet Centrifugal Fan [FDA or BDB]								
	Size		225	280	315	355	355	355	355	
Motor	Power Supply	V/Ph/Hz	380V / 3Ph / 50Hz							
	Available Size	HP	3.0	5.0	5.0	5.0	5.0	5.0	5.0	
	Type	Totally Enclose Fan Cooled								
Control device	DX Coil Controller	Model	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	
		pcs	1	1	1	1	1	1	1	
	DX Valve Kit	Model	40VA010V8-ATEE	40VA010V8-ATEE	40VA010V8-ATEE	40VA010V8-ATEE	40VA020V8-ATEE	40VA020V8-ATEE	40VA020V8-ATEE	
		pcs	1.0	1.0	1.0	1.0	1	1	1	

Model	39GV	1118XCT28	1319XCT32	1319XCT36	1422XCT40	1722XCT48	1724XCT54	1725XCT60		
Total Cooling Capacity	CARRIER-CDU-VRF XCT8	HP	28.0	32.0	36.0	40.0	48.0	54.0	60.0	
		(HP)	(14.0 + 14.0)	(20.0 + 12.0)	(24.0 + 12.0)	(26.0 + 14.0)	(24.0 + 24.0)	(22.0 + 20.0 + 12.0)	(24.0 + 24.0 + 12.0)	
		Kw	80.0	89.5	100.5	113.0	134.0	151.0	167.5	
	BTU (27.0 °C DB/19.0 °C WB)	Btu/h	272,800	308,000	344,000	382,000	462,000	516,000	574,000	
	BTU (27.0 °C DB/19.5 °C WB)	Btu/h	276,300	312,000	348,400	386,900	468,000	522,700	581,400	
Air Flow rate	Normal	cmh / cfm	13,700 / 8,100	14,400 / 8,500	15,600 / 9,200	16,800 / 9,900	20,400 / 12,000	23,400 / 13,800	25,200 / 14,800	
	Min	cmh / cfm	9,850 / 5,800	11,520 / 6,800	12,480 / 7,300	13,440 / 7,900	16,320 / 9,600	18,720 / 11,000	20,160 / 11,900	
	Max	cmh / cfm	15,300 / 9,000	17,280 / 10,200	18,720 / 11,000	21,600 / 12,700	24,480 / 14,400	28,080 / 16,500	30,240 / 17,800	
Cooling Coil	Material									
	Face Area	sq.ft.	18.1	22.1	22.1	25.1	31.5	35.6	42.3	
Air Filter Size	12" x 24" x 2"	pcs.	3	-	-	2	5	5	4	
	24" x 24" x 2"	pcs.	3	6	6	6	6	6	8	
Fan	Type	Double Width Double Inlet Centrifugal Fan [FDA or BDB]								
	Size		450	450 or 500	450 or 500	500 or 560	630 to 710	630 to 710	630 to 710	
Motor	Power Supply	V/Ph/Hz	380V / 3Ph / 50Hz							
	Available Size	HP	7.5	7.5	7.5	10.0	15.0	15.0	15.0	
	Type	Totally Enclose Fan Cooled								
Control device	DX Coil Controller	Model	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	
		pcs	2	2	2	2	3	3	3	
	DX Valve Kit	Model	40VA020V8-ATEE	40VA020V8-ATEE	40VA020V8-ATEE	40VA020V8-ATEE	40VA020V8-ATEE	40VA020V8-ATEE	40VA020V8-ATEE	
		pcs	2	2	2	2	3	3	3	

**Remarks :** Built-in DX Interface kit from factory  
 Standard coil 4Row / 14FPI  
 AHU Double skin construction with 25mm.  
 Horizontal draw true unit (HDT Standard type-1), FDA Fan type (Frame CM)

# 40RBV-XCT Series

These air handling units offer customized arrangement, slim design with rugged and reliable operation.

The 40RBV-XCT air handlers provide an efficient source of conditioned air for factories, shops, offices or restaurants.

Coupled with appropriate condensing unit, the 40RBV-XCT Series produce nominal capacities form 114,300 to 574,000 btu/hr.

Slim proportions (less than 910 mm. deep for 40RBV012 to 40RBV040 model) allow these units to be floor-mounted or ceiling-suspended (40RBV050-060 cannot swap blower direction at jobsite, Must be selected Horizontal or Vertical when ordering.)

## Specifications

Model		40RBV	012XCT	015XCT	020XCT	025XCT	030XCT	040XCT	050XCT	060XCT	
Total Cooling Capacity	CARRIER-CDU-VRF XCT8 (HP)		12.0	16.0	20.0	26.0	32.0	40.0	52.0	60.0	
			12.0	16.0	20.0	26.0	(20.0 + 12.0)	(26.0 + 14.0)	(26.0 + 26.0)	(24.0 + 24.0 + 12.0)	
	kW	33.5	45.0	56.0	73.0	89.5	113.0	146.0	167.5		
	BTU (27.0 °C DB/19.0 °C WI)	Btu/hr.	114,300	154,000	191,000	250,000	308,000	382,000	498,000	574,000	
	BTU (27.0 °C DB/19.5 °C WI)	Btu/hr.	115,700	156,000	193,400	253,000	312,000	386,900	504,400	581,400	
Power Supply	V/Ph/Hz	380Volt / 3Phase / 50Hz.									
Control device	DX Coil Controller	Model	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	
		pcs	1	1	1	1	2	2	3	3	
	DX Valve Kit	Model	40VA010V8-ATEE	40VA020V8-ATEE	40VA020V8-ATEE	40VA020V8-ATEE	40VA020V8-ATEE	40VA020V8-ATEE	40VA020V8-ATEE	40VA020V8-ATEE	
		pcs	1.0	1	1	2	2	2	3	3	
Air Flow Rate	Rate	CFM	4,000	5,400	7,500	8,600	10,700	13,000	15,000	20,000	
	Min-Max	CFM	3,400 - 4,100	4,400 - 5,400	6,100 - 7,600	7,000 - 8,600	8,600 - 10,800	10,500 - 13,100	12,700 - 19,000	15,200 - 22,800	
Cooling Coil	Coil Arrangement	Row/FPI	3/14	3/14	3/14	4/14	4/14	4/14	3/15	4/15	
	Coil Face Area	Sq.Ft.	8.35	10.91	15.23	17.39	21.72	26.30	40.17	40.17	
	Tube / Fin Material Type		Cu / Al	Cu / Al	Cu / Al	Cu / Al	Cu / Al	Cu / Al	Cu / Al	Cu / Al	
	No. of Circuit		1	1	1	1	2	2	3	3	
Fan	Type		Centrifugal Forward Curve Blade								
	Size	inch	10" x 10"	12" x 12"	15" x 15"	15" x 15"	18" x 18"	18" x 18"	FDA450-SM2	FDA500-SM2	
	QTY		2	2	2	2	2	2	2	2	
	Revolution Speed	Std. rpm	789	715	638	705	641	641	630	630	
Motor	Power Supply	V/Ph/Hz	380Volt / 3Phase / 50Hz.								
	Type		Totally Enclose Fan Cooled								
	Power	HP	2	3	3	5	8	8	10	15	
	Q'ty		1	1	1	1	1	1	1	1	
	Revolution Speed	Max rpm	1,420	1,430	1,430	1,410	1,435	1,435	1,460	1,465	
	Motor Range	HP	2.0 - 3.0	3.0 - 5.0	3.0 - 5.0	3.0 - 5.0	7.5 - 10.0	7.5 - 10.0	10.0 - 15.0	10.0 - 15.0	
Accessories	Fan Pulley		225-1B-25	250-1B-30	280-1B-30	250-1B-30	280-2B-35	280-2B-35	2SPB-400 (Bush D40)	2SPB-400 (Bush D40)	
	Motor Pulley		125-1B-24	125-1B-28	125-1B-28	125-1B-28	125-2B-38	125-2B-38	2SPB-180 (Bush D38)	2SPB-180 (Bush D42)	
	Belt		B-48	B-54	B-44	B-41	B-72	B-72	B-93 (Hor.) / B-99(Ver.)	B-94 (Hor.) / B-100(Ver.)	
	Belt Qty		1	1	1	1	2	2	2	2	
Air Filter	Type		Washable Aluminium Filter								
	Q'ty Size	inch	1...10"x22"x1"	2...10"x22"x1"	3...16"x25"x1"	3...16"x25"x1"	2...16"x20"x2"	2...16"x20"x2"	2...16"x20"x2"	2...16"x20"x2"	
	(Width x Height x Thickness)		1...10"x25"x1"	1...10"x25"x1"	3...20"x25"x1"	3...20"x25"x1"	6...20"x25"x2"	6...20"x25"x2"	1...16"x25"x2"	1...16"x25"x2"	
			1...16"x22"x1"	2...16"x22"x1"			8...20"x25"x2"	8...20"x25"x2"	8...20"x20"x2"	8...20"x20"x2"	
			1...16"x25"x1"	1...16"x25"x1"			4...20"x25"x2"	4...20"x25"x2"	4...20"x25"x2"	4...20"x25"x2"	
Insulation	Type		PE Foam								
	Thermal Conductivity		0.032 w/m.K								
	Thickness	mm.	10.0								
Gross weight	kg.	195	230	282	304	505	525	850	1,000		
Connecting Pipe	Liquid	Q'ty inch	1...1/2" (Brazing)	1...5/8" (Brazing)	1...5/8" (Brazing)	2...5/8" (Brazing)	2...5/8" (Brazing)	2...5/8" (Brazing)	3...5/8" (Brazing)	3...5/8" (Brazing)	
	Suction	Q'ty inch	1...1-1/8" (Brazing)	1...1-1/8" (Brazing)	1...1-1/8" (Brazing)	2...1-1/8" (Brazing)	2...1-1/8" (Brazing)	2...1-1/8" (Brazing)	3...1-1/8" (Brazing)	3...1-1/8" (Brazing)	
	Drain O.D. (FPT)	inch	3/4"	3/4"	1"	1"	2"	2"	1-1/2"	1-1/2"	

Remarks : RLA : Rated Load Amps

FPT : Female Pipe Tread

\*Nominal Capacity based on : Entering Air Temp. 80°F Db / 67°F Wb , At maximum air flow rate

# 40QDV-XCT Series



The latest innovation from the world leader in air conditioning, Carrier, introduces the all-new floor standing split air conditioning system. The 40QDV millennium design, inside and out, will provide you with cool comfort via a variety of control functions.

## Special features

- Built-in DX interface kit form factory
- Washable filter enhances Indoor Air Quality.
- New slim design and new color make 40QDV blended to your decor of any room. Durable anti-rust casing helps the unit last longer.
- Automatic restart the air conditioner after the power failure.
- Environmental friendly, with R-410A refrigerant
- Blue fin with Epoxy and Hydrophilic coating
  - Prevents dirt from sticking to the fins
  - Condensation water flows and water away dirt
  - Anty-corrosion caused by oxidation
  - Increases the efficiency of heat exchanger

## Specifications

Model		40QDV	080XCT	100XCT	120XCT	150XCT	200XCT
Total Cooling Capacity	CARRIER CDU-VRF, XCT8 Series	HP	8.0	10.0	12.0	16.0	20.0
		kW	22.4	28.0	33.5	45.0	56.0
	BTU (27.0 °C DB/19.0 °C WB)	Btu/hr.	76,400	95,500	114,300	154,000	191,000
	BTU (27.0 °C DB/19.5 °C WB)	Btu/hr.	77,300	96,700	115,700	156,000	193,400
Power Supply	FCU	V/Ph/Hz	220Volt / 1Phase / 50Hz.				
	CDU	V/Ph/Hz	400 (380-415) Volt / 3Phase / 50Hz.				
FAN COIL UNIT - FLOOR STANDING TYPE							
Power Input		kW	0.47	0.63	0.82	1.76	1.73
Current		A	2.14	2.84	3.59	8.28	7.92
Control device	DX Coil Controller	Model x pcs.	40VAM--C8FATEE x 1	40VAM--C8FATEE x 1	40VAM--C8FATEE x 1	40VAM--C8FATEE x 1	40VAM--C8FATEE x 1
	DX Valve Kit	Model x pcs.	40VA010V8-ATEE x 1	40VA010V8-ATEE x 1	40VA010V8-ATEE x 1	40VA020V8-ATEE x 1	40VA020V8-ATEE x 1
Air Flow Rate		CFM	2,600	3,000	4,000	5,000	6,000
Cooling Coil	Coil Arrangement	Row/FPI	3 / 16	3 / 18	3 / 18	3 / 18	4 / 16
	Coil Face Area	Sq.Ft	6.75	7.23	9.16	10.01	12.30
	Tube / Fin Material Type		Cu / Al	Cu / Al	Cu / Al	Cu / Al	Cu / Al
	No. of Circuit		2	2	2	2	2
Fan	Type		Direct Driven Forward Curved Centrifugal Fan				
	Size	inch	7 x 8	7 x 8	10 x 10	10 x 10	12 x 12
	QTY		4	4	2	2	2
	Revolution Speed	Max	rpm	1,000	1,200	830	1,060
(H/M/L)			850/700/550	950/850/700	700/620/560	900/750/650	650/550/500
Motor	Power Supply	V/Ph/Hz	220Volt / 1Phase / 50Hz.				
	Type		AC (Permanent Split Capacitor Type) Motor / Optional with BLDC motor				
	Power	HP	1/6	1/3	1/2	2/3	2/3
	Q'ty		2	2	1	2	2
Air Filter	Type		Washable Aluminium Filter				
	Q'ty Size (Width x Height x Thickness)	inch	2 (11x30x1)	2 (11x30x1)	2 (13x30x1)	2 (13x30x1)	2 (18x30x1)
Insulation	Type / Thermal Conductivity / Thickness		Irradiation Cross Linked Sheet / 0.029 W/mk at 38°C / 4.00mm.				
Dimension	(H x W x D)	mm.	1,800 x 900 x 420	1,800 x 900 x 420	1,800 x 1,100 x 470	1,800 x 1,200 x 470	1,800 x 1,450 x 555
Gross weight		kg.	123.0	128.0	160.0	175.0	233.0
Connecting Pipe	Liquid (Brazing type)	Q'ty inch	1/2	1/2	1/2	5/8	5/8
	Suction (Brazing type)	Q'ty inch	3/4	7/8	1-1/8	1-1/8	1-1/8
	Drain O.D. (Hose Connector)	inch	3/4	3/4	3/4	3/4	3/4
CONDENSING UNIT - XCT8							
Compressor type			Hermetic Twin rotary			2 x Hermetic Twin rotary	
Dimension (H x W x D)		mm.	1,690 x 990 x 780	1,690 x 990 x 780	1,690 x 990 x 780	1,690 x 1,290 x 780	1,690 x 1,290 x 780
Refrigerant Charge R410A		kg.	6.0	6.0	6.0	9.0	9.0
Gross weight		kg.	223.0	223.0	223.0	294.0	294.0
Connecting Pipe	Liquid (Brazing type)	Q'ty inch	1/2	1/2	1/2	5/8	5/8
	Suction (Brazing type)	Q'ty inch	7/8	1-1/8	1-1/8	1-1/8	1-1/8
Total Piping Length		m.	200.0	200.0	200.0	200.0	200.0
Furthest Piping Real Length		m.	120.0	120.0	120.0	120.0	120.0
Maximum Lift (FCU Above/Below) Length		m.	40.0	40.0	40.0	40.0	40.0
Operating Range Temperature		Degree C	- 5 / 52	- 5 / 52	- 5 / 52	- 5 / 52	- 5 / 52

Remarks : RLA : Rated Load Amps

Combination FCU-Floor Standing with CDU-VRF : 1 Circuit

\*Nominal Capacity based on : Entering Air Temp. 80 F Db / 67 F Wb „At maximum air flow rate

# 40VAV-XCT Series

## 40VAVxxxXCT12RWxx Model combine with Condensing Unit VRF CARRIER (XCT8)

### FCU Model Nomenclature

If Air side fan coil unit are the answer to your job requirements, you can't afford to pass over Carrier's versatile and extensive range of fan coil units.

40VAV series fan coil units, in capacities from 2,600 to 6,000 cfm. Units are ideal for installations in hospitals, hotels, apartments and other multi-room buildings. provide unsurpassed year round comfort with high cooling performance.

40VAV series requires very little space and is easy to install. Piping, drain and wiring connections are readily accessible to save installation time and field labor expense.

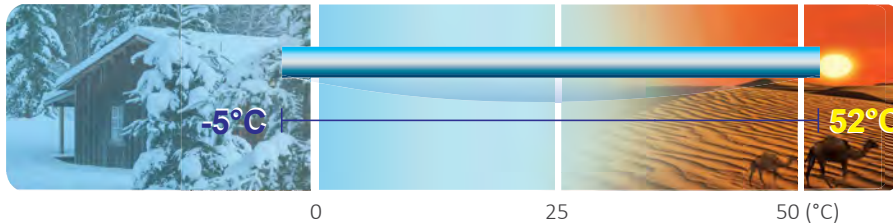
### Specifications

Model		40VAV	080XCT	100XCT	120XCT	150XCT	200XCT	
Total Cooling Capacity	CARRIER CDU-VRF, XCT8 Series	HP	8.0	10.0	12.0	16.0	20.0	
		kW	22.4	28.0	33.5	45.0	56.0	
		Btu/hr.	76,400	95,500	114,300	154,000	191,000	
Power Supply	FCU	V/Ph/Hz	220Volt / 1Phase / 50Hz.					
	CDU	V/Ph/Hz	400 (380-415) Volt / 3Phase / 50Hz.					
FAN COIL UNIT - Ducted								
Power Input		kW	0.36	0.62	0.84	1.73	1.81	
Current		A	2 x 0.82	2 x 1.49	2 x 1.93	2 x 3.95	2 x 4.15	
Control device	DX Coil Controller	Model x 1SET	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	40VAM-C8FATEE	
	DX Valve Kit	Model x 1SET	40VA010V8-ATEE	40VA010V8-ATEE	40VA010V8-ATEE	40VA020V8-ATEE	40VA020V8-ATEE	
Air Flow Rate		CFM	2,600	3,200	4,000	5,000	6,000	
Cooling Coil	Coil Arrangement	Row/FPI	3 / 14	3 / 14	3 / 14	3 / 14	4 / 14	
	Coil Face Area	Sq.ft	5.22	6.67	8.25	10.08	12.19	
	Tube / Fin Material Type		Cu / Al	Cu / Al	Cu / Al	Cu / Al	Cu / Al	
	No. of Circuit		1	1	1	1	1	
Fan	Type		Direct Drive Forward Curved Centrifugal Fan					
	Size	inch	10 x 10	10 x 10	10 x 10	12 x 12	12 x 12	
	QTY		2	2	2	2	2	
	Revolution Speed	Max	rpm	720	890	750	750	750
(H/M/L)			650/550/450	700/650/600	600/500/400	600/550/500	620/550/500	
Motor	Power Supply	V/Ph/Hz	220Volt / 1Phase / 50Hz.					
	Type		AC (Permanent Split Capacitor Type) Motor / Optional with BLDC motor					
	Q'ty		2	2	2	2	2	
Air Filter	Type		Synthetic Filter					
	Q'ty Size	mm.	2 (450 x 685)	2 (500 x 685)	2 (550 x 775)	2 (550 x 925)	2 (665 x 925)	
Insulation	Type / Thermal Conductivity / Thickness		PE Foam / 0.032 W/m.k / 10.00mm.					
Dimension	(H x W x D)	mm.	490 x 1,480 x 675	540 x 1,480 x 675	590 x 1,660 x 675	590 x 1,960 x 780	705 x 1,960 x 780	
Gross weight		kg.	88	91	98	127	165	
Connecting Pipe	Liquid (Brazing type)	Q'ty	inch	1/2	1/2	1/2	5/8	5/8
	Suction (Brazing type)	Q'ty	inch	3/4	7/8	1-1/8	1-1/8	1-1/8
	Drain O.D. (MPT)		inch	1/2	1/2	1/2	1/2	1/2
CONDENSING UNIT - XCT8								
Compressor type			Hermetic Twin rotary			2 x Hermetic Twin rotary		
Dimension	(H x W x D)	mm.	1,690 x 990 x 780	1,690 x 990 x 780	1,690 x 990 x 780	1,690 x 1,290 x 780	1,690 x 1,290 x 780	
Refrigerant Charge R410A		kg.	6.0	6.0	6.0	9.0	9.0	
Gross weight		kg.	223.0	223.0	223.0	294.0	294.0	
Connecting Pipe	Liquid (Brazing type)	Q'ty	inch	1/2	1/2	1/2	5/8	5/8
	Suction (Brazing type)	Q'ty	inch	7/8	1-1/8	1-1/8	1-1/8	1-1/8
Farthest Piping Equipvalent Length		m.	210.0	210.0	210.0	210.0	210.0	
Farthest Piping Real Length		m.	190.0	190.0	190.0	190.0	190.0	
Maximum Total Piping Length		m.	500.0	500.0	500.0	500.0	500.0	
Maximum Lift (FCU Above/Below) Length		m.	40 / 110	40 / 110	40 / 110	40 / 110	40 / 110	
Operating Range Temperature		Degree C	- 5 / 52	- 5 / 52	- 5 / 52	- 5 / 52	- 5 / 52	

- Enhanced Efficiency
- Improved Flexibility
- Superior Serviceability



➤ WIDE OPERATING TEMPERATURE RANGE

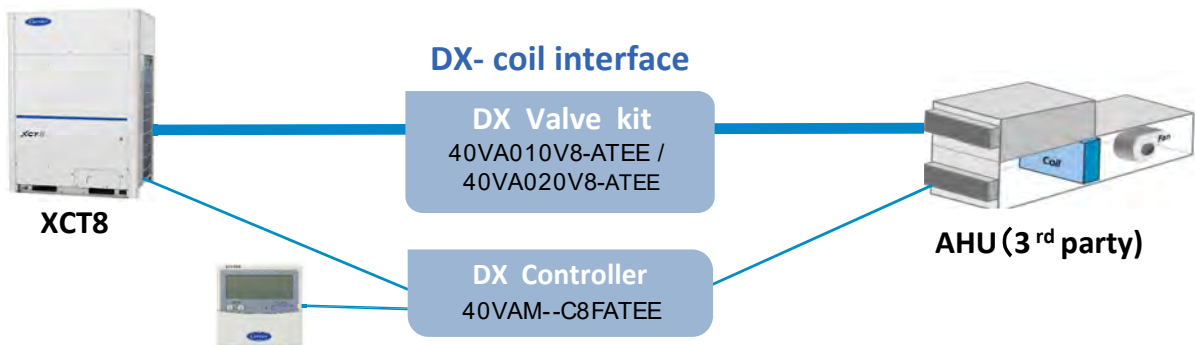


➤ A BRAND NEW CHASSIS

Engineered in Japan, XCT8 integrates all the latest technological innovations from Carrier to achieve top class efficiency and ensure unrivalled comfort.







Overview ; Products / Dx coil controller and Dx valve kit



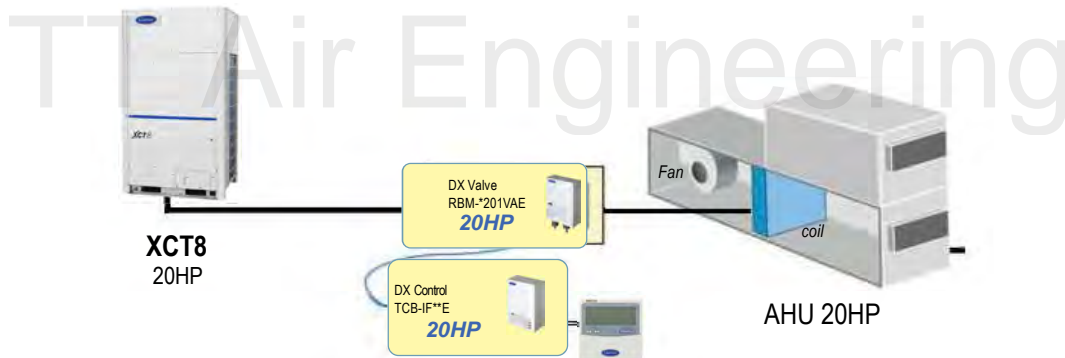
**DX-coil controller**  
 3 type (TA, DDC, TF)  
 PCB & Sensors  
 Connector for external I/P & O/P  
 Control PMV of the Valve kit & VRF ODU

**DX Valve kit**  
 PMV (Pulse Motor Valve) is included to control refrigerant flow.  
 2 types according to the capacity.

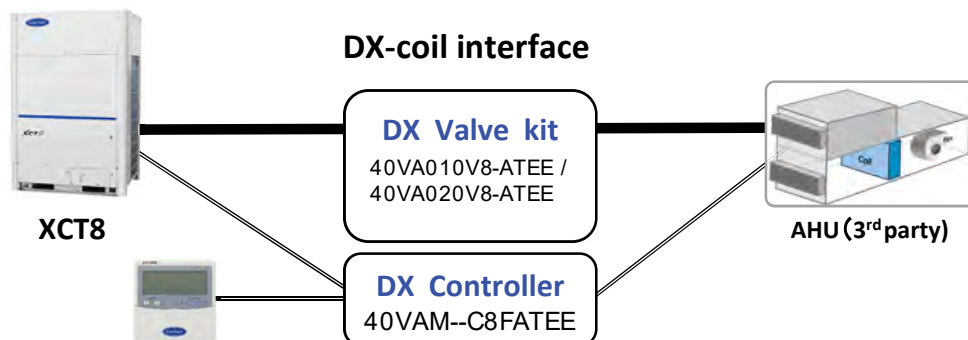
## New Dx-valve kit and controller

Valve control	Single valve control								
No. of controller	<div style="display: flex; gap: 5px;"> <span style="background-color: #008000; color: white; padding: 2px;">TA</span> <span style="background-color: #008000; color: white; padding: 2px;">TF</span> <span style="background-color: #008000; color: white; padding: 2px;">DDC</span> </div>			1				New	
	40VAM--C8FATEE / 40VAMR-C8FATEE								
No. of valve kit	<div style="display: flex; align-items: center;">  </div>			<div style="display: flex; align-items: center;">  </div>				1	
	Middle size PMV 40VA010V8-ATEE			Large size PMV 40VA020V8-ATEE					
AHU total coil capacity (HP)	8	10	12	14	16	18	20		
	✓	✓	✓	✓	✓	✓	✓	✓	
Dx-AHU system									




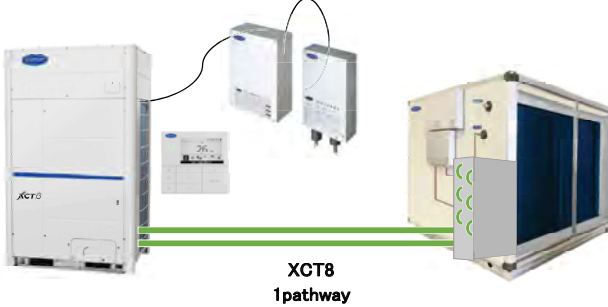
## Single combination



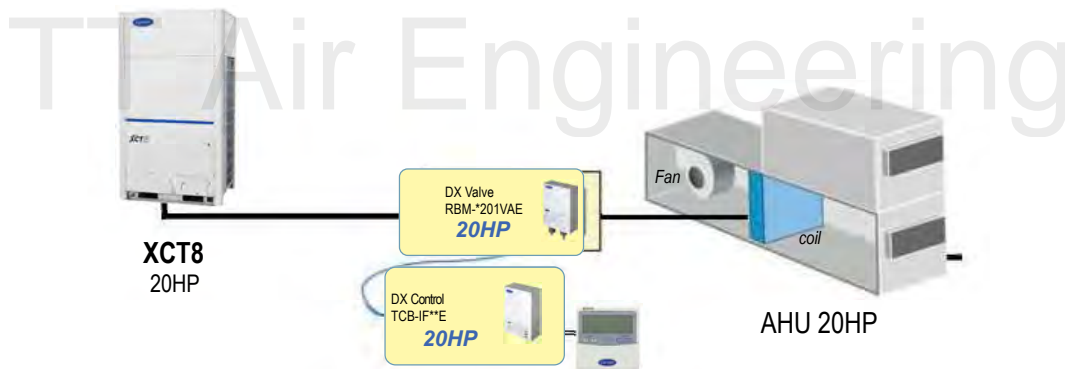
## DX-Coil Interface



## New Dx-valve kit and controller

Valve control	Single valve control							
No. of controller	<span style="background-color: #008000; color: white; padding: 2px;">TA</span> <span style="background-color: #008000; color: white; padding: 2px;">TF</span> <span style="background-color: #008000; color: white; padding: 2px;">DDC</span>			1	 <span style="color: red; font-weight: bold; font-size: small;">New</span>			40VAM--C8FATEE / 40VAMR-C8FATEE
No. of valve kit	1							
	<b>Middle size PMV</b> 40VA010V8-ATEE 			<b>Large size PMV</b> 40VA020V8-ATEE 				
AHU total coil capacity (HP)	8	10	12	14	16	18	20	
	✓	✓	✓	✓	✓	✓	✓	
Dx-AHU system	 <p style="text-align: center;"><b>XCT8</b> 1 pathway</p>							

## Single combination



## Super capacity combination ; Powered by XCT8

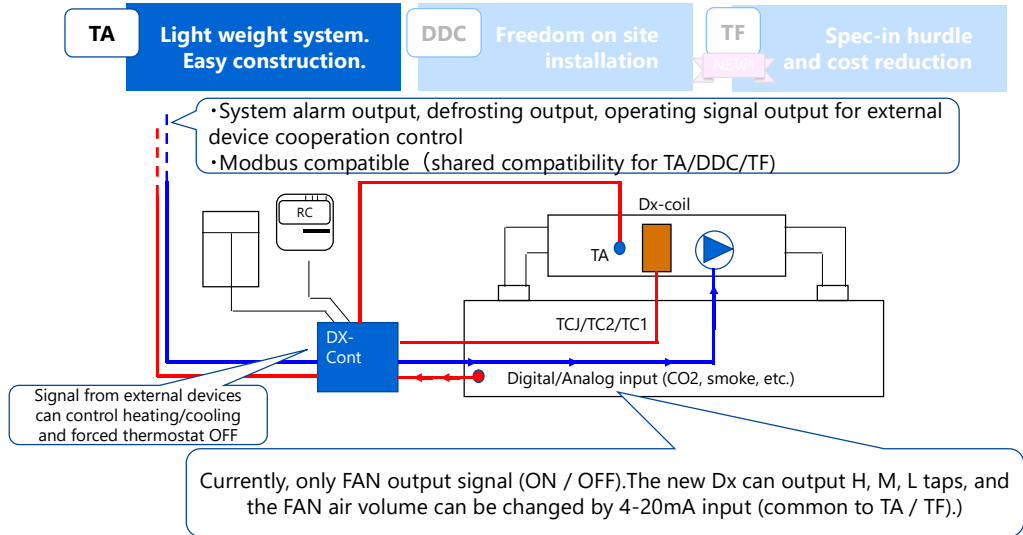
### ➤ Dx-coil interface advance with XCT 8

TA

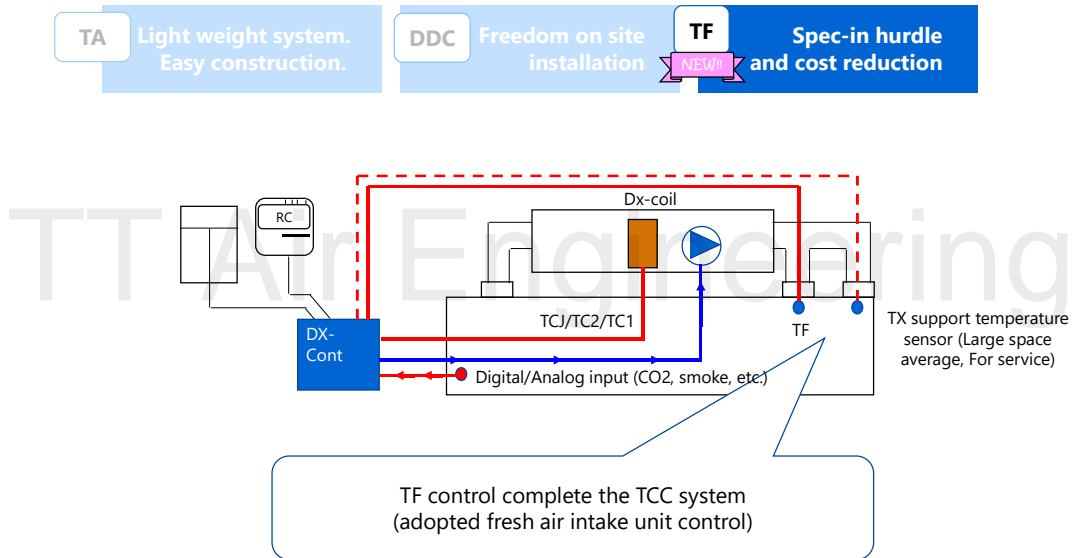




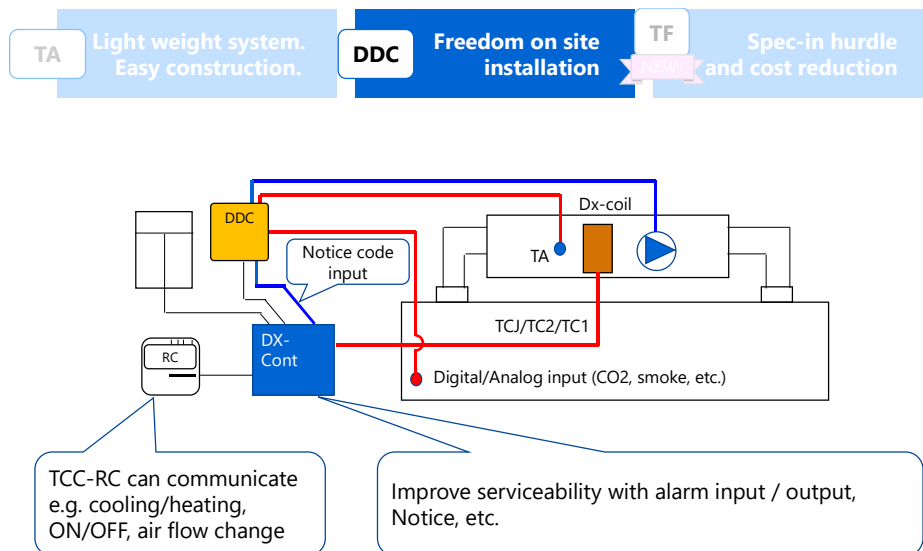
## TA application



## TF application



## DDC application



## Remote Controller Options



**40VCW534SJEE**  
High Tier Wired remote controller



**40VCW56-8-JEE**  
New High Tier Wired remote controller



**40VCW61-8-CEE**  
Compact Wired remote controller



**40VCI3--8-TEE**  
Wireless controller kit for Under-Ceiling



**CARR-AMT32E**  
Wired remote controller



**40VCC73-8FJEE**  
New Touchscreen Controller 256 FCUs



**40VCC631SJEE**  
Touch-screen controller 512 FCUs



**40VCC33-8FJEE**  
New 64 Central remote controller



**40VCBM1-8FJEE**  
Modbus Interface



**40VCBB1-8FJEE**  
Bacnet Interface

## Pipe length and height difference Connected

Item		TA type	TF, DDC type	
Main pipe equivalent length		Same as piping length restriction of outdoor unit		
Total piping length		200 m.	120 m. (100 m.)	
Furthest equivalent pipe length L (real length)		130 m. (120 m.)	100 m.	
Furthest equivalent pipe length from the 1st branch		40 m.	-	
Furthest equivalent pipe length between outdoor unit		Same as piping length restriction of outdoor unit	-	
Max, real length of pipes connected to indoor units		20 m.	-	
Maximum equivalent between branching section		30 m.	-	
Max. Height Difference	Outdoor unit-indoor unit (Upper outdoor unit) H1	40 m. or the outdoor unit spec. Whichever is shorter of outdoor unit.	40 m.	
	Outdoor unit-indoor unit (Upper outdoor unit) H1			H2>3M
	Indoor unit-indoor (Upper outdoor unit) H2		H2≤3M	-
	Indoor unit-indoor (Upper outdoor unit) H2		-	-
Amount of Additional Refrigerant		Refer to specification of Outdoor unit		

บริษัท แคนเรียร์ (ประเทศไทย) จำกัด  
1858/63-74 ชั้น 14, 15  
จ.เทพรัตน กม. 4.5 แขวงบางนาใต้  
เขตบางนา กรุงเทพฯ 10260  
โทร. 0-2090-9999 แฟกซ์: 0-2751-4778

Carrier (Thailand) Ltd.  
1858/63-74 , 14<sup>th</sup>, 15<sup>th</sup> Floor,  
Debaratna Road, Km.4.5, Bangna Tai,  
Bangna Bangkok 10260 Thailand  
Tel. 0-2090-9999 Fax: 0-2751-4778

บริษัทฯ ขอสงวนสิทธิ์ที่จะเปลี่ยนแปลงรายละเอียดข้างต้น โดยไม่ต้องแจ้งให้ทราบล่วงหน้า  
Carrier reserves the right to make changes in specifications without prior notice.



YOUR CARRIER MAN :

VRF-XCT\_03/2024