

AQUASTYLUS

Water Coil

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



005





AQUASTYLUS™ - *Simply The Best Value!*



Trane's new Aquastylus Chilled Water Fan Coils move you to new heights of cooling or cooling/heating comfort, with luxurious design, state of the art technology and long life durability. Aquastylus Water Coil with optional wired control or LCD wireless remote control, is easily to use and allows precise room temperature control.

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

Comfort and Reliability

- Full Capacity and Energy Savings.
- Washable Filter.
- Low Maintenance.
- Attractive Style.
- Effective Air Discharge.
- **Optional Control Valve**
2 way and 3 way valve are available for CFEA04-12.
- **Optional Electric Heater and Optional Hot Water Coil**
offers a better selection of the right unit to meet your needs.
- **Power Failure Recovery**
saves settings during a power failure and restarts the system automatically when power resumes.

Flexibility

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



Convenience

One Touch Control Switch operates the system without the handheld remote control.

Performance Data CFEA 04-20

Unit Size	EWT Degree F	Water Temperature							
		8				10			
		TC	SC	GPM	PD	TC	SC	GPM	PD
04	40	16.93	11.19	4.22	15.36	15.81	10.69	3.81	15.36
	45	13.34	9.61	3.33	9.96	12.07	9.09	2.94	9.96
	50	9.59	8.10	2.39	5.51	8.54	7.71	1.96	5.51
06	40	24.10	15.39	6.01	14.01	22.91	14.74	4.41	14.01
	45	19.43	13.14	4.85	9.46	18.09	12.55	3.31	9.46
	50	14.47	11.03	3.61	5.57	13.10	10.48	2.51	5.57
08	40	32.24	20.53	8.04	30.58	30.77	19.82	6.01	30.58
	45	26.03	17.64	6.49	20.68	24.40	16.92	4.41	20.68
	50	19.43	14.83	4.85	12.21	17.86	14.21	3.31	12.21
10	40	40.26	25.76	10.03	13.84	38.22	24.64	7.01	13.84
	45	32.43	21.98	8.09	9.32	30.13	20.97	6.01	9.32
	50	24.11	18.46	6.02	5.48	21.73	17.50	4.41	5.48
12	40	46.24	28.95	11.53	23.74	44.62	28.14	8.01	23.74
	45	37.87	24.93	9.45	16.47	36.01	24.09	7.01	16.47
	50	28.80	20.94	7.19	10.05	26.73	20.09	5.51	10.05
14	40	55.87	35.96	13.93	29.68	53.19	34.40	10.01	29.68
	45	45.02	30.67	11.23	20.01	42.15	29.42	8.01	20.01
	50	33.66	25.87	8.40	11.84	30.93	24.78	6.01	11.84
16	40	64.13	41.56	15.99	26.68	60.93	39.60	12.01	26.68
	45	51.54	35.33	12.86	17.90	48.11	33.85	9.01	17.90
	50	38.41	29.82	9.59	10.53	35.17	28.54	7.01	10.53
20	40	74.43	46.99	18.55	20.92	71.30	45.48	14.01	20.92
	45	60.52	40.39	15.09	14.33	57.09	38.84	11.01	14.33
	50	45.70	33.99	11.40	8.64	42.03	32.50	8.01	8.64

- Notes:**
1. Air Entering Coil Conditions are 80/67 in FDB/FWB
 2. Cooling capacities are rated at nominal CFM (Hi Fan Speed)
 3. EWT = Entering Water Temp (F)





Quality

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



Wired Control

With your choice of an easy- to-use wireless remote control, or an optional wired control, Aquastylus offers convenience and flexibility to best suit your needs.



LCD Wireless Remote Control

- User Friendly
- Luminous temp up and down buttons
- Luminous clock button
- LCD Display will lighten up when press any buttons from 1800 hrs to 0600 hrs

Temperature Rise (F)									
		12				15			
PM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD
15	9.21	14.57	10.14	2.42	5.79	12.38	9.21	1.65	2.95
41	5.66	10.78	8.57	1.79	3.37	8.79	7.80	1.17	1.60
70	3.05	7.51	7.32	1.25	1.77	5.89	5.80	0.78	0.79
57	8.65	21.53	14.09	3.58	5.63	19.05	12.97	2.53	3.08
61	5.64	16.56	11.89	2.75	3.51	13.90	10.80	1.85	1.75
62	3.17	11.63	9.90	1.93	1.87	9.20	8.99	1.23	0.85
14	19.02	29.16	19.06	4.85	12.54	26.42	17.81	3.51	7.13
87	12.47	22.66	16.18	3.77	7.96	19.79	14.98	2.63	4.24
57	7.13	16.23	13.57	2.70	4.39	13.69	12.60	1.82	2.21
62	8.53	35.82	23.51	5.95	5.53	31.40	21.52	4.18	2.97
01	5.54	27.43	19.82	4.56	3.42	22.50	17.80	3.00	1.64
34	3.09	19.06	16.46	3.17	1.79	13.69	13.69	1.82	0.68
90	15.06	42.76	27.23	7.11	10.14	39.33	25.61	5.23	5.92
19	10.19	33.82	23.11	5.63	6.63	29.80	21.36	3.97	3.59
34	5.97	24.37	19.13	4.06	3.69	20.35	17.56	2.71	1.83
61	18.36	50.30	33.05	8.36	12.07	45.45	30.86	6.04	6.82
41	12.03	39.11	28.12	6.51	7.66	33.96	25.99	4.52	4.05
18	6.91	28.05	23.66	4.67	4.23	23.36	21.88	3.11	2.08
15	16.44	57.45	37.99	9.55	10.76	51.53	35.33	6.85	6.01
60	10.71	44.45	32.30	7.39	6.77	38.19	29.74	5.08	3.51
02	6.11	31.71	27.20	5.28	3.71	25.96	25.02	3.46	1.77
22	13.09	67.83	43.82	11.27	8.70	61.40	40.78	8.17	4.94
39	8.74	53.09	37.11	8.83	5.59	45.70	33.99	6.08	2.91
39	5.05	37.86	30.84	6.30	3.06	30.48	28.01	4.06	1.42

TC = Total Capacity, MBh
 SC = Sensible Capacity, MBh
 GPM = Water Flow, Gallon per Minute
 PD = Water Pressure Drop, ft of water

- Ensures that the control will not be lost.
- Provides precise temperature control with a system indicator that lights up when the system is operating and no batteries required!
- **Fan Speed:** allows for selection of one of four fan speeds: High, Medium, Low or Automatic.
- **Mode of Operation:** allows for selection of the operating mode: Fan, Cool, or Heat.
- **Temperature Setting:** between 15°C - 30°C.
- **15 Hour Programmable Timer:** allows you to preset the time for system operation, up to 15 hours in advance.
- **Sleep Mode:** automatic temperature adjustment for more comfortable sleeping conditions and energy savings.

- Provides maximum convenience.
- **Fan Speed:** allows for automatic control of four fan settings: High, Medium, Low, or Automatic.
- **Mode of Operation:** allows for selection of the operating mode: Fan, Cool, Dry, Heat, or Auto.
- **24-Hour Programmable Timer:** allows you to preset the time for system operation, up to 24 hours in advance.
- **Louver and Sweep Mode:** allows for control of the air flow direction and improved air circulation (sweep is available on the 12,000 to 24,000 Btu models only).
- **Sleep Mode:** automatic temperature adjustment for more comfortable sleeping conditions and energy savings.
- **Dry Mode:** controls humidity and maintains a constant temperature, while saving energy.

GENERAL DATA 50 Hz Product Specifications

UNIT MODELS		CFEA04C0 CFEA04CE ¹	CFEA06C0 CFEA06CF ¹	CFEA08C0 CFEA08CB ¹	CFEA10C0 CFEA10CH ¹	CFEA12C0 CFEA12CJ ¹	CFEA14C0 CFEA14CJ ¹	CFEA16C0 CFEA16CK ¹	CFEA20C0 CFEA20CL ¹	
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	
MCA ¹		A	11.85	14.75	20.58	24.12	30.10	30.10	35.73	41.48
SYSTEM DATA										
Airflow (Hi/Med/Low) 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)
ELECTRIC HEATER DATA										
Heater Rating		kW	2.0	2.5	3.5	4.0(2 elements)	5.0(2 elements)	5 (2 elements)	6 (2 elements)	7 (2 elements)
Heater RLA			9.1	11.4	15.9	18.2	22.7	22.7	27.2	31.8
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 (0.037)	1/20 (0.037)	1/10 (0.075)	1/20 (0.037)	1/10 (0.079)	1/10 (0.079)	1/10 (0.079)	1/10 (0.079)
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	1450/1300/1100	1450/1300/1100	1450/1300/1100	1450/1300/1100
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			0.38/0.51	0.40/0.58	0.56/0.69	0.55/0.85	0.69/2.28	0.69/2.28	0.69/2.28	0.69/2.28
FILTER										
Type			Vinyl	Vinyl	Vinyl	Vinyl	Vinyl	Vinyl	Vinyl	Vinyl
No. used			3	3	3	4	4	12	12	12
No. used per size (WxLxD)		mm	1-203x250x5 2-203x357x5	1-203x250x5 2-203x357x5	1-203x500x5 2-203x357x5	2-203x376x5 2-203x357x5	2-203x376x5 2-203x357x5	2-203x357x5 2-203x500x5 6-160x210x5	2-203x357x5 2-203x500x5 7-160x210x5	2-203x357x5 2-203x500x5 1-203x250x5 7-160x210x5
DIMENSION (HxWxD)										
Crated (Shipping)		mm	692x1143x278	692x1143x278	692x1391x278	692x1641x278	692x1641x278	692 x 1886 x 278	692 x 2137 x 278	692 x 2137 x 278
Uncrated (Net)		mm	627x1085x229	627x1085x229	627x1335x229	627x1585x229	627x1585x229	627x1835x229	627x2085x229	627x2085x229
WEIGHT										
Crated (Shipping)		lb (kg)								
Without electric heater			75(34)	81(37)	99(45)	130(59)	134(61)	150(68)	181(82)	189(86)
With electric heater			77(35)	83(38)	101(46)	134(61)	139(63)	154(70)	187(85)	196(89)
Uncrated (Net)		lb (kg)								
Without electric heater			69(31)	75(34)	88(40)	119(54)	123(56)	134(61)	166(75)	172(78)
With electric heater			71(32)	77(35)	90(41)	123(56)	128(58)	139(63)	172(78)	179(81)

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.

GENERAL DATA 60 Hz Product Specifications

UNIT MODELS		CFEA04C0 CFEA04CE1	CFEA06C0 CFEA06CF1	CFEA08C0 CFEA08CB1	CFEA10C0 CFEA10CH1	CFEA12C0 CFEA12CJ1	CFEA14C0 CFEA14CJ1	CFEA16C0 CFEA16CK1	CFEA20C0 CFEA20CL1
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
MCA1		A	11.99	14.95	20.79	24.23	30.20	30.20	35.83
SYSTEM DATA									
Airflow (Hi/Med/Low)2		cfm	425/360/275	425/360/275	600/500/400	800/700/550	875/750/650	1200/1000/875	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
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)
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)
Water Connection Type			Male adapter	Male adapter	Male adapter	Male adapter	Male adapter	Male adapter	Male adapter
COIL									
Face Area		sq ft (m²)	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)
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)
Rows			2	3	3	3	4	3	3
Fin Type			Slit/Coated	Slit/Coated	Slit/Coated	Slit/Coated	Slit/Coated	Slit/Coated	Slit/Coated
Fins per inch			12	16	14	16	16	16	15
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)
ELECTRIC HEATER DATA									
Heater Rating		kW	2.0	2.5	3.5	4.0(2 elements)	5.0(2 elements)	5 (2 elements)	6 (2 elements)
Heater RLA			9.1	11.4	15.9	18.2	22.7	22.7	27.2
FAN									
Fan Type			FCC	FCC	FCC	FCC	FCC	FCC	FCC
No. used			2	2	2	4	4	4	4
Diameter		in (mm)	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)
Drive Type			Direct	Direct	Direct	Direct	Direct	Direct	Direct
MOTOR									
Motor Type			PSC	PSC	PSC	PSC	PSC	PSC	PSC
No. of Motor			1	1	1	2	2	2	2
Motor hp		hp (kW)	1/20 (0.037)	1/15 (0.050)	1/10 (0.075)	1/15 (0.050)	1/10 (0.079)	1/10 (0.079)	1/10 (0.079)
No. of Speed			3	3	3	3	3	3	3
Motor Speed		rpm	1080/900/750	1150/1000/850	1200/950/800	1350/1200/1100	1450/1200/1100	1450/1200/1100	1450/1200/1100
V/ph/Hz			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	0.73/0.75	0.59/0.79	0.73/1.15	0.73/1.15	0.73/1.15
FILTER									
Type			Vinyl	Vinyl	Vinyl	Vinyl	Vinyl	Vinyl	Vinyl
No. used			3	3	3	4	4	10	12
No. used per size (WxLxD)		mm	1-203x250x5 2-203x357x5	1-203x250x5 2-203x357x5	1-203x500x5 2-203x357x5	2-203x376x5 2-203x357x5	2-203x376x5 2-203x357x5	2-203x357x5 2-203x500x5 6-160x210x5	2-203x357x5 2-203x500x5 1-203x250x5 7-160x210x5
DIMENSION (HxWxD)									
Crated (Shipping)		mm	692x1143x278	692x1143x278	692x1391x278	692x1641x278	692x1641x278	692 x 1886 x 278	692 x 2137 x 278
Uncrated (Net)		mm	627x1085x229	627x1085x229	627x1335x229	627x1585x229	627x1585x229	627x1835x229	627x2085x229
WEIGHT									
Crated (Shipping)		lb (kg)							
Without electric heater			75(34)	81(37)	99(45)	130(59)	134(61)	150(68)	181(82)
With electric heater			77(35)	83(38)	101(46)	134(61)	139(63)	154(70)	187(85)
Uncrated (Net)		lb (kg)							
Without electric heater			69(31)	75(34)	88(40)	119(54)	123(56)	134(61)	166(75)
With electric heater			71(32)	77(35)	90(41)	123(56)	128(58)	139(63)	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.



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