

**OMNIZONE™**  
**Indoor Self-Contained Systems**

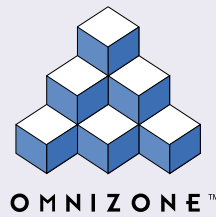


Turn to the Experts.™



# 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

