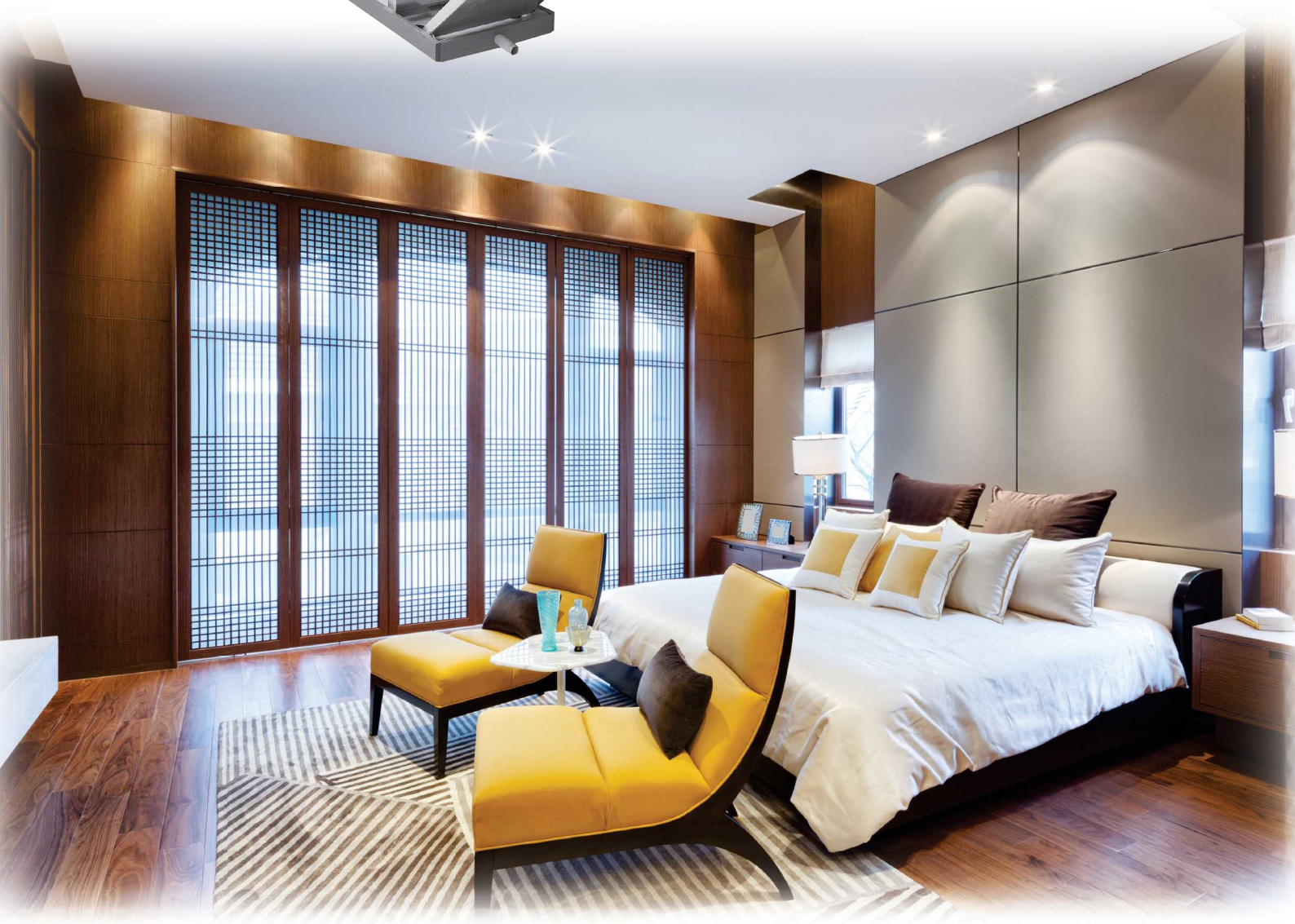




42CFS Series

*Chilled Water Fan Coil Unit
Concealed Type - Low Static*
Nominal : 400-2,000 CFM



World's No.1 Air Conditioning Expert

www.carrier.co.th

42CFS Series



The Compact and Practical 42CFS Fan Coil Units

The Carrier **42CFS** horizontal furred-in Fan Coils are quiet, compact and flexible. Nominal air quantity range from 400 cfm to 2,000 cfm. These units are engineered for industrial and commercial applications.

Features

- Ultra-compact design-saves installation space
- High efficiency heat transfer surface
- Super quiet operation
- Low installation and maintenance cost-easy wiring, piping connections
- Installed with direct driven forward curved centrifugal fan and 4-speed motor
- BLDC Motor for optional
- Minimum power requirement for significant money saving to the owners
- Insulated drain pan
- Factory leak test
- Requires no expensive ductwork
- Ideal for new construction or renovation

Physical Data

Specification (รายละเอียดของเครื่อง)			Chilled Water Coil - Conceal Ducted Type															
Model Name (ชื่อรุ่น)	Indoor (เครื่องภายใน)		42CFS004W		42CFS006W		42CFS008W		42CFS010W		42CFS012W		42CFS014W		42CFS016W		42CFS020W	
		2Rows	3Rows	2Rows	3Rows	3Rows	4Rows	3Rows	4Rows	3Rows	4Rows	3Rows	4Rows	3Rows	4Rows	3Rows	4Rows	
Cooling Capacity		W	3,968	4,909	5,480	6,468	7,857	9,202	9,944	11,957	11,169	13,578	12,813	15,747	14,818	17,157	18,689	20,849
(ความสามารถในการทำความเย็น)		Btu/hr.	13,540	16,750	18,700	22,070	26,810	31,400	33,930	40,800	38,110	46,330	43,720	53,730	50,560	58,540	63,770	71,140
Power Supply (ระบบไฟฟ้า)		V/Ph/Hz	220 / 1 / 50															
Operating Current (กระแสไฟฟ้า)		Amp.	0.62		0.59		0.84		1.51		1.23		2.1		2.28		3.27	
Power Consumption (กำลังไฟฟ้า)		W	120		115		171		321		273		438		445		600	
Indoor Air Circulation, Max. (ปริมาณลมหมุนเวียน)		CFM	400		600		800		1,000		1,200		1,400		1,600		2,000	
Fan Motor	Type		Permanent Split Capacitor / 4 Speed															
	Power Supply	V/Ph/Hz	220/1/50															
	HP		1/20		1/12		1/8		1/5		1/5		1/4		1/3		1/2	
	Qty		1		1		1		1		1		1		1		1	
	RLA	Amp.	0.62		0.59		0.84		1.51		1.23		2.1		2.28		3.27	
Blower	Type		Centrifugal Forward Curve Blade															
	Diameter	mm.	144		144		144		164		181		181		181		181	
	Width	mm.	162		188		188		201		231		231		231		231	
	Qty		2		2		2		2		2		2		2		2	
Dimension (ขนาดของเครื่อง)	Width	mm.	460		460		460		490		530		530		530		530	
	Depth	mm.	1,030		1,200		1,200		1,330		1,330		1,330		1,330		1,510	
	Height	mm.	260		260		260		280		280		330		330		330	
Gross weight		kg.	19	21	20	22	22	24	26	29	29	32	34	37	32	35	37	41
Connecting Pipe (ขนาดท่อที่ใช้)	Water Inlet (MPT)	inch	1/2		1/2		1/2		1/2		1/2		3/4		3/4		3/4	
	Water Outlet (MPT)	inch	1/2		1/2		1/2		1/2		1/2		3/4		3/4		3/4	
	Drain O.D.(ท่อทิ้ง)(MPT)	inch	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	

RLA : Rated Load Amps

MPT : Male Pipe Thread

*Nominal Capacity based on : EAT 80°Fdb / 67°Fwb, CHWT 44 / 54°F

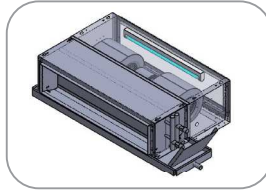
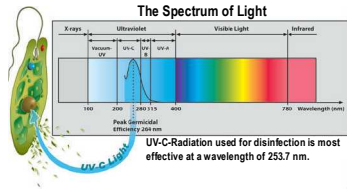
Accessories (Optional)

UV Lamps

In response to the current coronavirus epidemic situation, sterilization option using UltraViolet (UV) is available for FCU products.

UV light for kill germs in a wide range of wavelengths between 200 to 400 (nm) which is highly effective in killing bacteria and reduces the formation of viruses by breaking down the molecular bonds that hold their DNA and RNA together.

UV-C at this wavelength, is the wavelength that DNA can absorb well can be punched and disabled their growth. By destroying their DNA sequence When doing this, the virus will lose their ability to reproduce.



UV-C rays are not found in nature because these rays cannot pass through the ozone layer to the earth's surface. The use of this type of radiation to destroy the infection requires a source of radiation. Including mercury lamps

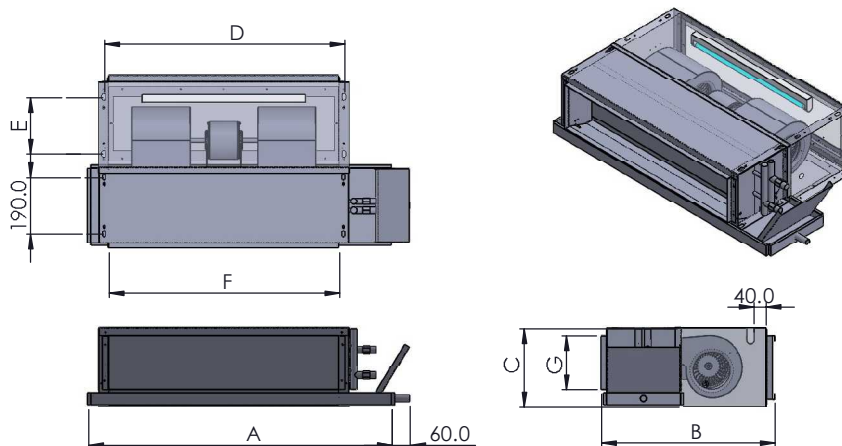
Advantages of UV-C lamp

- 253.7nm UV-C lamp, no generate ozone.
- High-energy UV-C, effective life is up to 8000 hours.
- Stainless steel reflector enhances the radiation intensity and avoids direct exposure to the human body.
- Able to kill bacteria in the air and prevent the virus from spreading through the host bacteria
- Plug-in products for easy installation.
- External control box, 220VAC standard power supply, simple wiring.

Product Details and Specifications

Product Part Number	Units	FCU		
		TUV15WT8	TUV18WT8	TUV30WT8
Lamp power	W	16	17	30
UV-C radiation Power	W	4.9	4.5	12.0
Power supply	V	220 VAC 50Hz		
Length	mm	438	590	895
Recommended irradiation area	uW/cm ²	48	56	100
Recommended air flow	CFM	170-600	170-800	470-2,000

Dimension data UVC lamp



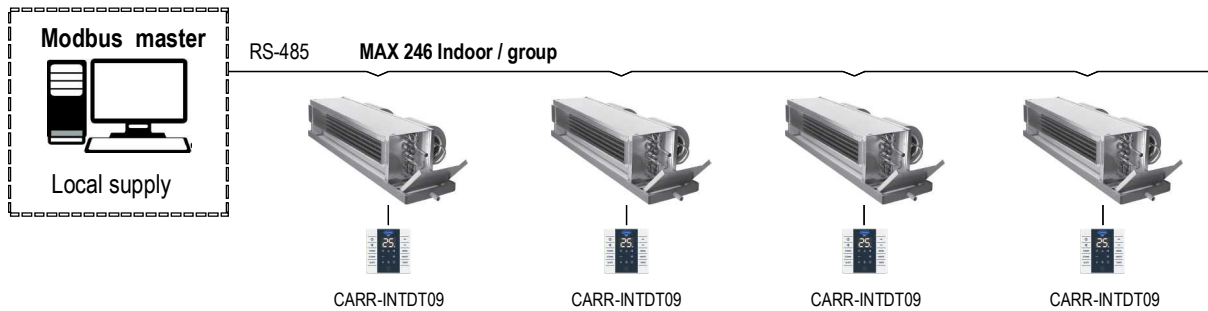
MODEL	Dimension							UV-C Lamp		Q'ty
	A	B	C	D	E	F	G	Lamp Model	Length	
42CFS004W__RP	1,030	560	265	802	190	770	180	TUV15WT8	558	1
42CFS006W__RP	1,200	560	265	972	190	940	180	TUV15WT8	558	1
42CFS008W__RP	1,200	560	265	972	190	940	180	TUV18WT8	710	1
42CFS010W__RP	1,330	580	290	1,100	210	1,067	205	TUV30WT8	1,015	1
42CFS012W__RP	1,330	580	290	1,100	210	1,067	205	TUV30WT8	1,015	1
42CFS014W__RP	1,330	630	335	1,100	260	1,067	255	TUV30WT8	1,015	1
42CFS016W__RP	1,330	630	335	1,100	260	1,067	255	TUV30WT8	1,015	1
42CFS020W__RP	1,510	630	335	1,277	260	1,245	255	TUV30WT8	1,015	1

Accessories (Optional)

BAS controller

Model CARR-INTM9DT09X

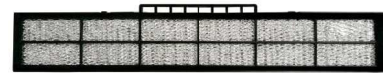
- Open communication protocol Modbus RS-485
- Manages the DC motor or EC motor
- Manages the valve actuator proportional type
- External contract for key card ON-OFF



Nano Silver Titanium Filter Technology

Ag-TiO₂ Properties

- Get rid of bad odor
- Nano coating filter
- Non UV active
- Environmentally friendly
- Self bacteria killed, anti-virus and fungi



Controller

Control box and cable set 4 meters,
not exceeding 60,000 BTUH (1 Motor)



CARR-INTM9BOX1M
THERMOSTAT PCB9 BOX 1 MOTOR



CARR-INTMXDT09-UV
CONTROL(DT09)+WIRE REMOTE UV



CARR-INTM9DT09X
CONTROLLER PCB9 WIFI+MODBUS



CARR-INTLCD54
Wireless remote control



CARR-INTLCD54-UV
Wireless remote control+UV



CARR-INTDT09
Wired remote control (Option-1)



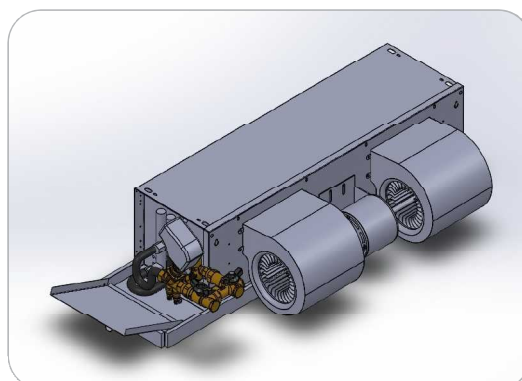
CARR-INTDT09-WIFI
Wired remote control (Option-2)



CCARR-INTDT09-UV
Wired remote control (Option-3)

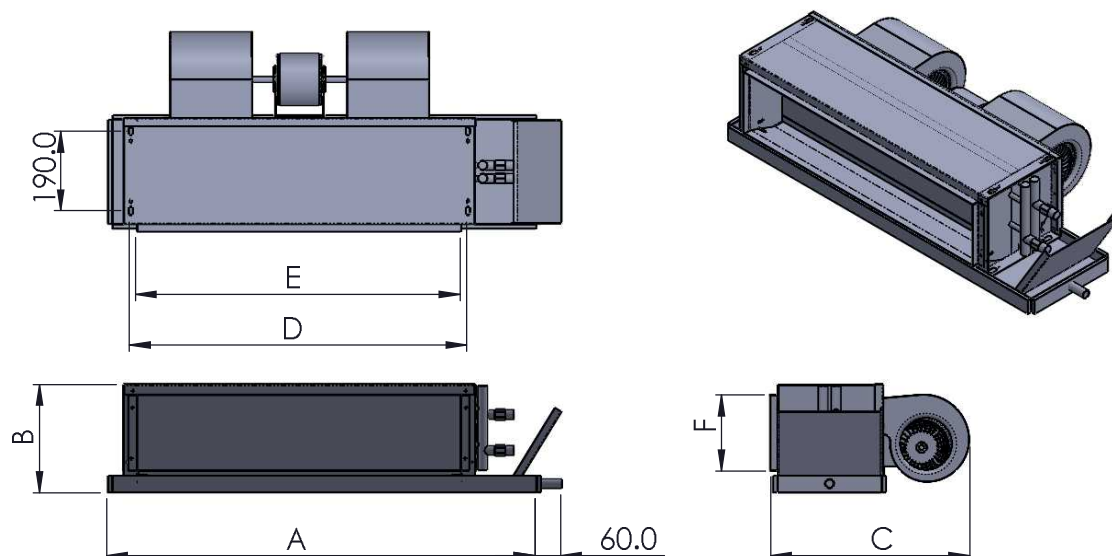
Built in PICV (Option)

Factory assembled nest of valves and accessories help installers avoid installation mistakes onsite.



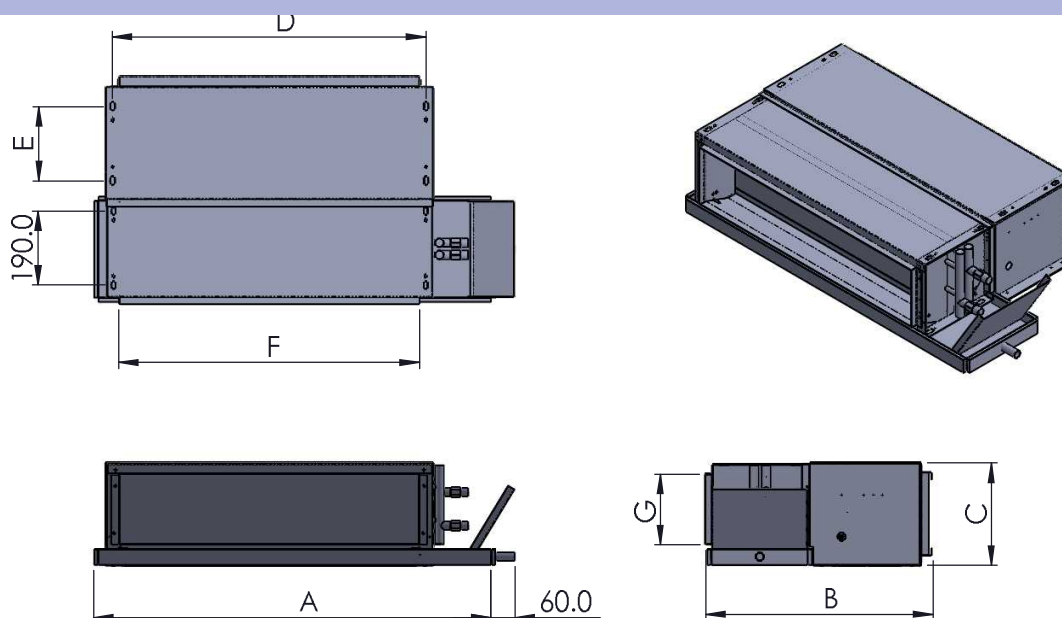
Unit dimensions

42CFS With Standard Model



NO	42CFS004W...RO	42CFS006W...RO	42CFS008W...RO	42CFS010W...RO	42CFS012W...RO	42CFS014W...RO	42CFS016W...RO	42CFS020W...RO
A	1,030	1,200	1,200	1,330	1,330	1,330	1,330	1,510
B	260	260	260	280	280	330	330	330
C	460	460	460	490	530	530	530	530
D	802	972	972	1,100	1,100	1,100	1,100	1,277
E	770	940	940	1,067	1,067	1,067	1,067	1,245
F	180	180	180	205	205	255	255	255

42CFS With Return Plenum



NO	42CFS004W...RP	42CFS006W...RP	42CFS008W...RP	42CFS010W...RP	42CFS012W...RP	42CFS014W...RP	42CFS016W...RP	42CFS020W...RP
A	1,030	1,200	1,200	1,330	1,330	1,330	1,330	1,510
B	560	560	560	580	580	630	630	630
C	265	265	265	290	290	335	335	335
D	802	972	972	1,100	1,100	1,100	1,100	1,277
E	190	190	190	210	210	260	260	260
F	770	940	940	1,067	1,067	1,067	1,067	1,245
G	180	180	180	205	205	255	255	255

Performance data

Chilled Water Coil Pressure Drop (Δp) (FT of Water)

Cv Factor	Water Flow Rate (GPM)																									
	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	13.0	14.0
0.8	0.9	3.6	8.1	14.4	22.5	32.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.9	0.7	2.8	6.4	11.4	17.8	25.6	34.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.0	0.5	2.3	5.2	9.2	14.4	20.7	28.2	36.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1	0.4	1.9	4.2	7.6	11.9	17.1	23.3	30.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2	-	1.6	3.6	6.4	10.0	14.4	19.6	25.6	32.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3	-	1.3	3.0	5.4	8.5	12.3	16.7	21.8	27.6	34.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4	-	1.1	2.6	4.7	7.3	10.6	14.4	18.8	23.8	29.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5	-	1.0	2.3	4.1	6.4	9.2	12.5	16.4	20.7	25.6	31.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6	-	0.9	2.0	3.6	5.6	8.1	11.0	14.4	18.2	22.5	27.2	32.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.7	-	0.8	1.8	3.2	4.9	7.1	9.7	12.7	16.1	19.9	24.1	28.7	33.7	-	-	-	-	-	-	-	-	-	-	-	-	-
1.8	-	0.7	1.6	2.8	4.4	6.4	8.7	11.4	14.4	17.8	21.5	25.6	30.1	-	-	-	-	-	-	-	-	-	-	-	-	-
1.9	-	0.6	1.4	2.5	4.0	5.7	7.8	10.2	12.9	15.9	19.3	23.0	27.0	31.3	-	-	-	-	-	-	-	-	-	-	-	-
2.0	-	0.5	1.3	2.3	3.6	5.2	7.0	9.2	11.6	14.4	17.4	20.7	24.4	28.2	32.4	-	-	-	-	-	-	-	-	-	-	-
2.1	-	0.5	1.1	2.0	3.2	4.7	6.4	8.3	10.6	13.0	15.8	18.8	22.1	25.6	29.4	33.5	-	-	-	-	-	-	-	-	-	-
2.2	-	0.4	1.0	1.9	2.9	4.2	5.8	7.6	9.6	11.9	14.4	17.1	20.1	23.3	26.8	30.5	-	-	-	-	-	-	-	-	-	-
2.3	-	-	0.9	1.7	2.7	3.9	5.3	6.9	8.8	10.9	13.2	15.7	18.4	21.3	24.5	27.9	31.5	-	-	-	-	-	-	-	-	-
2.4	-	-	0.9	1.6	2.5	3.7	4.9	6.4	8.1	10.0	12.1	14.4	16.9	19.6	22.5	25.6	28.9	32.4	-	-	-	-	-	-	-	-
2.5	-	-	0.8	1.4	2.3	3.3	4.5	5.9	7.4	9.2	11.1	13.3	15.6	18.1	20.7	23.6	26.7	29.9	33.3	-	-	-	-	-	-	-
2.6	-	-	0.7	1.3	2.1	3.0	4.1	5.4	6.9	8.5	10.3	12.3	14.4	16.7	19.2	21.8	24.6	27.6	30.8	-	-	-	-	-	-	-
2.7	-	-	0.7	1.2	1.9	2.8	3.8	5.0	6.4	7.9	9.5	11.4	13.3	15.5	17.8	20.2	22.8	25.6	28.5	31.6	-	-	-	-	-	-
2.8	-	-	0.6	1.1	1.8	2.6	3.6	4.7	5.9	7.3	8.9	10.6	12.4	14.4	16.5	18.8	21.2	23.8	26.5	29.4	32.4	-	-	-	-	-
2.9	-	-	0.6	1.1	1.7	2.4	3.3	4.3	5.5	6.8	8.3	9.8	11.6	13.4	15.4	17.5	19.8	22.2	24.7	27.4	30.2	-	-	-	-	-
3.0	-	-	0.5	1.0	1.6	2.3	3.1	4.1	5.2	6.4	7.7	9.2	10.8	12.5	14.4	16.4	18.5	20.7	23.1	25.6	28.2	31.0	-	-	-	-
3.2	-	-	0.5	0.9	1.4	2.0	2.7	3.6	4.5	5.6	6.8	8.1	9.5	11.0	12.6	14.4	16.3	18.2	20.3	22.5	24.8	27.2	29.8	-	-	-
3.4	-	-	-	0.8	1.2	1.8	2.4	3.2	4.0	4.9	6.0	7.1	8.4	9.7	11.2	12.7	14.4	16.1	18.0	19.9	22.0	24.1	26.4	28.7	-	-
3.6	-	-	-	0.7	1.1	1.6	2.1	2.8	3.6	4.4	5.3	6.4	7.5	8.7	10.0	11.4	12.8	14.4	16.0	17.8	19.6	21.5	23.5	25.6	30.1	-
3.8	-	-	-	0.6	1.0	1.4	1.9	2.5	3.2	4.0	4.8	5.7	6.7	7.8	9.0	10.2	11.5	12.9	14.4	15.9	17.6	19.3	21.1	23.0	27.0	31.3
4.0	-	-	-	0.5	0.9	1.3	1.7	2.3	2.9	3.6	4.3	5.2	6.1	7.0	8.1	9.2	10.4	11.6	13.0	14.4	15.9	17.4	19.0	20.7	24.4	28.2

Note: Interpolation is permitted; do not extrapolate. To calculate pressure drop for Cv factors and flow rates not shown in the table, use the following formula

ΔP = (GPM)² / (Cv)² x 2.31

Performance data

MODEL	Entering Chilled Water Temp. F	Water Temp Rise F	Entering Air Temp (Fdb / Fwb)															
			76 / 63				78 / 65				80 / 67				82 / 69			
			Total Capacity btu/h	Sensible Capacity btu/h	Chilled Water Flowrate gpm	Water Pressure Drop ft.wg.	Total Capacity btu/h	Sensible Capacity btu/h	Chilled Water Flowrate gpm	Water Pressure Drop ft.wg.	Total Capacity btu/h	Sensible Capacity btu/h	Chilled Water Flowrate gpm	Water Pressure Drop ft.wg.	Total Capacity btu/h	Sensible Capacity btu/h	Chilled Water Flowrate gpm	Water Pressure Drop ft.wg.
40	13,800	10,400	3.43	23.0	15,800	11,100	3.92	29.2	17,900	11,700	4.44	36.3	20,100	12,400	4.98	44.5		
42CFS004W2	45	10,600	9,000	2.62	14.1	12,100	9,500	3.01	18.0	14,100	10,100	3.50	23.5	16,300	10,800	4.04	30.2	
	50	7,700	7,600	1.92	8.0	9,100	8,100	2.25	10.6	10,500	8,700	2.60	13.7	12,100	9,100	3.01	17.7	
	40	16,800	12,100	4.16	16.0	19,100	12,900	4.74	20.1	21,500	13,700	5.35	24.7	24,000	14,400	5.97	30.1	
42CFS004W3	45	13,000	10,400	3.22	10.0	14,900	11,000	3.70	12.7	17,200	11,700	4.28	16.4	19,800	12,500	4.91	20.9	
	50	9,400	8,800	2.34	5.6	11,000	9,300	2.72	7.3	13,000	10,000	3.22	9.8	15,100	10,600	3.75	12.7	
	40	19,400	15,100	4.81	15.7	22,200	16,000	5.51	19.9	25,200	16,900	6.27	25.0	28,400	17,800	7.06	30.8	
42CFS006W2	45	14,900	13,000	3.70	9.7	17,000	13,800	4.23	12.3	19,600	14,500	4.87	15.7	22,700	15,500	5.65	20.4	
	50	11,100	11,000	2.75	5.7	12,600	11,700	3.14	7.2	14,700	12,500	3.66	9.4	17,000	13,300	4.24	12.1	
	40	22,400	16,600	5.56	14.2	25,600	17,700	6.35	18.0	28,900	18,700	7.18	22.3	32,400	19,800	8.04	27.2	
42CFS006W3	45	17,200	14,300	4.26	8.9	19,800	15,200	4.92	11.3	22,800	16,100	5.68	14.5	26,300	17,200	6.55	18.6	
	50	12,600	12,100	3.14	5.1	14,500	12,900	3.60	6.4	17,200	13,800	4.27	8.6	20,000	14,600	4.97	11.2	
	40	27,200	20,800	6.76	20.0	31,200	22,000	7.74	25.4	35,300	23,300	8.76	31.6	39,500	24,500	9.83	38.7	
42CFS008W3	45	20,900	17,900	5.20	12.4	24,100	19,000	6.01	16.0	27,700	20,100	6.90	20.3	32,000	21,300	7.96	26.1	
	50	15,400	15,100	3.84	7.2	17,800	16,200	4.41	9.1	20,800	17,200	5.17	12.0	24,200	18,300	6.00	15.6	
	40	31,600	23,200	7.84	18.6	35,900	24,600	8.92	23.3	40,500	26,100	10.07	28.8	45,300	27,500	11.27	35.1	
42CFS008W4	45	24,200	19,800	6.02	11.5	28,000	21,100	6.98	14.8	32,300	22,400	8.03	19.0	37,000	23,900	9.21	24.1	
	50	17,600	16,800	4.39	6.5	20,600	17,900	5.12	8.5	24,100	19,100	6.01	11.2	28,200	20,300	7.04	14.8	
	40	34,500	26,300	8.58	13.5	39,400	27,900	9.79	17.0	44,700	29,500	11.11	21.2	50,200	31,200	12.49	26.0	
42CFS010W3	45	26,300	22,600	6.56	8.3	30,500	24,000	7.58	10.6	35,100	25,400	8.75	13.6	40,400	27,000	10.06	17.4	
	50	19,500	19,100	4.86	4.8	22,500	20,400	5.60	6.1	26,100	21,700	6.51	8.0	30,600	23,100	7.62	10.5	
	40	40,800	29,700	10.15	16.1	46,400	31,600	11.55	20.2	52,400	33,400	13.03	24.9	58,600	35,300	14.56	30.4	
42CFS010W4	45	31,300	25,300	7.79	9.9	36,400	27,000	9.05	12.9	41,700	28,700	10.39	16.4	47,900	30,600	11.93	20.9	
	50	22,800	21,400	5.67	5.6	26,700	22,900	6.65	7.4	31,300	24,400	7.79	9.8	36,700	26,000	9.16	12.9	
	40	39,100	30,300	9.72	16.7	44,400	32,000	11.05	21.0	50,500	33,800	12.55	26.2	56,800	35,600	14.12	32.2	
42CFS012W3	45	29,800	26,000	7.41	10.2	34,300	27,500	8.55	13.1	39,600	29,200	9.85	16.8	45,500	31,000	11.33	21.5	
	50	22,100	21,800	5.51	6.0	25,300	23,400	6.32	7.6	29,400	24,900	7.32	9.8	34,300	26,500	8.56	12.9	
	40	46,600	34,400	11.58	20.3	53,100	36,500	13.19	25.5	59,900	38,600	14.90	31.6	67,000	40,800	16.67	38.5	
42CFS012W4	45	35,600	29,400	8.86	12.4	41,400	31,300	10.31	16.2	47,600	33,200	11.84	20.7	54,600	35,400	13.60	26.3	
	50	26,100	24,900	6.51	7.1	30,400	26,500	7.57	9.3	35,500	28,200	8.85	12.2	41,700	30,200	10.40	16.1	
	40	44,900	35,100	11.16	8.6	51,400	37,100	12.77	10.9	58,400	39,300	14.53	13.7	65,800	41,400	16.36	16.9	
42CFS014W3	45	34,200	30,100	8.51	5.3	39,700	32,000	9.89	6.8	45,500	33,900	11.32	8.7	52,700	36,000	13.12	11.2	
	50	25,500	25,400	6.35	3.1	29,300	27,300	7.30	4.0	33,900	29,000	8.44	5.1	39,700	30,900	9.90	6.7	
	40	53,900	39,800	13.40	22.2	61,500	42,200	15.29	27.9	69,300	44,700	17.24	34.5	77,500	47,100	19.28	41.9	
42CFS014W4	45	41,300	34,000	10.29	13.7	48,000	36,300	11.95	17.7	55,100	38,500	13.73	22.6	63,300	40,900	15.77	28.8	
	50	30,200	28,800	7.53	7.8	35,200	30,700	8.79	10.2	41,200	32,700	10.28	13.4	48,400	34,900	12.06	17.7	
	40	52,100	40,700	12.96	11.2	59,400	43,000	14.78	14.1	67,600	45,500	16.82	17.7	76,200	48,000	18.95	21.8	
42CFS016W3	45	39,600	34,900	9.86	6.8	46,000	37,100	11.45	8.8	52,600	39,200	13.10	11.2	60,900	41,700	15.17	14.5	
	50	29,500	29,400	7.35	4.0	33,900	31,600	8.46	5.1	39,200	33,600	9.77	6.6	46,000	35,800	11.47	8.7	
	40	59,400	44,400	14.76	18.4	67,400	47,000	16.76	22.9	76,300	49,800	18.98	28.5	85,600	52,500	21.28	34.9	
42CFS016W4	45	45,300	38,000	11.28	11.2	52,300	40,400	13.03	14.5	60,300	42,900	15.03	18.6	69,200	45,600	17.25	23.6	
	50	32,200	32,000	8.27	6.4	38,400	34,300	9.58	6.3	44,500	38,500	11.20	10.9	52,700	39,500	13.13	14.4	
	40	65,200	50,800	16.23	19.2	74,600	53,700	18.55	24.2	84,700	56,800	21.06	30.3	95,200	59,900	23.68	37.2	
42CFS020W3	45	49,800	43,600	12.40	11.7	57,700	46,400	14.37	15.2	66,100	49,000	16.47	19.3	76,400	52,000	19.04	24.8	
	50	37,000	36,800	9.24	6.9	42,600	39,500	10.61	8.8	49,300	42,000	12.30	11.3	57,700	44,700	14.39	14.9	
	40	72,200	54,500	17.96	13.9	82,100	57,700	20.43	17.3	93,000	61,100	23.14	21.6	104,400	64,400	25.97	26.4	
42CFS020W4	45	55,000	46,700	13.70	8.5	63,800	49,600	15.90	11.0	73,100	52,500	18.21	13.9	84,400	55,900	21.03	17.9	
	50	40,600	39,500	10.13	4.9	46,800	42,100	11.68	6.3	54,400	44,800	13.57	8.2	64,100	47,800	16.00	10.9	
	40	12,730	9,990	2.54	13.5	14,600	10,550	2.91	17.2	16,630	11,160	3.31	21.6	18,730	11,760	3.73	26.7	
42CFS004W2	45	9,800	8,600	1.96	8.4	11,180	9,080	2.23	10.6	12,730	9,530	2.56	13.3	14,850	10,150	2.86	17.4	
	50	7,260	7,260	1.45	4.9	8,210	7,690	1.64	6.1	9,590	8,200	1.92	8.0	10,990	8,640	2.20	10.1	
	40	15,730	11,650	3.13	9.7	17,920	12,340	3.57	12.2	20,290	13,070	4.04	15.1	22,740	13,790	4.53	18.4	
42CFS004W3	45	11,990	9,940	2.39	5.9	13,900	10,560	2.77	7.7	15,890	11,150	3.17	9.7	18,310	11,860	3.65	12.4	
	50	8,730	8,380	1.74	3.4	10,080	8,910	2.01	4.3	11,830	9,450	2.36	5.7	13,830	10,050	2.76	7.5	
	40	17,780	14,380	3.54	9.2	20,220	15,150	4.03	11.5	23,070	15,970	4.60	14.5	26,160	16,840	5.21	18.0	
42CFS006W2	45	13,590	12,350	2.71	5.6	15,580	13,080	3.11	7.2	17,780	13,780	3.55	9.0	20,330	14,480	4.06	11.4	
	50	10,220	10,220	2.04	3.4	11,450	11,120	2.29	4.1	13,250	11,770	2.65	5.3	15,350	12,490	3.07	6.8	
	40	20,870	16,010	4.16	8.5	23,740	16,890	4.73	10.7	27,010	17,870	5.38	13.4	30,370	18,830	6.05	16.4	
42CFS006W3	45	15,810	13,670	3.16	5.2	18,380	14,530	3.67	6.7	21,010	15,330	4.19	8.5	24,170	16,220	4.82	10.8	
	50	11,700	11,560	2.34	3.1	13,470	12,320	2.6										

Performance data

MODEL	Entering Chilled Water Temp. F	Water Temp Rise F	Entering Air Temp (Fdb / Fwb)															
			76 / 63				78 / 65				80 / 67				82 / 69			
			Total Capacity btu/h	Sensible Capacity btu/h	Chilled Water Flowrate gpm	Water Pressure Drop ft.wg.	Total Capacity btu/h	Sensible Capacity btu/h	Chilled Water Flowrate gpm	Water Pressure Drop ft.wg.	Total Capacity btu/h	Sensible Capacity btu/h	Chilled Water Flowrate gpm	Water Pressure Drop ft.wg.	Total Capacity btu/h	Sensible Capacity btu/h	Chilled Water Flowrate gpm	Water Pressure Drop ft.wg.
42CFS004W2	40		10,500	8,900	1.39	4.7	11,900	9,400	1.58	5.9	13,500	9,900	1.79	7.3	15,800	10,500	2.07	9.4
	45		7,700	7,500	1.02	2.6	9,000	8,000	1.19	3.6	10,400	8,600	1.38	4.6	11,900	9,000	1.57	5.7
	50		5,700	5,700	0.76	1.5	6,600	6,600	0.87	1.9	7,400	7,200	0.99	2.5	8,800	7,700	1.17	3.4
42CFS004W3	40		13,000	10,300	1.72	3.3	15,000	11,100	1.99	4.4	17,100	11,700	2.26	5.4	19,500	12,400	2.59	6.9
	45		9,600	8,700	1.27	1.8	11,100	9,300	1.47	2.4	13,100	10,000	1.73	3.4	15,200	10,600	2.01	4.3
	50		7,000	7,000	0.92	1.0	7,900	7,800	1.05	1.3	9,400	8,400	1.24	1.7	10,900	8,900	1.45	2.4
42CFS006W2	40		14,100	12,500	1.87	3.0	16,200	13,300	2.14	3.8	18,400	14,000	2.43	4.7	21,000	14,800	2.78	5.9
	45		10,500	10,400	1.39	1.7	12,000	11,300	1.59	2.2	14,000	12,000	1.85	2.9	16,200	12,800	2.14	3.7
	50		7,500	7,500	1.00	0.9	8,800	8,800	1.17	1.2	10,100	10,000	1.34	1.6	11,700	10,900	1.55	2.1
42CFS006W3	40		16,900	14,100	2.23	2.8	19,600	15,000	2.60	3.8	22,300	15,900	2.96	4.7	25,400	16,800	3.37	5.9
	45		12,600	11,900	1.66	1.6	14,500	12,800	1.93	2.1	16,900	13,600	2.24	2.8	19,800	14,500	2.62	3.7
	50		9,200	9,200	1.21	0.8	10,500	10,400	1.40	1.1	12,200	11,400	1.62	1.5	14,300	12,300	1.89	2.0
42CFS008W3	40		20,400	17,500	2.71	4.0	23,800	18,700	3.13	5.2	26,900	19,800	3.57	6.5	30,500	20,800	4.04	8.0
	45		15,300	14,800	2.03	2.3	17,700	15,900	2.35	3.1	20,300	16,900	2.69	3.9	23,600	18,000	3.14	5.1
	50		11,200	11,200	1.49	1.3	12,900	12,900	1.72	1.7	14,900	14,200	1.97	2.2	17,400	15,300	2.30	2.9
42CFS008W4	40		24,100	19,700	3.20	3.9	27,800	21,000	3.69	4.9	31,700	22,200	4.21	6.2	36,200	23,600	4.80	7.8
	45		17,800	16,600	2.36	2.1	20,800	17,800	2.76	2.9	24,000	18,900	3.19	3.8	28,000	20,200	3.72	4.9
	50		12,900	12,900	1.72	1.1	14,900	14,600	1.97	1.5	17,300	15,900	2.30	2.0	20,400	17,100	2.71	2.8
42CFS010W3	40		25,400	21,900	3.37	2.6	29,100	23,300	3.86	3.3	33,400	24,700	4.43	4.2	38,300	26,200	5.09	5.3
	45		18,700	18,200	2.49	1.4	21,700	19,700	2.88	1.9	25,300	21,100	3.36	2.5	29,100	22,400	3.86	3.3
	50		13,400	13,400	1.78	0.7	15,600	15,600	2.07	1.0	18,100	17,500	2.41	1.3	21,200	18,900	2.82	1.8
42CFS010W4	40		31,300	25,300	4.16	3.3	36,000	26,800	4.78	4.3	41,500	28,600	5.50	5.5	47,000	30,300	6.24	6.8
	45		23,100	21,300	3.07	1.8	26,900	22,800	3.57	2.5	31,200	24,300	4.15	3.3	36,400	25,900	4.84	4.3
	50		16,700	16,700	2.21	1.0	19,200	18,800	2.55	1.3	22,500	20,400	2.99	1.7	26,400	21,800	3.52	2.4
42CFS012W3	40		28,600	25,100	3.80	3.2	32,700	26,700	4.34	4.1	37,400	28,200	4.97	5.1	42,900	29,900	5.69	6.5
	45		21,300	20,800	2.83	1.8	24,500	22,600	3.25	2.4	28,300	24,200	3.77	3.1	32,600	25,700	4.33	4.0
	50		15,200	15,200	2.02	0.8	17,800	17,800	2.36	1.3	20,500	20,000	2.73	1.7	23,900	21,700	3.18	2.3
42CFS012W4	40		35,600	29,200	4.73	4.2	40,800	31,000	5.41	5.3	46,900	32,900	6.22	6.8	53,300	34,900	7.07	8.5
	45		26,400	24,700	3.51	2.4	30,500	26,300	4.05	3.2	35,500	28,100	4.72	4.1	41,000	29,800	5.45	5.3
	50		19,100	19,100	2.54	1.3	22,000	21,700	2.92	1.7	25,700	23,600	3.41	2.3	30,000	25,300	3.98	3.0
42CFS014W3	40		31,800	28,700	4.23	1.5	36,600	30,500	4.86	2.0	42,600	32,600	5.66	2.7	48,800	34,500	6.47	3.3
	45		23,800	23,800	3.16	0.8	27,300	25,800	3.62	1.1	31,400	27,700	4.17	1.5	36,900	29,600	4.90	2.0
	50		17,000	17,000	2.26	0.4	20,000	20,000	2.66	0.6	22,900	22,800	3.04	0.8	26,700	24,800	3.55	1.0
42CFS014W4	40		41,600	34,100	5.53	4.7	47,900	36,100	6.35	5.9	54,800	38,400	7.27	7.5	62,100	40,500	8.24	9.3
	45		30,900	28,800	4.11	2.7	35,900	30,800	4.78	3.6	41,500	32,700	5.52	4.6	48,200	34,800	6.41	5.9
	50		22,600	22,600	3.00	1.4	25,900	25,500	3.44	1.9	30,100	27,600	4.00	2.5	35,300	29,500	4.70	3.4
42CFS016W3	40		37,200	33,500	4.94	2.0	42,800	35,500	5.68	2.7	49,500	37,800	6.57	3.4	56,300	39,900	7.47	4.2
	45		27,700	27,700	3.68	1.1	31,800	30,000	4.23	1.5	36,700	32,200	4.88	2.0	42,900	34,300	5.71	2.6
	50		19,800	19,800	2.64	0.6	23,300	23,300	3.10	0.8	26,700	26,600	3.55	1.0	31,200	29,000	4.15	1.4
42CFS016W4	40		44,300	37,300	5.88	3.7	50,900	39,600	6.75	4.6	58,200	42,000	7.73	5.9	66,800	44,500	8.85	7.4
	45		32,800	31,300	4.36	2.1	38,000	33,700	5.05	2.7	44,200	35,900	5.87	3.6	51,000	38,100	6.78	4.6
	50		23,600	23,600	3.14	1.1	27,500	27,200	3.65	1.4	31,900	30,000	4.24	1.9	37,200	32,300	4.95	2.6
42CFS020W3	40		48,000	42,400	6.37	3.7	55,000	44,900	7.30	4.7	63,000	47,600	8.37	5.9	71,500	50,200	9.50	7.4
	45		35,900	35,500	4.78	2.2	41,500	38,300	5.52	2.8	47,400	40,800	6.31	3.6	55,000	43,300	7.31	4.6
	50		26,200	26,200	3.48	1.2	30,400	30,400	4.05	1.6	34,800	34,100	4.63	2.1	40,500	36,800	5.39	2.7
42CFS020W4	40		53,600	45,700	7.11	2.7	61,300	48,400	8.15	3.5	70,800	51,500	9.40	4.4	80,600	54,500	10.70	5.5
	45		39,600	38,200	5.27	1.5	45,500	41,100	6.05	2.7	53,400	41,600	7.10	2.7	61,600	46,700	8.20	3.4
	50		28,800	28,800	3.82	0.8	33,300	33,300	4.43	1.1	38,500	36,700	5.13	1.4	44,700	39,600	5.95	1.9

REMARK (*) Ent./Lvg. Water Temp. at 40 / 50 °F
Ent./Lvg. Water Temp. at 45 / 55 °F
Ent./Lvg. Water Temp. at 50 / 60 °F

Model number nomenclature

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Digit Number

4 2 C F S 0 0 4 W 2 1 0 R O

Standard Unit

42CFS - "Carrier" Fan Coil Unit Model

Size/Nominal Air Flow
004 = 400 CFM 012 = 1,200 CFM
006 = 600 CFM 014 = 1,400 CFM
008 = 800 CFM 016 = 1,600 CFM
010 = 1,000 CFM 020 = 2,000 CFM

Coil Type
W - Chilled Water Coil

Casing Options
O = Without Return Plenum (Standard)
P = With Return Plenum and Filter (option)
E = With Cabinet (option)

Coil Connecting
R = Right Hand
L = Left Hand

Motor
0 = Standard with AC motor
1 = With VSD motor (option)
2 = With DC motor (option)
4 = Ac Motor, UVC Lamp (option)
5 = VSD Motor, UVC Lamp (option)
6 = DC Motor, UVC Lamp (option)

Power supply
1 = 220v / 1Ph / 50Hz.
3 = 380v / 3Ph / 50Hz.

CoilRow
2 = 2 Rows
3 = 3 Rows
4 = 4 Rows

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

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

YOUR CARRIER MAN :

