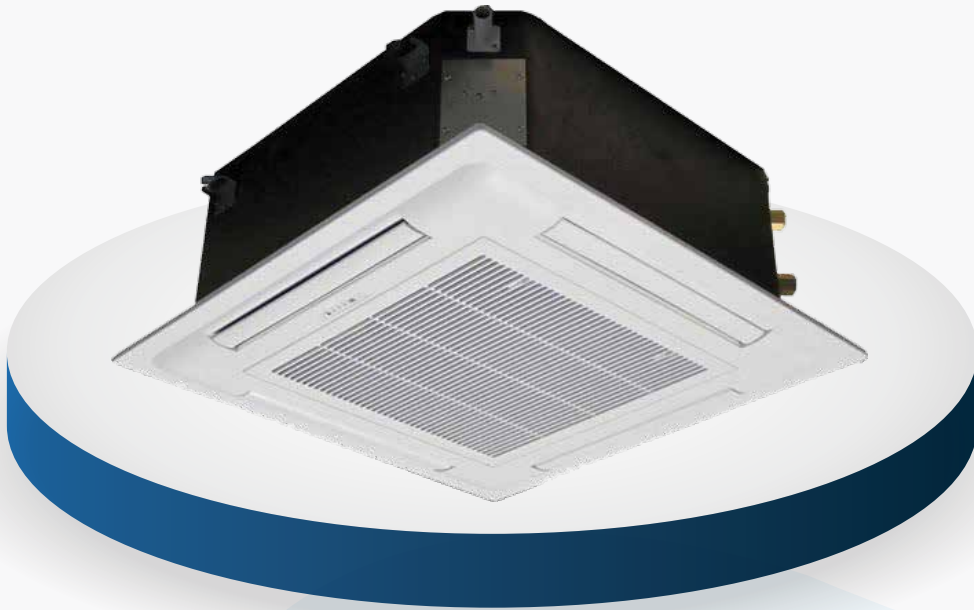


DFC Series

Chilled Water – Cassette Type

Decorative Fan Coil Units



CE

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Introduction

SKM DFC Decorative Chilled Water Fan Coil Units are perfectly convenient for Apartments, Offices, Hospitals, Hotels, Sports Hall, Mini or Maxi Stores and other such installations whereby a central plant supplies chilled water for cooling.

DFC Fan Coil Units are ideally suited to fulfil almost all space constraints. Special design of DFC units enable them to be installed horizontally on the ceiling.

The sleek and compact DFC units take very little space in the room and do not obstruct the windows. The Fan coil units are attractively styled to blend with most room decors.

Advanced system components incorporate innovative technology to provide reliable cooling performance at high efficiencies and low sound levels.

DFC Fan Coil Units are available in sizes covering the nominal airflow range of 300 -1700 cfm (140 - 800 L/s).

SKM provides qualified service and stock of replacement parts in all major cities of the G.C.C. countries, Egypt, Jordan, and Pakistan. See back cover for details or call SKM.

SKM Air Conditioning LLC



You name it.....We cool it

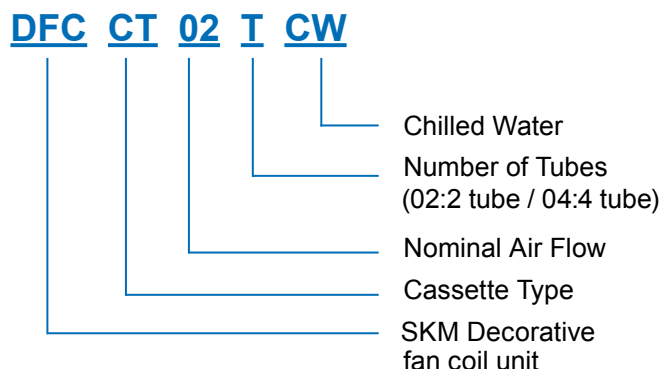


SKM reserves the right to change, in part or in whole the specifications of its Air Conditioning Equipment at any time in order to add the latest technology. Therefore, the enclosed information may change without any prior notice.

Salient Features of SKM DFC Series decorative Fan Coil Units include:

- Cabinet: Attractively designed casing made of galvanized steel attached to a strong ABS frame and equipped with automatic swing discharge louvers for perfect air distribution. Unit is equipped with cross linked Poly ethylene (XPS) for outer insulation. Air distribution is through 4 way adjustable grills..
- Exceptionally Quiet Operation: Large-diameter multi-blade centrifugal fans are statically and dynamically balanced with large flow-path and low-noise. Fiber glass reinforced materials are used for quite operation.
- High Performance Coils: 3/8" OD Copper tubes are bonded to aluminum fins for high heat transfer efficiency.
- Electronic Remote Control: Variety of state of the art multifunction wired or wireless remote controls with many programmable comfort functions are available.
- Ease of Service and Installation: Fan motors, blowers, and controls are easily accessible through the decorative return grille.
- Filter: Synthetic removable & Washable filter is provided with easy access.
- Cassette DFC series are available in 2 pipe system (2Row cooling or 2row Heating) and 4 pipe system (1row cooling & 1 row heating).
- Traffic white (RAL 9016) is the standard color of the unit.

Nomenclature:



Options & Accessories:

1. Wired wall control
2. 2 way on/off valve and kits, actuator
3. 3 way on/off valve and kits, actuator
4. Electric Heater.
5. Rs485 communication PCB board

Technical Specification

2 pipe

Technical data				2Pipe 2 rows									
Model				DFC CT 03T	DFC CT 04T	DFC CT 05T	DFC CT 06T	DFC CT 08T	DFC CT 10T	DFC CT 12T	DFC CT 14T	DFC CT 17T	
Air Flow			H	CFM	333	367	468	570	783	981	1201	1333	1659
			M		270	316	360	444	659	725	1019	1038	1487
			L		256	268	305	341	483	564	737	767	1350
Cooling Capacity	Total Cooling		H	kW	2.25	3.01	4.96	5.62	6.95	8.42	10.65	10.67	13.17
			M		1.96	2.82	4.07	4.72	6.22	6.84	9.47	9.13	12.34
			L		1.91	2.52	3.58	3.90	5.04	5.80	7.65	7.46	11.49
	Water Flow Rate		gpm	1.54	2.06	3.41	3.86	4.77	5.76	7.30	7.32	9.03	
water Pressure Drop		kPa	21.38	27.49	24.26	26.71	33.12	36.33	49.21	49.36	78.95		
Heating Capacity	2 pipe Heating		H	kW	4.0	4.9	7.7	8.9	11.6	14.1	16.9	18.0	21.2
			M		3.5	4.4	6.3	7.3	10.2	11.4	15.1	15.2	19.6
			L		3.4	3.9	5.5	6.0	8.1	9.4	11.8	12.2	18.5
Fan	Type			Centrifugal fan.									
	Dia.		mm	ø315	ø315	ø380	ø380	ø380	ø476	ø476	ø476	ø530	
	Qty.			1	1	1	1	1	1	1	1	1	
Electric Parameter	Power Supply		V/Ph/Hz	220-240V/1/50-60									
	Input Power		W	52	62	76	96	132	152	189	220	330	
	Current		A	0.24	0.27	0.33	0.38	0.58	0.78	0.80	1.07	1.43	
Sound Pressure			dB(A)	39	41	43	45	46	47	50	52	57	
Coil	Tube Type			High Efficient Copper tube									
	Tube OD		inch	3/8"									
	Area		m²	10	14.4	14.4	14.4	12.8	16.8	16.8	16.8	20.8	
	Fin Spacing		mm	1.5	2	2	2	2	2	2	2	2	
	Rows			1	2	2	2	2	2	2	2	2	
	Water Connection	In	in	ZG 3/4"									
		Out		ZG 3/4"									
Drain pipe (OD)			mm	26									
Control Mode				Wireless remote control and wired wall pad optional									
Housing Dim. (LxWxH)			mm	580x580x250			705x705x290			832x832x290			960x960x290
Panel Dim.			mm	680x680x30			830x830x30			980x980x30			1140x1140x30
Net Weight			kg	20			25			34			52

Table 1

4 pipe

Model				DFC CT 04F	DFC CT 05F	DFC CT 06F	DFC CT 08F	DFC CT 10F	DFC CT 12F	DFC CT 14F	DFC CT 17F
Air Flow		H	CFM	396.2	500.0	557.2	766.9	923.7	1122.9	1226.7	1622.9
		M		336.9	372.9	413.1	667.4	690.7	938.6	887.7	1178.0
		L		305.1	309.3	343.2	538.1	572.0	589.0	631.4	883.5
Cooling Capacity	Total Cooling	H	kW	2.4	2.9	3.4	4.5	5.6	6.5	7.8	9.6
		M		1.9	2.2	2.6	3.5	4.4	5.6	6.1	7.0
		L		1.3	1.7	2.0	2.8	3.4	4.3	4.7	5.3
	Water Flow Rate		gpm	1.7	2.0	2.3	3.1	3.8	4.5	5.4	6.6
	water Pressure Drop		kPa	59.6	16.3	17.3	20.3	38.3	46.7	60.1	91.0
	Heating Capacity	4 pipe Heating	H	kW	4.1	4.3	4.5	5.5	6.3	7.0	7.5
M			3.5		3.6	3.8	5.1	5.4	6.3	6.2	8.0
L			3.2		3.2	3.4	4.5	4.8	4.8	5.1	6.8
Water Flow Rate		gpm	1.0	1.3	1.6	1.8	2.5	2.7	3.3	4.5	
Water Pressure Drop		kPa	1	1.5	2	3	6	8	9	10	
Fan		Type			Centrifugal Fan						
	Dia.		mm	ø315	ø380	ø380	ø380	ø476	ø476	ø476	ø530
	Qty.			1	1	1	1	1	1	1	1
Electrical Parameter	Power Supply		V/Ph/Hz	220/ 1/50							
	Input Power		W	62	76	96	132	152	189	220	330
	Current		A	0.27	0.33	0.38	0.58	0.78	0.80	1.07	1.43
Sound Pressure			dB(A)	41	43	45	46	47	50	52	57
Coil	Tube Type			High Efficient Copper tube							
	Tube OD		inch	3/8"							
	Fin Spacing		mm	2	2	2	2	2	2	2	2
	Rows			2	2	2	2	2	2	2	2
	Water Connection	In	in	ZG3/4"							
		Out		ZG3/4"							
Drain pipe (OD)			mm	26							
Control Mode				Wireless remote control and wired wall pad optional							
Unit Dimensions (LxWxH)			mm	580x580x250		705x705x290		832x832x290			960x960x290
Panel Dimensions			mm	680x680x30		830x830x30		980x980x30			1140x1140x30
Net Weight			kg	20		25		34			52

Table 2

Testing conditions:

Cooling: Entering air temperature (DBT/WBT): 80/67°F (26.7/19.4°C). Entering/Leaving water temperature: 45/55°F (7°C / 12°C).

Heating: Entering air temperature: 68°F (20°C). Entering/Leaving water temperature: 140/120°F (60/50°C), same water flow rate as for the cooling.

Cooling Capacity Ratings

2 pipe

2 Rows (80/67 °F On Coil Temperature)

		80/67°F (26.7/19.4°C) Entering Air Dry Bulb / Wet Bulb Temperature																		
Model		Speed	Airflow Rate		10°F (5.5°C) Water Temperature Rise								16°F (8.9°C)Water Temperature Rise							
					Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure		Total capacity		Sensible Capacity		Water Flow Rate		Water Presssure	
			CFM	L/s	Kw	MBh	Kw	MBh	L/s	GPM	kPa	ft.wg	kw	MBh	kW	MBh	L/s	GPM	kPa	ft.wg
42°F (5.5°C) Entering Water Temperature	DFC CT 03T	High	333	157	2.69	9.18	1.87	6.37	0.12	1.84	24.74	8.12	1.95	6.66	1.58	5.38	0.05	0.82	15.77	2.98
		Med	270	127	2.35	8.01	1.61	5.49	0.10	1.62	22.23	7.29	1.75	5.97	1.37	4.68	0.05	0.74	14.63	4.80
		Low	256	121	2.28	7.77	1.56	5.31	0.10	1.57	21.72	7.12	1.67	5.69	1.31	4.48	0.05	0.71	14.43	4.73
	DFC CT 04T	High	367	173	3.63	12.40	2.38	8.13	0.16	2.49	33.47	10.98	2.85	9.72	2.06	7.02	0.08	1.20	18.18	5.96
		Med	316	149	3.30	11.28	2.15	7.34	0.14	2.26	30.26	9.93	2.60	8.88	1.86	6.33	0.07	1.11	17.36	5.70
		Low	268	127	2.94	10.05	1.91	6.51	0.13	2.01	26.88	8.82	2.34	7.97	1.65	5.63	0.06	0.98	16.34	5.36
	DFC CT 05T	High	468	221	5.72	19.51	3.66	12.48	0.25	3.93	27.09	8.88	4.64	15.84	3.19	10.89	0.12	1.96	20.18	6.62
		Med	360	170	4.74	16.18	3.00	10.24	0.21	3.25	23.55	7.72	3.88	13.26	2.63	8.97	0.10	1.65	20.02	6.57
		Low	305	144	4.16	14.20	2.63	8.96	0.18	2.85	22.05	7.23	3.44	11.72	2.31	7.87	0.09	1.46	20.05	6.57
	DFC CT 06T	High	570	269	6.51	22.21	4.20	14.34	0.28	4.47	30.75	10.09	5.33	18.20	3.70	12.64	0.14	2.26	20.59	6.75
		Med	444	209	5.48	18.69	3.50	11.93	0.24	3.75	26.07	8.55	4.49	15.34	3.07	10.49	0.12	1.90	20.13	6.60
		Low	341	161	4.54	15.51	2.87	9.80	0.20	3.12	23.02	7.55	3.71	12.65	2.51	8.55	0.10	1.57	20.02	6.57
	DFC CT 08T	High	783	370	8.08	27.58	5.29	18.06	0.35	5.54	40.35	13.23	6.46	22.06	4.62	15.76	0.17	2.74	21.70	7.12
		Med	659	311	7.21	24.61	4.68	15.97	0.31	4.94	34.61	11.35	5.75	19.61	4.07	13.88	0.15	2.44	20.93	6.86
		Low	483	228	5.82	19.87	3.73	12.73	0.25	3.99	27.48	9.01	4.75	16.21	3.27	11.16	0.13	2.01	20.23	6.64
	DFC CT 10T	High	981	463	9.80	33.45	6.39	21.82	0.42	6.72	43.99	14.43	7.93	27.08	5.61	19.15	0.21	3.36	21.46	7.04
		Med	725	342	8.04	27.45	5.17	17.65	0.35	5.51	34.45	11.30	6.55	22.35	4.53	15.48	0.18	2.77	18.83	6.18
		Low	564	266	6.70	22.88	4.28	14.61	0.29	4.59	28.28	9.27	5.50	18.76	3.76	12.83	0.15	2.33	17.10	5.61
	DFC CT 12T	High	1201	567	12.38	42.26	8.08	27.58	0.54	8.49	61.00	20.01	9.91	33.81	7.04	24.04	0.27	4.20	25.91	8.50
		Med	1019	481	10.99	37.51	7.14	24.37	0.48	7.54	51.44	16.87	8.97	30.61	6.29	21.46	0.24	3.80	23.71	7.78
		Low	737	348	8.77	29.93	5.63	19.21	0.38	6.02	38.27	12.55	7.13	24.34	4.93	16.82	0.19	3.02	19.92	6.53
	DFC CT14T	High	1333	629	12.47	42.56	8.21	28.03	0.54	8.55	61.67	20.23	10.14	34.62	7.25	24.73	0.27	4.29	26.46	8.68
		Med	1038	490	10.54	35.96	6.87	23.46	0.46	7.22	48.49	15.90	8.56	29.22	6.04	20.62	0.23	3.63	22.80	7.48
		Low	767	362	8.64	29.47	5.55	18.95	0.37	5.92	37.53	12.31	7.05	24.08	4.88	16.64	0.19	2.99	19.78	6.49
	DFC CT 17T	High	1659	783	15.26	52.08	10.14	34.60	0.66	10.47	99.95	32.78	12.36	42.20	8.94	30.52	0.33	5.24	37.04	12.15
		Med	1487	702	14.39	49.11	9.47	32.32	0.62	9.87	90.84	29.80	11.44	39.04	8.25	28.14	0.31	4.85	33.77	11.08
		Low	1350	637	13.48	46.02	8.84	30.16	0.58	9.25	82.00	26.89	10.70	36.52	7.68	26.20	0.29	4.53	31.30	10.27
45°F (7.2°C) Entering Water Temperature	DFC CT 03T	High	333	157	2.25	7.69	1.97	6.72	0.10	1.54	21.38	7.01	1.64	5.60	1.46	4.99	0.04	0.70	14.32	4.70
		Med	270	127	1.96	6.70	1.72	5.86	0.09	1.35	19.49	6.39	1.42	4.86	1.25	4.27	0.04	0.60	13.74	4.51
		Low	256	121	1.91	6.51	1.45	4.96	0.08	1.31	19.19	6.29	1.39	4.76	1.21	4.14	0.04	0.59	13.65	4.48
	DFC CT 04T	High	367	173	3.01	10.27	2.44	8.33	0.13	2.06	27.49	9.02	2.39	8.14	1.88	6.40	0.06	1.01	16.59	5.44
		Med	316	149	2.82	9.63	1.94	6.64	0.12	1.93	25.89	8.49	2.17	7.40	1.68	5.75	0.06	0.92	15.86	5.20
		Low	268	127	2.52	8.60	1.73	5.89	0.11	1.73	23.45	7.69	1.94	6.63	1.50	5.11	0.05	0.82	15.17	4.98
	DFC CT 05T	High	468	221	4.96	16.91	3.32	11.35	0.22	3.41	24.26	7.96	3.88	13.26	2.89	9.86	0.10	1.65	20.02	6.57
		Med	360	170	4.07	13.89	2.71	9.24	0.18	2.79	21.85	7.17	3.19	10.90	2.35	8.01	0.09	1.35	20.10	6.59
		Low	305	144	3.58	12.21	2.37	8.08	0.16	2.45	20.96	6.88	2.88	9.83	2.08	7.10	0.08	1.22	20.21	6.63
	DFC CT 06T	High	570	269	5.62	19.20	3.83	13.06	0.24	3.86	26.71	8.76	4.44	15.16	3.35	11.43	0.12	1.88	20.12	6.60
		Med	444	209	4.72	16.10	3.17	10.81	0.20	3.23	23.48	7.70	3.74	12.75	2.77	9.45	0.10	1.58	20.02	6.57
		Low	341	161	3.90	13.32	2.59	8.84	0.17	2.68	21.52	7.06	3.12	10.66	2.27	7.74	0.08	1.33	20.12	6.60
	DFC CT 08T	High	783	370	6.95	23.73	4.82	16.44	0.30	4.77	33.12	10.86	5.38	18.37	4.19	14.31	0.14	2.28	20.61	6.76
		Med	659	311	6.22	21.23	4.26	14.54	0.27	4.26	29.26	9.60	4.90	16.73	3.73	12.73	0.13	2.07	20.31	6.66
		Low	483	228	5.04	17.21	3.39	11.58	0.22	3.45	24.49	8.03	3.94	13.44	2.94	10.05	0.11	1.66	20.02	6.57
	DFC CT 10T	High	981	463	8.42	28.73	5.81	19.82	0.36	5.76	36.33	11.91	6.59	22.51	5.08	17.35	0.18	2.79	18.90	6.20
		Med	725	342	6.84	23.35	4.65	15.89	0.30	4.69	28.87	9.47	5.49	18.75	4.11	14.04	0.15	2.33	17.10	5.61
		Low	564	266	5.80	19.81	3.89	13.28	0.25	3.98	24.66	8.09	4.59	15.68	3.40	11.60	0.12	1.95	15.78	5.18
	DFC CT 12T	High	1201	567	10.65	36.36	7.35	25.08	0.46	7.30	49.21	16.14	8.25	28.15	6.39	21.81	0.22	3.50	22.16	7.27
		Med	1019	481	9.47	32.34	6.50	22.17	0.41	6.49	42.11	13.81	7.43	25.37	5.68	19.38	0.20	3.15	20.49	6.72
		Low	737	348	7.65	26.10	5.14	17.54	0.33	5.24	32.55	10.67	6.01	20.52	4.48	15.27	0.16	2.55	17.94	5.88
	DFC CT14T	High	1333	629	10.67	36.43	7.46	25.46	0.46	7.32	49.36	16.19	8.39	28.63	6.55	22.37	0.22	3.55	22.40	7.35
		Med	1038	490	9.13	31.17	6.28	21.42	0.40	6.26	40.16	13.17	7.13	24.33	5.48	18.70	0.19	3.02	19.92	6.53
		Low	767	362	7.46	25.46	5.05	17.23	0.32	5.12	31.67	10.39	5.92	20.22	4.42	15.10	0.16	2.50	17.75	5.82
	DFC CT 17T	High	1659	783	13.17	44.95	9.27	31.64	0.57	9.03	78.95	25.89	10.32	35.23	8.15	27.82	0.28	4.37	30.12	9.88
		Med	1487	702	12.34	42.11	8.61	29.39	0.53	8.46	71.41	23.42	9.57	32.67	7.52	25.66	0.26	4.05	27.85	9.14
		Low	1350	637	11.49	39.20	8.00	27.30	0.50	7.87	64.11	21.03	9.07	30.97	7.04	24.03	0.24	3.85	26.45	8.68
48°F (8.9°C) Entering Water Temperature	DFC CT 03T	High	333	157	1.85	6.32	1.54	5.26	0.08	1.27	18.75	6.15	1.34	4.57	1.34	4.57	0.04	0.57	13.55	4.45
		Med	270	127	1.62	5.52	1.32	4.51	0.07	1.11	17.36	5.70	1.16	3.97	1.16	3.97	0.03	0.49	13.11	4.30
		Low	256	121	1.56	5.32	1.27	4.35	0.07	1.06	16.97	5.57	1.13	3.87	1.13	3.87	0.03	0.48	13.03	4.27
	DFC CT 04T	High	367	173	2.55	8.71	1.94	6.62	0.11	1.74	23.63	7.75	1.95	6.65	1.95	6.65	0.05	0.82	15.17	4.98
		Med	316	149	2.32	7.91	1.74	5.95	0.10	1.58	21.89	7.18	1.76	6.00	1.53	5.23	0.05	0.74	14.63	4.80
		Low	268	127	2.09	7.15	1.55	5.31	0.09	1.44	20.41	6.70	1.60	5.46	1.37	4.66	0.04	0.68	14.22	4.67
	DFC CT 05T	High	468	221	4.09	13.96	2.97	10.13	0.18	2.80	21.90	7								

Cooling Capacity Ratings

2 pipe

Model		Speed	78/65°F (25.6/18.3°C) Entering Air Dry Bulb / Wet Bulb Temperature																	
			Airflow Rate		10°F (5.5°C) Water Temperature Rise								16°F (8.9°C) Water Temperature Rise							
					Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure		Total capacity		Sensible Capacity		Water Flow Rate		Water Presssure	
			CFM	L/s	Kw	MBh	Kw	MBh	L/s	GPM	kPa	ft.wg	kw	MBh	kW	MBh	L/s	GPM	kPa	ft.wg
42°F (5.5°C) Entering Water Temperature	DFC CT 03T	High	333	157	2.33	7.94	1.76	6.01	0.10	1.60	22.05	7.23	1.71	5.83	1.51	5.17	0.05	0.73	14.53	4.77
		Med	270	127	2.04	6.95	1.52	5.18	0.09	1.39	19.95	6.54	1.50	5.11	1.30	4.44	0.04	0.63	13.93	4.57
		Low	256	121	1.98	6.74	1.47	5.01	0.09	1.36	19.64	6.44	1.45	4.93	1.25	4.28	0.04	0.62	13.83	4.54
	DFC CT 04T	High	367	173	3.19	10.89	2.25	7.69	0.14	2.19	29.17	9.57	2.48	8.48	1.95	6.67	0.07	1.05	16.84	5.52
		Med	316	149	2.88	9.84	2.02	6.90	0.13	1.98	26.48	8.69	2.25	7.69	1.76	5.99	0.06	0.95	16.10	5.28
		Low	268	127	2.57	8.78	1.79	6.12	0.11	1.76	23.82	7.81	2.04	6.95	1.57	5.34	0.05	0.86	15.40	5.05
	DFC CT 05T	High	468	221	5.01	17.10	3.44	11.74	0.22	3.44	24.41	8.01	4.01	13.68	3.01	10.26	0.11	1.69	20.03	6.57
		Med	360	170	4.11	14.03	2.80	9.55	0.18	2.82	21.95	7.20	3.34	11.40	2.46	8.41	0.09	1.41	20.07	6.58
		Low	305	144	3.66	12.48	2.47	8.43	0.16	2.50	21.07	6.91	2.96	10.10	2.16	7.38	0.08	1.25	20.18	6.62
	DFC CT 06T	High	570	269	5.73	19.57	3.97	13.56	0.25	3.93	27.09	8.88	4.55	15.55	3.47	11.84	0.12	1.93	20.16	6.61
		Med	444	209	4.80	16.39	3.29	11.23	0.21	3.29	23.76	7.79	3.85	13.16	2.88	9.83	0.10	1.63	20.02	6.57
		Low	341	161	3.99	13.62	2.70	9.22	0.17	2.74	21.70	7.12	3.21	10.97	2.36	8.06	0.09	1.36	20.09	6.59
	DFC CT 08T	High	783	370	7.16	24.44	5.03	17.17	0.31	4.91	34.33	11.26	5.59	19.09	4.37	14.91	0.15	2.38	20.79	6.82
		Med	659	311	6.30	21.50	4.40	15.03	0.27	4.32	29.71	9.74	5.08	17.33	3.88	13.26	0.14	2.15	20.41	6.69
		Low	483	228	5.10	17.41	3.51	11.98	0.22	3.50	24.72	8.11	4.10	14.00	3.08	10.51	0.11	1.74	20.04	6.57
	DFC CT 10T	High	981	463	8.61	29.38	6.04	20.62	0.37	5.91	37.41	12.27	6.86	23.41	5.30	18.09	0.18	2.91	19.44	6.38
		Med	725	342	7.03	24.00	4.86	16.59	0.30	4.81	29.68	9.74	5.64	19.23	4.26	14.55	0.15	2.39	17.33	5.68
		Low	564	266	5.87	20.04	4.75	16.20	0.25	4.02	24.92	8.17	3.54	12.07	3.54	12.07	0.10	1.50	14.46	4.74
	DFC CT 12T	High	1201	567	10.80	36.86	7.60	25.94	0.47	7.41	50.25	16.48	8.57	29.26	6.66	22.73	0.23	3.63	22.80	7.48
		Med	1019	481	9.67	33.01	7.71	26.31	0.42	6.64	43.31	14.21	5.91	20.19	5.91	20.19	0.16	2.50	17.75	5.82
		Low	737	348	7.73	26.40	5.32	18.15	0.34	5.31	32.99	10.82	6.21	21.19	4.66	15.91	0.17	2.63	18.25	5.99
	DFC CT14T	High	1333	629	11.03	37.65	7.80	26.63	0.48	7.57	51.75	16.97	8.65	29.53	6.80	23.22	0.23	3.66	22.96	7.53
		Med	1038	490	9.33	31.86	6.53	22.28	0.40	6.40	41.32	13.55	7.41	25.28	5.71	19.50	0.20	3.14	20.42	6.70
		Low	767	362	7.55	25.77	5.22	17.82	0.33	5.18	32.11	10.53	6.02	20.55	4.56	15.57	0.16	2.55	17.94	5.88
	DFC CT 17T	High	1659	783	13.54	46.20	9.60	32.75	0.59	9.28	82.44	27.04	10.84	37.00	9.27	31.64	0.29	4.59	31.78	10.43
		Med	1487	702	12.56	42.87	8.87	30.27	0.54	8.62	73.46	24.09	10.31	35.19	8.76	29.90	0.28	4.37	30.12	9.88
		Low	1350	637	11.78	40.22	8.28	28.26	0.51	8.08	66.62	21.85	9.79	33.41	8.30	28.33	0.26	4.15	28.52	9.35
45°F (7.2°C) Entering Water Temperature	DFC CT 03T	High	333	157	1.90	6.50	1.59	5.42	0.08	1.30	19.04	6.25	1.41	4.81	1.41	4.81	0.04	0.60	13.74	4.51
		Med	270	127	1.68	5.72	1.37	4.68	0.07	1.16	17.77	5.83	1.22	4.17	1.22	4.17	0.03	0.52	13.28	4.36
		Low	256	121	1.63	5.56	1.33	4.53	0.07	1.12	17.50	5.74	1.19	4.06	1.19	4.06	0.03	0.51	13.20	4.33
	DFC CT 04T	High	367	173	2.66	9.07	2.03	6.91	0.12	1.82	24.55	8.05	2.05	7.00	1.78	6.09	0.06	0.87	15.51	5.09
		Med	316	149	2.41	8.22	1.82	6.21	0.10	1.65	22.57	7.40	1.87	6.37	1.60	5.47	0.05	0.79	14.95	4.90
		Low	268	127	2.16	7.36	1.62	5.51	0.09	1.47	20.73	6.80	1.68	5.72	1.42	4.85	0.05	0.71	14.43	4.73
	DFC CT 05T	High	468	221	4.20	14.33	3.09	10.53	0.18	2.88	22.15	7.27	3.33	11.38	2.73	9.32	0.09	1.41	20.07	6.58
		Med	360	170	3.48	11.88	2.52	8.61	0.15	2.39	20.83	6.83	2.75	9.38	2.22	7.58	0.07	1.17	20.26	6.65
		Low	305	144	3.08	10.53	2.22	7.56	0.13	2.12	20.37	6.68	2.44	8.34	1.95	6.66	0.07	1.03	20.45	6.71
	DFC CT 06T	High	570	269	4.78	16.33	3.56	12.16	0.21	3.28	23.69	7.77	3.77	12.86	3.15	10.76	0.10	1.60	20.02	6.57
		Med	444	209	4.05	13.84	2.96	10.12	0.18	2.79	21.85	7.17	3.21	10.95	2.62	8.94	0.09	1.36	20.09	6.59
		Low	341	161	3.38	11.55	2.43	8.31	0.15	2.31	20.67	6.78	2.65	9.03	2.13	7.26	0.07	1.12	20.32	6.66
	DFC CT 08T	High	783	370	5.93	20.24	4.51	15.39	0.26	4.07	27.98	9.18	4.69	15.99	4.01	13.68	0.13	1.98	20.20	6.63
		Med	659	311	5.28	18.02	3.97	13.54	0.23	3.63	25.37	8.32	4.19	14.30	3.53	12.05	0.11	1.77	20.05	6.58
		Low	483	228	4.30	14.68	3.16	10.79	0.19	2.95	22.37	7.34	3.38	11.53	2.79	9.51	0.09	1.43	20.06	6.58
	DFC CT 10T	High	981	463	7.23	24.69	5.45	18.62	0.31	4.96	30.61	10.04	5.74	19.58	4.85	16.56	0.15	2.44	17.51	5.74
		Med	725	342	5.90	20.13	4.37	14.92	0.26	4.04	25.01	8.20	4.70	16.04	3.88	13.26	0.13	2.00	15.94	5.23
		Low	564	266	4.94	16.88	3.62	12.36	0.21	3.39	21.62	7.09	3.96	13.51	3.22	10.98	0.11	1.68	14.95	4.90
	DFC CT 12T	High	1201	567	9.01	30.76	6.84	23.34	0.39	6.18	39.52	12.96	7.18	24.50	6.11	20.85	0.19	3.04	19.99	6.56
		Med	1019	481	8.16	27.86	6.11	20.84	0.35	5.59	35.03	11.49	6.41	21.89	5.40	18.42	0.17	2.72	18.63	6.11
		Low	737	348	6.56	22.40	4.81	16.42	0.28	4.50	27.69	9.08	5.16	17.60	4.23	14.45	0.14	2.19	16.59	5.44
	DFC CT14T	High	1333	629	9.15	31.23	7.00	23.91	0.40	6.27	40.28	13.21	7.29	24.87	6.26	21.38	0.20	3.09	20.21	6.63
		Med	1038	490	7.79	26.58	5.87	20.03	0.34	5.34	33.21	10.89	6.14	20.95	5.20	17.75	0.16	2.60	18.12	5.94
		Low	767	362	6.34	21.64	4.70	16.04	0.27	4.34	26.74	8.77	5.02	17.14	4.16	14.21	0.13	2.12	16.37	5.37
	DFC CT 17T	High	1659	783	11.32	38.65	8.67	29.60	0.49	7.76	62.78	20.59	8.89	30.34	7.70	26.29	0.24	3.77	25.93	8.50
		Med	1487	702	10.44	35.62	7.98	27.22	0.45	7.16	55.86	18.32	8.35	28.50	7.14	24.38	0.22	3.53	24.41	8.01
		Low	1350	637	9.90	33.79	7.48	25.53	0.43	6.79	51.90	17.02	7.84	26.74	6.66	22.72	0.21	3.33	23.15	7.59
48°F (8.9°C) Entering Water Temperature	DFC CT 02T	High	333	157	1.58	5.40	1.47	5.01	0.07	1.09	17.23	5.65	1.21	4.12	1.21	4.12	0.03	0.51	13.20	4.33
		Med	270	127	1.37	4.68	1.25	4.27	0.06	0.93	15.98	5.24	1.06	3.61	1.06	3.61	0.03	0.44	12.86	4.22
		Low	256	121	1.33	4.55	1.21	4.13	0.06	0.92	15.86	5.20	1.02	3.49	1.02	3.49	0.03	0.43	12.78	4.19
	DFC CT 03T	High	333	157	1.58	5.40	1.47	5.01	0.07	1.09	17.23	5.65	1.21	4.12	1.21	4.12	0.03	0.51	13.20	4.33
		Med	270	127	1.37	4.68	1.25	4.27	0.06	0.93	15.98	5.24	1.06	3.61	1.06	3.61	0.03	0.44	12.86	4.22
		Low	256	121	1.33	4.55	1.21	4.13	0.06	0.92	15.86	5.20	1.02	3.49	1.02	3.49</				

Cooling Capacity Ratings

2 pipe

76/63°F (24.4/17.2°C) Entering Air Dry Bulb / Wet Bulb Temperature																				
Model		Speed	Airflow Rate		10°F (5.5°C) Water Temperature Rise								16°F (8.9°C) Water Temperature Rise							
					Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure		Total capacity		Sensible Capacity		Water Flow Rate		Water Pressure	
			CFM	L/s	Kw	MBh	Kw	MBh	L/s	GPM	kPa	ft.wg	kw	MBh	kW	MBh	L/s	GPM	kPa	ft.wg
42°F (5.5°C) Entering Water Temperature	DFC CT 03T	High	333	157	1.99	6.79	1.77	6.04	0.09	1.36	19.64	6.44	1.42	4.85	1.42	4.85	0.04	0.60	13.74	4.51
		Med	269	127	1.75	5.97	1.52	5.19	0.08	1.20	18.18	5.96	1.32	4.51	1.32	4.51	0.04	0.55	13.46	4.42
		Low	256	121	1.70	5.80	1.47	5.02	0.07	1.17	17.90	5.87	1.20	4.10	1.20	4.10	0.03	0.51	13.20	4.33
	DFC CT 04T	High	367	173	2.71	9.25	2.08	7.10	0.12	1.85	24.93	8.18	2.15	7.34	1.84	6.28	0.06	0.92	15.86	5.20
		Med	316	149	2.46	8.40	1.87	6.38	0.11	1.68	22.92	7.52	1.93	6.59	1.65	5.63	0.05	0.82	15.17	4.98
		Low	269	127	2.23	7.61	1.68	5.73	0.10	1.54	21.38	7.01	1.75	5.97	1.47	5.02	0.05	0.74	14.63	4.80
	DFC CT 05T	High	468	221	4.30	14.68	3.26	11.13	0.19	2.95	22.37	7.34	3.28	11.19	2.83	9.66	0.09	1.39	20.08	6.58
		Med	360	170	3.58	12.22	2.67	9.11	0.16	2.45	20.96	6.88	2.73	9.32	2.30	7.85	0.07	1.16	20.28	6.65
		Low	305	144	3.11	10.61	2.31	7.88	0.14	2.14	20.39	6.69	2.45	8.36	2.03	6.93	0.07	1.05	20.43	6.70
	DFC CT 06T	High	570	269	4.87	16.62	3.76	12.83	0.21	3.34	23.97	7.86	3.71	12.66	3.27	11.16	0.10	1.57	20.02	6.57
		Med	443	209	4.09	13.96	3.10	10.58	0.18	2.80	21.90	7.18	3.13	10.68	2.69	9.18	0.08	1.33	20.12	6.60
		Low	341	161	3.39	11.57	2.53	8.63	0.15	2.33	20.70	6.79	2.61	8.91	2.19	7.47	0.07	1.11	20.34	6.67
	DFC CT 08T	High	784	370	6.20	21.16	4.70	16.04	0.27	4.24	29.15	9.56	4.90	16.72	4.15	14.16	0.13	2.07	20.31	6.66
		Med	659	311	5.46	18.63	4.12	14.06	0.24	3.74	25.98	8.52	4.37	14.91	3.65	12.46	0.12	1.85	20.10	6.59
		Low	483	228	4.44	15.15	3.28	11.19	0.19	3.04	22.72	7.45	3.51	11.98	2.88	9.83	0.09	1.49	20.03	6.57
	DFC CT 10T	High	981	463	7.51	25.63	5.67	19.35	0.33	5.15	31.89	10.46	6.00	20.48	5.03	17.17	0.16	2.55	17.94	5.88
		Med	725	342	6.10	20.82	4.54	15.50	0.26	4.18	25.81	8.47	4.90	16.72	4.03	13.75	0.13	2.07	16.20	5.31
		Low	564	266	5.18	17.68	3.79	12.94	0.22	3.55	22.40	7.35	4.17	14.23	3.35	11.43	0.11	1.77	15.24	5.00
	DFC CT 12T	High	1201	567	9.35	31.91	7.10	24.23	0.41	6.41	41.45	13.60	7.43	25.36	6.28	21.43	0.20	3.15	20.49	6.72
		Med	1019	481	8.32	28.40	6.27	21.40	0.36	5.70	35.85	11.76	6.63	22.63	5.55	18.94	0.18	2.80	18.96	6.22
		Low	737	348	6.68	22.80	4.94	16.86	0.29	4.58	28.18	9.24	5.36	18.29	4.37	14.91	0.14	2.26	16.87	5.53
	DFC CT14T	High	1333	629	9.52	32.49	7.29	24.88	0.41	6.53	42.37	13.90	7.56	25.80	6.46	22.05	0.20	3.20	20.71	6.79
		Med	1038	490	8.08	27.58	6.10	20.82	0.35	5.54	34.68	11.38	6.42	21.91	5.39	18.40	0.17	2.72	18.63	6.11
		Low	767	362	6.60	22.53	4.90	16.72	0.29	4.53	27.89	9.15	5.28	18.02	4.33	14.78	0.14	2.23	16.75	5.50
	DFC CT 17T	High	1659	783	11.64	39.73	8.92	30.44	0.50	7.98	65.46	21.47	9.31	31.78	7.93	27.07	0.25	3.94	27.09	8.89
		Med	1487	702	10.81	36.89	8.25	28.16	0.47	7.41	58.72	19.26	8.73	29.80	7.36	25.12	0.23	3.71	25.51	8.37
		Low	1350	637	10.16	34.68	7.70	26.28	0.44	6.97	53.77	17.64	8.26	28.19	6.89	23.52	0.22	3.50	24.21	7.94
45°F (7.2°C) Entering Water Temperature	DFC CT 03T	High	333	157	1.63	5.56	1.63	5.56	0.07	1.12	17.50	5.74	1.19	4.06	1.19	4.06	0.03	0.51	13.20	4.33
		Med	269	127	1.42	4.85	1.42	4.85	0.06	0.97	16.22	5.32	1.04	3.55	1.04	3.55	0.03	0.44	12.86	4.22
		Low	256	121	1.36	4.64	1.36	4.64	0.06	0.93	15.98	5.24	1.02	3.48	1.02	3.48	0.03	0.43	12.78	4.19
	DFC CT 04T	High	367	173	2.26	7.71	1.89	6.45	0.10	1.55	21.55	7.07	1.75	5.97	1.75	5.97	0.05	0.74	14.63	4.80
		Med	316	149	2.03	6.93	1.69	5.77	0.09	1.39	19.95	6.54	1.59	5.43	1.51	5.15	0.04	0.68	14.22	4.67
		Low	269	127	1.82	6.21	1.50	5.12	0.08	1.25	18.61	6.10	1.43	4.88	1.43	4.88	0.04	0.60	13.74	4.51
	DFC CT 05T	High	468	221	3.51	11.98	2.92	9.97	0.15	2.41	20.86	6.84	2.65	9.04	2.65	9.04	0.07	1.12	20.32	6.66
		Med	360	170	2.94	10.03	2.39	8.16	0.13	2.01	20.23	6.64	2.26	7.71	2.11	7.20	0.06	0.95	20.58	6.75
		Low	305	144	2.60	8.87	2.09	7.13	0.11	1.79	20.06	6.58	1.98	6.76	1.83	6.25	0.05	0.84	20.79	6.82
	DFC CT 06T	High	570	269	4.02	13.72	3.40	11.60	0.17	2.76	21.75	7.13	3.02	10.31	3.02	10.31	0.08	1.28	20.15	6.61
		Med	443	209	3.37	11.50	2.79	9.52	0.15	2.31	20.67	6.78	2.52	8.60	2.52	8.60	0.07	1.06	20.41	6.69
		Low	341	161	2.79	9.52	2.27	7.75	0.12	1.92	20.14	6.61	2.14	7.30	2.00	6.83	0.06	0.90	20.66	6.78
	DFC CT 08T	High	784	370	5.09	17.37	4.23	14.44	0.22	3.48	24.65	8.08	4.04	13.79	3.80	12.97	0.11	1.71	20.03	6.57
		Med	659	311	4.50	15.36	3.71	12.66	0.20	3.09	22.90	7.51	3.62	12.36	3.34	11.40	0.10	1.54	20.02	6.57
		Low	483	228	3.68	12.56	2.95	10.07	0.16	2.52	21.11	6.92	2.92	9.97	2.64	9.01	0.08	1.24	20.20	6.62
	DFC CT 10T	High	981	463	6.21	21.19	5.12	17.47	0.27	4.26	26.27	8.62	5.00	17.07	4.62	15.77	0.13	2.12	16.37	5.37
		Med	725	342	5.03	17.17	4.08	13.93	0.22	3.45	21.93	7.19	4.06	13.86	3.68	12.56	0.11	1.73	15.09	4.95
		Low	564	266	4.26	14.54	3.39	11.57	0.18	2.91	19.44	6.38	3.41	11.64	3.04	10.38	0.09	1.44	14.29	4.69
	DFC CT 12T	High	1201	567	7.67	26.18	6.38	21.77	0.33	5.26	32.66	10.71	6.19	21.13	5.77	19.69	0.17	2.63	18.25	5.99
		Med	1019	481	6.90	23.55	5.66	19.32	0.30	4.74	29.17	9.57	5.48	18.70	5.08	17.34	0.15	2.33	17.10	5.61
		Low	737	348	5.53	18.87	4.45	15.19	0.24	3.79	23.63	7.75	4.38	14.95	3.97	13.55	0.12	1.85	15.48	5.08
	DFC CT14T	High	1333	629	7.84	26.76	6.57	22.42	0.34	5.37	33.43	10.97	6.27	21.40	5.93	20.24	0.17	2.66	18.38	6.03
		Med	1038	490	6.74	23.00	5.52	18.84	0.29	4.62	28.47	9.34	5.35	18.26	4.95	16.89	0.14	2.26	16.87	5.53
		Low	767	362	5.41	18.46	4.38	14.95	0.23	3.71	23.21	7.61	4.34	14.81	3.94	13.45	0.12	1.84	15.43	5.06
	DFC CT 17T	High	1659	783	9.66	32.97	8.08	27.58	0.42	6.62	50.08	16.42	7.80	26.62	7.33	25.02	0.21	3.31	23.06	7.56
		Med	1487	702	8.99	30.68	7.47	25.50	0.39	6.16	45.45	14.91	7.25	24.74	6.76	23.07	0.19	3.07	21.68	7.11
		Low	1350	637	8.46	28.87	6.98	23.82	0.37	5.80	41.98	13.77	6.80	23.21	6.30	21.50	0.18	2.88	20.64	6.77
48°F (8.9°C) Entering Water Temperature	DFC CT 03T	High	333	157	1.41	4.81	1.41	4.81	0.06	0.97	16.22	5.32	0.97	3.31	0.97	3.31	0.03	0.41	12.70	4.17
		Med	269	127	1.23	4.20	1.23	4.20	0.05	0.84	15.28	5.01	0.85	2.90	0.85	2.90	0.02	0.36	12.47	4.09
		Low	256	121	1.17	3.99	1.17	3.99	0.05	0.81	15.06	4.94	0.82	2.80	0.82	2.80	0.02	0.35	12.39	4.06
	DFC CT 04T	High	367	173	1.86	6.35	1.73	5.90	0.08	1.28	18.89	6.20	1.49	5.09	1.49	5.09	0.04	0.63	13.93	4.57
		Med	316	149	1.66	5.67	1.54	5.26	0.07	1.14	17.63	5.78	1.35	4.61	1.35	4.61	0.04	0.57	13.55	4.45
		Low	269	127	1.49	5.09	1.36	4.64	0.07	1.03	16.72	5.48	1.22	4.16	1.22	4.16	0.03	0.52	13.28	4.36
	DFC CT 05T	High	468	221	2.86	9.76	2.66	9.08	0.12	1.96	20.18	6.62	2.24							

Heating Capacity Ratings

2 pipe

Model		Speed	Airflow Rate		Air Temperature 20°C											
					20°F (-6.67°C) Water Temperature Rise						10°F (-12.22°C) Water Temperature Rise					
					Total Capacity		Water Flow Rate		Water Pressure		Total capacity		Water Flow Rate		Water Presssure	
			CFM	L/s	kW	MbH	L/s	GPM	kPa	ft.wg	kW	MbH	L/s	GPM	kPa	ft.wg
180°F (82.2°C) Entering Water Temperature	DFC CT 03T	High	358	169	7.52	25.67	0.268	4.24	57.33	18.81	7.12	24.30	0.139	2.20	26.63	8.73
		Med	290	137	6.51	22.22	0.232	3.67	47.23	15.49	6.18	21.09	0.12	1.90	23.39	7.67
		Low	275	130	6.25	21.33	0.223	3.53	44.89	14.73	5.94	20.27	0.116	1.84	22.75	7.46
	DFC CT 04T	High	405	191	8.96	30.58	0.32	5.07	74.01	24.28	8.50	29.01	0.166	2.63	31.80	10.43
		Med	347	164	8.08	27.58	0.288	4.56	63.46	20.81	7.59	25.90	0.148	2.34	28.28	9.28
		Low	294	139	7.18	24.51	0.256	4.05	53.83	17.66	6.77	23.11	0.132	2.09	25.40	8.33
	DFC CT 05T	High	572	270	14.83	50.61	0.529	8.38	63.10	20.70	14.26	48.67	0.278	4.40	28.23	9.26
		Med	443	209	12.16	41.50	0.434	6.87	47.64	15.63	11.79	40.24	0.23	3.64	23.75	7.79
		Low	326	154	9.55	32.59	0.341	5.40	35.17	11.54	9.23	31.50	0.18	2.85	19.84	6.51
	DFC CT 06T	High	631	298	15.92	54.33	0.568	9.00	70.25	23.04	15.30	52.22	0.298	4.72	30.30	9.94
		Med	492	232	13.22	45.12	0.472	7.48	53.50	17.55	12.67	43.24	0.247	3.91	25.26	8.28
		Low	379	179	10.73	36.62	0.383	6.07	40.48	13.28	10.41	35.53	0.203	3.22	21.54	7.07
	DFC CT 08T	High	850	401	20.47	69.86	0.731	11.58	105.15	34.49	19.52	66.62	0.38	6.02	40.08	13.15
		Med	714	337	18.00	61.43	0.643	10.18	85.30	27.98	17.20	58.70	0.335	5.31	34.46	11.30
		Low	523	247	14.22	48.53	0.508	8.05	59.45	19.50	13.64	46.55	0.266	4.21	27.05	8.87
	DFC CT 10T	High	1110	524	25.35	86.52	0.905	14.33	117.08	38.40	24.88	84.92	0.485	7.68	45.62	14.96
		Med	820	387	20.68	70.58	0.738	11.69	84.07	27.58	19.99	68.23	0.389	6.16	34.67	11.37
		Low	638	301	17.15	58.53	0.612	9.69	63.18	20.72	16.62	56.72	0.324	5.13	28.39	9.31
	DFC CT 12T	High	1430	675	31.25	106.66	1.116	17.67	167.46	54.93	30.65	104.61	0.597	9.46	60.92	19.98
		Med	1214	573	27.89	95.19	0.996	15.77	137.62	45.14	27.21	92.87	0.53	8.39	51.44	16.87
		Low	888	419	22.63	77.24	0.808	12.80	97.17	31.87	21.89	74.71	0.427	6.76	38.76	12.71
	DFC CT 14T	High	1422	671	31.07	106.04	1.109	17.56	165.63	54.33	30.27	103.31	0.59	9.34	59.89	19.64
		Med	1108	523	26.08	89.01	0.931	14.74	122.77	40.27	25.46	86.89	0.496	7.86	47.00	15.42
		Low	818	386	21.20	72.36	0.757	11.99	87.52	28.71	20.39	69.59	0.397	6.29	35.50	11.65
	DFC CT 17T	High	1595	753	33.08	112.90	1.181	18.70	245.22	80.43	32.63	111.37	0.636	10.07	80.28	26.33
		Med	1447	683	30.81	105.15	1.1	17.42	214.69	70.42	30.41	103.79	0.593	9.39	71.32	23.39
		Low	1305	616	28.89	98.60	1.031	16.33	190.34	62.43	28.16	96.11	0.549	8.69	62.76	20.58
160°F (71.1°C) Entering Water Temperature	DFC CT 03T	High	358	169	6.09	20.79	0.217	3.44	43.38	14.23	5.69	19.42	0.111	1.76	21.98	7.21
		Med	290	137	5.28	18.02	0.188	2.98	36.50	11.97	4.88	16.66	0.095	1.50	19.64	6.44
		Low	275	130	5.07	17.30	0.181	2.87	34.96	11.47	4.75	16.21	0.093	1.47	19.36	6.35
	DFC CT 04T	High	405	191	7.27	24.81	0.26	4.12	54.99	18.04	6.71	22.90	0.131	2.07	25.23	8.27
		Med	347	164	6.48	22.12	0.231	3.66	46.97	15.41	6.08	20.75	0.118	1.87	23.07	7.57
		Low	294	139	5.76	19.66	0.206	3.26	40.68	13.34	5.42	18.50	0.106	1.68	21.22	6.96
	DFC CT 05T	High	572	270	12.04	41.09	0.43	6.81	47.05	15.43	11.46	39.11	0.223	3.53	23.16	7.60
		Med	443	209	9.89	33.75	0.353	5.59	36.63	12.02	9.48	32.36	0.185	2.93	20.20	6.62
		Low	326	154	7.77	26.52	0.277	4.39	28.13	9.23	7.44	25.39	0.145	2.30	17.55	5.76
	DFC CT 06T	High	631	298	12.93	44.13	0.462	7.32	51.91	17.03	12.28	41.91	0.239	3.79	24.54	8.05
		Med	492	232	10.75	36.69	0.384	6.08	40.61	13.32	10.18	34.74	0.198	3.14	21.16	6.94
		Low	379	179	8.73	29.80	0.312	4.94	31.83	10.44	8.38	28.60	0.163	2.58	18.68	6.13
	DFC CT 08T	High	850	401	16.62	56.72	0.593	9.39	75.08	24.62	15.45	52.73	0.301	4.77	30.62	10.04
		Med	714	337	14.63	49.93	0.522	8.27	61.87	20.29	13.64	46.55	0.266	4.21	27.05	8.87
		Low	523	247	11.56	39.45	0.413	6.54	44.60	14.63	10.90	37.20	0.212	3.36	22.26	7.30
	DFC CT 10T	High	1110	524	20.70	70.65	0.739	11.70	84.25	27.63	20.10	68.60	0.392	6.21	34.98	11.47
		Med	820	387	16.99	57.99	0.606	9.60	62.27	20.43	16.23	55.39	0.316	5.00	27.69	9.08
		Low	638	301	14.02	47.85	0.5	7.92	47.51	15.58	13.36	45.60	0.26	4.12	23.11	7.58
	DFC CT 12T	High	1430	675	25.68	87.65	0.917	14.52	119.69	39.26	24.69	84.27	0.481	7.62	45.12	14.80
		Med	1214	573	22.91	78.19	0.818	12.96	99.13	32.51	21.94	74.88	0.427	6.76	38.76	12.71
		Low	888	419	18.39	62.77	0.656	10.39	70.08	22.99	17.57	59.97	0.342	5.42	30.04	9.85
	DFC CT 14T	High	1422	671	25.36	86.55	0.905	14.33	117.08	38.40	24.37	83.17	0.475	7.52	44.38	14.56
		Med	1108	523	21.43	73.14	0.765	12.12	89.00	29.19	20.40	69.63	0.397	6.29	35.50	11.65
		Low	818	386	17.32	59.11	0.618	9.79	64.10	21.02	16.38	55.90	0.319	5.05	27.95	9.17
	DFC CT 17T	High	1595	753	27.47	93.76	0.981	15.54	173.65	56.96	26.07	88.98	0.508	8.05	55.34	18.15
		Med	1447	683	25.31	86.38	0.903	14.30	149.20	48.94	24.32	83.00	0.474	7.51	49.59	16.27
		Low	1305	616	23.73	80.99	0.847	13.41	132.86	43.58	22.83	77.92	0.445	7.05	44.99	14.76

Table 6

Cooling Capacity Ratings

4 pipe

80/67°F (26.7/19.4°C) Entering Air Dry Bulb / Wet Bulb Temperature																				
Model		Speed	Airflow Rate		10°F (5.5°C) Water Temperature Rise								16°F (8.9°C) Water Temperature Rise							
					Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure		Total capacity		Sensible Capacity		Water Flow Rate		Water Presssure	
			CFM	L/s	Kw	MBh	Kw	MBh	L/s	GPM	kPa	ft.wg	kw	MBh	kW	MBh	L/s	GPM	kPa	ft.wg
42°F (5.5°C) Entering Water Temperature	DFC CT 04F	High	396	187	2.83	9.66	1.87	6.38	0.123	1.95	75.32	24.70	2.2	7.51	1.62	5.53	0.059	0.93	29.33	9.62
		Med	337	159	2.18	7.44	1.56	5.32	0.094	1.49	51.07	16.75	1.69	5.77	1.35	4.61	0.045	0.71	22.93	7.52
		Low	305	144	1.52	5.19	1.14	3.89	0.066	1.05	33.02	10.83	1.18	4.03	0.99	3.38	0.032	0.51	18.16	5.96
	DFC CT 05F	High	500	236	3.37	11.50	2.29	7.82	0.146	2.31	17.38	5.70	2.62	8.94	1.99	6.79	0.07	1.11	14.19	4.66
		Med	373	176	2.61	8.91	1.87	6.38	0.113	1.79	15.77	5.17	2.03	6.93	1.62	5.53	0.054	0.86	13.75	4.51
		Low	309	146	1.96	6.69	1.46	4.98	0.085	1.35	14.68	4.82	1.52	5.19	1.26	4.30	0.041	0.65	13.45	4.41
	DFC CT 06F	High	557	263	3.92	13.38	2.6	8.87	0.17	2.69	18.75	6.15	3.04	10.38	2.26	7.71	0.081	1.28	14.54	4.77
		Med	413	195	3.05	10.41	2.18	7.44	0.132	2.09	16.65	5.46	2.37	8.09	1.9	6.48	0.063	1.00	13.99	4.59
		Low	343	162	2.28	7.78	1.77	6.04	0.099	1.57	15.20	4.98	1.77	6.04	1.53	5.22	0.047	0.74	13.59	4.46
	DFC CT 08F	High	767	362	5.22	17.82	3.53	12.05	0.226	3.58	22.67	7.43	4.06	13.86	3.07	10.48	0.109	1.73	15.60	5.12
		Med	667	315	4.02	13.72	2.91	9.93	0.174	2.76	19.00	6.23	3.13	10.68	2.53	8.63	0.084	1.33	14.65	4.80
		Low	538	254	3.26	11.13	2.5	8.53	0.141	2.23	17.11	5.61	2.54	8.67	2.17	7.41	0.068	1.08	14.14	4.64
	DFC CT 10F	High	924	436	6.53	22.29	4.37	14.91	0.283	4.48	46.74	15.33	5.07	17.30	3.79	12.94	0.136	2.15	21.56	7.07
		Med	691	326	5.11	17.44	3.64	12.42	0.221	3.50	34.37	11.27	3.97	13.55	3.16	10.79	0.106	1.68	18.18	5.96
		Low	572	270	3.92	13.38	3.01	10.27	0.17	2.69	26.10	8.56	3.04	10.38	2.62	8.94	0.081	1.28	15.83	5.19
	DFC CT 12F	High	1123	530	7.61	25.97	5.09	17.37	0.329	5.21	57.57	18.88	5.92	20.20	4.42	15.09	0.158	2.50	24.41	8.01
		Med	939	443	6.53	22.29	4.68	15.97	0.283	4.48	46.74	15.33	5.07	17.30	4.06	13.86	0.136	2.15	21.56	7.07
		Low	589	278	5	17.07	3.85	13.14	0.216	3.42	33.48	10.98	3.89	13.28	3.34	11.40	0.104	1.65	17.98	5.90
	DFC CT14F	High	1227	579	9.14	31.19	6.13	20.92	0.396	6.27	75.86	24.88	7.1	24.23	5.33	18.19	0.19	3.01	29.14	9.56
		Med	888	419	7.07	24.13	5.09	17.37	0.306	4.85	51.98	17.05	5.49	18.74	4.42	15.09	0.147	2.33	22.94	7.53
		Low	631	298	5.44	18.57	4.16	14.20	0.235	3.72	36.94	12.12	4.23	14.44	3.61	12.32	0.113	1.79	18.91	6.20
	DFC CT 17F	High	1623	766	11.2	38.23	8.84	30.17	0.485	7.68	116.34	38.16	8.7	29.69	7.67	26.18	0.233	3.69	40.39	13.25
		Med	1178	556	8.16	27.85	6.45	22.01	0.353	5.59	70.86	23.24	6.34	21.64	5.6	19.11	0.17	2.69	28.54	9.36
		Low	883	417	6.2	21.16	4.89	16.69	0.268	4.24	48.21	15.81	4.82	16.45	4.24	14.47	0.129	2.04	22.36	7.33
45°F (7.2°C) Entering Water Temperature	DFC CT 04F	High	396	187	2.43	8.29	1.71	5.84	0.105	1.66	59.61	19.55	1.84	6.28	1.49	5.09	0.049	0.78	24.62	8.08
		Med	337	159	1.87	6.38	1.43	4.88	0.081	1.28	42.04	13.79	1.41	4.81	1.24	4.23	0.038	0.60	20.22	6.63
		Low	305	144	1.31	4.47	1.05	3.58	0.057	0.90	28.33	9.29	0.99	3.38	0.91	3.11	0.026	0.41	16.34	5.36
	DFC CT 05F	High	500	236	2.89	9.86	2.09	7.13	0.125	1.98	16.32	5.35	2.19	7.47	1.82	6.21	0.059	0.93	13.88	4.55
		Med	373	176	2.24	7.65	1.71	5.84	0.097	1.54	15.12	4.96	1.7	5.80	1.49	5.09	0.045	0.71	13.54	4.44
		Low	309	146	1.68	5.73	1.33	4.54	0.073	1.16	14.29	4.69	1.27	4.33	1.16	3.96	0.034	0.54	13.32	4.37
	DFC CT 06F	High	557	263	3.36	11.47	2.38	8.12	0.145	2.30	17.32	5.68	2.55	8.70	2.07	7.06	0.068	1.08	14.14	4.64
		Med	413	195	2.61	8.91	2	6.83	0.113	1.79	15.77	5.17	1.98	6.76	1.74	5.94	0.053	0.84	13.73	4.50
		Low	343	162	1.96	6.69	1.62	5.53	0.085	1.35	14.68	4.82	1.49	5.09	1.41	4.81	0.04	0.63	13.43	4.41
	DFC CT 08F	High	767	362	4.48	15.29	3.24	11.06	0.194	3.07	20.31	6.66	3.39	11.57	2.82	9.62	0.091	1.44	14.89	4.89
		Med	667	315	3.45	11.77	2.66	9.08	0.149	2.36	17.54	5.75	2.62	8.94	2.32	7.92	0.07	1.11	14.19	4.66
		Low	538	254	2.8	9.56	2.28	7.78	0.121	1.92	16.13	5.29	2.12	7.24	1.99	6.79	0.057	0.90	13.83	4.54
	DFC CT 10F	High	924	436	5.6	19.11	4	13.65	0.242	3.83	38.27	12.55	4.24	14.47	3.48	11.88	0.113	1.79	18.91	6.20
		Med	691	326	4.39	14.98	3.33	11.37	0.19	3.01	29.14	9.56	3.32	11.33	2.9	9.90	0.089	1.41	16.53	5.42
		Low	572	270	3.36	11.47	2.76	9.42	0.145	2.30	22.68	7.44	2.55	8.70	2.41	8.23	0.068	1.08	14.76	4.84
	DFC CT 12F	High	1123	530	6.53	22.29	4.66	15.90	0.283	4.48	46.74	15.33	4.95	16.89	4.06	13.86	0.132	2.09	21.07	6.91
		Med	939	443	5.6	19.11	4.28	14.61	0.242	3.83	38.27	12.55	4.24	14.47	3.73	12.73	0.113	1.79	18.91	6.20
		Low	589	278	4.29	14.64	3.52	12.01	0.186	2.95	28.51	9.35	3.25	11.09	3.07	10.48	0.087	1.38	16.35	5.36
	DFC CT14F	High	1227	579	7.84	26.76	5.61	19.15	0.339	5.37	60.11	19.72	5.94	20.27	4.89	16.69	0.159	2.52	24.55	8.05
		Med	888	419	6.07	20.72	4.66	15.90	0.263	4.17	42.47	13.93	4.6	15.70	4.06	13.86	0.123	1.95	20.02	6.57
		Low	631	298	4.67	15.94	3.81	13.00	0.202	3.20	31.09	10.20	3.54	12.08	3.32	11.33	0.095	1.50	17.09	5.61
	DFC CT 17F	High	1623	766	9.62	32.83	8.09	27.61	0.416	6.59	91.00	29.85	7.28	24.85	7.05	24.06	0.195	3.09	32.90	10.79
		Med	1178	556	7	23.89	5.9	20.14	0.303	4.80	56.91	18.67	5.3	18.09	5.14	17.54	0.142	2.25	24.19	7.93
		Low	883	417	5.32	18.16	4.47	15.26	0.23	3.64	39.77	13.04	4.03	13.75	3.9	13.31	0.108	1.71	19.66	6.45
48°F (8.9°C) Entering Water Temperature	DFC CT 04F	High	396	187	2.01	6.86	1.55	5.29	0.087	1.38	46.07	15.11	1.53	5.22	1.38	4.71	0.041	0.65	21.34	7.00
		Med	337	159	1.54	5.26	1.29	4.40	0.067	1.06	33.57	11.01	1.18	4.03	1.15	3.92	0.032	0.51	18.16	5.96
		Low	305	144	1.08	3.69	0.95	3.24	0.047	0.74	23.76	7.79	0.83	2.83	0.83	2.83	0.022	0.35	15.26	5.01
	DFC CT 05F	High	500	236	2.39	8.16	1.9	6.48	0.103	1.63	15.36	5.04	1.83	6.25	1.69	5.77	0.049	0.78	13.63	4.47
		Med	373	176	1.85	6.31	1.55	5.29	0.08	1.27	14.51	4.76	1.42	4.85	1.38	4.71	0.038	0.60	13.39	4.39
		Low	309	146	1.39	4.74	1.21	4.13	0.06	0.95	13.91	4.56	1.06	3.62	1.06	3.62	0.028	0.44	13.21	4.33
	DFC CT 06F	High	557	263	2.78	9.49	2.16	7.37	0.12	1.90	16.09	5.28	2.12	7.24	1.92	6.55	0.057	0.90	13.83	4.54
		Med	413	195	2.16	7.37	1.81	6.18	0.094	1.49	15.00	4.92	1.65	5.63	1.61	5.49	0.044	0.70	13.52	4.43
		Low	343	162	1.62	5.53	1.47	5.02	0.07	1.11	14.19	4.66	1.24	4.23	1.24	4.23	0.033	0.52	13.30	4.36
	DFC CT 08F	High	767	362	3.7	12.63	2.93	10.00	0.16	2.53	18.16	5.96	2.83	9.66	2.61	8.91	0.076	1.20	14.38	4.72
		Med	667	315	2.85	9.73	2.42	8.26	0.123	1.95	16.22	5.32	2.18	7.44	2.15	7.34	0.058	0.92	13.86	4.54
		Low	538	254	2.31	7.88	2.07	7.06	0.1	1.58	15.24	5.00	1.77	6.04	1.77	6.04	0.047	0.74	13.59	4.46
	DFC CT 10F	High	924	436	4.63	15.80	3.62	12.36	0.2	3.17										

Cooling Capacity Ratings

4 pipe

78/65°F (25.6/18.3°C) Entering Air Dry Bulb / Wet Bulb Temperature																				
Model		Speed	Airflow Rate		10°F (5.5°C) Water Temperature Rise								16°F (8.9°C) Water Temperature Rise							
					Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure		Total capacity		Sensible Capacity		Water Flow Rate		Water Presssure	
			CFM	L/s	Kw	MBh	Kw	MBh	L/s	GPM	kPa	ft.wg	kw	MBh	kW	MBh	L/s	GPM	kPa	ft.wg
42°F (5.5°C) Entering Water Temperature	DFC CT 04F	High	396	187	2.45	8.4	1.76	6.01	0.106	1.68	60.42	19.82	1.9	6.48	1.55	5.29	0.051	0.81	25.51	8.37
		Med	337	159	1.89	6.5	1.47	5.02	0.082	1.30	42.69	14.00	1.46	4.98	1.29	4.40	0.039	0.62	20.58	6.75
		Low	305	144	1.32	4.5	1.08	3.69	0.057	0.90	28.33	9.29	1.02	3.48	0.94	3.21	0.027	0.43	16.63	5.45
	DFC CT 05F	High	500	236	2.92	10.0	2.16	7.37	0.126	2.00	78.15	25.63	2.27	7.75	1.89	6.45	0.061	0.97	13.94	4.57
		Med	373	176	2.26	7.7	1.76	6.01	0.098	1.55	15.16	4.97	1.76	6.01	1.55	5.29	0.047	0.74	13.59	4.46
		Low	309	146	1.7	5.8	1.37	4.68	0.074	1.17	14.32	4.70	1.32	4.51	1.2	4.10	0.035	0.55	13.33	4.37
	DFC CT 06F	High	557	263	3.4	11.6	2.45	8.36	0.147	2.33	17.43	5.72	2.64	9.01	2.15	7.34	0.071	1.12	14.22	4.67
		Med	413	195	2.64	9.0	2.06	7.03	0.114	1.81	15.82	5.19	2.05	7.00	1.8	6.14	0.055	0.87	13.78	4.52
		Low	343	162	1.98	6.8	1.67	5.70	0.086	1.36	14.71	4.83	1.54	5.26	1.46	4.98	0.041	0.65	13.45	4.41
	DFC CT 08F	High	767	362	4.53	15.5	3.33	11.37	0.196	3.10	20.45	6.71	3.51	11.98	2.92	9.97	0.094	1.49	15.00	4.92
		Med	667	315	3.49	11.9	2.74	9.35	0.151	2.39	17.65	5.79	2.71	9.25	2.41	8.23	0.072	1.14	14.26	4.68
		Low	538	254	2.83	9.7	2.35	8.02	0.123	1.95	16.22	5.32	2.2	7.51	2.06	7.03	0.059	0.93	13.88	4.55
	DFC CT 10F	High	924	436	5.66	19.3	4.12	14.06	0.245	3.88	24.22	7.94	4.39	14.98	3.61	12.32	0.117	1.85	15.95	5.23
		Med	691	326	4.43	15.1	3.43	11.71	0.192	3.04	29.46	9.66	3.44	11.74	3.01	10.27	0.092	1.46	16.81	5.51
		Low	572	270	3.4	11.6	2.84	9.69	0.147	2.33	22.94	7.53	2.64	9.01	2.49	8.50	0.071	1.12	15.00	4.92
	DFC CT 12F	High	1123	530	6.6	22.5	4.8	16.38	0.286	4.53	47.40	15.55	5.12	17.47	4.21	14.37	0.137	2.17	21.68	7.11
		Med	939	443	5.66	19.3	4.41	15.05	0.245	3.88	38.85	12.74	4.39	14.98	3.87	13.21	0.117	1.85	19.35	6.35
		Low	589	278	4.34	14.8	3.63	12.39	0.188	2.98	28.82	9.45	3.37	11.50	3.18	10.85	0.09	1.43	16.63	5.45
	DFC CT 14F	High	1227	579	7.92	27.0	5.78	19.73	0.343	5.43	61.15	20.06	6.15	20.99	5.07	17.30	0.165	2.61	25.39	8.33
		Med	888	419	6.13	20.9	4.8	16.38	0.265	4.20	42.88	14.07	4.76	16.25	4.21	14.37	0.127	2.01	20.48	6.72
		Low	631	298	4.72	16.1	3.92	13.38	0.204	3.23	31.42	10.31	3.66	12.49	3.44	11.74	0.098	1.55	17.38	5.70
	DFC CT 17F	High	1623	766	9.72	33.2	8.33	28.43	0.421	6.67	83.45	27.37	7.54	25.73	7.3	24.91	0.202	3.20	31.09	10.20
		Med	1178	556	7.07	24.1	6.08	20.75	0.306	4.85	57.70	18.92	5.49	18.74	5.33	18.19	0.147	2.33	24.93	8.18
		Low	883	417	5.38	18.4	4.61	15.73	0.233	3.69	40.39	13.25	4.17	14.23	4.04	13.79	0.112	1.77	20.15	6.61
45°F (7.2°C) Entering Water Temperature	DFC CT 04F	High	396	187	2.06	7.0	1.61	5.49	0.089	1.41	17.49	5.74	1.6	5.46	1.43	4.88	0.043	0.68	13.32	4.37
		Med	337	159	1.58	5.4	1.34	4.57	0.068	1.08	34.13	11.20	1.23	4.20	1.19	4.06	0.033	0.52	18.49	6.06
		Low	305	144	1.11	3.8	0.98	3.34	0.048	0.76	24.19	7.93	0.86	2.94	0.86	2.94	0.023	0.36	15.52	5.09
	DFC CT 05F	High	500	236	2.46	8.4	1.96	6.69	0.106	1.68	60.42	19.82	1.91	6.52	1.75	5.97	0.051	0.81	25.51	8.37
		Med	373	176	1.9	6.5	1.61	5.49	0.082	1.30	14.58	4.78	1.48	5.05	1.43	4.88	0.04	0.63	13.43	4.41
		Low	309	146	1.43	4.9	1.25	4.27	0.062	0.98	13.96	4.58	1.11	3.79	1.11	3.79	0.03	0.48	13.24	4.34
	DFC CT 06F	High	557	263	2.85	9.7	2.23	7.61	0.123	1.95	16.22	5.32	2.22	7.58	1.99	6.79	0.059	0.93	13.88	4.55
		Med	413	195	2.22	7.6	1.87	6.38	0.096	1.52	15.08	4.95	1.73	5.90	1.67	5.70	0.046	0.73	13.56	4.45
		Low	343	162	1.66	5.7	1.52	5.19	0.072	1.14	14.26	4.68	1.29	4.40	1.29	4.40	0.035	0.55	13.33	4.37
	DFC CT 08F	High	767	362	3.8	13.0	3.03	10.34	0.165	2.61	18.45	6.05	2.96	10.10	2.71	9.25	0.079	1.25	14.48	4.75
		Med	667	315	2.93	10.0	2.5	8.53	0.127	2.01	16.41	5.38	2.28	7.78	2.23	7.61	0.061	0.97	13.94	4.57
		Low	538	254	2.38	8.1	2.14	7.30	0.103	1.63	15.36	5.04	1.85	6.31	1.85	6.31	0.049	0.78	13.63	4.47
	DFC CT 10F	High	924	436	4.75	16.2	3.75	12.80	0.206	3.26	21.16	6.94	3.7	12.63	3.35	11.43	0.099	1.57	15.20	4.98
		Med	691	326	3.72	12.7	3.12	10.65	0.161	2.55	24.83	8.14	2.9	9.90	2.79	9.52	0.078	1.24	15.57	5.11
		Low	572	270	2.85	9.7	2.59	8.84	0.123	1.95	20.02	6.57	2.22	7.58	2.22	7.58	0.059	0.93	14.10	4.62
	DFC CT 12F	High	1123	530	5.54	18.9	4.37	14.91	0.24	3.80	37.89	12.43	4.31	14.71	3.9	13.31	0.115	1.82	19.13	6.27
		Med	939	443	4.75	16.2	4.02	13.72	0.206	3.26	31.76	10.42	3.7	12.63	3.58	12.22	0.099	1.57	17.48	5.73
		Low	589	278	3.64	12.4	3.3	11.26	0.158	2.50	24.41	8.01	2.83	9.66	2.83	9.66	0.076	1.20	15.40	5.05
	DFC CT 14F	High	1227	579	6.65	22.7	5.27	17.99	0.288	4.56	47.85	15.69	5.18	17.68	4.7	16.04	0.139	2.20	21.93	7.19
		Med	888	419	5.15	17.6	4.37	14.91	0.223	3.53	34.73	11.39	4	13.65	3.9	13.31	0.107	1.69	18.28	6.00
		Low	631	298	3.96	13.5	3.57	12.18	0.171	2.71	26.25	8.61	3.08	10.51	3.08	10.51	0.082	1.30	15.91	5.22
	DFC CT 17F	High	1623	766	8.16	27.9	7.59	25.90	0.353	5.59	63.78	20.92	6.35	21.67	6.35	21.67	0.17	2.69	26.10	8.56
		Med	1178	556	5.94	20.3	5.53	18.87	0.257	4.07	45.66	14.98	4.62	15.77	4.62	15.77	0.124	1.96	21.69	7.11
		Low	883	417	4.52	15.4	4.19	14.30	0.196	3.10	33.09	10.85	3.51	11.98	3.51	11.98	0.094	1.49	18.04	5.92
48°F (8.9°C) Entering Water Temperature	DFC CT 04F	High	396	187	1.73	5.9	1.48	5.05	0.075	1.19	16.06	5.27	1.27	4.33	1.24	4.23	0.034	0.54	12.68	4.16
		Med	337	159	1.33	4.5	1.23	4.20	0.058	0.92	28.82	9.45	0.98	3.34	0.98	3.34	0.026	0.41	16.34	5.36
		Low	305	144	0.93	3.2	0.9	3.07	0.04	0.63	20.96	6.87	0.69	2.35	0.69	2.35	0.018	0.29	14.29	4.69
	DFC CT 05F	High	500	236	2.06	7.0	1.81	6.18	0.089	1.41	47.46	15.57	1.52	5.19	1.51	5.15	0.041	0.65	21.34	7.00
		Med	373	176	1.59	5.4	1.48	5.05	0.069	1.09	14.16	4.65	1.18	4.03	1.18	4.03	0.032	0.51	13.28	4.36
		Low	309	146	1.19	4.1	1.15	3.92	0.052	0.82	13.70	4.50	0.88	3.00	0.88	3.00	0.024	0.38	13.14	4.31
	DFC CT 06F	High	557	263	2.39	8.2	2.06	7.03	0.103	1.63	15.36	5.04	1.76	6.01	1.72	5.87	0.047	0.74	13.59	4.46
		Med	413	195	1.86	6.3	1.73	5.90	0.081	1.28	14.54	4.77	1.37	4.68	1.37	4.68	0.037	0.59	13.37	4.39
		Low	343	162	1.39	4.7	1.39	4.74	0.06	0.95	13.91	4.56	1.03	3.52	1.03	3.52	0.028	0.44	13.21	4.33
	DFC CT 08F	High	767	362	3.19	10.9	2.79	9.52	0.138	2.19	16.96	5.56	2.35	8.02	2.34	7.99	0.063	1.00	13.99	4.59
		Med	667	315	2.46	8.4	2.3	7.85	0.106	1.68	15.48	5.08	1.81	6.18	1.81	6.18	0.048	0.76	13.61	4.46
		Low	538	254	1.99	6.8	1.97	6.72	0.086	1.36	14.71	4.83	1.47	5.02	1.47	5.02	0.039	0.62	13.41	4.40

Cooling Capacity Ratings

4 pipe

76/63°F (24.4/17.2°C) Entering Air Dry Bulb / Wet Bulb Temperature																					
Model		Speed	Airflow Rate		10°F (5.5°C) Water Temperature Rise								16°F (8.9°C) Water Temperature Rise								
					Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure		Total capacity		Sensible Capacity		Water Flow Rate		Water Pressuse		
			CFM	L/s	Kw	MBh	Kw	MBh	L/s	GPM	kPa	ft.wg	kw	MBh	kW	MBh	L/s	GPM	kPa	ft.wg	
42°F (5.5°C) Entering Water Temperature	DFC CT 04F	High	396	187	2.13	7.27	1.66	5.67	0.092	1.46	49.61	16.27	1.65	5.63	1.47	5.02	0.044	0.70	22.52	7.39	
		Med	337	159	1.63	5.56	1.38	4.71	0.071	1.12	35.86	11.76	1.27	4.33	1.22	4.16	0.034	0.54	18.82	6.17	
		Low	305	144	1.14	3.89	1.01	3.45	0.049	0.78	24.62	8.08	0.89	3.04	0.89	3.04	0.024	0.38	15.79	5.18	
	DFC CT 05F	High	500	236	2.53	8.63	2.02	6.89	0.11	1.74	63.75	20.91	1.97	6.72	1.79	6.11	0.053	0.84	26.42	8.67	
		Med	373	176	1.96	6.69	1.66	5.67	0.085	1.35	14.68	4.82	1.52	5.19	1.47	5.02	0.041	0.65	13.45	4.41	
		Low	309	146	1.47	5.02	1.29	4.40	0.064	1.01	14.02	4.60	1.14	3.89	1.14	3.89	0.03	0.48	13.24	4.34	
	DFC CT 06F	High	557	263	2.94	10.03	2.3	7.85	0.127	2.01	16.41	5.38	2.29	7.82	2.04	6.96	0.061	0.97	13.94	4.57	
		Med	413	195	2.29	7.82	1.93	6.59	0.099	1.57	15.20	4.98	1.78	6.08	1.71	5.84	0.048	0.76	13.61	4.46	
		Low	343	162	1.72	5.87	1.56	5.32	0.074	1.17	14.32	4.70	1.33	4.54	1.33	4.54	0.036	0.57	13.35	4.38	
	DFC CT 08F	High	767	362	3.92	13.38	3.13	10.68	0.17	2.69	18.75	6.15	3.05	10.41	2.77	9.45	0.082	1.30	14.58	4.78	
		Med	667	315	3.02	10.31	2.58	8.81	0.131	2.07	16.61	5.45	2.35	8.02	2.28	7.78	0.063	1.00	13.99	4.59	
		Low	538	254	2.45	8.36	2.21	7.54	0.106	1.68	15.48	5.08	1.91	6.52	1.91	6.52	0.051	0.81	13.68	4.49	
	DFC CT 10F	High	924	436	4.9	16.72	3.86	13.17	0.212	3.36	21.60	7.08	3.81	13.00	3.42	11.67	0.102	1.62	15.31	5.02	
		Med	691	326	3.84	13.11	3.22	10.99	0.166	2.63	25.53	8.37	2.99	10.20	2.85	9.73	0.08	1.27	15.74	5.16	
		Low	572	270	2.94	10.03	2.67	9.11	0.127	2.01	20.48	6.72	2.29	7.82	2.29	7.82	0.061	0.97	14.24	4.67	
	DFC CT 12F	High	1123	530	5.72	19.52	4.51	15.39	0.248	3.93	39.44	12.94	4.45	15.19	3.99	13.62	0.119	1.88	19.57	6.42	
		Med	939	443	4.9	16.72	4.14	14.13	0.212	3.36	32.78	10.75	3.81	13.00	3.67	12.53	0.102	1.62	17.78	5.83	
		Low	589	278	3.76	12.83	3.4	11.60	0.163	2.58	25.10	8.23	2.92	9.97	2.92	9.97	0.078	1.24	15.57	5.11	
	DFC CT14F	High	1227	579	6.87	23.45	5.43	18.53	0.297	4.70	49.89	16.36	5.33	18.19	4.81	16.42	0.143	2.26	22.43	7.36	
		Med	888	419	5.31	18.12	4.51	15.39	0.23	3.64	36.00	11.81	4.13	14.10	3.99	13.62	0.11	1.74	18.60	6.10	
		Low	631	298	4.09	13.96	3.68	12.56	0.177	2.80	27.14	8.90	3.18	10.85	3.18	10.85	0.085	1.35	16.17	5.31	
	DFC CT 17F	High	1623	766	8.42	28.74	7.82	26.69	0.365	5.78	67.03	21.99	6.54	22.32	6.54	22.32	0.175	2.77	26.84	8.80	
		Med	1178	556	6.13	20.92	5.7	19.45	0.265	4.20	47.51	15.58	4.76	16.25	4.76	16.25	0.127	2.01	22.09	7.25	
		Low	883	417	4.66	15.90	4.32	14.74	0.202	3.20	34.21	11.22	3.62	12.36	3.62	12.36	0.097	1.54	18.38	6.03	
45°F (7.2°C) Entering Water Temperature	DFC CT 04F	High	396	187	1.78	6.08	1.52	5.19	0.077	1.22	16.26	5.33	1.32	4.51	1.29	4.40	0.035	0.55	12.75	4.18	
		Med	337	159	1.37	4.68	1.27	4.33	0.059	0.93	29.33	9.62	1.02	3.48	1.02	3.48	0.027	0.43	16.63	5.45	
		Low	305	144	0.96	3.28	0.93	3.17	0.042	0.67	21.72	7.13	0.71	2.42	0.71	2.42	0.019	0.30	14.53	4.76	
	DFC CT 05F	High	500	236	2.13	7.27	1.86	6.35	0.092	1.46	49.61	16.27	1.58	5.39	1.57	5.36	0.042	0.67	21.72	7.13	
		Med	373	176	1.65	5.63	1.52	5.19	0.071	1.12	14.22	4.67	1.22	4.16	1.22	4.16	0.033	0.52	13.30	4.36	
		Low	309	146	1.24	4.23	1.18	4.03	0.054	0.86	13.75	4.51	0.92	3.14	0.92	3.14	0.025	0.40	13.16	4.32	
	DFC CT 06F	High	557	263	2.47	8.43	2.11	7.20	0.107	1.69	15.52	5.09	1.83	6.25	1.79	6.11	0.049	0.78	13.63	4.47	
		Med	413	195	1.92	6.55	1.77	6.04	0.083	1.31	14.61	4.79	1.43	4.88	1.43	4.88	0.038	0.60	13.39	4.39	
		Low	343	162	1.44	4.91	1.43	4.88	0.062	0.98	13.96	4.58	1.07	3.65	1.07	3.65	0.029	0.46	13.22	4.34	
	DFC CT 08F	High	767	362	3.29	11.23	2.87	9.80	0.142	2.25	17.16	5.63	2.44	8.33	2.43	8.29	0.065	1.03	14.05	4.61	
		Med	667	315	2.54	8.67	2.36	8.05	0.11	1.74	15.64	5.13	1.88	6.42	1.88	6.42	0.05	0.79	13.66	4.48	
		Low	538	254	2.06	7.03	2.02	6.89	0.089	1.41	14.82	4.86	1.53	5.22	1.53	5.22	0.041	0.65	13.45	4.41	
	DFC CT 10F	High	924	436	4.12	14.06	3.54	12.08	0.178	2.82	19.25	6.32	3.05	10.41	3	10.24	0.082	1.30	14.58	4.78	
		Med	691	326	3.23	11.02	2.95	10.07	0.14	2.22	22.05	7.23	2.39	8.16	2.39	8.16	0.064	1.01	14.46	4.74	
		Low	572	270	2.47	8.43	2.45	8.36	0.107	1.69	18.28	6.00	1.83	6.25	1.83	6.25	0.049	0.78	13.42	4.40	
	DFC CT 12F	High	1123	530	4.8	16.38	4.13	14.10	0.208	3.29	32.10	10.53	3.56	12.15	3.5	11.95	0.095	1.50	17.09	5.61	
		Med	939	443	4.12	14.06	3.8	12.97	0.178	2.82	27.29	8.95	3.05	10.41	3.05	10.41	0.082	1.30	15.91	5.22	
		Low	589	278	3.16	10.79	3.12	10.65	0.137	2.17	21.68	7.11	2.34	7.99	2.34	7.99	0.063	1.00	14.39	4.72	
	DFC CT14F	High	1227	579	6.87	23.45	5.43	18.53	0.297	4.70	49.89	16.36	5.33	18.19	4.81	16.42	0.143	2.26	22.43	7.36	
		Med	888	419	5.31	18.12	4.51	15.39	0.23	3.64	36.00	11.81	4.13	14.10	3.99	13.62	0.11	1.74	18.60	6.10	
		Low	631	298	4.09	13.96	3.68	12.56	0.177	2.80	27.14	8.90	3.18	10.85	3.18	10.85	0.085	1.35	16.17	5.31	
	DFC CT 17F	High	1623	766	8.42	28.74	7.82	26.69	0.365	5.78	67.03	21.99	6.54	22.32	6.54	22.32	0.175	2.77	26.84	8.80	
		Med	1178	556	6.13	20.92	5.7	19.45	0.265	4.20	47.51	15.58	4.76	16.25	4.76	16.25	0.127	2.01	22.09	7.25	
		Low	883	417	4.66	15.90	4.32	14.74	0.202	3.20	34.21	11.22	3.62	12.36	3.62	12.36	0.097	1.54	18.38	6.03	
48°F (8.9°C) Entering Water Temperature	DFC CT 04F	High	396	187	1.4	4.78	1.36	4.64	0.061	0.97	14.77	4.85	1.13	3.86	1.1	3.75	0.03	0.48	12.42	4.07	
		Med	337	159	1.08	3.69	1.08	3.69	0.047	0.74	23.76	7.79	0.87	2.97	0.87	2.97	0.023	0.36	15.52	5.09	
		Low	305	144	0.76	2.59	0.76	2.59	0.033	0.52	18.49	6.06	0.61	2.08	0.61	2.08	0.016	0.25	13.85	4.54	
	DFC CT 05F	High	500	236	1.67	5.70	1.67	5.70	0.072	1.14	36.44	11.95	1.34	4.57	1.34	4.57	0.036	0.57	19.51	6.40	
		Med	373	176	1.29	4.40	1.29	4.40	0.056	0.89	13.80	4.53	1.04	3.55	1.04	3.55	0.028	0.44	13.21	4.33	
		Low	309	146	0.97	3.31	0.97	3.31	0.042	0.67	13.48	4.42	0.78	2.66	0.78	2.66	0.021	0.33	13.10	4.30	
	DFC CT 06F	High	557	263	1.94	6.62	1.89	6.45	0.084	1.33	14.65	4.80	1.56	5.32	1.52	5.19	0.042	0.67	13.48	4.42	
		Med	413	195	1.51	5.15	1.51	5.15	0.065	1.03	14.05	4.61	1.21	4.13	1.21	4.13	0.032	0.51	13.28	4.36	
		Low	343	162	1.13	3.86	1.13	3.86	0.049	0.78	13.63	4.47	0.91	3.11	0.91	3.11	0.024	0.38	13.14	4.31	
	DFC CT 08F	High	767	362	2.59	8.84	2.57	8.77	0.112	1.77	15.73	5.16	2.08	7.10	2.07	7.06	0.056	0.89	13.80	4.53	
		Med	667	315	2	6.83	2	6.83	0.087	1.38	14.75	4.84	1.6	5.46	1.6	5.46	0.043	0.68	13.50	4.43	
		Low	538	254	1.62	5.53	1.62	5.53	0.07	1.11	14.19	4.66	1.3	4.44	1.3	4.44	0.035	0.55	13.33	4.37	
	DFC CT 10F	High	924	436	3.24	11.06	3.18	10.85	0.14	2.22	17.06	5.60	2.6	8.87							

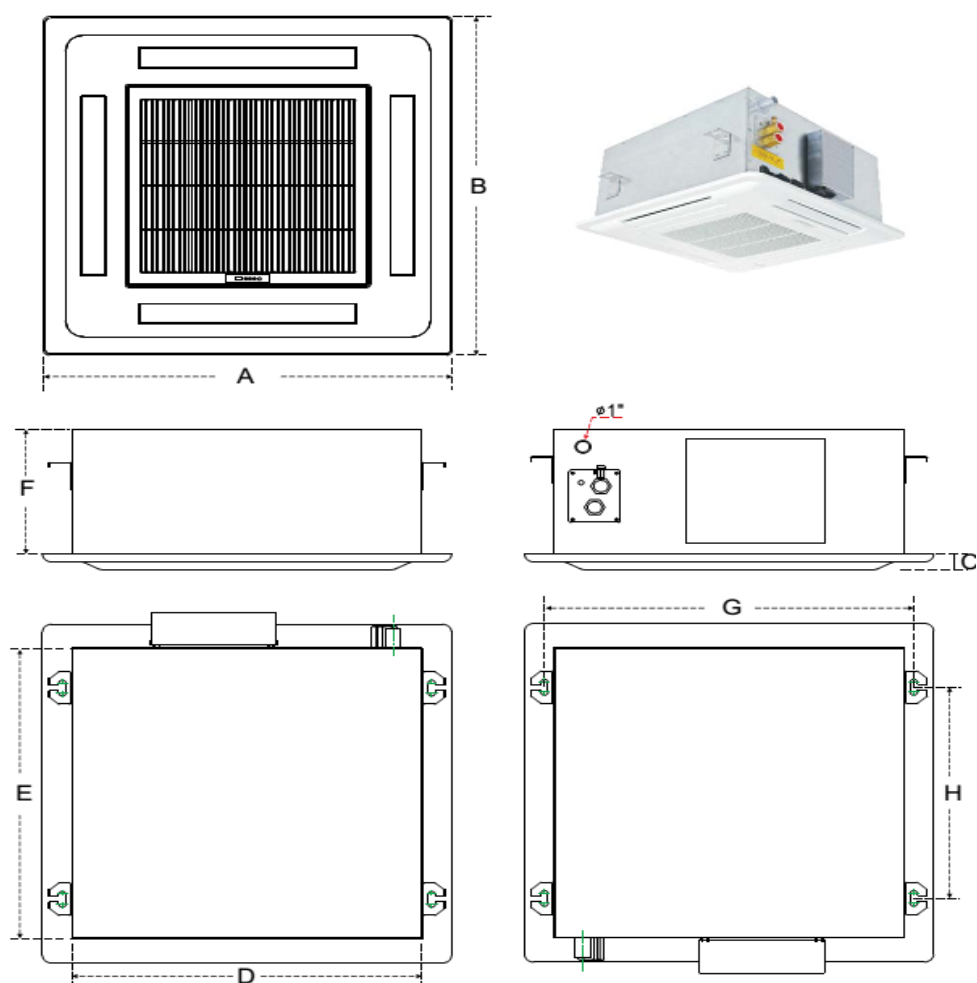
Heating Capacity Ratings

4 pipe

Air Temperature 20°C																
Model		Speed	Airflow Rate		20°F (-6.67°C) Water Temperature Rise						10°F(-12.22°C)WaterTemperature Rise					
					Total Capacity		Water Flow Rate		Water Pressure		Total capacity		Water Flow Rate		Water Presssure	
			CFM	L/s	kW	MbH	L/s	GPM	kPa	ft.wg	kW	MbH	L/s	GPM	kPa	ft.wg
180°F (82.2°C) Entering Water Temperature	DFC CT 04F	High	426	201	7.60	25.94	0.271	4.29	232.99	76.42	7.20	24.57	0.14	2.22	82.35	27.01
		Med	362	171	6.80	23.21	0.243	3.85	193.73	63.54	6.40	21.84	0.125	1.98	70.47	23.11
		Low	322	152	6.30	21.50	0.225	3.56	170.52	55.93	6.00	20.48	0.117	1.85	64.58	21.18
	DFC CT 05F	High	511	241	7.60	25.94	0.271	4.29	27.21	8.92	7.00	23.89	0.136	2.15	16.66	5.46
		Med	373	176	6.30	21.50	0.225	3.56	22.99	7.54	5.70	19.45	0.111	1.76	15.31	5.02
		Low	309	146	5.50	18.77	0.196	3.10	20.67	6.78	5.10	17.41	0.099	1.57	14.73	4.83
	DFC CT 06F	High	555	262	7.50	25.60	0.268	4.24	26.91	8.83	6.90	23.55	0.134	2.12	16.55	5.43
		Med	436	206	6.50	22.18	0.232	3.67	23.59	7.74	6.00	20.48	0.117	1.85	15.62	5.12
		Low	343	162	5.60	19.11	0.2	3.17	20.97	6.88	5.20	17.75	0.101	1.60	14.82	4.86
	DFC CT 08F	High	816	385	9.80	33.45	0.35	5.54	35.93	11.78	8.90	30.38	0.173	2.74	19.00	6.23
		Med	712	336	9.00	30.72	0.321	5.08	32.51	10.66	8.30	28.33	0.162	2.57	18.26	5.99
		Low	581	274	8.00	27.30	0.286	4.53	28.72	9.42	7.30	24.91	0.142	2.25	17.01	5.58
	DFC CT 10F	High	924	436	11.10	37.88	0.396	6.27	46.58	15.28	10.40	35.50	0.203	3.22	22.21	7.28
		Med	733	346	9.80	33.45	0.35	5.54	39.76	13.04	9.00	30.72	0.175	2.77	19.60	6.43
		Low	589	278	8.60	29.35	0.307	4.86	33.96	11.14	7.90	26.96	0.154	2.44	17.79	5.84
	DFC CT 12F	High	1123	530	12.60	43.00	0.45	7.13	55.38	18.17	11.60	39.59	0.226	3.58	24.53	8.05
		Med	956	451	11.50	39.25	0.411	6.51	48.94	16.05	10.60	36.18	0.207	3.28	22.60	7.41
		Low	606	286	8.70	29.69	0.311	4.93	34.48	11.31	8.10	27.65	0.158	2.50	18.13	5.95
	DFC CT14F	High	1284	606	13.30	45.39	0.475	7.52	59.76	19.60	12.40	42.32	0.242	3.83	26.24	8.61
		Med	939	443	11.00	37.54	0.393	6.22	46.11	15.12	10.30	35.15	0.201	3.18	22.02	7.22
		Low	638	301	8.80	30.03	0.314	4.97	34.87	11.44	8.20	27.99	0.16	2.53	18.30	6.00
	DFC CT 17F	High	1716	810	16.60	56.66	0.593	9.39	89.45	29.34	15.90	54.27	0.31	4.91	36.11	11.84
		Med	1235	583	13.80	47.10	0.493	7.81	67.04	21.99	13.20	45.05	0.257	4.07	29.59	9.70
		Low	941	444	11.90	40.61	0.425	6.73	54.03	17.72	11.10	37.88	0.216	3.42	25.29	8.29
160°F (71.1°C) Entering Water Temperature	DFC CT 04F	High	426	201	6.20	21.16	0.221	3.50	165.58	54.31	5.70	19.45	0.111	1.76	60.37	19.80
		Med	362	171	5.60	19.11	0.2	3.17	140.92	46.22	5.10	17.41	0.099	1.57	52.48	17.21
		Low	322	152	5.22	17.82	0.186	2.95	125.68	41.22	4.70	16.04	0.092	1.46	48.20	15.81
	DFC CT 05F	High	511	241	6.10	20.82	0.218	3.45	25.87	8.49	5.50	18.77	0.107	1.69	15.11	4.96
		Med	373	176	5.00	17.07	0.178	2.82	19.35	6.35	4.50	15.36	0.088	1.39	14.24	4.67
		Low	309	146	4.40	15.02	0.157	2.49	17.94	5.88	4.00	13.65	0.078	1.24	13.82	4.53
	DFC CT 06F	High	555	262	6.00	20.48	0.214	3.39	22.08	7.24	5.40	18.43	0.105	1.66	15.02	4.93
		Med	436	206	5.20	17.75	0.186	2.95	25.89	8.49	4.70	16.04	0.092	1.46	14.41	4.73
		Low	343	162	4.50	15.36	0.161	2.55	18.20	5.97	4.00	13.65	0.078	1.24	13.82	4.53
	DFC CT 08F	High	816	385	7.90	26.96	0.282	4.47	28.31	9.28	6.90	23.55	0.134	2.12	16.55	5.43
		Med	712	336	7.20	24.57	0.257	4.07	25.86	8.48	6.50	22.18	0.127	2.01	16.15	5.30
		Low	581	274	6.40	21.84	0.228	3.61	23.25	7.63	5.70	19.45	0.111	1.76	15.31	5.02
	DFC CT 10F	High	924	436	8.90	30.38	0.318	5.04	35.39	11.61	8.20	27.99	0.16	2.53	18.30	6.00
		Med	733	346	7.80	26.62	0.278	4.40	30.36	9.96	7.10	24.23	0.138	2.19	22.98	7.54
		Low	589	278	6.80	23.21	0.243	3.85	26.35	8.64	6.20	21.16	0.121	1.92	15.22	4.99
	DFC CT 12F	High	1123	530	10.10	34.47	0.361	5.72	41.33	13.56	9.20	31.40	0.179	2.83	19.96	6.55
		Med	956	451	9.20	31.40	0.328	5.19	36.72	12.05	8.20	27.99	0.16	2.53	18.30	6.00
		Low	606	286	7.00	23.89	0.25	3.96	29.25	9.59	6.30	21.50	0.123	1.95	15.37	5.04
	DFC CT14F	High	1284	606	10.80	36.86	0.386	6.11	45.04	14.77	9.80	33.45	0.191	3.02	21.06	6.91
		Med	939	443	8.90	30.38	0.318	5.04	35.39	11.61	8.10	27.65	0.158	2.50	18.13	5.95
		Low	638	301	7.00	23.89	0.25	3.96	27.12	8.90	6.50	22.18	0.127	2.01	15.66	5.14
	DFC CT 17F	High	1716	810	13.40	45.73	0.478	7.57	64.02	21.00	12.40	42.32	0.242	3.83	27.94	9.16
		Med	1235	583	11.40	38.91	0.407	6.45	50.88	16.69	10.40	35.50	0.203	3.22	24.06	7.89
		Low	941	444	9.60	32.76	0.343	5.43	40.72	13.36	8.90	30.38	0.173	2.74	21.48	7.05

Table 10

Unit dimensions



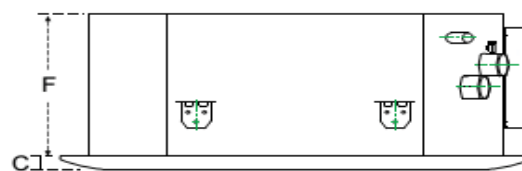
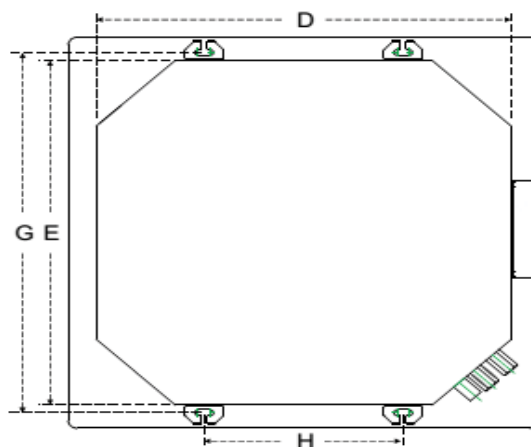
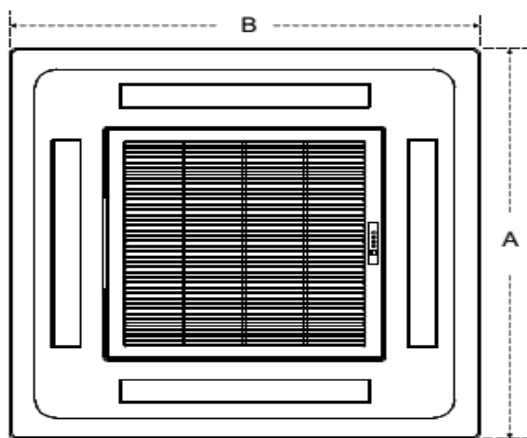
2 pipe

Model	Dimensions							
	A	B	C	D	E	F	G	H
DFC CT 02T	680	680	30	580	580	250	614	424
DFC CT 03T								
DFC CT 04T								

ALL DIMENSIONS ARE IN MM

Table 11

Unit dimensions



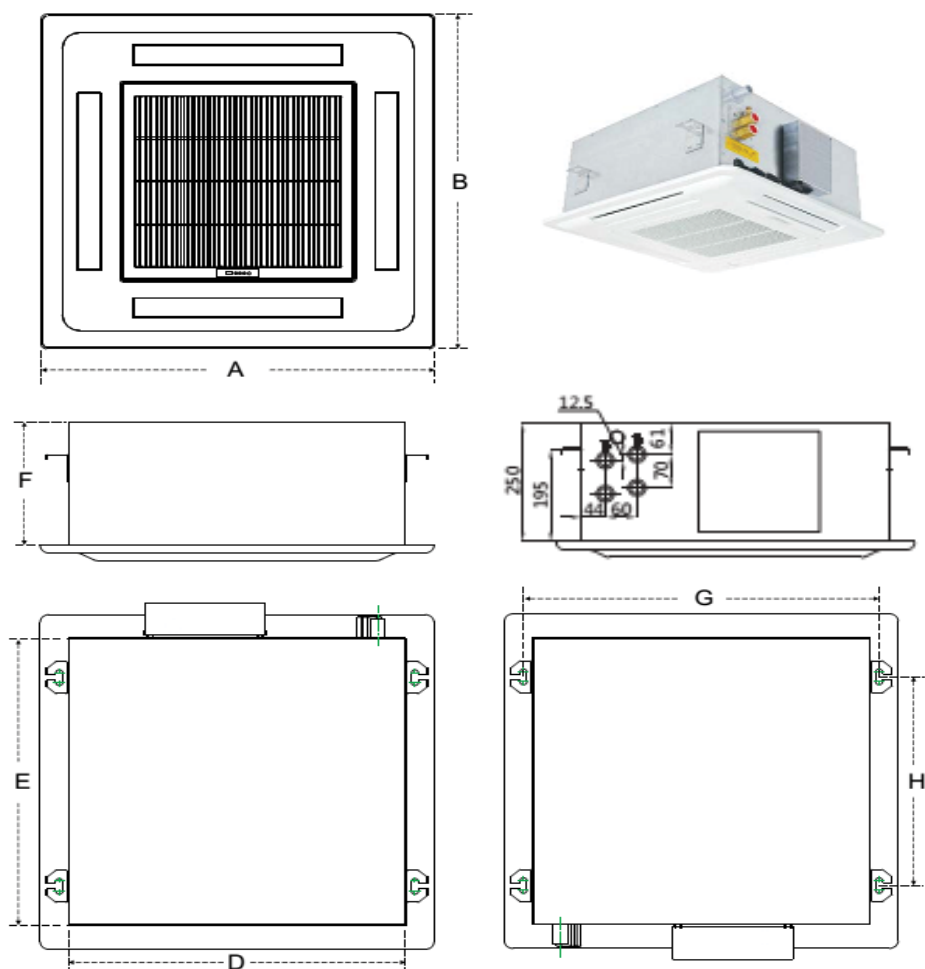
2 pipe

Model	Dimensions							
	A	B	C	D	E	F	G	H
DFC CT 05T	830	830	30	705	705	290	737	338
DFC CT 06T								
DFC CT 08T								
DFC CT 10T	830	830	30	832	832	290	864	416
DFC CT 12T								
DFC CT 14T								
DFC CT 17T	1140	1140	30	960	960	290	995	488

ALL DIMENSIONS ARE IN MM

Table 12

Unit dimensions



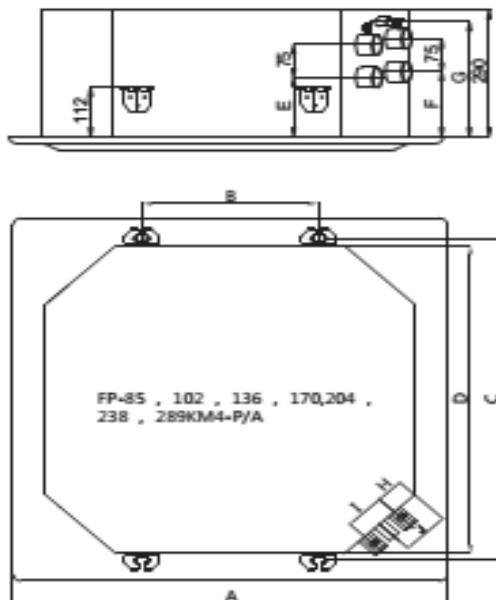
4 pipe

Model	Dimensions							
	A	B	C	D	E	F	G	H
DFC CT 04F	680	680	30	580	580	250	614	424

ALL DIMENSIONS ARE IN MM

Table 13

Unit dimensions

**4 pipe**

Model	Dimensions									
	A	B	C	D	E	F	G	H	I	J
DFC CT 05F	850	338	737	705	135	148	262	55	80	95
DFC CT 06F										
DFC CT 08F										
DFC CT 10F	980	416	864	832	139	127	250	65	80	95
DFC CT 12F										
DFC CT 14F										
DFC CT 17F	1,140	488	995	960	139	127	250	65	80	100

All Dimensions are in mm**Table 14**

GUIDE SPECIFICATIONS

Casing

The casing shall be constructed of galvanized steel with electrostatic coating. Exterior panels of the unit shall be lined with low density cross linked polyethylene (XPE) foam insulation and Plastic foam for internal insulation for thermal and acoustical insulation. . Grill has the provision to remove fan and motor from the air intake side.

COIL

The cooling coil shall be fabricated of 3/8" diameter copper tubing mechanically bonded to the aluminum fins. Coils shall be factory leak tested at 3MPa...Coils shall be provided with manual air vent and internal thread fittings for water connections.

Motor

Motors shall be 3 speed PSC type. Motor bearings shall be of sleeve type, permanently lubricated. Motors shall have inherent protection with automatic reset thermal overload embedded in the winding.

FAN

Fans shall be Large-diameter multi-blade centrifugal fan. Fan wheels shall be fabricated of fiber glass reinforced plastic. The housings shall be made of plastic with smooth airflow surfaces.

Condensate drain pan

In thermoforming high density expanded polystyrene, covered with a vacuum forming polyvinyl chloride, fitted with a condensates draining pump and a safety float.

Condensate drain pump

The drain pump with 700 mm of maximum head, with no return valve, integral with the unit and wired to the electronic board. Float switch is connected with the electronic board to control the condensate and alarm level.

Drain pan

The drain pan shall have foam insulation and with inner Waterproof plastic layer .The unit shall have a 26mm drain connection for condensate removal.

Control

The unit shall be provided with Optional LCD thermostat, or three-speed switch.

Air Discharge

The unit shall be provided with discharge grills (4 wind direction) and wind direction can be adjusted

Filter

Filter shall be Synthetic removable and washable type.



NOTES

[illegible]

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