



AQUAS

Water Coil

*Chilled Water Fan Coil
Convertible Type
400-2,000 CFM
CFEB Series 50/60 Hz*





AQUAS - Richness of Comfort

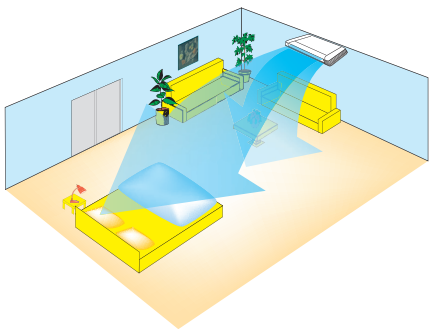


Trane's new Chilled Water Fan Coils cooling comfort, with luxurious design, state of the art technology and long life durability AQUAS Water Coil with optional digital wired control or LCD wireless control, is easily to use and allows precise room temperature control. WCVS-SB_Feb09 Hi-Res48

With advanced manufacturing techniques, Trane's AQUAS Chilled Water Fan Coil is the perfect product for your modern lifestyle.



Vertical Airflow Circulation



Horizontal Airflow Circulation



Flexibility

AQUAS's convertible design allows for flexibility in installation. AQUAS may be installed under the ceiling, low on the wall, or on the floor, depending on the space available in your room.

Quality

All major components are individually inspected and tested, and every unit undergoes a run-test, prior to shipment from the factory.

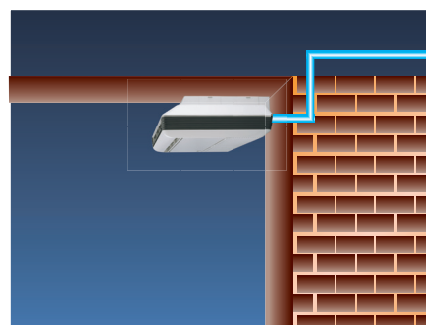
Comfort and Reliability

- Full Capacity and Energy Savings.
- Washable Filter.
- Low Maintenance.
- Attractive Style.
- 2-directional Air Discharge.
- Effective Air Discharge.
- Low Operating Noise.
- **Power Failure Recovery** saves settings during a power failure and restarts the system automatically when power resumes.

One Touch Control Switch



Drain Pump Application



Optional accessories

		Water Temperature Rise (F)															
Unit Size	EWT (F)	8				10				12				15			
		TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD
04	40	16.58	10.99	4.13	17.95	15.55	10.53	3.10	10.83	14.41	10.03	2.39	6.88	12.53	9.23	1.67	3.64
	45	13.14	9.48	3.27	11.74	12.04	9.03	2.40	6.82	10.94	8.58	1.82	4.18	9.21	7.90	1.22	2.10
	50	9.67	8.09	2.41	6.77	8.75	7.73	1.75	3.85	7.83	7.38	1.30	2.31	6.38	6.32	0.85	1.10
06	40	24.87	16.39	6.19	17.97	23.35	15.69	4.65	10.85	21.65	14.93	3.59	6.90	18.76	13.70	2.49	3.63
	45	19.75	14.11	4.92	11.78	18.06	13.41	3.60	6.81	16.36	12.72	2.72	4.16	13.71	11.67	1.82	2.07
	50	14.47	11.97	3.61	6.74	13.05	11.43	2.60	3.81	11.64	10.89	1.94	2.27	9.43	9.34	1.26	1.26
08	40	34.00	22.32	8.46	40.75	32.15	16.10	6.40	24.89	30.16	20.58	5.01	16.13	26.93	19.17	3.58	8.92
	45	27.14	19.27	6.76	26.96	25.09	18.41	5.00	15.68	23.15	17.60	3.85	9.99	20.20	16.43	2.69	5.32
	50	20.04	16.36	5.00	15.59	18.39	15.72	3.67	9.07	16.78	15.11	2.79	5.62	14.36	14.21	1.91	2.90
10	40	42.25	27.84	10.52	18.27	39.65	26.66	7.90	1.03	36.73	25.37	6.10	7.00	31.70	23.22	4.21	3.66
	45	33.53	23.99	8.35	11.98	30.69	22.81	6.12	6.93	27.76	21.61	4.61	4.23	22.97	19.73	3.05	2.05
	50	24.62	20.37	6.14	6.87	22.18	19.43	4.43	3.88	36.73	25.37	6.10	7.00	15.43	15.27	2.05	1.02
12	40	50.18	32.72	12.49	33.28	47.48	31.47	9.46	20.37	44.58	30.15	7.40	13.22	39.39	27.94	5.25	7.22
	45	40.14	28.21	10.00	22.10	37.11	26.93	7.40	13.01	34.01	25.65	5.65	8.11	29.31	23.76	3.90	4.23
	50	29.50	23.83	7.35	12.69	26.93	22.82	5.37	7.32	24.38	21.86	4.05	4.47	20.47	20.40	2.72	2.23
14	40	57.67	38.08	14.36	38.10	54.32	36.56	10.82	23.12	50.77	34.98	8.43	14.88	45.05	32.54	5.98	8.14
	45	45.86	32.87	11.42	25.04	42.25	31.37	8.42	14.64	38.85	29.99	6.45	9.17	33.63	27.90	4.47	4.81
	50	33.80	27.98	8.43	14.44	30.93	26.87	6.17	8.36	28.12	25.81	4.68	5.14	23.75	23.70	3.16	2.59
16	40	68.23	45.08	16.99	36.08	64.28	43.28	12.80	21.90	60.06	41.42	9.97	14.09	53.39	38.56	7.09	7.73
	45	54.26	38.92	13.51	23.71	50.09	37.19	9.98	13.91	46.11	35.55	7.66	8.73	39.87	33.09	5.30	4.58
	50	40.13	33.17	10.00	13.76	36.76	31.87	7.33	7.98	33.40	30.61	5.55	4.90	28.08	27.93	3.74	2.45
20	40	82.62	54.40	20.57	30.50	77.82	52.21	15.50	18.51	72.69	49.93	12.07	11.91	64.01	46.18	8.50	6.43
	45	65.74	46.92	16.38	20.07	60.50	44.72	12.06	11.71	55.39	42.64	9.20	7.29	47.31	39.43	6.29	3.74
	50	48.35	39.84	12.05	11.54	44.08	38.19	8.79	6.64	39.76	36.54	6.61	4.03	32.83	32.53	4.37	1.95

Note: 1. Air Entering Coil Conditions are 80 FDB / 67 FWB
2. Cooling capacities are rated at nominal CFM (High Fan Speed)

TC = Total Gross Cooling Capacity, MBH
SC = Sensible Heat Capacity, MBH
GPM = Water Flow Rate, gpm
PD = Water Pressure Drop, Ft of Water
EWT = Entering Water Temperature, °F



Trane Unique Control
instantly bring all
comfort and
convenience
to your modern
lifestyle.



Wireless remote control



best suit your
needs with
new privileged
mode and
function, elegant
appearance,
and simple use.



Digital wired control

Luminous On/Off Button:
makes you easily on/off air
conditioner during night time
or the dark.

Light Button:
makes you easily use during
night time or the dark.

Send Button:
confirm or select unit operation
according to LCD display.

Front Blade Function:
allows for control of front air
flow direction and helps
room air circulation.

Louver Function:
allows you control 5 levels
air flow direction of top
discharge.

*Function and buttons above are
available only for Wireless remote control.

Powercool (Turbo) Mode:
provides quick convenient
cooling capacity. (Turbo Mode
for digital wired control)

Sleep Mode:
provides more comfort with
automatically appropriate room
temperature adjustment during
your rest.

Econo Mode:
provides more energy saving
with high efficient cooling
capacity.

Dry Mode:
provides effective humidity
reduction with high efficient
cooling capacity.

Sweep Function:
helps provide better
efficient air distribution
and circulation.

Mode of Operation:
allows you control the
operating modes: Fan, Cool,
Dry.

Fan Speed:
continuously provides cool air
flow with 4 fan levels: High,
Medium, Low, and Auto.

Temperature Setting:
set temperature range is from
15 °C to 30 °C.

**24 Hours Programmable
Timer:**
Users can select on/off time
of the unit as real time.

Illuminating LCD Display:
lightens up when press any
buttons for digital wired control,
but from 1800 to 0600 hrs for
wireless remote control.

- Provides precise temperature
and no batteries required!
(Digital wired control only).

Note: Front Blade, Louver, and Sweep function are
optional features.

GENERAL DATA 50 Hz Product Specifications

UNIT MODELS		CFEB04C0	CFEB06C0	CFEB08C0	CFEB10C0	CFEB12C0	CFEB14C0	CFEB16C0	CFEB20C0
POWER CONNECTION	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
MCA¹	A	0.50	0.48	0.78	1.04	1.04	1.67	1.71	1.71
SYSTEM DATA									
Airflow (Hi/Med/Lo) ²	cfm	425 / 360 / 275	425 / 360 / 275	600 / 500 / 400	800 / 700 / 550	875 / 750 / 650	1200 / 1000 / 875	1350 / 1100 / 900	1350 / 1100 / 900
	cmh	722 / 612 / 467	722 / 612 / 467	1019 / 850 / 680	1359 / 1189 / 934	1487 / 1274 / 1104	2039 / 1699 / 1487	2294 / 1869 / 1529	2294 / 1869 / 1529
Water Outlet Connection Size	in (mm)	1/2 (12.7)	1/2 (12.7)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
Water Inlet Connection Size	in (mm)	1/2 (12.7)	1/2 (12.7)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
Water Connection Type		Male adapter	Male adapter	Male adapter	Male adapter	Male adapter	Male adapter	Male adapter	Male adapter
COIL									
Face Area	sq ft (m ²)	2.08 (0.19)	2.08 (0.19)	2.73 (0.25)	3.42 (0.32)	3.45 (0.32)	4.13 (0.38)	4.82 (0.45)	4.82 (0.45)
Tube Size OD	in (mm)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)
Rows		2	3	3	3	4	3	3	4
Fin Type		Slit/Coated	Slit/Coated	Slit/Coated	Slit/Coated	Slit/Coated	Slit/Coated	Slit/Coated	Slit/Coated
Fins per inch		12	16	14	16	16	16	15	16
Drain Connection Size	in (mm)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
FAN									
Fan Type		FCC	FCC	FCC	FCC	FCC	FCC	FCC	FCC
No. used		2	2	2	4	4	4	4	4
Diameter	in (mm)	6 (152)	6 (152)	6 (152)	6 (152)	6 (152)	6 (152)	6 (152)	6 (152)
Width	in (mm)	7 (178)	7 (178)	9 (229)	7 (178)	7 (178)	9 (229)	9 (229)	9 (229)
Drive Type		Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
MOTOR									
Motor Type		PSC	PSC	PSC	PSC	PSC	PSC	PSC	PSC
No. of Motor		1	1	1	2	2	2	2	2
Motor hp	hp (kW)	1/20 (0.035)	1/15 (0.041)	1/8 (0.080)	1/10 (0.054)	1/10 (0.054)	1/10 (0.060)	1/10 (0.060)	1/10 (0.060)
No. of Speed		3	3	3	3	3	3	3	3
Motor Speed	rpm	1075 / 910 / 755	1200 / 1030 / 875	1215 / 975 / 845	1300 / 1200 / 1100	1300 / 1200 / 1100	1400 / 1150 / 950	1400 / 1200 / 1050	1400 / 1200 / 1050
V/ph/Hz		220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50
RLA/LRA		0.40 / 0.54	0.39 / 0.53	0.62 / 1.41	0.46 / 0.71	0.46 / 0.71	0.74 / 1.60	0.76 / 1.69	0.76 / 1.69
FILTER									
Type		Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene
No. used		2	2	3	4	4	11	13	13
No. used per size (WxLxD)	mm	2 - 207 x 440 x 16.8	2 - 207 x 440 x 16.8	1 - 207 x 250 x 16.8 2 - 207 x 440 x 16.8	2 - 207 x 250 x 16.8 2 - 207 x 440 x 16.8	2 - 207 x 250 x 16.8 2 - 207 x 440 x 16.8	3 - 207 x 250 x 16.8 2 - 207 x 440 x 16.8 6 - 160 x 210 x 10.0	3 - 207 x 250 x 16.8 2 - 207 x 440 x 16.8 7 - 160 x 210 x 10.0	3 - 207 x 250 x 16.8 2 - 207 x 440 x 16.8 7 - 160 x 210 x 10.0
DIMENSION (HxWxD)									
Crated (Shipping)	mm	692 x 1,143 x 278	692 x 1,143 x 278	692 x 1,391 x 278	692 x 1,641 x 278	692 x 1,641 x 278	692 x 1,886 x 278	692 x 2,137 x 278	692 x 2,137 x 278
Uncrated (Net)	mm	627 x 1,074 x 234	627 x 1,074 x 234	627 x 1,324 x 234	627 x 1,574 x 234	627 x 1,574 x 234	627 x 1,824 x 234	627 x 2,074 x 234	627 x 2,074 x 234
WEIGHT									
Crated (Shipping)	lb (kg)								
Without electric heater		75 (34)	81 (37)	99 (45)	130 (59)	134 (61)	150 (68)	181 (82)	189 (86)
Uncrated (Net)	lb (kg)								
Without electric heater		69 (31)	75 (34)	88 (40)	119 (54)	123 (56)	134 (61)	166 (75)	172 (78)

¹ MCA - Minimum Circuit Ampacity ; calculated as follow : 125% of the fan motor R.L Amps.
² CFM is rated with standard air-dry coil.

GENERAL DATA 60 Hz Product Specifications

UNIT MODELS		CFEB04C0	CFEB06C0	CFEB08C0	CFEB10C0	CFEB12C0	CFEB14C0	CFEB16C0	CFEB20C0
POWER CONNECTION	V/ph/Hz	200-240/1/60	200-240/1/60	200-240/1/60	200-240/1/60	200-240/1/60	200-240/1/60	200-240/1/60	200-240/1/60
MCA¹	A	0.61	0.70	0.70	1.33	1.33	1.67	1.58	1.58
SYSTEM DATA									
Airflow (Hi/Med/Lo) ²	cfm	425 / 360 / 275	425 / 360 / 275	600 / 500 / 400	800 / 700 / 550	875 / 750 / 650	1200 / 1000 / 875	1350 / 1100 / 900	1350 / 1100 / 900
	cmh	722 / 612 / 467	722 / 612 / 467	1019 / 850 / 680	1359 / 1189 / 934	1487 / 1274 / 1104	2039 / 1699 / 1487	2294 / 1869 / 1529	2294 / 1869 / 1529
Water Outlet Connection Size	in (mm)	1/2 (12.7)	1/2 (12.7)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
Water Inlet Connection Size	in (mm)	1/2 (12.7)	1/2 (12.7)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
Water Connection Type		Male adapter	Male adapter	Male adapter	Male adapter	Male adapter	Male adapter	Male adapter	Male adapter
COIL									
Face Area	sq ft (m ²)	2.08 (0.19)	2.08 (0.19)	2.73 (0.25)	3.42 (0.32)	3.45 (0.32)	4.13 (0.38)	4.82 (0.45)	4.82 (0.45)
Tube Size OD	in (mm)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)
Rows		2	3	3	3	4	3	3	4
Fin Type		Slit/Coated	Slit/Coated	Slit/Coated	Slit/Coated	Slit/Coated	Slit/Coated	Slit/Coated	Slit/Coated
Fins per inch		12	16	14	16	16	16	15	16
Drain Connection Size	in (mm)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)
FAN									
Fan Type		FCC	FCC	FCC	FCC	FCC	FCC	FCC	FCC
No. used		2	2	2	4	4	4	4	4
Diameter	in (mm)	6 (152)	6 (152)	6 (152)	6 (152)	6 (152)	6 (152)	6 (152)	6 (152)
Width	in (mm)	7 (178)	7 (178)	9 (229)	7 (178)	7 (178)	9 (229)	9 (229)	9 (229)
Drive Type		Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
MOTOR									
Motor Type		PSC	PSC	PSC	PSC	PSC	PSC	PSC	PSC
No. of Motor		1	1	1	2	2	2	2	2
Motor hp	hp (kW)	1/20 (0.035)	1/15 (0.040)	1/10 (0.065)	1/15 (0.043)	1/15 (0.043)	1/10 (0.063)	1/10 (0.057)	1/10 (0.057)
No. of Speed		3	3	3	3	3	3	3	3
Motor Speed	rpm	1080 / 950 / 750	1150 / 1000 / 850	1200 / 950 / 800	1350 / 1200 / 1100	1350 / 1200 / 1100	1400 / 1150 / 950	1400 / 1200 / 1050	1400 / 1200 / 1050
V/ph/Hz		220/1/60	220/1/60	220/1/60	220/1/60	220/1/60	220/1/60	220/1/60	220/1/60
RLA/LRA		0.49 / 0.53	0.56 / 0.62	0.56 / 0.69	0.59 / 0.79	0.59 / 0.79	0.74 / 1.14	0.70 / 1.10	0.70 / 1.10
FILTER									
Type		Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene
No. used		2	2	3	4	4	11	13	13
No. used per size (WxLxD)	mm	2 - 207 x 440 x 16.8	2 - 207 x 440 x 16.8	1 - 207 x 250 x 16.8 2 - 207 x 440 x 16.8	2 - 207 x 250 x 16.8 2 - 207 x 440 x 16.8	2 - 207 x 250 x 16.8 2 - 207 x 440 x 16.8	2 - 207 x 250 x 16.8 2 - 207 x 440 x 16.8	4 - 207 x 250 x 16.8 2 - 207 x 440 x 16.8 7 - 160 x 210 x 10.0	4 - 207 x 250 x 16.8 2 - 207 x 440 x 16.8 7 - 160 x 210 x 10.0
DIMENSION (HxWxD)									
Crated (Shipping)	mm	692 x 1,143 x 278	692 x 1,143 x 278	692 x 1,391 x 278	692 x 1,641 x 278	692 x 1,641 x 278	692 x 1,886 x 278	692 x 2,137 x 278	692 x 2,137 x 278
Uncrated (Net)	mm	627 x 1,074 x 234	627 x 1,074 x 234	627 x 1,324 x 234	627 x 1,574 x 234	627 x 1,574 x 234	627 x 1,824 x 234	627 x 2,074 x 234	627 x 2,074 x 234
WEIGHT									
Crated (Shipping)	lb (kg)								
Without electric heater		75 (34)	81 (37)	99 (45)	130 (59)	134 (61)	150 (68)	181 (82)	189 (86)
Uncrated (Net)	lb (kg)								
Without electric heater		69 (31)	75 (34)	88 (40)	119 (54)	123 (56)	134 (61)	166 (75)	172 (78)

¹ MCA - Minimum Circuit Ampacity ; calculated as follow : 125% of heater R.L Amps plus the fan motor R.L Amps.
² CFM is rated with standard air-dry coil.



Literature Order Number: UNT-SLB024-EN
 Date: Nov 2009
 Supersedes: New
 Stocking Location: Bangkok, Thailand

Trane
 www.trane.com

For mor information, contact your local district office

Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.