

OMNIZONE™
Indoor Self-Contained Systems

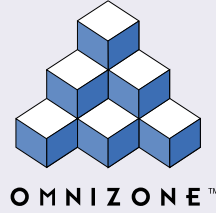


Turn to the Experts.™



OMNIZONE™ Indoor Self-Contained Systems

The Ultimate Floor-by-Floor Solution



If you're looking for indoor self-contained systems, look no further. Carrier's 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.

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.

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.

Omnizone 50BRN Water-Cooled 5 to 20 Ton



Efficiency

Omnizone systems are designed for efficient operation, helping you contain today's rising energy costs. Units feature advanced-scroll technology and excellent part-load efficiency, delivering an Energy Efficiency Ratio (EER) of more than 13.0 and kW/ton as low as 0.65. Multiple compressors per circuit and Carrier's integrated waterside economizer (available on most models) help reduce compression hours for further cost reduction and increased reliability.



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 50BRN/BZN/BYN 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 constant volume units are designed for compatibility with a broad selection of commercial thermostats.

All Omnizone self-contained variable air volume (VAV) units use Carrier's state-of-the-art Comfort Controller (CC6400) microprocessor-based controller. The Comfort Controller is pre-programmed at the factory with algorithms that were custom designed for Omnizone self-contained systems. The Comfort Controller is a fully communicating network control and can send Omnizone self-contained system status over the Carrier Comfort Network® (CCN). The Comfort Controller allows 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.



50BYN
 ■ Air-Cooled
 ■ 5 to 20 Ton

50BZN
 ■ Remote Air-Cooled
 ■ 5 to 15 Ton



50BV
 ■ Water-Cooled or Remote Air-Cooled
 ■ Single-Piece (18 to 30 Ton) or Modular (30 to 60 Ton)



50XJ
 ■ Water-Cooled
 ■ 60 to 100 Ton

Selection Guide

Model	Tons	Water-Cooled	Air-Cooled	Remote Air-Cooled	Water Source Heat Pump	Constant Volume	VAV
50BZN	5 to 15			✓		✓	
50BRN	5 to 20	✓				✓	
50BYN	5 to 20		✓			✓	
50BVC	18 to 30	✓				✓	
50BVE	18 to 30			✓		✓	
50BVQ	18 to 30				✓	✓	
50BVJ	18 to 30	✓					✓
50BVK	18 to 30			✓			✓
50BVT	30 to 60	✓				✓	
50BVU	30 to 60			✓		✓	
50BVV	30 to 60				✓	✓	
50BVW	30 to 60	✓					✓
50BVX	30 to 60			✓			✓
50XJ	60 to 100	✓					✓

Benefits at a Glance

For Building Owners & Managers

- Reduces operating expenses
- Quiet operation
- Reliable operation
- Greater occupant comfort
- User-friendly controls

For Consulting Engineers

- Quiet operation
- Proven reliable design
- Streamlined design process
- Ideal for replacement projects
- Optimized capacity unloading

For Contractors

- Easy to service
- Ideal for replacement
- Reliable operation
- Factory and field-stocked

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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