

MODULAR HI-RISE SERIES FAN COILS *300 to 1200 CFM*



**INTERNATIONAL
ENVIRONMENTAL**

Flexible solutions for indoor environments



IEC modular Hi-Rise units provide an integrated-package approach to condition indoor air. By providing risers (factory installed or shipped loose), pre-piped valve packages and factory installed controls, field labor and installation time is reduced, resulting in lower installation costs.

Forty-five different air flow configurations, quiet operation, customizable cabinetry and the fact that these units are suitable for both ducted and non-ducted applications, provide the most flexible unit in the industry and the right choice on new construction or renovation jobs.

Non-obtrusive return and supply grilles, combined with easy access to internal components, make these units a breeze to service and maintain.

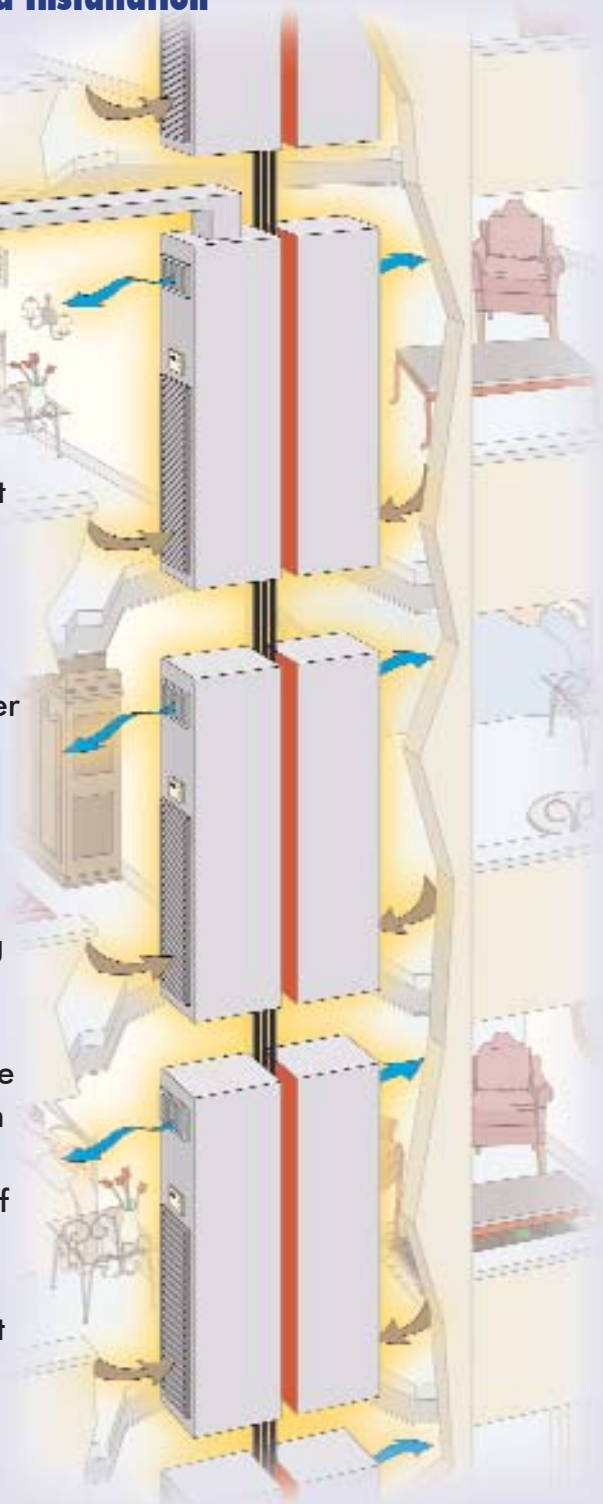
These units are the ideal solution for Hi-Rise, multi-story buildings, or any other application where a compact footprint and sound criteria are important.

VERSATILITY In Design And Installation

One of the unique traits of the Modular Hi-Rise fan coil system is the versatile unit arrangements possible with this factory-assembled and integrated package. Modular Hi-Rise fan coils are designed to be unobtrusive in the room and are often positioned in a corner, along the perimeter wall or as part of a partition separating two areas. They can also stand alone in an exposed configuration.

For those applications where the Hi-Rise fan coils are part of a partition separating two areas, two hybrids were developed to speed installations and reduce the installed costs. In those applications where the construction allows the risers to run in the partition between the two units, the **Ditto** was developed. The Ditto consists of two units complete with their own valves and controls, which are shipped factory-assembled and share a riser at their point of attachment.

For those applications where building design restricts the positioning of riser piping in the separation chase between the two units, the **Siamese Ditto** was developed with the risers attached to the side of one of the individual units, rather than in the separation chase between them.



Both the Ditto and Siamese Ditto Modular Hi-Rise fan coils are UL classified and listed in the UL Fire Resistance Directory, 27WL, when properly configured and installed.

FEATURES and BENEFITS

APPLICATION FIT

- Exposed and concealed cabinets with 45 possible airflow configurations provide solutions for multiple applications.
- A variety of aesthetically pleasing return and supply grilles will blend with most décors.
- Thermostats are available as unit, surface, wall or ADA mounted for ease of human interface.
- Specifically designed for quiet operation.

DESIGN FLEXIBILITY

- Easy to use ratings program to speed up project design.
- Wide variety of coil sizes to match the heating and cooling loads of the space. Coils with different materials and pressure drops to meet the needs of custom applications are also available.
- Standard and optional high static motors to meet the needs of applications where duct work is required.
- Customizable cabinetry is available for special applications. Ideal for new construction and renovation projects.
- Ditto Hi-Rise fan coil designed to serve two separate rooms using UL classified one-hour fire-rated construction and insulation material.
- Multiple riser locations for total flexibility.
- Wide variety of valve packages factory installed to meet desired control specifications.
- Manual or motorized outside air dampers are available to meet ventilation requirements and reduce field labor.
- Several filter media available to address IAQ requirements.
- Extensive offering of control options are available.
- Wide variety of insulation material available to address IAQ concerns.

FEATURES and BENEFITS

(continued)

- Heavy galvanized or stainless steel drain pan, standard and removable, with pre-formed rubber p-trap for long life.

EASE OF INSTALLATION

- Units assembled at the factory to minimize field installation labor.
- Units palletized and shipped floor by floor in coordination with the construction schedule.
- Riser length is coordinated to the job specifications and pre-fabricated with the specified material. Risers are factory installed or shipped separately.
- Risers swaged to reduce field brazing labor and to ensure the integrity of the connections.
- Drywall can be applied directly to the surface of the concealed unit with factory provided duct collars and drywall stops to ensure a high quality finished appearance.
- Control box at eye level for ease of field wiring.

EASE OF SERVICE

- Filters easily accessible by removing return air panel.
- Removable motor and blower with quick-connect.
- Eyesight level and easily accessible control box.

QUALITY AND SAFETY

- Every unit tested and inspected at the factory for trouble free start-up.
- UL, cUL and MEA listed
- ARI certified

IEC'S MODULAR HI-RISE FAN COIL

An Intergrated-package Approach To Indoor Air Quality



DESIGN FEATURES

- 1 Factory-Installed Insulated Water and Condensate Risers
- 2 Swaged Riser Connection
- 3 Double-deflection Discharge Air Grille
- 4 Galvanized Steel Cabinet
- 5 Drywall
- 6 Thermostat with Quick Connect
- 7 Return Air Access Panel
- 8 Removable Motor and Blower Assembly with Quick Connect
- 9 Draw-through, Four-pipe Coil®
- 10 Filter
- 11 Factory-installed Control Valves with Quick Connects
- 12 Insulated Drain Pan with P-trap
- 13 Control Box

* Available are 2-pipe, 4-pipe (shown), 2-pipe auxiliary electric heat, and 2-pipe total electric heat. Option adds include Sureflow™, Conditioned Air and Heat Pipe.

MODULAR HI-RISE FAN COILS

**300 to
1200 CFM**

NOMINAL CAPACITY*

Unit Size	Nominal CFM	Rows	COOLING		HEATING	
			Total Capacity Range MBH**	Rows	Heating Capacity Range MBH***	
03	300	3 or 4	11.5 - 12.2	1,2	11.3 - 25.1	
04	400	3 or 4	13.6 - 15.6	1,2	11.5 - 28.9	
06	600	3 or 4	21.9 - 26.0	1,2	19.8 - 42.1	
08	800	3 or 4	27.5 - 31.4	1,2	20.1 - 46.0	
10	1000	3 or 4	37.7 - 42.2	1,2	25.2 - 61.2	
12	1200	3 or 4	43.1 - 46.5	1,2	25.4 - 65.5	

NOTES

* For detailed capacities, please visit our website 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 160° EWT and 70° EAT. 3 and 4 row heating coils allowed in 2 pipe system only.

Electric heat available from 1 KW to 10 KW in all commercial voltages.

DX coils available as an option. Contact the factory.

Maximum 5 combined (heating and cooling) rows.

PHYSICAL DATA

Unit Size	All Units Height	All Units Width	MPY, MMY, MSY Depth	MX Y Depth	MAY/MBY Depth
03	88"	17"	17"	22-3/8"	40-1/4"
04	88"	17"	17"	22-3/8"	40-1/4"
06	88"	20"	20"	25-3/8"	46-1/4"
08	88"	20"	20"	25-3/8"	46-1/4"
10	88"	24"	24"	29-3/8"	54-1/4"
12	88"	24"	24"	29-3/8"	54-1/4"

NOTES

All Dimensions are +/- 1/4"

MX Y and MAY/MBY depth dimensions include riser chase