



200 to 1200 CFM

When floor space is at a premium, this flexible series of fan coils provides an ideal solution for varying job requirements.

IEC's Horizontal Series Fan Coils offer:

- up to seven nominal sizes,
- the capability of customizing the cabinetry,
- the availability of exposed and hideaways units,
- telescoping units that provide a flush fit to the plaster or sheet rock,
- the flexibility for the architect and the designer to meet any job requirements.

These units are ideal for new construction and retrofit applications in dormitories, apartments, schools and many other applications.

APPLICATION FIT

- Multiple cabinet choices are available in seven nominal sizes (200-1200 CFM) for application in a variety of room layouts.
 - Horizontal Hideaway Series (CHY) is installed above the ceiling with or without ducted supply air and open “soffit” return with an optional ceiling-mounted filter-grille.
 - Horizontal Hideaway with Plenum Series (CPY) is installed above the ceiling with or without ducted supply air and ducted return air. The return air filter is either mounted on the unit plenum or installed in an optional ceiling filter-grille.
 - Horizontal Cabinet Series (CXB) with aesthetically pleasing cabinetry is ideal for air conditioning in dormitories, small apartments, schools and many other applications. Front supply, bottom and rear return are available.
 - Horizontal Telescoping Hideaway Series (CBY) with painted access panel allows smooth fit up to plaster or sheet rock ceilings. Standard units include bottom louvered return air with the filter located in the access panel.

DESIGN FLEXIBILITY

- Easy to use ratings program to speed up project design.
- Standard and high capacity hydronic and steam coils are available to match the heating and cooling loads of the space.
- Optional powder-coat paint finish colors and grille selections will complement most décors (exposed units).
- CXB and CBY series ordered with optional rear return are constructed with a solid bottom panel.
- Customizable cabinetry makes these units ideal for renovation jobs or where special sizes are required to fit oversized valves and control packages.
- Optional airflow configuration (front supply, bottom supply, rear return or bottom return) to meet multiple design applications.
- Outside air connections are available to meet ventilation requirements and reduce field labor (CXB/CBY/CPY).
- Wide variety of factory assembled valve packages to meet desired controls specifications.
- Optional condensate overflow switch to address latest building codes where required.
- Wide variety of optional insulation materials are available to address IAQ concerns.

EASE OF INSTALLATION

- Factory assembled valve packages minimize piping work at the job site.
- Optional unit mounted controls, service switches and fusing minimize the electrical work required on site.
- Units are factory tagged for clear identification on the job site.
- Opposite end connection units may minimize the piping work on renovation jobs.

QUALITY AND SAFETY

- Every unit is tested and inspected at the factory for trouble free start-up.
- ETL listed.
- AHRI certified.

EASE OF SERVICE

- Most components are accessible by simply removing the access panel.
- Filters can be replaced without tools or by opening the bottom panels on exposed units.
- Blower assembly is removeable from the rear of coil for service and cleaning.



CBY

Horizontal Series Fan Coils

CHY/CPY/CXB/CBY NOMINAL CAPACITY*

Unit Size	Nominal CFM	Cooling		Heating	
		Rows	Total Capacity Range MBH**	Rows	Heating Capacity Range MBH***
02	200	3 or 4	5.7 - 7.0	1 or 2	7.4 - 12.3
03	300	3 or 4	8.3 - 10.2	1 or 2	10.7 - 17.5
04	400	3 or 4	12.9 - 15.8	1 or 2	16.7 - 28.6
06	600	3 or 4	17.5 - 22.0	1 or 2	24.3 - 40.8
08	800	3 or 4	21.6 - 27.0	1 or 2	30.0 - 49.5
10	1000	3 or 4	25.8 - 33.2	1 or 2	38.9 - 64.8
12	1200	3 or 4	33.2 - 42.3	1 or 2	48.4 - 81.0

- NOTES:** * For detailed capacities please visit our website at www.iec-okc.com or contact your local representative. CHY data is shown.
 ** Cooling ratings based on 80°F DB and 67°F WB EAT, 45°F EWT with 10°F water temperature rise at 0.05 in wg external static, 115/1/60, and high speed.
 *** Heating ratings based on nominal CFM, 180°F EWT and 70°F EAT with 20°F water temperature drop at 0.05 in wg external static, 115/1/60, and high speed.

CHY/CPY PHYSICAL DATA - INCHES (MILLIMETERS)

Unit Size	Nominal CFM	Width	CHY Depth	CPY Depth	CHY Height	CPY Height
02	200	21-1/4" (540)	17-1/2" (445)	20" (508)	8-3/4" (222)	10-1/2" (267)
03	300	25-1/4" (641)	17-1/2" (445)	20" (508)	8-3/4" (222)	10-1/2" (267)
04	400	31-1/4" (794)	17-1/2" (445)	20" (508)	8-3/4" (222)	10-1/2" (267)
06	600	36-1/4" (921)	17-1/2" (445)	20" (508)	10" (254)	10-1/2" (267)
08	800	43-1/4" (1099)	17-1/2" (445)	20" (508)	10" (254)	10-1/2" (267)
10	1000	57-1/4" (1454)	17-1/2" (445)	20" (508)	10" (254)	10-1/2" (267)
12	1200	65-1/4" (1657)	17-1/2" (445)	20" (508)	10" (254)	10-1/2" (267)

- NOTES:** 1. Add 16" (406) to width of unit if optional drip lip or extended pan are used.
 2. Add 4" (102) to depth of unit when electric heat is ordered.

CXB PHYSICAL DATA - INCHES (MILLIMETERS)

Unit Size	Width	Depth	Height
02	38" (965)	23-1/2" (597)	11" (279)
03	42" (1067)	23-1/2" (597)	11" (279)
04	48" (1219)	23-1/2" (597)	11" (279)
06	53" (1346)	23-1/2" (597)	12" (305)
08	60" (1524)	23-1/2" (597)	12" (305)
10	74" (1880)	23-1/2" (597)	12" (305)
12	82" (2083)	23-1/2" (597)	12" (305)

CBY PHYSICAL DATA - INCHES (MILLIMETERS)

Unit Size	Width	Depth	Height
02	35" (889)	24" (610)	12 - 14" (305-356)
03	35" (889)	24" (610)	12 - 14" (305-356)
04	41" (1041)	24" (610)	12 - 14" (305-356)
06	53" (1346)	24" (610)	12 - 14" (305-356)
08	53" (1346)	24" (610)	12 - 14" (305-356)
10	75" (1905)	24" (610)	12 - 14" (305-356)
12	75" (1905)	24" (610)	12 - 14" (305-356)

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