

AirStream™ Room Fan Coils



turn to the experts™ 





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The Utmost in Product Flexibility



Multi-occupant structures come in all shapes and sizes. And while hotels, hospitals, schools and

apartment buildings are all very different, they all have the same need — to provide a comfortable environment for the people inside. How do you create such an environment and, at the same time, minimize your investment, energy use and operating costs? By making Carrier AirStream™ fan coils part of your heating and cooling system.

With Carrier AirStream fan coils, you can select from five horizontal, one hydronic cassette, six vertical, five ducted, four stacked and two belt-drive units; furred-in or cabinet-style, slant-top or low-silhouette, in 150- through 4,000-cfm capacities. Many optional control packages are also available and optional decorative colors allow the units to blend with any interior design. AirStream fan coils provide building occupants with the ultimate in quiet and comfort.

Flexibility

When it comes to product range, no other selection of fan coils is more complete than Carrier's AirStream product line. With everything from belt-drive units to ducted and unique stackable configurations — all in multiple models and capacities — AirStream units offer you exceptional flexibility.

Reliability

Airstream fan coil quality offers reliable operation with reduced service and maintenance expenses. Airstream fan coils are easy to service with removable panels providing access to components and connections. Condensate drain pans are made of heavy-gage, galvanized steel with closed-cell, fire-retardant foam insulation. Water never touches the pan metal, so corrosion is minimized and a long, trouble-free life is ensured. With the Airstream series, filters are cleanable or can be thrown away. Motor bearings are the heavy-duty sleeve type with oversized oil reservoirs to ensure a long bearing life. The motor bearing assembly can be easily removed from the unit, and all coils are factory leak tested.



Quiet Operation

Our AirStream units are built to operate unobtrusively with quiet motors and fans. Each cabinet is lined with Tuf-Skin™ II insulation, a thick, sound-absorbing, multidensity, matte-faced, neoprene-coated fiber-glass insulation for added sound absorption. A rugged, rigid construction also ensures a vibration-free operation at all fan speeds.

Affordable Installation

Each AirStream unit is designed to occupy a minimum amount of space making them ideal for retrofit applications. There are no complex system controls required. Piping, drain and wiring connections are readily accessible, and mounting holes and slots are predrilled to save installation time and field labor expenses. We also offer extensive factory-installed options to reduce installation expenses. We can provide factory-installed, low-voltage controls that simplify on-site wiring, and prepped, prewired motorized valve packages. Pop-top valve actuators simply snap on and off, should the valve package require servicing.

The Right Level of Control

Team your AirStream fan coil with Carrier's communicating Zone Controller or non-communicating Debonair™ thermostats and you gain powerful control over efficiency and comfort.

These low-voltage digital controls utilize a SmartFan™ control, which automatically matches fan speed to run at the lowest setting capable of maintaining the room set point. These controls open up a world of options that allow you to adjust fan coil operation based on occupancy and actual cooling or heating requirements — and decrease energy usage and operating costs in the process.

Debonair stand-alone thermostats, available in nonprogrammable and seven-day programmable versions, provide efficiency and simplicity across the AirStream product lineup. Yet they're surprisingly affordable with a long list of standard features, making them a powerful, economical alternative to networked controls.

AirStream fan coils reach their full money-saving potential and versatility when they operate as part of a Carrier Comfort Network® (CCN) control system. The CCN control system is a fully integrated, intelligent control system that reduces costs by identifying and meeting each zone's temperature, humidity and ventilation requirements. At its heart is Carrier's fan coil zone controller, a precise, powerful interface that controls and synchronizes the operation of the fan coil in each zone.

For all your comfort needs, Carrier has the right level of control.



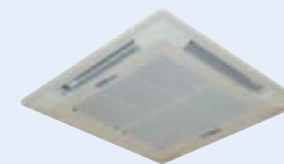
42V Vertical Units

- 150 to 1,200 CFM
- Furred-in or cabinet models offer front or top discharge
- "Lowboy" under-window models save space
- Simple to specify
- Reduced installation expenses
- Ideal for replacement



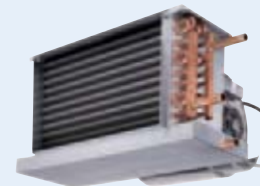
42B Belt-Drive Units

- 600 to 4,000 CFM
- Horizontal and vertical configurations
- Factory-balanced fans lessen vibration
- Reduced operating costs
- Extensive factory-installed options
- Easy to maintain and service
- MERV 11 filter option



42WKN Hydronic Cassette Units

- 260 to 1160 CFM
- Ideal for retrofits with suspended ceilings
- Provides spot cooling in buildings with variable loads
- System-integrated controls
- Low sound level (high noise insulation)
- Single-source system design



42D Ducted Units

- 600 to 2,000 CFM
- Horizontal and vertical configurations
- Quiet, efficient operation and dependable performance
- Delivers great occupant comfort



42C Horizontal Units

- 200 to 1,200 CFM
- Low silhouette minimizes space requirements and adds versatility
- No expensive ductwork needed
- Reliable operation
- UL- and AHRI-certified products

AirStream 42S

42S Stack Units

- 300 to 1,200 CFM
- Require only one field power and a simple riser connection
- Reduce installation costs by 10% to 20% compared to other systems
- New universal stack unit is designed for easy field configuration

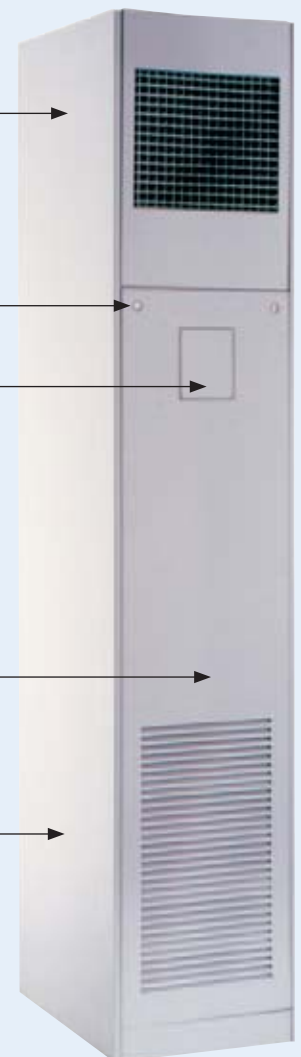
Complete Flexibility on Supply Location

Easy Access to Filter and Internal Components

Factory-Mounted Controls — Easy Access

Factory-Mounted Valves Internal to the Unit

Full Risers Built Into Unit, Reducing Field Installations



Selection Guide

42C Horizontal Units

42CA	Furred-in ceiling model with low silhouette
42CE	Furred-in ceiling model with factory-installed plenum
42CG	Under-ceiling mount cabinet model with stamped return-air grille
42CK	Cabinet model with telescoping flip-down panel
42CF	High-static, furred-in model

42S Stack Units

42SG	Furred-in stack for concealed applications or furred-in stack, master and slave units
42SH	Exposed stack for use where concealed installations are impractical
42SJ	Back-to-back, furred-in stack units
42SU	Furred-in Universal Stack Units

42B Belt-Drive Units

42BH	Under-ceiling mount with or without electric heat
42BV	Floor mount in closet or mechanical room

42V Vertical Units

42VA	Furred-in model for under-window applications, top or front discharge
42VB	Cabinet model with top or front discharge
42VF	Cabinet model with slant top and top or front discharge
42VC	Furred-in lowboy model for concealed, under-window applications
42VE	Cabinet lowboy model with stamped discharge grille
42VG	Furred-in wall model

42D Ducted Units

42DA	Furred-in ceiling model for ceiling or over-closet installation
42DC	Furred-in ceiling model with factory-installed plenum
42DD	Vertical model with galvanized casing, common for closet installation
42DE	Ceiling model with galvanized casing
42DF	Exposed-ceiling cabinet model

42W Hydronic Cassette Units

42WKN	Ceiling mounted low profile cassette with exposed fascia
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Sustainability

At Carrier sustainability and preservation are at the forefront of our thinking. We strive to offer our customers a choice of environmentally sound solutions, evidenced by our fan coil units that come with the following options and standards:

- High MERV filter option
- Programmable thermostat option
- Recycled materials used
- No HCFC foams or VOC paints used
- Antimicrobial drain pan coating

Turn to the Experts

Whatever your HVAC needs, from specifying and purchasing to installation and maintenance, Carrier has the solution. As the world leader in heating, ventilation and air conditioning, Carrier is committed to continually improving the quality of comfort for our customers.

From concept to finished product, your local Carrier sales representatives walk with you every step of the way. Whether you have one building, multiple sites nationwide or special equipment and facility requirements, Carrier sales representatives will recommend a solution that fits your scope and budget.



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Manufacturer reserves the right to discontinue, or change at any time, specifications or designs, without notice and without incurring obligations.