AirStream™ Room Fan Coils

AirStream™



The Utmost in Product Flexibility

AIRSTREAM™

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, and providing building occupants with the ultimate in quiet and comfort.

FLEXIBILITY & AVAILABILITY

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 to ducted units and unique stackable configurations – all in multiple models and capacities – AirStream units offer exceptional flexibility and availability. Have a tight project schedule? Carrier's Quick Ship Program includes most standard models.

RELIABILITY

AirStream fan coil quality offers reliable operation with reduced service and maintenance expenses. Carrier's AirStream fan coils are easy to service with removable panels providing access to components and connections. All coils are factory leak tested and units are factory run tested prior to shipment.

QUIET OPERATION

Carrier's AirStream units are built to operate unobtrusively with quiet motors and fans. Each cabinet is lined with 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 prepiped, 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.

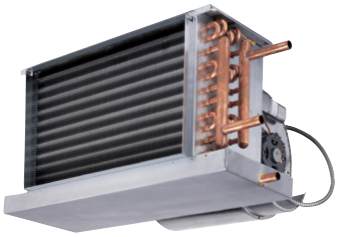
Debonair stand-alone thermostats, available in nonprogrammable and seven-day programmable versions, provide efficiency and simplicity across the AirStream product lineup. Yet they're surprisingly affordable with a long list of standard features, making them a powerful, economical alternative to networked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

AirStream fan coils reach their full money-saving potential and versatility when they operate as part of a Carrier i-Vu Open control system. The control system is a fully integrated, BACnet based, 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 open 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.

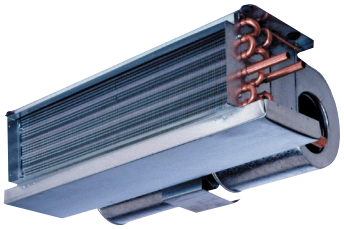
42V Vertical Units

- 150 to 1,200 CFM
- Furred-in or cabinet models offer front or top discharge
- “Lowboy” under-window models save space
- PSC or EC motors
- Hydronic coils
- MERV 13 filter option
- High capacity coils
- Slide out blower and motor assembly for ease of service



42D Ducted Units

- 600 to 2,000 CFM
- Horizontal and vertical configurations
- High Static PSC or EC motors
- Hydronic, Steam, or DX coils
- MERV 8 filter option

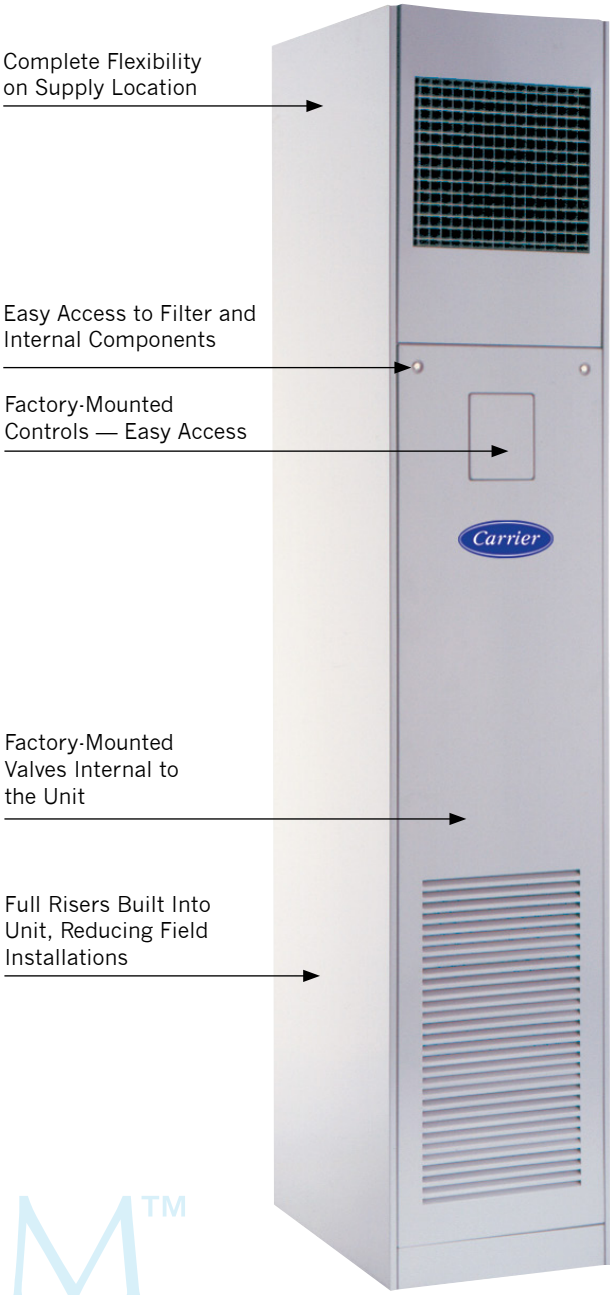


42C Horizontal Units

- 200 to 1,200 CFM
- Low silhouette minimizes space requirements and adds versatility
- PSC or EC motors
- Hydronic, Steam, or DX coils
- MERV 8 filter option

42S Stack Units

- 300 to 2,000 CFM
- Require only one field power and a simple riser connection
- Reduce installation costs by 10% to 20% compared to other systems
- Universal arrangement option allows for easy field configuration



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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

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

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
42SM	Furred-in high capacity mega-stack units

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
42DH	Horizontal direct drive blower coil
42DV	Vertical direct drive blower coil

AIRSTREAM™

Benefits at a Glance

For Building Owners and Managers

- Reliable operation
- Delivers great occupant comfort
- Reduced operating costs
- Quiet operation
- Easy to maintain

For Consulting Engineers

- Simple to select
- Quiet operation
- System-integrated controls
- Single-source system design
- ETL certified products

For Contractors

- Extensive factory-installed options
- Reduced installation expenses
- Ideal for replacement
- Easy to service

A LEGACY OF TRAINING

Willis H. Carrier began training members of the heating, ventilation, air conditioning and refrigeration industry in 1905. Carrier continues to promote technical expertise in the industry with the expansion of its sustainable solutions curriculum and has recently been named a U.S. Green Building Council Education Provider (USGBC EP).

To earn this status, Carrier's course materials were reviewed by a panel of USBGC peers and deemed to provide the high level of quality required for training Leadership in Energy and Environmental Design (LEED®) professionals. The courses and workshops supporting LEED-Accredited Professional and Green Associates credential maintenance are administered through Carrier University.

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