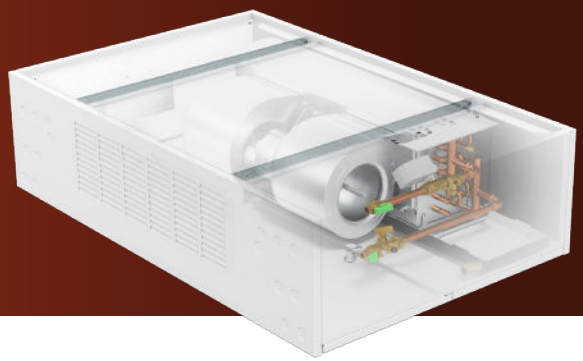
FAN COIL SOLUTIONS
FOR UNIVERSITIES

price | FAN COILS

FCH - Horizonal Low-Profile Fan Coil

Designed for student residences and campus facilities, the FCH delivers efficient performance in low-profile ceiling applications.

- Compact, low-profile design installs easily in tight dorm ceiling spaces.
- Quiet, reliable performance maintains comfort without disrupting study or rest.
- Service-friendly design with easy access panels reduces maintenance downtime.
- Thicker filters offer extended service intervals and improved performance.
- Energy-efficient ECM motor options lower operating costs.



FLEXIBLE DESIGN

- Available in concealed, plenum, or exposed cabinet designs.
- Handing options for chilled water, hot water, and electrical enclosures.
- Low-profile construction ideal for ceiling installations.
- Available with rear or bottom return configurations to suit ceiling layouts

SERVICE & RELIABILITY

- Easy-access panels reduce maintenance time and disruption in student housing.
- Dual-slope drain pan simplifies cleaning and inspection.
- Tool-less filter access for easy service.
- ECM motors designed for long life and quiet, reliable performance.
- Factory-mounted piping packages simplify installation and upkeep.

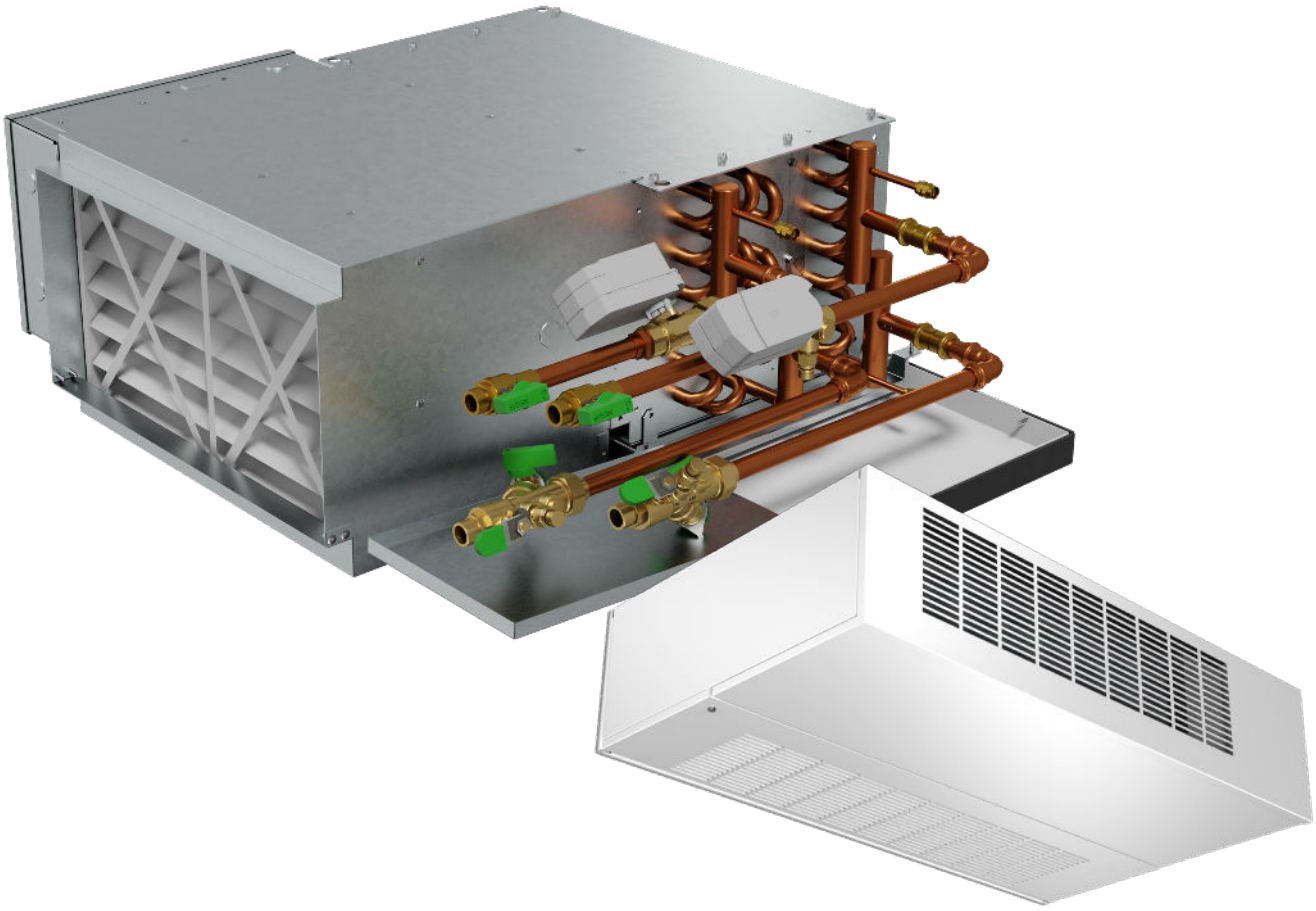
PERFORMANCE OPTIONS

- Energy-efficient ECM motor options lower operating costs for universities.
- Coils available with 2–5 rows for cooling and 1–2 rows for heating.
- High-capacity coil performance ensures year-round comfort.
- AHRI-certified coil and sound performance ensures reliable comfort year-round.

STANDARD FEATURES & OPTIONS

- Durable painted steel cabinet construction.
- Optional factory-installed valve packages.
- Choice of 3-speed or modulating ECM motor program.
- Optional fiber-free insulation for improved indoor air quality

Job Specific Capabilities



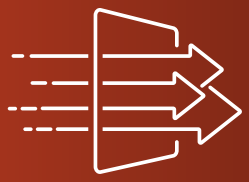
Factory mounted piping packages are engineered for tight ceiling spaces, reducing the need for onsite fabrication and ensuring dependable performance in high-density student housing.

How Price Fan Coils Can Save Thousands on Operating Costs

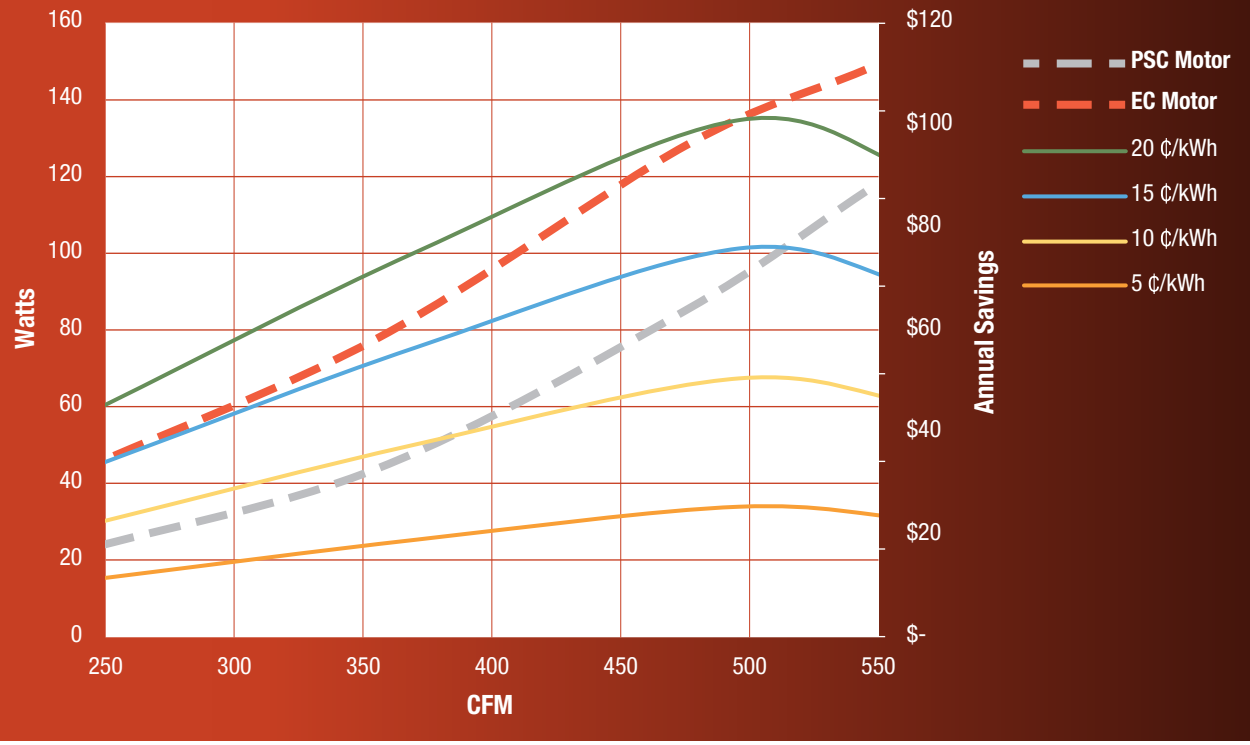
Most fan coils in operation today use PSC motors and 1" filters, which need replacement every 1-3 months, while Price fan coils feature high-efficiency EC motors and 2" filters, **which require replacement less frequently, every 3-6 months**.

LARGER SURFACE AREA

LESS AIRFLOW RESISTANCE

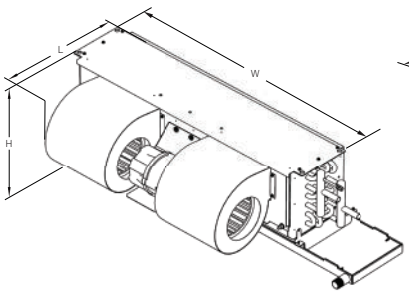


HIGHER DUST-LOADING CAPACITY

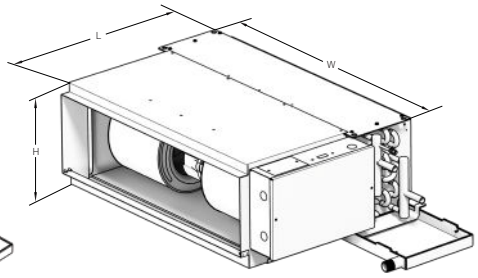


Competitor Cross Reference

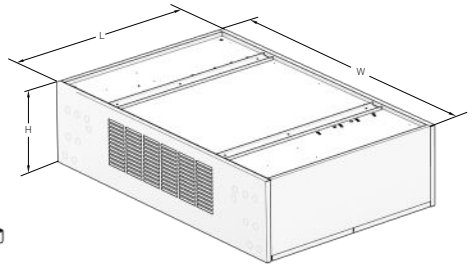
Manufacturer	Exposed	Plenum	Free Return
Price	**FCHE**	**FCHP**	**FCHC**
Carrier	42CG	42CE	42CA
Daikin	FCHC	FCHH	FCHH
Eng. Comfort	40HX	40HP	40HF
IEC	CXB	CPY	CHY
JCI	FHX	FHP	FHF
Trane	FCD	FCC & FCP	-
Titus	HBE	HBP	HBC
Whalen	HCEF	HCPR/HCPB	HCFR
Williams	LH-D	LD-X/LH-Y	LH-Q



FCHC



FCHP



FCHE

FCH FOOTPRINT DATA

Model	Size	Width (W)	Height (H)	Length (L)	
				Cooling	Preheat or Reheat
FCHC	2	16 in. (406mm)	10 3/8 in. (264 mm)	16 in. (406 mm)	20 in. (508 mm)
	3	20 in. (508mm)			
	4	26 in. (660mm)			
	6	32 in. (813mm)			
	8	40 in. (1016mm)			
	10	52 in. (1321mm)			
	12	60 in. (1524mm)			
FCHP (Rear Return)	2	16 in. (406mm)	10 3/8 in. (264 mm)	18 1/2 in. (470 mm)	22 1/2 in. (572 mm)
	3	20 in. (508mm)			
	4	26 in. (660mm)			
	6	32 in. (813mm)			
	8	40 in. (1016mm)			
	10	52 in. (1321mm)			
	12	60 in. (1524mm)			
FCHP (Bottom Return)	2	16 in. (406mm)	10 1/2 in. (267 mm)	18 3/4 in. (476 mm)	22 3/4 in. (578 mm)
	3	20 in. (508mm)			
	4	26 in. (660mm)			
	6	32 in. (813mm)			
	8	40 in. (1016mm)			
	10	52 in. (1321mm)			
	12	60 in. (1524mm)			
FCHE	2	36 in. (914mm)	12 in. (305 mm)	30 in. (762 mm)	30 in. (762 mm)
	3	40 in. (1016mm)			
	4	46 in. (1168mm)			
	6	52 in. (1321mm)			
	8	60 in. (1524mm)			
	10	72 in. (1829mm)			
	12	80 in. (2032mm)			

Height is measured from the top of the unit to the lowest point of the drain pan.

FCH - ELECTRICAL PERFORMANCE DATA

Model	Size	EC Motor		Fans	Amps			
		HP	Qty	Qty	115/1/60	208/1/60	230/1/60	277/1/60
FCHC	2	1/4	1	1	1.3	0.9	0.9	0.8
	3	1/4	1	1	1.4	1	1	0.9
	4	1/4	1	2	1.5	1.1	1.1	1
	6	1/4	1	2	2	1.4	1.4	1.2
	8	1/4	1	2	3.5	2.3	2.3	2.3
	10	1/4	2	4	3.6	2.5	2.5	2
	12	1/4	2	4	4.2	2.6	2.6	2.2
FCHE	2	1/4	1	1	2.1	1.7	1.7	1.7
	3	1/4	1	1	2.4	1.9	1.9	1.9
	4	1/4	1	2	2.7	1.8	1.8	1.7
	6	1/4	1	2	3.5	2.3	2.3	2.3
	8	1/4	1	2	3.5	2.3	2.3	2.3
	10	1/4	2	4	6	3.9	3.9	3.7
	12	1/4	2	4	7	4.6	4.6	4.6
FCHP	2	1/4	1	1	1.5	1.1	1.1	1.1
	3	1/4	1	1	1.6	1.2	1.2	1.1
	4	1/4	1	2	2	1.4	1.4	1.3
	6	1/4	1	2	2.8	2	2	1.7
	8	1/4	1	2	3.5	2.3	2.3	2.3
	10	1/4	2	4	4.8	3.4	3.4	2.8
	12	1/4	2	4	5.6	3.6	3.6	3.1

Note:

1. Test data obtained in accordance with ANSI/AHRI Standard 350-2015.
2. Sound Power levels expressed in decibels (dB) re 10^{-12} watts.
3. Sound power levels based on FCHE with 115/1/60 volt EC motor, 4 row coil, 1" MERV 8 filter, and 0.0" ESP.

FCH - AHRI 440 CERTIFIED STANDARD RATINGS DATA

Model	Size	Coil		Airflow		Conditions		Cooling Capacity		Flow	WPD	Power Input
		Rows	FPI	Setting	cfm	DB(°F)	WB (°F)	MBH	MBH	gpm	ft w.g.	Watts
FCHC	2	4	10	High	300	80	67	9.83	6.99	2	20.9	50
	3				350			10.76	7.81	2.2	2.6	55
	4				475			15.12	10.88	3	4.9	63
	6				600			19.77	14.1	4	8.5	77
	8				800			24.67	18	4.9	4.8	150
	10				1050			33.31	24.15	6.7	9.3	135
	12				1200			34.18	25.41	6.8	2.8	154
FCHE	2	4	10	High	300	80	67	9.83	6.99	2	20.9	118
	3				350			10.76	7.81	2.2	2.6	127
	4				475			15.12	10.88	3	4.9	154
	6				600			19.77	14.1	4	8.5	220
	8				667			22.02	15.69	4.4	4	213
	10				1050			33.31	24.15	6.7	9.3	353
	12				1200			34.18	25.41	6.8	2.8	394
FCHP	2	4	10	High	300	80	67	9.83	6.99	2	20.9	80
	3				350			10.76	7.81	2.2	2.6	89
	4				475			15.12	10.88	3	4.9	106
	6				600			19.77	14.1	4	8.5	140
	8				800			24.67	18	4.9	4.8	204
	10				1050			33.31	24.15	6.7	9.3	246
	12				1200			34.18	25.41	6.8	2.8	286

Note:

1. Cooling Capacity based on 45°F EWT & 10°F temperature rise. Airflow under dry coil conditions.
2. Motor type is ECM and motor voltage is 115/1/60.
3. FCHC and FCHP tested at 0.05" external static pressure. FCHE tested at 0.0" external static pressure.

FCHP - DUCTED DISCHARGE SOUND POWER LEVELS

Unit Size	Fan Speed	cfm	Sound Power Levels, Lw, dB re 10^{-12} Watts Fan Only Octave Band						
			2	3	4	5	6	7	8
	High	290	66	58	57	54	51	44	37
2	Medium	240	63	55	54	50	46	40	33
	Low	190	58	51	50	45	41	34	27
	High	350	62	57	56	54	51	45	38
3	Medium	260	57	52	51	48	45	38	32
	Low	170	51	46	45	41	37	28	26
	High	485	65	60	61	58	55	48	41
4	Medium	350	59	54	55	51	47	40	32
	Low	230	52	48	49	44	39	30	21
	High	630	64	60	59	57	55	48	41
6	Medium	420	58	53	53	49	46	38	31
	Low	240	50	46	45	40	35	26	18
	High	800	65	62	62	59	57	51	45
8	Medium	540	59	56	56	52	49	42	35
	Low	270	51	48	47	43	38	29	20
	High	1030	64	63	63	61	59	53	48
10	Medium	750	59	57	57	55	52	45	39
	Low	460	52	50	50	46	42	34	27
	High	1250	64	61	62	59	56	50	43
12	Medium	900	57	55	56	52	48	41	33
	Low	520	49	47	47	42	37	27	19

Performance Notes:

1. Test data obtained in accordance with ANSI/AHRI Standard 260-2012.
2. Sound power levels expressed in decibels (dB) re 10^{-12} watts.
3. Sound power levels based on FCHP with 115/160 volt ECM motor, 4 row coils, 0.05 in. ESP.
4. No duct end correction.

FCHE - AHRI 350 SOUND POWER DATA

Unit Size	Airflow		Sound Power Levels, Lw, dB re 10^{-12} Watts							
	Setting	CFM	63 1	125 2	250 3	500 4	1000 5	2000 6	4000 7	8000 8
	High	300	60	64	65	64	63	61	56	52
2	Medium	225	55	59	60	60	58	55	48	42
	Low	150	52	52	53	53	50	46	38	33
	High	350	59	63	64	64	62	60	54	47
3	Medium	263	56	59	60	60	58	55	48	41
	Low	175	52	52	53	53	50	46	37	33
	High	475	60	65	65	64	66	62	55	49
4	Medium	356	54	57	59	60	60	55	46	39
	Low	238	50	51	52	52	50	44	36	31
	High	600	63	66	65	67	65	63	59	52
6	Medium	450	58	61	61	63	59	56	48	41
	Low	300	54	54	54	56	51	46	37	32
	High	800	63	67	70	70	67	64	61	56
8	Medium	600	57	59	62	62	59	55	48	42
	Low	400	54	51	53	52	48	43	36	31
	High	1050	62	65	67	67	65	62	56	49
10	Medium	788	58	60	63	63	60	56	48	41
	Low	525	55	54	57	57	53	48	39	34
	High	1200	65	67	70	70	68	65	59	51
12	Medium	900	59	62	64	65	62	58	50	42
	Low	600	55	54	57	57	53	47	39	33

Performance Notes:

5. Test data obtained in accordance with ANSI/AHRI Standard 350-2015 (R2021).
6. Sound power levels expressed in decibels (dB) re 10^{-12} watts.
7. Sound power level based on FCHE with 115/1/60 volt ECM mow, 4 row coils.