



OMNIZONE™ Indoor Self-Contained Systems



The Ultimate
Floor-by-Floor Solution



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If you're looking for indoor self-contained systems, look no further. Omnizone™ self-contained systems offer superior cooling value with the flexibility of floor-by-floor comfort and control. These self-contained compact units are available in a range of models, with a variety of options and controls that let you build the system that's right for your building, your tenants and your budget.

Omnizone systems provide ultimate flexibility, efficiency, affordability, quiet and control. You can select the best cooling source for your Omnizone system, whether air, water or remote-cooled, and enjoy the energy savings that come with highly efficient advanced scroll technology. The Omnizone system eliminates the need for an equipment room, adding to its cost effectiveness, because its small footprint and quiet operations permit installation anywhere in your facility. Finally, Omnizone offers ultimate responsiveness and reliability, whether governed by electromechanical or microprocessor-based controls.

No matter what your building configuration, the Omnizone system offers appropriate stand-alone cooling to meet your tenants' comfort needs.

FLEXIBILITY

Ideal for both retrofit and new applications, Omnizone self-contained systems offer a choice of water-, air- or remote-cooled models. With small footprints and attractive styling, they're equally suited for installation in an equipment room or in a conditioned space, helping you make the most of your square footage. Omnizone systems' floor-by-floor

flexibility allows you to install only what you need and expand only when you're ready. You can tailor each space to tenants' specific needs while maximizing your resources as well.

EFFICIENCY

Omnizone systems are designed for efficient operation, helping you contain today's rising energy costs. Units feature advanced-scroll technology, multiple compressors per circuit and Carrier's integrated waterside economizer (available on most models), which help reduce compression hours for further cost minimization and increased reliability.

AFFORDABILITY

Carrier's indoor self-contained systems are a great way to lower your installed costs, saving an estimated \$1–\$2/sq. ft. over applied systems. Because they are self-contained, they require no chilled-water pipes or pumps. And since they can be installed practically anywhere, you can avoid the expense of a large equipment room.

QUIET

Omnizone self-contained systems' comfort benefits extend beyond temperature control to sound attenuation, which is very important to today's customers. Spring-mounted scroll compressors, spring-isolated fans with flexible discharge connections and insulated cabinets all contribute to Omnizone systems' quiet operation.

THE RIGHT LEVEL OF CONTROL

All Omnizone systems come factory-ready to provide stand-alone cooling control. The 50XCW/XCA/XCR models come standard with electromechanical controls, offering the ultimate in simplicity and worry-free operation. Features such as high- and low-pressure switches, Cycle-LOC™ protection and Time Guard II devices fully protect the unit from unsafe operating conditions.

The constant volume (CV) 50BV models feature a solid-state control board, which manages compressor staging and ensures safe operation. Factory-installed relay options provide dry contacts for remote indications of alarm status or external start/stop commands from other building automation systems. All CV units are designed for compatibility with a broad selection of commercial thermostats.



Omnizone™ 50XCW/XCR/XCW

- Indoor Vertical Air-Cooled, Water-Cooled and Remote-Cooled
- 5 to 20 Tons
- HFC Puron® Refrigerant (R-410-A)
- AHRI Certified

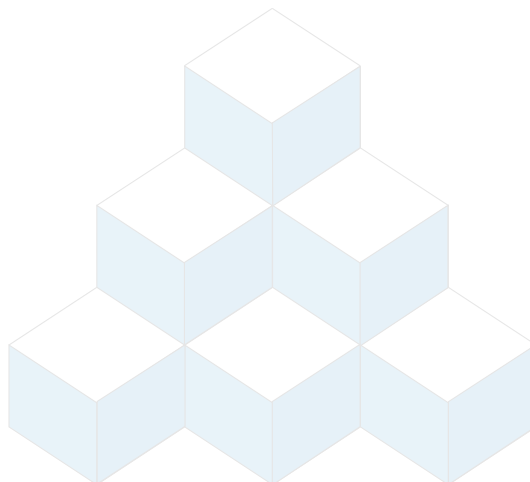
All Omnizone self-contained variable air volume (VAV) units use Carrier's state-of-the-art microprocessor-based controllers. The controller is pre-programmed at the factory with algorithms that were custom designed for Omnizone self-contained systems. The controller is a fully communicating network control. The controllers allow expansion modules to be added to the system control for a variety of options and accessories to handle virtually any special requirements.

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



Omnizone™ 50BV

- Indoor Water-Cooled
- 18 to 60 Tons
- HFC Puron® Refrigerant (R-410-A)
- AHRI Certified



Selection Guide

Model	Tons	Water-Cooled	Air-Cooled	Remote Air-Cooled	Water Source Heat Pump	Constant Volume	VAV
50XCA	5 to 20		✓			✓	
50XCR	5 to 20			✓		✓	
50XCW	5 to 20	✓				✓	
50BVC	20 to 30	✓				✓	
50BVQ	18 to 30	✓			✓	✓	
50BVJ	18 to 30	✓					✓
50BVT	30 to 60	✓				✓	
50BVV	30 to 60	✓			✓	✓	
50BVW	30 to 60	✓					✓

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 USGBC 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.

THE FUTURE OF THE WORLD DEPENDS ON OUR ABILITY...TO SUSTAIN IT.

As the world's leader in high technology heating, air-conditioning and refrigeration solutions, we believe that market leadership requires environmental leadership. Carrier sets industry standards for environmentally sound business practices and a commitment to sustainability across its products, services and operations. We demonstrate this commitment by creating environmentally responsible solutions that consume less energy and incorporate innovations that improve the world – indoors and out.

