

High Wall Type

Chilled Water / Hot Water



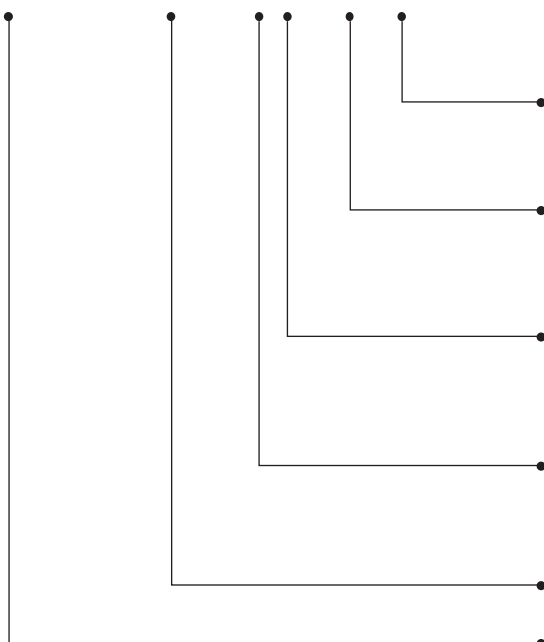
CFCHW-AECM



This High-Wall Unit is designed to meet and exceed demanding requirements for efficiency, quiet operation and appearance. The sleek profile and elegantly styled cabinet complements any interior design theme, while the microprocessor assures accurate environmental control.

- » Performance in accordance to Standard AHRI440
- » Sound Performance tested as per AHRI Standard 350-2000 (non-ducted equipment)
- » ETL-Listed, Constructed in compliance with ANSI/UL 1995 Standard
- » High-efficiency Variable speed ECM motor available for higher energy efficiency
- » Completed controller with VAV & VWV control logic
- » Merv 4 class filter as standard
- » 2-way /3-way modulating valve kit with Isolation ball valves & strainer is optional
- » 6-way valve is optional

CFCHW - 12 - V X - S - AECM



AECM	EC motor configuration
S	Complete controller with VAV&VWV control logic
W	EC motor driver suitable for connection to AC or EC modulating thermostat
X	220V/1P/60Hz EC motor
Y	115V/1P/60Hz EC motor
P	Chilled/Hot Water, 4-Pipe
V	Chilled/Hot Water, 2-Pipe
VEH	Chilled Water, 2-Pipe with Electric Heater
12~24	Unit Sizes
CFCHW	High wall type fan coil unit

Technical Data

CFCHW-AECM



Hydronic High Wall Unit with EC Motor

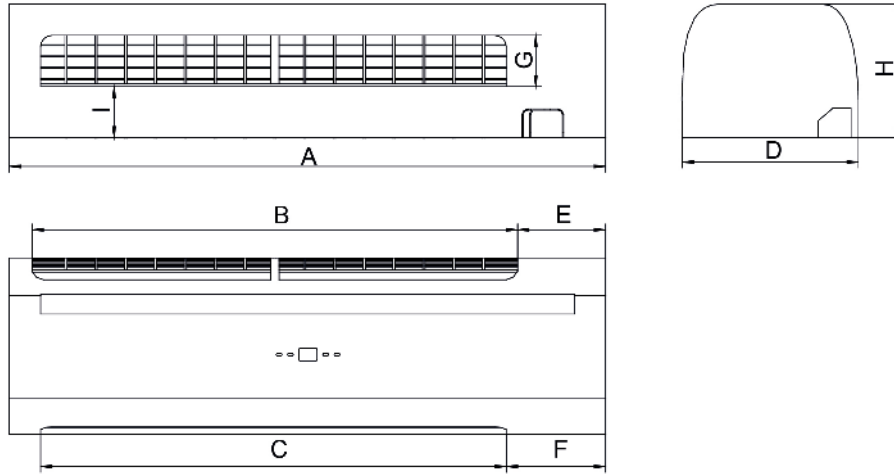
CFCHW-[Size]-V~-AECM				12	15	18	24	
Unit Configuration	Configuration			2-pipe				
	Number Of Fan Blowers			Single				
	Power Supply	(V/Ph/Hz)		115/1/60				
	Operation Control			~S: Complete controller with VAV&VWV control logic ~W: EC motor driver suitable for connection to AC or EC modulating thermostat				
Performance Data	Air	Air Flow	H	CFM	294	379	464	635
			M		218	294	435	576
			L		171	218	335	353
	Cooling	Cooling Capacity	H	BTU/Hr	8078	10199	12590	16540
			M		6289	8336	11018	14770
			L		5429	6289	8987	10316
		Sensible Cooling Capacity	H		5480	7031	8686	11156
			M		4202	5659	7507	9903
			L		3600	4202	6080	6769
	Heating	Heating Capacity	H	BTU/Hr	12558	15856	19572	25712
			M		9777	12959	17129	22961
			L		8440	9777	13970	16037
		Max. Electric Heater Capacity@220V	kW		1		1.5	
	Electrical	Fan motor power	H	W	13	22	30	40
			M		10	15	20	30
			L		8	10	13	19
	Sound	Sound Pressure Level (H/M/L)		dB(A)	40/33/28	45/34/31	49/44/37	47/44/37
		Sound Power Level (H/M/L)			49/42/37	54/43/40	58/53/46	56/53/46
	Hydronic	Cooling Water Flow Rate	H	GPM	1.6	2.01	2.49	3.27
			M		1.24	1.65	2.18	2.92
			L		1.07	1.24	1.77	2.04
		Cooling Pressure Drop	H	ft.wg	4.8	7.14	9.15	12.6
			M		3.14	5.06	7.29	10.4
			L		2.44	3.14	5.16	5.65
Heating Water Flow Rate		H	GPM	1.6	2.01	2.49	3.27	
		M		1.24	1.65	2.18	2.92	
		L		1.07	1.24	1.77	2.04	
Heating Pressure Drop		H	ft.wg	4.32	6.42	8.23	11.34	
		M		2.82	4.56	6.56	9.36	
		L		2.2	2.82	4.64	5.08	
Water Content			gal	0.03	0.03	0.05	0.07	
Water		Type		Socket(Threaded Female)				
Construction and Package Data	Connections	In	in	NPT1/2"				
		Out		Dia.5/8"				
	Condensate Drainage Connection							
	Dimensions	L	in	34-7/16			41-5/16	
		W		8-11/16			9-1/4	
		H		11-13/16			12-3/16	
Net Weight			lbs	28.7	28.7	30.9	35.3	

a. Cooling mode (2-pipe):
~Return air temperature: 80F DB/ 67F WB.
~Inlet/ outlet water temperature: 45F/ 55F.

b. Heating mode (2-pipe):
~ Return air temperature: 70F.
~ Inlet water temperature: 140F
~ Water flow same to cooling mode

Technical Data

Dimensional drawings



Model	Unit Dimensions (inch)								
	A	B	C	D	E	F	G	H	I
CFCHW-12/15/18	34-7/16	26-3/16	27-15/16	11-13/16	6-11/16	4-15/16	4-1/8	8-11/16	4-1/8
CFCHW-24	41-5/16	33-11/16	32-1/4	12-3/16	6-1/18	6-7/8	3-9/16	9-1/14	3-9/16

(All dimensions are approximate within 1/16 of an inch of those indicated)

Accessories / Options

Accessories	Photo	Code	Descrip
Pump kits		BCP-PUMP-CFCHW-001	230V pump kit
		BCP-PUMP-CFCHW-002	115V pump kit
Control		BCP-SW-CFCHW-001	Disconnect switch for CFCHW
E-heater kits		BCP18-EH-CFCHW-001	1 kW electric heater(220V) for CFCHW-12/15
		BCP18-EH-CFCHW-002	1.5 kW(5400Btu/h) electric heater kit(220V) for CFCHW-18
		BCP18-EH-CFCHW-003	1.5 kW(5400Btu/h) electric heater kit(220V) for CFCHW-24
Valve kits		AA09-THV08-001	115~240VAC 1/2" thermal 2-way on/off valve kit
		AA09-THV08-003	115~240VAC 1/2" thermal 3-way on/off valve kit
		BCP18-RCS-VALVE-CFCHW-001	24VAC 3/4" Modulating 2-way thermal valve kit



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