

DFC Series

Chilled Water Ceiling / Floor Mounted Decorative Fan Coil Units



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 or vertically on the floor. 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 500 - 1200 cfm (236 - 565 L/s). Salient Features of SKM DFC Series decorative Fan Coil Units include :

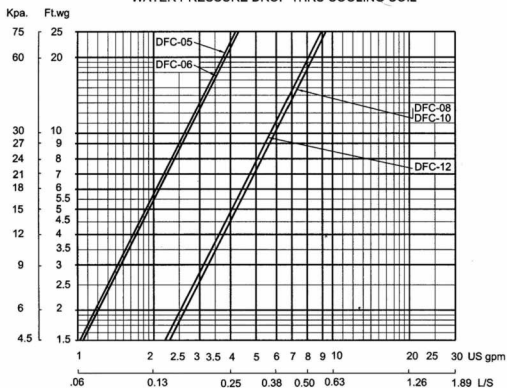
- ❖ **Cabinet :** Attractively designed casing made of plastic grilles attached to a strong metal frame and equipped with automatic swing discharge louvers for perfect air distribution. Metal frame is made of heavy gauge electrolytic zinc coated steel finished with electrostatic powder painting process for scratch resistance and blending with adjustable discharge louvers.
- ❖ **Multi Position Mounting :** Unique design drain pan allows the unit to be installed horizontally or vertically. Bracket legs are included with the unit assuring trouble free installation as suspending from the ceiling, floor console, or attached to lower wall.
- ❖ **Exceptionally Quiet Operation :** Direct-drive centrifugal fans, are statically and dynamically balanced with large flow-path and low-noise
- ❖ **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 :** Washable filter is provided with easy access through return grill.

DFC Series - Technical Details

Model	DFC	05	06	08	10	12	
Airflow Rate (High Speed)	cfm	488	570	742	965	1224	
	L/s	230	269	350	455	578	
Sound Power Level (High Speed)	dbA	45	48	52	55	62	
Power Supply	V/Ph/Hz	220-240 / 1 / 50					
Fan	Type	Double Inlet Centrifugal Fan					
	Code	6 x 6	6 x 9		6 x 6	6 x 9	
	Quantity	#	2	2		4	4
Motor	Type	3 speed PSC					
	Size	hp	1/20	1/15	1/10	1/15	1/8
		Watts	37	50	75	50	95
	Quantity	#	1	1	1	2	2
	Current	Amperes	0.35 x 1	0.55 x 1	0.65 x 1	0.55 x 2	0.72 x 2
Coil	Type	3/8" (9.5 mm) Copper Tubes with Aluminum Fins					
	Area	ft ²	1.94		2.78		4.31
		m ²	0.18		0.26		0.40
	Rows	#	4	4	4	4	4
	Fin Spacing	fpi	12				
mm		2.1					
Connections	Water	inch	5/8			3/4	
	In / Out	mm	15.9			19.1	
	Drain	inch	3/4				
		mm	19.1				

DFC Series - Water Pressure Drop

WATER PRESSURE DROP THRU COOLING COIL



DFC Series - Capacity Ratings

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							12°F (6.6°C) Water Temperature Rise									
				Total Capacity		Sensible Capacity		Water Flow Rate			Water Pressure		Total Capacity		Sensible Capacity		Water Flow Rate			Water Pressure
DFC	-	cfm	/s	Mbh	kW	Mbh	kW	USgpm	/s	ft. wg	kPa	Mbh	kW	Mbh	kW	USgpm	/s	ft. wg	kPa	
42°F (5.5°C) Entering Water Temperature	05	High	488	230	15.6	4.6	10.4	3.0	3.1	0.20	15.1	45.0	15.0	4.4	10.2	3.0	2.5	0.16	10.0	30.0
		Medium	416	196	14.5	4.3	9.4	2.8	2.9	0.18	13.2	39.5	14.1	4.1	9.3	2.7	2.4	0.15	8.9	26.6
		Low	356	168	13.6	4.0	8.6	2.5	2.7	0.17	11.7	34.9	13.0	3.8	8.4	2.5	2.2	0.14	7.7	23.0
	06	High	570	269	21.7	6.4	14.3	4.2	4.3	0.27	10.2	30.5	20.4	6.0	13.8	4.1	3.4	0.21	6.5	19.3
		Medium	526	248	20.9	6.1	13.6	4.0	4.2	0.26	9.5	28.3	19.5	5.7	13.1	3.8	3.3	0.21	6.0	17.8
		Low	477	225	19.9	5.8	12.8	3.8	4.0	0.25	8.6	25.8	18.5	5.4	12.3	3.6	3.1	0.19	5.4	16.1
	08	High	742	350	30.1	8.8	19.5	5.7	6.0	0.38	21.5	64.2	29.0	8.5	19.0	5.6	4.8	0.30	14.2	42.6
		Medium	670	316	28.3	8.3	18.2	5.3	5.7	0.36	19.2	57.3	27.5	8.1	17.8	5.2	4.6	0.29	12.9	38.6
		Low	579	273	26.1	7.7	16.5	4.8	5.2	0.33	16.5	49.4	25.5	7.5	16.3	4.8	4.3	0.27	11.3	33.7
	10	High	965	455	40.8	12.0	26.6	7.8	8.2	0.51	16.6	49.6	39.2	11.5	25.9	7.6	6.5	0.41	11.0	32.8
		Medium	910	429	39.5	11.6	25.6	7.5	7.9	0.50	15.6	46.6	37.9	11.1	24.9	7.3	6.3	0.40	10.3	30.9
		Low	846	399	37.8	11.1	24.3	7.1	7.6	0.48	14.4	43.1	36.4	10.7	23.8	7.0	6.1	0.38	9.6	28.7
12	High	1224	578	55.2	16.2	35.5	10.4	11.0	0.70	6.6	19.8	51.6	15.1	34.0	10.0	8.6	0.54	4.2	12.4	
	Medium	1168	551	53.5	15.7	34.3	10.1	10.7	0.68	6.3	18.7	50.2	14.7	32.9	9.6	8.4	0.53	3.9	11.8	
	Low	1075	507	50.7	14.9	32.3	9.5	10.1	0.64	5.7	16.9	47.7	14.0	31.0	9.1	7.9	0.50	3.6	10.7	
45°F (7.2°C) Entering Water Temperature	05	High	488	230	13.5	4.0	9.6	2.8	2.7	0.17	11.5	34.3	12.7	3.7	9.3	2.7	2.1	0.13	7.3	21.8
		Medium	416	196	12.7	3.7	8.7	2.6	2.5	0.16	10.2	30.4	11.8	3.4	8.4	2.5	2.0	0.12	6.3	18.9
		Low	356	168	11.9	3.5	8.0	2.3	2.4	0.15	9.1	27.1	10.9	3.2	7.6	2.2	1.8	0.11	5.5	16.5
	06	High	570	269	18.6	5.5	13.1	3.8	3.7	0.23	7.6	22.7	17.1	5.0	12.6	3.7	2.9	0.18	4.6	13.9
		Medium	526	248	17.8	5.2	12.4	3.6	3.6	0.22	7.0	20.9	16.4	4.8	11.9	3.5	2.7	0.17	4.3	12.6
		Low	477	225	16.8	4.9	11.6	3.4	3.4	0.21	6.3	18.9	15.5	4.6	11.1	3.3	2.6	0.16	3.9	11.8
	08	High	742	350	26.0	7.6	17.9	5.2	5.2	0.33	16.3	48.7	25.0	7.3	17.5	5.1	4.2	0.26	10.8	32.3
		Medium	670	316	24.7	7.2	16.7	4.9	4.9	0.31	14.7	44.1	23.8	7.0	16.4	4.8	4.0	0.25	9.9	29.5
		Low	579	273	22.9	6.7	15.2	4.5	4.6	0.29	12.8	38.4	21.9	6.4	14.8	4.3	3.7	0.23	8.5	25.4
	10	High	965	455	35.2	10.3	24.4	7.1	7.0	0.44	12.6	37.6	33.5	9.8	23.7	6.9	5.6	0.35	8.2	24.4
		Medium	910	429	34.1	10.0	23.4	6.9	6.8	0.43	11.8	35.4	32.3	9.5	22.7	6.7	5.4	0.34	7.6	22.8
		Low	846	399	32.8	9.6	22.3	6.5	6.6	0.41	11.0	32.9	30.9	9.0	21.5	6.3	5.1	0.32	7.0	21.0
12	High	1224	578	46.9	13.7	32.1	9.4	9.4	0.59	4.9	14.5	43.6	12.8	30.8	9.0	7.3	0.46	3.0	9.0	
	Medium	1168	551	45.6	13.4	31.1	9.1	9.1	0.57	4.6	13.8	42.4	12.4	29.8	8.7	7.1	0.45	2.9	8.6	
	Low	1075	507	43.3	12.7	29.2	8.6	8.7	0.55	4.2	12.5	40.5	11.9	28.1	8.2	6.8	0.43	2.6	7.9	
48°F (8.9°C) Entering Water Temperature	05	High	488	230	11.5	3.4	8.9	2.6	2.3	0.15	8.5	25.5	10.4	3.1	8.5	2.5	1.7	0.11	5.0	15.0
		Medium	416	196	10.7	3.1	8.0	2.3	2.1	0.13	7.4	22.1	9.7	2.8	7.7	2.2	1.6	0.10	4.4	13.2
		Low	356	168	9.9	2.9	7.2	2.1	2.0	0.12	6.4	19.1	9.0	2.6	6.9	2.0	1.5	0.09	3.9	11.6
	06	High	570	269	15.4	4.5	11.9	3.5	3.1	0.19	5.3	16.0	14.1	4.1	11.5	3.4	2.3	0.15	3.2	9.6
		Medium	526	248	14.8	4.3	11.3	3.3	3.0	0.19	4.9	14.7	13.5	4.0	10.8	3.2	2.3	0.14	3.0	8.9
		Low	477	225	14.0	4.1	10.5	3.1	2.8	0.18	4.5	13.4	12.9	3.8	10.1	3.0	2.1	0.14	2.7	8.2
	08	High	742	350	22.3	6.5	16.5	4.8	4.5	0.28	12.1	36.3	20.8	6.1	15.9	4.7	3.5	0.22	7.7	22.9
		Medium	670	316	21.2	6.2	15.4	4.5	4.2	0.27	11.1	33.1	19.7	5.8	14.8	4.3	3.3	0.21	6.9	20.7
		Low	579	273	19.8	5.8	14.0	4.1	4.0	0.25	9.7	29.1	18.2	5.3	13.4	3.9	3.0	0.19	6.0	17.9
	10	High	965	455	30.0	8.8	22.4	6.6	6.0	0.38	9.3	27.8	27.8	8.1	21.6	6.3	4.6	0.29	5.7	17.2
		Medium	910	429	29.0	8.5	21.5	6.3	5.8	0.37	8.7	26.1	26.8	7.8	20.6	6.0	4.5	0.28	5.4	16.1
		Low	846	399	27.8	8.1	20.3	6.0	5.6	0.35	8.0	24.1	25.6	7.5	19.5	5.7	4.3	0.27	4.9	14.8
12	High	1224	578	39.1	11.5	29.1	8.5	7.8	0.49	3.5	10.3	36.3	10.6	28.1	8.2	6.0	0.38	2.1	6.4	
	Medium	1168	551	38.1	11.2	28.2	8.3	7.6	0.48	3.3	9.8	35.4	10.4	27.1	8.0	5.9	0.37	2.0	6.1	
	Low	1075	507	36.3	10.6	26.5	7.8	7.3	0.46	3.0	9.0	33.4	9.8	25.4	7.4	5.6	0.35	1.8	5.5	

DFC Series - Capacity Ratings

78 / 65 °F (25.6 / 18.3 °C) Entering Air Dry Bulb / Wet Bulb Temperature

Model	Speed	Airflow Rate		14°F (7.8°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		
				MBh	kW	MBh	kW	USgpm	l/s	ft. wg	kPa	MBh	kW	MBh	kW	USgpm	l/s	ft. wg	kPa	
42°F (5.5°C) Entering Water Temperature																				
DFC	05	High	488	230	19.9	5.8	13.7	4.0	2.8	0.18	11.3	33.8	18.6	5.5	13.2	3.9	2.3	0.15	7.9	23.5
		Medium	416	196	17.9	5.3	12.2	3.6	2.6	0.16	9.4	28.0	16.9	5.0	11.7	3.4	2.1	0.13	6.6	19.7
		Low	356	168	16.2	4.7	10.8	3.2	2.3	0.15	7.8	23.3	15.3	4.5	10.5	3.1	1.9	0.12	5.6	16.6
	06	High	570	269	21.7	6.4	15.3	4.5	3.1	0.20	13.3	39.8	20.5	6.0	14.8	4.3	2.6	0.16	9.3	27.9
		Medium	526	248	20.8	6.1	14.5	4.2	3.0	0.19	12.3	36.8	19.5	5.7	13.9	4.1	2.4	0.15	8.5	25.5
		Low	477	225	19.6	5.7	13.5	3.9	2.8	0.18	11.0	32.9	18.4	5.4	13.0	3.8	2.3	0.14	7.7	23.0
	08	High	742	350	27.6	8.1	19.7	5.8	3.9	0.25	4.3	13.0	25.9	7.6	19.0	5.6	3.2	0.20	3.0	9.0
		Medium	670	316	26.0	7.6	18.3	5.4	3.7	0.23	3.9	11.6	24.5	7.2	17.7	5.2	3.1	0.19	2.7	8.2
		Low	579	273	23.9	7.0	16.5	4.8	3.4	0.22	3.3	9.9	22.4	6.6	15.9	4.7	2.8	0.18	2.3	6.9
	10	High	965	455	32.5	9.5	23.9	7.0	4.6	0.29	5.9	17.5	30.2	8.8	23.0	6.7	3.8	0.24	4.0	11.9
		Medium	910	429	31.3	9.2	22.9	6.7	4.5	0.28	5.5	16.4	29.1	8.5	22.0	6.4	3.6	0.23	3.7	11.2
		Low	846	399	29.9	8.8	21.7	6.4	4.3	0.27	5.0	15.0	27.9	8.2	20.9	6.1	3.5	0.22	3.5	10.3
12	High	1224	578	47.5	13.9	33.2	9.7	6.8	0.43	14.5	43.5	45.4	13.3	32.4	9.5	5.7	0.36	10.5	31.3	
	Medium	1168	551	46.3	13.6	32.2	9.4	6.6	0.42	13.9	41.4	44.1	12.9	31.3	9.2	5.5	0.35	9.9	29.7	
	Low	1075	507	44.2	13.0	30.4	8.9	6.3	0.40	12.7	38.1	41.9	12.3	29.4	8.6	5.2	0.33	9.0	27.0	
45°F (7.2°C) Entering Water Temperature																				
DFC	05	High	488	230	16.6	4.9	12.3	3.6	2.4	0.15	8.1	24.1	15.4	4.5	11.9	3.5	1.9	0.12	5.5	16.5
		Medium	416	196	15.0	4.4	11.0	3.2	2.1	0.14	6.8	20.2	14.1	4.1	10.6	3.1	1.8	0.11	4.7	14.1
		Low	356	168	13.6	4.0	9.8	2.9	1.9	0.12	5.7	17.0	12.9	3.8	9.4	2.8	1.6	0.10	4.0	12.0
	06	High	570	269	18.2	5.3	13.8	4.1	2.6	0.16	9.6	28.6	16.8	4.9	13.3	3.9	2.1	0.13	6.5	19.4
		Medium	526	248	17.3	5.1	13.0	3.8	2.5	0.16	8.8	26.2	16.1	4.7	12.5	3.7	2.0	0.13	6.0	17.9
		Low	477	225	16.3	4.8	12.1	3.6	2.3	0.15	7.9	23.5	15.2	4.5	11.7	3.4	1.9	0.12	5.4	16.2
	08	High	742	350	23.0	6.8	17.8	5.2	3.3	0.21	3.1	9.2	20.9	6.1	17.0	5.0	2.6	0.17	2.0	6.1
		Medium	670	316	21.8	6.4	16.6	4.9	3.1	0.20	2.8	8.3	19.6	5.7	15.7	4.6	2.4	0.15	1.8	5.4
		Low	579	273	20.0	5.9	14.9	4.4	2.9	0.18	2.4	7.1	17.8	5.2	14.0	4.1	2.2	0.14	1.5	4.5
	10	High	965	455	26.8	7.9	21.7	6.3	3.8	0.24	4.1	12.2	24.7	7.2	20.9	6.1	3.1	0.19	2.7	8.2
		Medium	910	429	25.9	7.6	20.7	6.1	3.7	0.23	3.8	11.4	23.9	7.0	20.0	5.9	3.0	0.19	2.6	7.7
		Low	846	399	24.8	7.3	19.6	5.8	3.5	0.22	3.5	10.6	22.8	6.7	18.9	5.5	2.9	0.18	2.4	7.1
12	High	1224	578	40.4	11.9	30.3	8.9	5.8	0.36	10.7	32.1	37.4	11.0	29.1	8.5	4.7	0.29	7.3	21.8	
	Medium	1168	551	39.3	11.5	29.3	8.6	5.6	0.35	10.2	30.4	36.4	10.7	28.1	8.2	4.5	0.29	6.9	20.7	
	Low	1075	507	37.3	10.9	27.5	8.1	5.3	0.34	9.3	27.7	34.7	10.2	26.5	7.8	4.3	0.27	6.4	19.0	
48°F (8.9°C) Entering Water Temperature																				
DFC	05	High	488	230	13.4	3.9	11.1	3.3	1.9	0.12	5.5	16.3	12.4	3.6	10.7	3.1	1.5	0.10	3.7	11.0
		Medium	416	196	12.3	3.6	9.9	2.9	1.8	0.11	4.6	13.9	11.3	3.3	9.5	2.8	1.4	0.09	3.1	9.3
		Low	356	168	11.2	3.3	8.8	2.6	1.6	0.10	4.0	11.8	10.1	3.0	8.3	2.4	1.3	0.08	2.6	7.7
	06	High	570	269	14.7	4.3	12.5	3.7	2.1	0.13	6.4	19.2	13.4	3.9	12.0	3.5	1.7	0.11	4.3	12.8
		Medium	526	248	14.0	4.1	11.7	3.4	2.0	0.13	5.9	17.6	12.9	3.8	11.3	3.3	1.6	0.10	4.0	11.8
		Low	477	225	13.2	3.9	10.9	3.2	1.9	0.12	5.3	16.0	12.2	3.6	10.5	3.1	1.5	0.10	3.6	10.8
	08	High	742	350	18.2	5.3	16.0	4.7	2.6	0.16	2.0	6.0	15.9	4.7	15.2	4.4	2.0	0.13	1.2	3.7
		Medium	670	316	17.0	5.0	14.8	4.3	2.4	0.15	1.8	5.3	15.0	4.4	14.0	4.1	1.9	0.12	1.1	3.3
		Low	579	273	15.5	4.5	13.1	3.8	2.2	0.14	1.5	4.5	13.7	4.0	12.5	3.7	1.7	0.11	0.9	2.8
	10	High	965	455	21.5	6.3	19.7	5.8	3.1	0.19	2.7	8.1	18.8	5.5	18.7	5.5	2.3	0.15	1.7	4.9
		Medium	910	429	20.8	6.1	18.8	5.5	3.0	0.19	2.6	7.6	18.1	5.3	17.8	5.2	2.3	0.14	1.5	4.6
		Low	846	399	19.9	5.8	17.8	5.2	2.8	0.18	2.3	7.0	17.3	5.1	16.8	4.9	2.2	0.14	1.4	4.2
12	High	1224	578	32.6	9.6	27.3	8.0	4.7	0.29	7.2	21.5	29.8	8.7	26.2	7.7	3.7	0.23	4.8	14.3	
	Medium	1168	551	31.7	9.3	26.3	7.7	4.5	0.29	6.9	20.5	29.0	8.5	25.3	7.4	3.6	0.23	4.6	13.7	
	Low	1075	507	30.2	8.9	24.7	7.2	4.3	0.27	6.3	18.8	27.8	8.1	23.8	7.0	3.5	0.22	4.2	12.6	

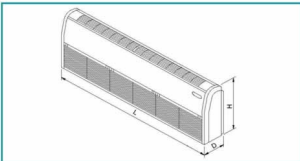
DFC Series - Capacity Ratings

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						12°F (6.6°C) Water Temperature Rise										
				Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure		Total Capacity		Sensible Capacity		Water Flow Rate		Water Pressure		
				MBh	kW	MBh	kW	USGpm	l/s	ft. wg	kPa	MBh	kW	MBh	kW	USGpm	l/s	ft. wg	kPa	
DFC	-	cfm	l/s	MBh	kW	MBh	kW	USGpm	l/s	ft. wg	kPa	MBh	kW	MBh	kW	USGpm	l/s	ft. wg	kPa	
42°F (5.5°C) Entering Water Temperature	05	High	488	230	12.5	3.7	9.6	2.8	2.5	0.16	10.0	29.8	11.5	3.4	9.2	2.7	1.9	0.12	6.1	18.2
		Medium	416	196	11.7	3.4	8.8	2.6	2.3	0.15	8.8	26.3	10.6	3.1	8.3	2.4	1.8	0.11	5.3	15.8
		Low	356	168	10.7	3.1	7.9	2.3	2.1	0.14	7.6	22.6	9.9	2.9	7.6	2.2	1.6	0.10	4.6	13.8
	06	High	570	269	16.8	4.9	13.0	3.8	3.4	0.21	6.3	18.9	15.4	4.5	12.5	3.7	2.6	0.16	3.9	11.5
		Medium	526	248	16.0	4.7	12.3	3.6	3.2	0.20	5.8	17.4	14.8	4.3	11.8	3.5	2.5	0.16	3.6	10.7
		Low	477	225	15.2	4.4	11.5	3.4	3.0	0.19	5.2	15.7	14.0	4.1	11.0	3.2	2.3	0.15	3.2	9.7
	08	High	742	350	23.8	7.0	17.9	5.2	4.8	0.30	13.9	41.7	22.7	6.7	17.4	5.1	3.8	0.24	9.1	27.3
		Medium	670	316	22.6	6.6	16.7	4.9	4.5	0.28	12.6	37.8	21.4	6.3	16.2	4.8	3.6	0.23	8.2	24.5
		Low	579	273	20.9	6.1	15.2	4.4	4.2	0.26	11.0	32.9	19.7	5.8	14.6	4.3	3.3	0.21	7.0	20.9
	10	High	965	455	32.1	9.4	24.3	7.1	6.4	0.41	10.7	31.9	30.1	8.8	23.5	6.9	5.0	0.32	6.8	20.2
		Medium	910	429	31.1	9.1	23.3	6.8	6.2	0.39	10.0	30.0	29.0	8.5	22.5	6.6	4.8	0.31	6.3	18.9
		Low	846	399	28.9	8.7	22.2	6.5	6.0	0.38	9.3	27.9	27.7	8.1	21.3	6.2	4.6	0.29	5.8	17.4
12	High	1224	578	42.2	12.4	31.8	9.3	8.4	0.53	4.0	12.0	39.3	11.5	30.5	9.0	6.5	0.41	2.5	7.5	
	Medium	1168	551	41.0	12.0	30.7	9.0	8.2	0.52	3.8	11.4	38.2	11.2	29.5	8.7	6.4	0.40	2.4	7.1	
	Low	1075	507	38.9	11.4	28.9	8.5	7.8	0.49	3.5	10.3	36.5	10.7	27.8	8.2	6.1	0.38	2.2	6.5	
45°F (7.2°C) Entering Water Temperature	05	High	488	230	10.4	3.0	8.8	2.6	2.1	0.13	7.1	21.1	9.4	2.7	8.4	2.5	1.6	0.10	4.2	12.5
		Medium	416	196	9.6	2.8	7.9	2.3	1.9	0.12	6.1	18.3	8.7	2.6	7.6	2.2	1.5	0.09	3.7	11.0
		Low	356	168	8.9	2.6	7.2	2.1	1.8	0.11	5.3	15.9	8.1	2.4	6.9	2.0	1.4	0.09	3.2	9.7
	06	High	570	269	13.9	4.1	11.8	3.5	2.8	0.17	4.4	13.2	12.7	3.7	11.4	3.3	2.1	0.13	2.7	8.0
		Medium	526	248	13.3	3.9	11.2	3.3	2.7	0.17	4.1	12.2	12.2	3.6	10.8	3.2	2.0	0.13	2.5	7.4
		Low	477	225	12.6	3.7	10.4	3.1	2.5	0.16	3.7	11.0	11.6	3.4	10.0	2.9	1.9	0.12	2.3	6.7
	08	High	742	350	20.3	6.0	16.4	4.8	4.1	0.26	10.3	30.9	18.6	5.5	15.8	4.6	3.1	0.20	6.3	18.8
		Medium	670	316	19.2	5.6	15.3	4.5	3.8	0.24	9.4	28.0	17.6	5.2	14.7	4.3	2.9	0.19	5.7	17.0
		Low	579	273	17.6	5.2	13.8	4.0	3.5	0.22	8.0	23.8	16.2	4.8	13.2	3.9	2.7	0.17	4.9	14.7
	10	High	965	455	27.0	7.9	22.2	6.5	5.4	0.34	7.7	23.0	24.8	7.3	21.3	6.2	4.1	0.26	4.7	14.1
		Medium	910	429	26.0	7.6	21.2	6.2	5.2	0.33	7.2	21.4	23.9	7.0	20.4	6.0	4.0	0.25	4.4	13.1
		Low	846	399	24.8	7.3	20.1	5.9	5.0	0.31	6.6	19.7	22.8	6.7	19.3	5.6	3.8	0.24	4.0	12.1
12	High	1224	578	35.1	10.3	28.8	8.4	7.0	0.44	2.8	8.5	31.8	9.3	27.5	8.1	5.3	0.33	1.7	5.0	
	Medium	1168	551	34.1	10.0	27.8	8.2	6.8	0.43	2.7	8.0	30.8	9.0	26.5	7.8	5.1	0.32	1.6	4.8	
	Low	1075	507	32.5	9.5	26.2	7.7	6.5	0.41	2.5	7.4	29.2	8.6	24.8	7.3	4.9	0.31	1.4	4.3	
48°F (8.9°C) Entering Water Temperature	05	High	488	230	8.4	2.5	8.1	2.4	1.7	0.11	4.7	14.2	7.4	2.2	7.7	2.2	1.2	0.08	2.7	8.0
		Medium	416	196	7.8	2.3	7.2	2.1	1.6	0.10	4.1	12.3	7.1	2.1	7.0	2.0	1.2	0.07	2.5	7.4
		Low	356	168	7.2	2.1	6.5	1.9	1.4	0.09	3.6	10.8	6.4	1.9	6.2	1.8	1.1	0.07	2.1	6.2
	06	High	570	269	11.2	3.3	10.8	3.2	2.2	0.14	3.0	8.9	9.7	2.8	10.2	3.0	1.6	0.10	1.6	4.8
		Medium	526	248	10.8	3.2	10.2	3.0	2.2	0.14	2.7	8.2	9.2	2.7	9.6	2.8	1.5	0.10	1.5	4.4
		Low	477	225	10.2	3.0	9.5	2.8	2.0	0.13	2.5	7.5	8.6	2.5	8.9	2.6	1.4	0.09	1.3	3.9
	08	High	742	350	16.5	4.8	14.9	4.4	3.3	0.21	7.0	20.9	14.9	4.4	14.3	4.2	2.5	0.16	4.2	12.5
		Medium	670	316	15.6	4.6	13.9	4.1	3.1	0.20	6.3	18.8	14.2	4.1	13.3	3.9	2.4	0.15	3.8	11.3
		Low	579	273	14.3	4.2	12.5	3.6	2.9	0.18	5.4	16.2	13.1	3.8	12.0	3.5	2.2	0.14	3.3	9.9
	10	High	965	455	21.9	6.4	20.2	5.9	4.4	0.28	5.2	15.6	19.8	5.8	19.4	5.7	3.3	0.21	3.1	9.3
		Medium	910	429	21.1	6.2	19.3	5.6	4.2	0.27	4.8	14.5	19.1	5.6	18.5	5.4	3.2	0.20	2.9	8.7
		Low	846	399	20.1	5.9	18.2	5.3	4.0	0.25	4.5	13.3	18.4	5.4	17.5	5.1	3.1	0.19	2.7	8.1
12	High	1224	578	28.3	8.3	26.1	7.7	5.7	0.36	1.9	5.7	23.8	7.0	24.4	7.2	4.0	0.25	1.0	2.9	
	Medium	1168	551	27.4	8.0	25.2	7.4	5.5	0.35	1.8	5.3	23.8	7.0	23.7	7.0	4.0	0.25	1.0	2.9	
	Low	1075	507	25.9	7.6	23.5	6.9	5.2	0.33	1.6	4.8	22.6	6.6	22.2	6.5	3.8	0.24	0.9	2.7	



DFC Series - Unit Details



Model	DFC		05	06	08	10	12
Height	H	inch	24 7/16				
		mm	620				
Depth	D	inch	9 1/4				
		mm	235				
Length	L	inch	38 1/2		50 1/2		74
		mm	978		1283		1880
Weight		lbs	84	88	99	114	150
		kg	38	40	45	52	68

DFC Series - Specifications

Casing

The casing shall be constructed of galvanized steel. Interior panels of the coil section shall be lined with low density closed cell polyethylene foam for thermal and acoustical insulation. Exterior panels shall be finished with baked on epoxy polyester powder coat. Front panels shall be easily removable for serviceability. The unit shall be provided with decorative plastic side panels and return grille/filters on the front of the unit.

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 450psig and are suitable for working pressures upto 350psig. Coils shall be provided with manual air vent and sweat fittings for water connections.

Motors

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.

Fans

Fans shall be centrifugal forward curved type. Fan wheels shall be fabricated of fiber reinforced plastic. The housings shall be made of plastic with smooth airflow surfaces.

Drain Pan

The drain pan shall be fabricated from galvanized steel, with bitumen / rubber antirust coating on the interior surfaces and a fully insulated exterior. The unit shall have a 3/4" drain connection for condensate removal.

Controls

The unit shall be provided with an electronic wireless remote control with digital LCD handset. Wired remote control optional.

Air Discharge

The unit shall be provided with decorative air discharge grille, with 4 - way air discharge control and automatic air swing.

Filter

Filter shall be washable type with wasy access



SKM
AIR-CONDITIONING
EQUIPMENT

SKM Air Conditioning Equipment
P.O Box 6004, Sharjah, UAE
Tel: +9716 5347347; Fax: +9716 534 9292
email: info@skm.ae; website www.skm.ae