

HORIZONTAL UNITS

200 to 1200 CFM



**INTERNATIONAL
ENVIRONMENTAL**

Flexible solutions for indoor environments



Design and installation versatility come standard with this horizontal series of fan coils which are specifically engineered to meet varying job requirements.

Ceiling exposed units with front supply ensure air flows directly into the designated area. Telescoping bottom units allow a smooth, even fit to plaster or sheet rock ceilings. Hideaway units round out this flexible series. Hideaway's are available with or without plenums, making them ideal for architecture that demands the units be concealed.

Design flexibility allows unit to be customized to meet specific job requirements making the horizontal series perfect for new construction and retrofit applications in dormitories, apartments, schools, and many other applications.

FEATURES and BENEFITS

APPLICATION FIT

- Several cabinet types that will meet a multitude of room layouts.
 - Ceiling exposed units (CXB) with aesthetically pleasing cabinetry in seven nominal capacities are ideal for air conditioning in dormitories, small apartments, schools and many other applications. Front supply units are often located such that the air flows directly into the room and returns through louvers in the cabinet bottom panel.
 - Telescoping bottom units with painted access panel (CBY) 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.
 - Hideaway models (CHY/BHY) units are installed above the ceiling with ducted supply air and open “soffit” return air by way of an optional filter-grille mounted in the ceiling.
 - Hideaway models with plenum (CPY/BPY) units are installed above the ceiling with ducted supply air and ducted return air. On these units, the return air filter is either mounted on the unit plenum or is installed in an optional ceiling filter-grille.

DESIGN FLEXIBILITY

- Standard and high capacity hydronic and DX coils are available to match the heating and cooling loads of the space.
- Optional powder paint finish color grille selections will blend those units easily with any décor (exposed units).
- Optional solid bottom panel (CXB, CBY) can be provided on units constructed with rear return air ducts.
- Custom cabinetry includes higher, wider, or deeper than the standard sizes. This makes these units ideal for renovation jobs or where special sizes are required for oversize valves or controls components.
- Optional airflow configuration (front supply, bottom supply, rear return, bottom return) to maximize flexibility.
- Outside air connections are available to meet ventilation needs (CXB/CBY/CPY/BPY).
- Wide variety of factory preassembled valve packages to meet desired controls specifications.
- Variety of insulation material to meet IAQ concerns.
- Optional condensate overflow switch to meet latest building codes where required.
- Easy to use ratings program to speed up project design.

EASE OF INSTALLATION

- Preassembled valve packages minimize the piping work at the jobsite.
- Optional unit mounted controls, service switches and fusing minimizes

the electrical work required on site.

- Units are tagged at the factory for ease of identification on job site.
- Opposite end connections on heating and cooling units minimize the piping work on renovation jobs.

EASE OF SERVICE

- All components are accessible by simply removing the access panel.
- Filters can be replaced by opening the bottom panels on exposed units.
- Blower assembly easily removed from the rear of coil for service and cleaning.

QUALITY AND SAFETY

- Every unit is tested and inspected at the factory for trouble free startup.
- UL, cUL and MEA listed.
- Units are ARI certified.

BHY/BPY NOMINAL CAPACITY*

Unit Size	Nominal CFM	COOLING		HEATING	
		Rows	Total Capacity Range MBH**	Rows	Heating Capacity Range MBH***
04	400	4	16.0	1,2,3	12.0 - 39.6
06	600	4	21.8	1,2,3	13.5 - 58.7
08	800	4	26.5	1,2,3	21.3 - 68.3
10	1000	4	37.2	1,2,3	24.0 - 92.5

NOTES

* For detailed capacities please visit our website at www.iec-okc.com or contact your local representative

** Ratings based on 80° DB and 67° WB EAT, 45° EWT with 10° water temperature rise

*** Ratings based on nominal CFM, 180° EWT and 70° EAT

Electric heat available from 1 KW to 6 KW

Steam and DX coils available

CHY/CPY/CXW/CBY NOMINAL CAPACITY*

Unit Size	Nominal CFM	COOLING		HEATING	
		Rows	Total Capacity Range MBH**	Rows	Heating Capacity Range MBH***
02	200	3 or 4	6.0 - 6.9	1,2,3,4	7.6 - 23.0
03	300	3 or 4	9.0 - 9.8	1,2,3,4	9.3 - 32.6
04	400	3 or 4	12.1 - 13.8	1,2,3,4	12.0 - 39.6
06	600	3 or 4	17.3 - 19.6	1,2,3,4	13.5 - 58.7
08	800	3 or 4	22.6 - 25.5	1,2,3,4	21.3 - 68.3
10	1000	3 or 4	27.5 - 31.0	1,2,3,4	24.0 - 92.5
12	1200	3 or 4	32.8 - 37.2	1,2,3,4	26.5 - 112.0

NOTES

* For detailed capacities please visit our website at www.iec-okc.com or contact your local representative

** Ratings based on 80° DB and 67° WB EAT, 45° EWT with 10° water temperature rise

*** Ratings based on nominal CFM, 180° EWT and 70° EAT

Electric heat available from .5 KW to 10 KW (Available KW varies with unit size and voltage)

Steam and DX coils available

CXB PHYSICAL DATA

Unit Size	CXB Width	Depth	CXB Height
02	38"	23-1/2"	11"
03	42"	23-1/2"	11"
04	48"	23-1/2"	11"
06	53"	23-1/2"	12"
08	60"	23-1/2"	12"
10	74"	23-1/2"	12"
12	82"	23-1/2"	12"

NOTES

- (1) All Dimensions are +/- 1/4"
- (2) Use extended cabinet CXW model when electric control valves, electric heat or 4 pipe system is selected.

CHY/CPY PHYSICAL DATA

Unit Size	Width	CHY Depth	CPY Depth	Height
02	21-1/4"	17-1/2"	20"	9"
03	25-1/4"	17-1/2"	20"	9"
04	31-1/4"	17-1/2"	20"	9"
06	36-1/4"	17-1/2"	20"	10-1/4"
08	43-1/4"	17-1/2"	20"	10-1/4"
10	57-1/4"	17-1/2"	20"	10-1/4"
12	65-1/4"	17-1/2"	20"	10-1/4"

NOTES

- (1) All Dimensions are +/- 1/4"
- (2) Add 4" to depth of units if electric heat is used
- (3) Add 10" to width of unit if optional drip lip or extended pan are used

CBY PHYSICAL DATA

Unit Size	Width	Depth	Height
02	35"	23-3/4"	12 - 14"
03	35"	23-3/4"	12 - 14"
04	41"	23-3/4"	12 - 14"
06	53"	23-3/4"	12 - 14"
08	53"	23-3/4"	12 - 14"
10	75"	23-3/4"	12 - 14"
12	75"	23-3/4"	12 - 14"

NOTES

- (1) All Dimensions are +/- 1/4"

BHY/BPY PHYSICAL DATA

Unit Size	Width	BHY Depth	BPY Depth	BPY Height	BHY Height
04	31-1/4"	19-3/4"	22-1/2"	12-3/4"	9"
06	36-1/4"	19-3/4"	22-1/2"	12-3/4"	11-1/4"
08	43-1/4"	19-3/4"	22-1/2"	12-3/4"	11-1/4"
10	57-1/4"	19-3/4"	22-1/2"	12-3/4"	11-1/4"

NOTES

- (1) All Dimensions are +/- 1/4"
- (2) Add 10" to width of unit if optional drip lip or extended pan are used
- (3) Add 4" to depth of units if electric heat is used