



HFCC/HFCD

Chilled Water Fan Coil Units

HFCC 400-1,200 CFM
HFCD 1,400-2,000 CFM
Ceiling Type
HFCC/HFCD Series 50 Hz



Model Nomenclature

<u>H</u>	<u>F</u>	<u>C</u>	<u>C</u>	<u>0</u>	<u>4</u>	<u>B</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>A</u>
1	2	3	4	5	6	7	8	9	10	11	12

Digit 1 - Position
H = Horizontal

Digit 2 - Unit Type
F = Fan Coil

Digit 3 - Casing
C = Concealed

Digit 4 - Development Sequence
C, D = Development Sequence

Digit 5,6 - Size / Nominal Airflow

04 = 400 CFM	14 = 1,400 CFM
06 = 600 CFM	16 = 1,600 CFM
08 = 800 CFM	18 = 1,800 CFM
10 = 1,000 CFM	20 = 2,000 CFM
12 = 1,200 CFM	

Digit 7 - Coil Row, Connection Size

A = 2 Row Cooling, Right Hand
B = 2 Row Cooling, Left Hand
C = 3 Row Cooling, Right Hand
D = 3 Row Cooling, Left Hand

Digit 8 - Electric Heat
0 = Non Electric Heat

Digit 9 - Future Use
0 = Option

Digit 10 - Voltage / Phase / Hertz

1 = 220 / 1 / 50
2 = 220 / 1 / 60

Digit 11 - Plenum / Filter

O = Without Return Plenum
A = W/Return Plenum and 25mm. AI Filter

Digit 12 - Design Sequence
A = Design Sequence

General Data HFCC 50 Hz

Product Specification

MODEL		HFCC04	HFCC06	HFCC08	HFCC10	HFCC12
Rated - Volts/Ph/Hz		220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
INDOOR FAN-TYPE		Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Dia.xWidth	in	6x8	6x8	7x9	7x9	7x9
No. Used		2	2	2	2	2
Drive Type-No. Speeds		Direct-4	Direct-4	Direct-4	Direct-4	Direct-4
FAN MOTOR						
No. of Motor		1	1	1	1	1
Motor	Watt	41	87	193	246	261
No. of Speed		4	4	4	4	4
V/ph/Hz		220/1/50	220/1/50	220/1/50	220/1/50	220/1/50
RLA/LRA		0.48/0.80	0.82/1.86	1.37/3.15	1.98/5.28	2.20/5.77
INDOOR COIL-TYPE		Plain-Louver	Plain-Louver	Plain-Louver	Plain-Louver	Plain-Louver
No. Rows/F.P.I.		2/15	2/19	3/15	3/16	3/15
Face Area-	Sq.ft	1.67	1.67	1.67	2	2.33
Coil Tube Size	(in. OD)	3/8	3/8	3/8	3/8	3/8
Drain Connection Size	in	1/2	1/2	1/2	1/2	1/2
Return Air Plenum				Optional		
Type		Aluminium filter	Aluminium filter	Aluminium filter	Aluminium filter	Aluminium filter
No. used		1	1	1	1	1
Size (WxLxD)	in	10.6x30.3x1	10.6x30.3x1	10.6x30.3x1	10.6x36.3x1	10.6x42.4x1
	mm	270x770x25	270x770x25	270x770x25	270x922x25	270x1077x25
DIMENSION(HxWxD)						
Crated (Shipping)	in	13.2x39.8x22.2	13.2x39.8x22.2	13.2x39.8x22.2	13.2x45.6x22.2	13.2x51.6x22.2
	mm	335x1010x565	335x1010x565	335x1010x565	335x1158x565	335x1311x565
Crated with Plenum (Shipping)	in	12.2x37.4x25.2	12.2x37.4x25.2	12.2x37.4x25.2	12.2x43.7x25.2	12.2x49.8x25.2
	mm	311x949x641	311x949x641	311x949x641	311x1111x641	311x1264x641
Uncrated (Net)	in	10.2x37.2x19.4	10.2x37.2x19.4	10.2x37.2x20.9	10.2x43.2x20.9	10.2x49.3x20.9
	mm	258x946x494	258x946x494	258x946x531	258x1098x531	258x1251x531
Crated with Plenum (Shipping)	in	11.8x37.2x24.6	11.8x37.2x24.6	11.8x37.2x24.6	11.8x43.2x24.6	11.8x49.3x24.6
	mm	300x946x625	300x946x625	300x946x625	300x1098x625	300x1251x625
WEIGHTS	lb (kg)					
Shipping (crated)		48(21.6)	51(23.1)	58(26.2)	63(28.8)	70(32)
Shipping (crated) with plenum		70(31.6)	73(33.1)	80(36.2)	88(40.2)	98(44.7)
Net (uncrated)		43(19.3)	46(20.9)	53(23.9)	57(25.7)	62(28.4)
Net (uncrated) with plenum		65(29.3)	68(30.9)	75(33.9)	83(37.5)	92(41.6)

General Data HFCD 50 Hz

Product Specification

MODEL		HFCD14	HFCD16	HFCD18	HFCD20
Power Supply - Volts/PH/Hz		220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Indoor Fan -Type		Centrifugal	Centrifugal	Centrifugal	Centrifugal
Dia. x Width	in	8 x 9	8 x 9	8 x 10	8 x 10
No. Used		2	2	2	2
Drive - Speeds (No.)		Direct - 4	Direct - 4	Direct - 4	Direct - 4
No. Motors -	Watt	394	394	453	453
Volts/PH/Hz		220/1/50	220/1/50	220/1/50	220/1/50
R.L.Amps		3.33	3.33	4.30	4.30
L.R.Amps		5.08	5.08	6.98	6.98
INDOOR COIL - TYPE		Plain Tube	Plain Tube	Plain Tube	Plain Tube
No. Rows/F.P.I.		3/14	3/14	3/14	3/14
Face Area	Sq.ft	3.5	3.5	4.08	4.08
Coil Tube Size	(in. OD)	3/8	3/8	3/8	3/8
Drain Connection Size	in	1/2	1/2	1/2	1/2
RETURN AIR PLENUM		Standard (convertible)	Standard (convertible)	Standard (convertible)	Standard (convertible)
Air Filter		washable	washable	washable	washable
Air Filter Size-(WxDxH)	in	35.4x1x13.7	35.4x1x13.7	41.5x1x13.7	41.5x1x13.7
Dimension (WxDxH)					
Crated(Shipping)	mm	1168x782x490	1168x782x490	1317x782x490	1317x782x490
	in	46.0x30.8x19.3	46.0x30.8x19.3	51.9x30.8x19.3	51.9x30.8x19.3
Uncrated(Net)	mm	1098x759x408	1098x759x408	1251x759x408	1251x759x408
	in	43.2x29.8x16	43.2x29.8x16	49.2x29.8x16	49.2x29.8x16
Weight	lb (kg)				
Shipping-crated		116.6(53)	116.6(53)	130.9(59.5)	130.9(59.5)
Net-uncrated		106.7(48.5)	106.7(48.5)	119.9(54.5)	119.9(54.5)



Performance Data

Cooling Capacities

Ceiling Models HFCC04-12

TC = Total Capacity, MBh
 SC = Sensible Capacity, MBh
 GPM = Waterflow, Gallons per Minute
 PD = Pressure Drop, Feet of Water

Table 1 72 EDB/61 EWB Unit Capacity - MBh

Unit Size	Air Flow CFM	EWT Degree F	Water Temperature Rise F															
			6				8				10				12			
			TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD
04	400	40	13.10	10.01	4.35	15.79	11.92	8.98	2.97	8.08	10.66	8.41	2.13	4.50	9.30	7.81	1.55	2.57
		45	9.53	7.91	3.17	8.90	8.47	7.46	2.11	4.39	7.38	7.00	1.47	2.33	6.04	6.07	1.01	1.20
		50	6.47	6.31	2.15	4.47	5.75	5.58	1.44	2.21	4.94	4.97	0.99	1.15	3.61	3.63	0.60	0.49
06	600	40	19.24	14.32	6.39	30.87	17.57	13.56	4.38	15.85	15.97	12.84	3.19	9.05	14.36	12.14	2.39	5.46
		45	14.16	12.06	4.71	17.75	12.78	11.47	3.19	8.94	11.47	10.92	2.29	5.01	10.11	9.86	1.68	2.92
		50	9.90	9.65	3.29	9.35	8.99	9.03	2.24	4.77	8.02	8.06	1.60	2.65	6.75	6.78	1.12	1.43
08	800	40	25.15	18.80	8.36	24.28	22.99	17.82	5.73	12.50	20.89	16.88	4.17	7.14	18.68	15.93	3.11	4.27
		45	18.55	15.87	6.17	14.01	16.75	15.11	4.18	7.08	14.97	14.37	2.99	3.94	13.09	12.76	2.18	2.27
		50	13.02	12.69	4.33	7.44	11.81	11.48	2.95	3.79	10.44	10.49	2.09	2.07	8.60	8.64	1.43	1.08
10	1,000	40	31.38	23.58	10.43	19.45	28.57	22.31	7.12	9.94	25.77	21.07	5.14	5.61	22.75	19.77	3.78	3.28
		45	23.13	19.93	7.69	11.22	20.79	18.94	5.19	5.68	18.37	17.94	3.67	3.06	15.72	15.31	2.61	1.70
		50	16.28	15.87	5.42	5.98	14.65	14.24	3.66	3.01	12.69	12.75	2.53	1.59	9.56	9.60	1.59	0.71
12	1,200	40	36.94	27.75	12.28	30.20	33.82	26.34	8.43	15.57	30.81	25.00	6.15	8.94	27.74	23.67	4.61	5.40
		45	27.28	23.48	9.07	17.46	24.71	22.38	6.16	8.86	22.22	21.35	4.43	4.98	19.56	19.07	3.25	2.90
		50	19.22	18.74	6.40	9.33	17.52	17.02	4.37	4.79	15.58	15.65	3.11	2.65	12.96	13.02	2.16	1.40

TC = Total Capacity, MBh
 SC = Sensible Capacity, MBh
 GPM = Waterflow, Gallons per Minute
 PD = Pressure Drop, Feet of Water

Table 2 74 EDB/63 EWB Unit Capacity - MBh

Unit Size	Air Flow CFM	EWT Degree F	Water Temperature Rise F															
			6				8				10				12			
			TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD
04	400	40	14.97	10.17	4.98	19.93	13.79	9.63	3.44	10.42	12.50	9.04	2.49	5.93	11.08	8.42	1.84	3.49
		45	11.29	8.51	3.75	11.96	10.10	8.00	2.52	5.95	8.87	7.49	1.77	3.21	7.56	6.97	1.26	1.77
		50	7.74	7.04	2.57	6.09	6.82	6.67	1.70	2.96	5.88	5.73	1.17	1.55	4.82	4.86	0.80	0.80
06	600	40	21.96	15.24	7.30	38.95	20.18	14.43	5.03	20.19	18.43	13.65	3.68	11.61	16.70	12.91	2.78	7.09
		45	16.60	12.86	5.52	23.43	14.98	12.18	3.74	11.79	13.46	11.56	2.69	6.61	11.94	10.94	1.99	3.90
		50	11.62	10.82	3.87	12.37	10.47	10.36	2.61	6.22	9.20	9.28	1.84	3.36	8.11	7.89	1.35	1.96
08	800	40	28.72	20.71	9.54	30.63	26.40	18.95	6.58	15.90	24.12	17.94	4.81	9.17	21.80	16.94	3.62	5.57
		45	21.72	19.61	7.22	18.46	19.63	16.03	4.90	9.32	17.61	15.20	3.51	5.22	15.52	14.37	2.58	3.04
		50	15.26	14.26	5.08	9.80	13.73	13.66	3.43	4.93	12.18	11.89	2.43	2.71	10.49	10.57	1.75	1.52
10	1,000	40	35.84	25.87	11.91	24.54	32.81	23.71	8.18	12.65	29.84	22.41	5.95	7.23	26.69	21.06	4.44	4.32
		45	27.08	21.22	9.00	14.77	24.37	20.08	6.08	7.40	21.67	18.99	4.32	4.08	18.78	17.83	3.12	2.31
		50	19.04	17.94	6.33	7.86	17.03	17.14	4.25	3.91	14.90	14.54	2.98	2.10	12.45	12.55	2.07	1.12
12	1,200	40	42.17	29.50	14.01	38.09	38.80	27.98	9.67	19.79	35.51	26.54	7.08	11.43	32.24	25.13	5.36	7.01
		45	31.90	24.99	10.61	22.96	28.88	23.72	7.20	11.62	26.04	22.55	5.20	6.56	23.11	21.38	3.84	3.87
		50	22.47	21.12	7.48	12.25	20.31	20.27	5.07	6.20	18.13	17.69	3.62	3.44	15.71	15.26	2.61	1.95



Performance Data

Cooling Capacities

Ceiling Models HFCC04-12

TC = Total Capacity, MBh
 SC = Sensible Capacity, MBh
 GPM = Waterflow, Gallons per Minute
 PD = Pressure Drop, Feet of Water

Table 3 80 EDB/67 EWB Unit Capacity - MBh

Unit Size	Air Flow CFM	EWT Degree F	Water Temperature Rise F															
			6				8				10				12			
			TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD
04	400	40	18.84	12.21	6.26	29.80	17.68	11.67	4.41	16.06	16.46	11.12	3.28	9.56	15.12	10.53	2.51	5.97
		45	15.16	11.13	5.04	20.04	13.91	10.01	3.47	10.38	12.64	9.49	2.52	5.93	11.31	8.95	1.88	3.55
		50	11.25	8.93	3.74	11.69	10.14	8.49	2.53	5.88	9.04	8.07	1.80	3.26	7.92	7.65	1.32	1.88
06	600	40	27.65	18.25	9.19	58.38	25.86	17.45	6.45	31.14	24.01	16.63	4.79	18.41	22.17	15.84	3.69	11.60
		45	22.16	15.83	7.37	38.89	20.35	15.08	5.08	20.14	18.62	14.37	3.72	11.62	16.96	13.72	2.82	7.16
		50	16.59	13.57	5.52	23.04	15.07	12.98	3.76	11.71	13.68	12.45	2.73	6.69	12.35	11.96	2.06	4.06
08	800	40	36.19	23.97	12.03	45.93	35.85	22.92	8.44	24.54	31.42	21.86	6.27	14.52	29.04	20.83	4.83	9.17
		45	29.00	20.82	9.64	30.61	26.65	19.84	6.65	15.89	24.40	18.92	4.87	9.19	22.21	18.05	3.69	5.66
		50	21.75	17.87	7.24	18.19	19.77	17.11	4.93	9.28	17.95	16.42	3.58	5.30	16.14	15.75	2.69	3.20
10	1,000	40	45.27	30.09	15.04	36.93	42.16	28.70	10.51	19.58	39.00	27.31	7.78	11.52	35.89	26.00	5.97	7.22
		45	36.20	26.13	12.04	24.53	33.16	24.87	8.27	12.66	30.24	23.69	6.03	7.28	27.33	22.54	4.55	4.43
		50	27.15	22.47	9.03	14.58	24.60	21.48	6.14	7.40	22.21	20.58	4.43	4.18	19.75	19.67	3.29	2.48
12	1,200	40	53.11	35.34	17.65	57.09	49.70	33.80	12.39	30.51	46.18	32.26	9.21	18.07	42.73	30.81	7.10	11.43
		45	42.54	30.71	14.14	38.01	39.15	29.31	9.76	19.76	36.07	28.13	7.20	11.51	32.80	26.77	5.46	7.09
		50	31.94	26.43	10.63	22.63	29.10	25.34	7.26	11.57	26.51	24.36	5.29	6.65	23.98	23.42	3.99	4.05

TC = Total Capacity, MBh
 SC = Sensible Capacity, MBh
 GPM = Waterflow, Gallons per Minute
 PD = Pressure Drop, Feet of Water

Table 4 84 EDB/71 EWB Unit Capacity - MBh

Unit Size	Air Flow CFM	EWT Degree F	Water Temperature Rise F															
			6				8				10				12			
			TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD
04	400	40	23.05	13.47	7.66	42.45	21.89	12.93	5.46	23.32	20.69	12.38	4.13	14.23	19.41	11.82	3.23	9.23
		45	19.37	11.81	6.44	30.75	18.13	11.28	4.52	16.48	16.81	10.73	3.36	9.75	15.39	10.16	2.56	6.06
		50	15.39	10.16	5.12	20.22	14.04	9.64	3.50	10.37	12.66	9.12	2.53	5.85	11.26	8.60	1.87	3.47
06	600	40	33.83	20.04	11.24	83.27	32.03	19.22	7.98	45.35	30.16	18.41	6.01	27.44	28.19	17.57	4.69	17.65
		45	28.30	17.62	9.41	59.81	26.38	16.83	6.58	31.78	24.38	16.02	4.87	18.61	22.39	15.24	3.72	11.61
		50	22.37	15.23	7.44	38.91	20.41	14.49	5.09	19.91	18.53	13.79	3.70	11.33	16.76	13.15	2.79	6.90
08	800	40	44.30	26.30	14.72	65.54	41.94	25.25	10.46	35.74	39.50	24.18	7.88	21.65	36.94	23.11	6.14	13.94
		45	37.05	23.15	12.32	47.09	34.55	22.12	8.62	25.02	31.93	21.07	6.37	14.69	29.34	20.06	4.88	9.18
		50	29.29	20.04	9.74	30.65	26.74	19.07	6.67	15.72	24.30	18.17	4.85	8.97	21.98	17.33	3.66	5.46
10	1,000	40	55.50	33.03	18.44	52.82	52.37	31.64	13.05	28.64	49.12	30.23	9.80	17.23	45.72	28.81	7.60	11.01
		45	46.34	29.06	15.41	37.84	43.02	27.70	10.73	19.95	39.59	26.33	7.90	11.63	36.24	25.04	6.03	7.22
		50	36.53	25.15	12.15	24.52	33.23	23.90	8.29	12.50	30.08	21.74	6.01	7.09	27.05	21.65	4.50	4.27
12	1,200	40	64.99	38.72	21.60	81.44	61.55	37.20	15.34	44.42	57.99	35.66	11.57	26.92	54.28	34.09	9.02	17.35
		45	54.33	34.11	18.06	58.45	50.69	32.63	12.64	31.07	46.89	31.11	9.36	18.26	43.14	29.65	7.18	11.43
		50	42.92	29.57	14.28	38.01	39.24	28.18	9.79	19.52	35.72	26.87	7.13	11.17	32.42	25.69	5.39	6.84



Performance Data

Cooling Capacities

Ceiling Models HFCD14-20

TC = Total Capacity, MBh
 SC = Sensible Capacity, MBh
 GPM = Waterflow, Gallons per Minute
 PD = Pressure Drop, Feet of Water

Table 5 72 EDB/61 EWB Unit Capacity - MBh

Unit Size	Air Flow CFM	EWT Degree F	Water Temperature Rise F															
			6				8				10				12			
			TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD
14	1,400	40	46.63	34.36	15.45	12.04	42.37	32.42	10.56	6.15	37.72	31.44	7.52	3.40	32.48	28.06	5.40	1.90
		45	34.23	28.82	11.38	6.91	30.40	27.17	7.58	3.39	26.23	25.44	5.24	1.78	20.58	20.58	3.42	0.88
		50	23.65	23.07	7.87	3.57	20.92	20.34	5.22	1.75	17.49	17.49	3.49	0.87	11.56	11.56	1.92	0.31
16	1,600	40	50.75	39.30	16.87	13.96	46.08	35.78	11.49	7.11	41.19	35.12	8.22	3.95	35.81	31.28	5.95	2.25
		45	37.29	31.93	12.40	8.02	33.26	30.22	8.30	3.97	28.99	28.45	5.78	2.11	22.42	22.42	3.73	1.03
		50	26.04	25.38	8.66	4.22	22.56	22.53	5.63	1.96	19.67	19.67	3.93	1.06	12.18	12.19	2.03	0.34
18	1,800	40	59.12	43.63	19.65	21.28	54.12	41.35	13.49	10.99	49.15	39.12	9.80	6.27	43.78	36.77	7.28	3.72
		45	43.56	36.68	14.48	12.27	39.32	34.86	9.81	6.19	34.97	33.04	6.98	3.41	29.87	28.65	4.99	1.91
		50	30.32	29.59	10.09	6.42	26.73	26.73	6.68	3.07	24.07	24.07	4.81	1.76	19.17	19.17	3.19	0.86
20	2,000	40	63.14	47.09	20.98	23.87	57.72	44.62	14.39	12.29	52.46	42.29	10.46	7.02	46.92	39.88	7.80	4.20
		45	46.54	39.71	15.47	13.77	42.05	37.80	10.49	6.96	37.57	35.94	7.50	3.87	32.75	31.94	5.45	2.21
		50	33.35	29.90	11.08	7.64	29.59	28.75	7.39	3.72	26.12	26.12	5.22	2.03	21.22	21.22	3.53	1.03

TC = Total Capacity, MBh
 SC = Sensible Capacity, MBh
 GPM = Waterflow, Gallons per Minute
 PD = Pressure Drop, Feet of Water

Table 6 74 EDB/63 EWB Unit Capacity - MBh

Unit Size	Air Flow CFM	EWT Degree F	Water Temperature Rise F															
			6				8				10				12			
			TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD
14	1,400	40	53.32	36.65	17.72	15.22	48.84	34.60	12.17	7.87	44.10	33.55	8.80	4.45	38.77	30.20	6.45	2.58
		45	40.25	31.93	13.38	9.16	36.03	29.04	8.99	4.56	31.46	27.16	6.28	2.43	26.37	25.11	4.39	1.30
		50	28.01	26.95	9.32	4.79	24.04	23.18	6.01	2.16	21.15	18.00	4.22	1.26	16.26	16.26	2.71	0.56
16	1,600	40	58.07	40.38	19.30	17.67	53.05	38.11	13.22	9.08	47.98	35.87	9.57	5.15	42.42	33.49	7.05	3.01
		45	43.44	33.92	14.44	10.42	39.22	32.15	9.78	5.28	34.47	30.21	6.88	2.85	29.30	28.14	4.87	1.56
		50	30.61	28.66	10.18	5.59	27.10	27.10	6.76	2.73	23.61	20.43	4.71	1.50	18.76	18.76	3.12	0.71
18	1,800	40	67.50	46.48	22.43	26.84	62.18	44.06	15.50	13.99	51.87	43.22	11.34	8.08	51.32	39.27	8.53	4.90
		45	50.66	39.00	16.84	14.15	46.22	37.11	11.53	8.20	41.37	35.11	8.26	4.57	36.20	33.03	6.02	2.63
		50	35.75	32.85	11.89	8.55	32.09	31.40	8.01	4.28	27.63	27.63	5.52	2.18	23.30	23.30	3.79	1.09
20	2,000	40	72.11	50.13	23.96	30.13	66.29	47.48	16.52	15.64	60.57	46.89	12.08	9.02	54.78	42.45	9.11	5.49
		45	54.02	42.16	17.96	17.83	49.27	40.15	12.29	9.17	44.23	38.06	8.83	5.13	38.93	35.94	6.47	2.98
		50	38.27	35.67	12.73	9.63	34.46	34.18	8.60	4.84	30.00	30.00	5.99	2.53	25.15	25.15	4.14	1.31



Performance Data

Cooling Capacities

Ceiling Models HFCD14-20

TC = Total Capacity, MBh
 SC = Sensible Capacity, MBh
 GPM = Waterflow, Gallons per Minute
 PD = Pressure Drop, Feet of Water

Table 7 80 EDB/67 EWB Unit Capacity - MBh

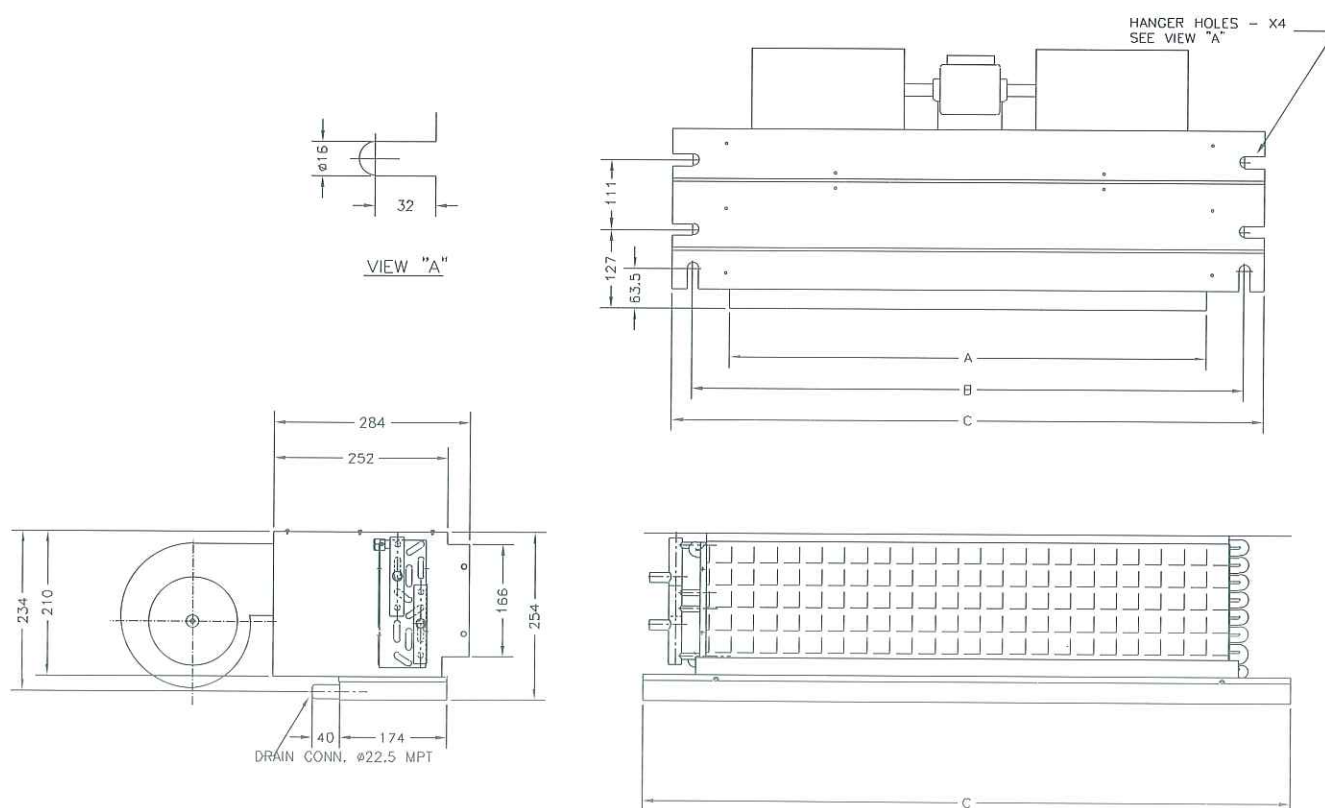
Unit Size	Air Flow CFM	EWT Degree F	Water Temperature Rise F															
			6				8				10				12			
			TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD
14	1,400	40	67.29	44.04	22.36	22.85	62.80	41.99	15.65	12.19	58.12	39.89	11.59	7.18	53.18	37.76	8.84	4.46
		45	53.63	37.96	17.83	15.07	49.41	36.18	12.32	7.89	44.85	34.31	8.95	4.50	39.95	32.35	6.64	2.67
		50	40.35	32.51	13.42	9.04	36.39	30.97	9.08	4.55	32.37	29.44	6.46	2.51	28.13	27.86	4.68	1.43
16	1,600	40	73.38	48.50	24.39	26.60	68.30	46.19	17.03	14.11	63.07	43.90	12.58	8.28	57.79	41.65	9.60	5.15
		45	58.30	41.89	19.40	17.44	53.63	39.93	13.38	9.09	48.72	37.93	9.72	5.20	43.61	35.92	7.25	3.11
		50	43.87	36.02	14.60	10.46	39.61	34.37	9.89	5.28	35.44	32.79	7.08	2.94	31.10	31.10	5.18	1.70
18	1,800	40	84.96	55.74	28.23	40.16	79.65	53.30	19.85	21.56	74.08	50.84	14.77	12.80	68.56	48.43	11.40	8.10
		45	67.81	48.14	22.55	26.53	62.83	46.03	15.67	14.00	57.56	43.86	11.49	8.11	52.34	41.77	8.71	4.98
		50	51.18	41.33	17.03	15.98	46.52	39.51	11.61	8.15	42.16	37.83	8.42	4.64	37.71	36.17	6.28	2.78
20	2,000	40	90.85	60.09	30.19	45.17	85.00	57.44	21.19	24.15	78.92	54.77	15.74	14.29	72.96	52.21	12.13	9.03
		45	72.34	51.97	24.06	29.73	66.94	49.69	16.70	15.64	61.28	47.39	12.23	9.04	55.82	45.22	9.28	5.57
		50	54.60	44.75	18.17	17.90	49.63	42.81	12.39	9.12	45.08	41.10	9.00	5.21	40.52	39.41	6.74	3.14

TC = Total Capacity, MBh
 SC = Sensible Capacity, MBh
 GPM = Waterflow, Gallons per Minute
 PD = Pressure Drop, Feet of Water

Table 8 84 EDB/71 EWB Unit Capacity - MBh

Unit Size	Air Flow CFM	EWT Degree F	Water Temperature Rise F															
			6				8				10				12			
			TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD	TC	SC	GPM	PD
14	1,400	40	82.45	48.50	27.40	32.65	77.97	46.45	19.44	17.78	73.28	44.37	14.62	10.76	68.34	42.26	11.36	6.90
		45	69.09	42.58	22.97	23.55	64.30	40.56	16.04	12.49	59.24	38.51	11.82	7.30	54.05	36.46	8.99	4.51
		50	54.83	36.77	18.23	15.55	49.71	34.79	12.40	7.84	44.85	32.98	8.95	4.43	39.75	31.12	6.62	2.60
16	1,600	40	90.01	53.33	29.91	38.08	84.91	51.04	21.17	20.65	79.61	48.73	15.88	12.42	74.06	46.39	12.31	7.93
		45	75.22	46.87	25.01	27.32	69.80	44.63	17.41	14.41	64.15	42.36	12.80	8.38	58.53	40.17	9.74	5.18
		50	59.59	40.59	19.82	18.00	53.83	38.40	13.43	9.00	48.57	36.46	9.70	5.08	43.27	34.55	7.20	3.02
18	1,800	40	103.90	61.27	34.53	57.25	98.60	58.84	24.58	31.34	93.05	56.38	18.56	19.06	87.21	53.88	14.50	12.32
		45	87.15	53.86	28.98	41.32	81.47	51.48	20.32	22.05	75.46	49.04	15.06	13.00	69.43	46.66	11.55	8.15
		50	69.28	46.60	23.05	27.34	63.18	44.25	15.77	13.90	57.46	42.13	11.47	7.95	51.93	40.10	8.64	4.83
20	2,000	40	111.20	65.95	36.95	64.49	105.30	63.30	26.25	35.18	99.22	60.65	19.79	21.32	92.82	57.94	15.43	13.73
		45	93.06	58.03	30.94	46.37	86.82	55.44	21.65	24.65	80.25	52.82	16.01	14.47	73.75	50.28	12.27	9.05
		50	73.79	49.69	24.58	30.58	67.19	47.78	16.77	15.48	61.06	45.50	12.19	8.84	55.26	43.40	9.20	5.38

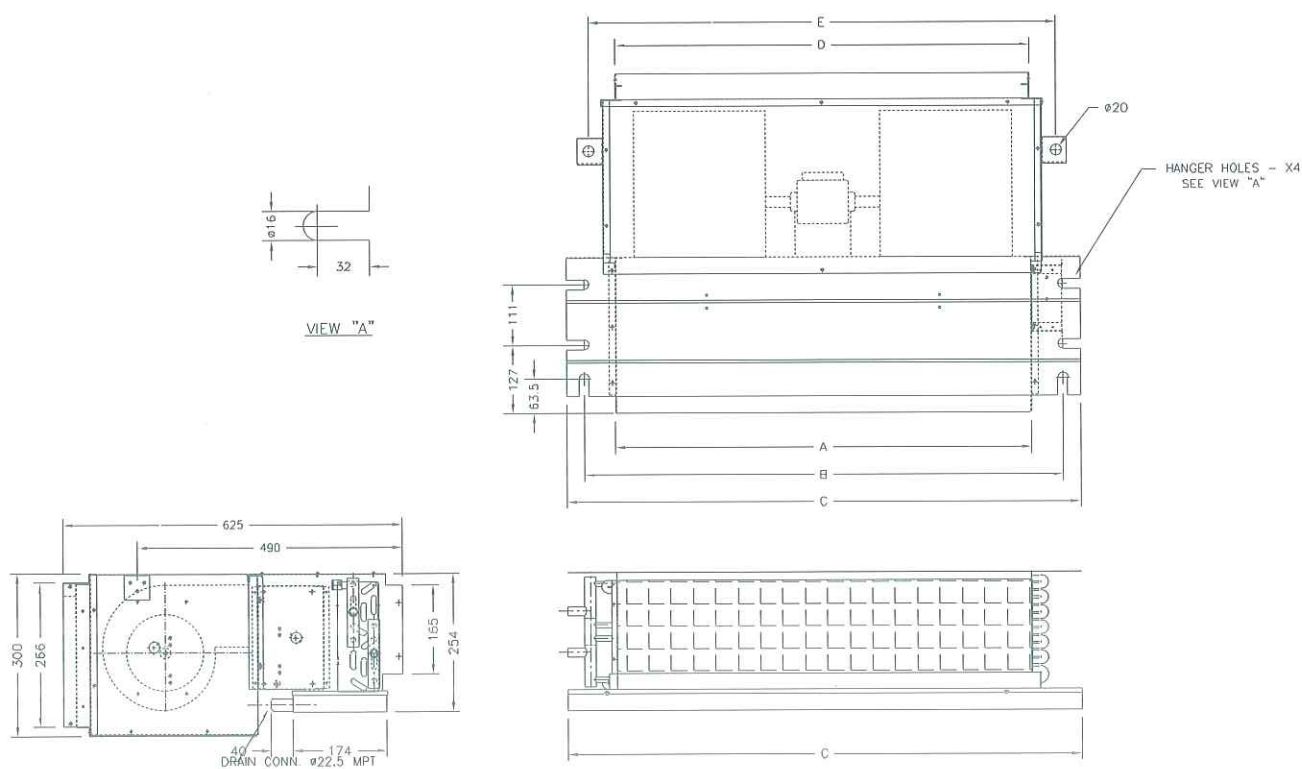
Dimensional Data Ceiling Models HFCC04-12



External Dimensions Without Plenum

Model No.	External Dimensions (mm.)			Conn. Sizes		Number Of	
	A	B	C	Inlet	Outlet	Fan(s)	Motor(s)
HFCC 04	762(30")	882(34 3/4)	946(37 1/4)	15.88(5/8")	15.88(5/8")	2	1
HFCC 06	762(30")	882(34 3/4)	946(37 1/4)	15.88(5/8")	15.88(5/8")	2	1
HFCC 08	762(30")	882(34 3/4)	946(37 1/4)	15.88(5/8")	15.88(5/8")	2	1
HFCC 10	914(36")	1034(40 1/4)	1098(43 1/4)	15.88(5/8")	15.88(5/8")	2	1
HFCC 12	1067(42")	1087(42 7/8)	1251(49 1/4)	15.88(5/8")	15.88(5/8")	2	1

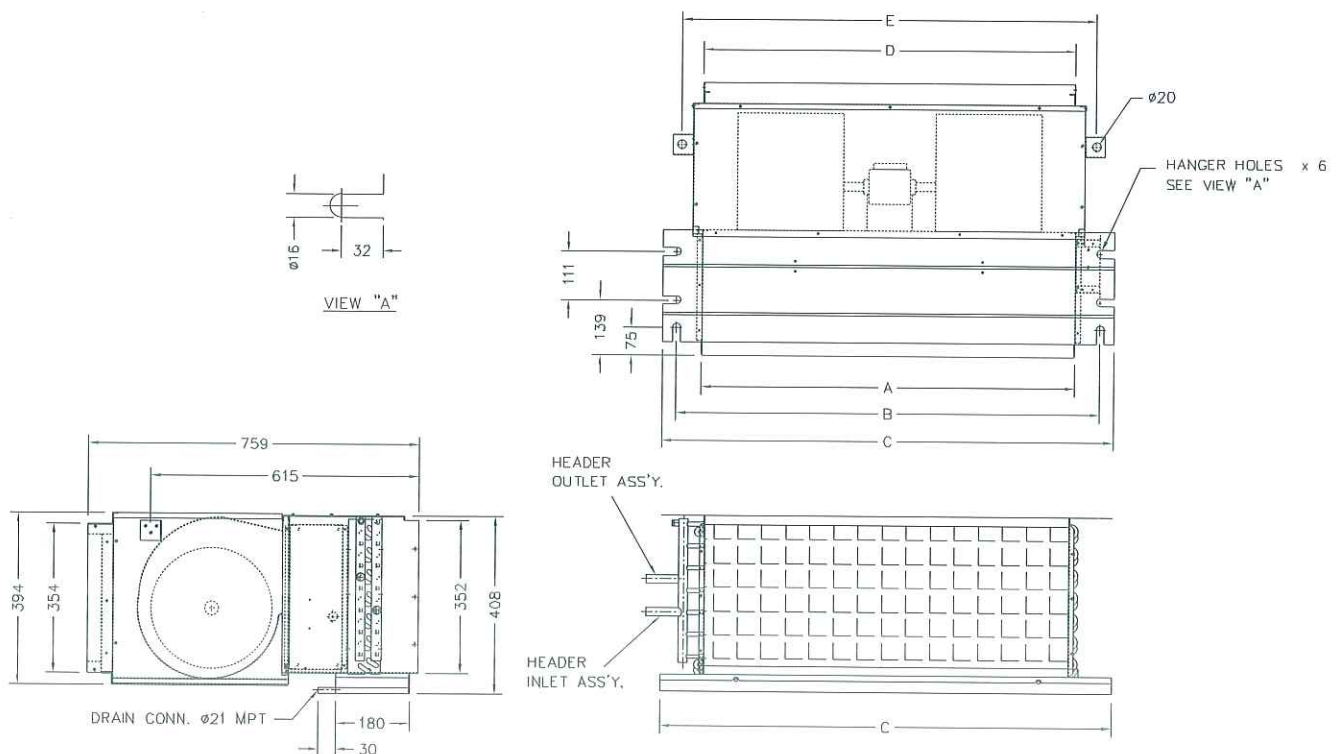
Dimensional Data Ceiling Models HFCC04-12



External Dimensions With Plenum (Option)

Model No.	External Dimensions (mm.)					Conn. Sizes		Number Of	
	A	B	C	D	E	Inlet	Outlet	Fan(s)	Motor(s)
HFCC 04	762(30")	882(34 3/4")	946(37 1/4")	762(30")	862(33 15/16")	15.88(5/8")	15.88(5/8")	2	1
HFCC 06	762(30")	882(34 3/4")	946(37 1/4")	762(30")	862(33 15/16")	15.88(5/8")	15.88(5/8")	2	1
HFCC 08	762(30")	882(34 3/4")	946(37 1/4")	762(30")	862(33 15/16")	15.88(5/8")	15.88(5/8")	2	1
HFCC 10	914(36")	1034(40 1/4")	1098(43 1/4")	914(36")	1014(39 15/16")	15.88(5/8")	15.88(5/8")	2	1
HFCC 12	1067(42")	1087(42 7/8")	1251(49 1/4")	1067(42")	1167(45 15/16")	15.88(5/8")	15.88(5/8")	2	1

Dimensional Data Ceiling Models HFCD14-20



External Dimensions (Return Air Plenum is Standard)

Model	All External Dimensions are in (mm.)					Conn. Sizes		Number Of	
	A	B	C	D	E	Inlet	Outlet	Fan (s)	Motor (s)
HFCD 14-16	916 (36.06")	1034 (40.70")	1107 (43.58")	907 (35.70")	1013 (39.88")	19.05 (3/4")	19.05 (3/4")	2	1
HFCD 18-20	1069 (42.08")	1187 (46.73")	1250 (49.21")	1060 (41.73")	1166 (45.90")	19.05 (3/4")	19.05 (3/4")	2	1

Mechanical Specification

General

HFCC_O: Concealed Ceiling Models
Designed specifically to meet many varied requirements demanded of concealed type installation, commonly used within the closets of hotels, motels and apartments, available in 400-1,200 cfm sizes.

HFCC_A/HFCD: Concealed Ceiling Models-with plenum

The unit shall be factory installed return air plenum that encloses the fan section of the HFCC_O unit. No field fabrication is required. The return air arrangement is adaptable between bottom or rear return of the plenum. Unit sizes offer a wide capacity range in 400-2,000 cfm.

Casings

Casings are constructed of zinc coated, heavy gauge, galvanized steel. Interior surface of unit panels are acoustically and thermally insulated with Polyethylene foam. Units are furnished as standard with a 1 inch duct collar to facilitate connection of the supply air duct.

Water Coils

Coils are of 2 rows or 3 rows design with highly efficient aluminum fins. Aluminum fins are mechanically bonded to 3/8 inch O.D. seamless copper tubes. All coils are specifically designed and circuited for water use. All coils are tested at 380 psi.

Fans

Fans are double width, double inlet multiblade centrifugal type. All fans are statically and dynamically balanced.

Drain Pans

Drain pans are integrally attached to coil casings and ended with drain hose. All pans are galvanized for corrosion resistance and cover the entire coil.

Motors

Single-phase motors are suitable for 220/1/50. All motors have 10 percent voltage utilization range and wired to unit terminal box. Motors are designed for long life.



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