HIGHLIGHT

Applied Rooftop Units

STAGED AIR VOLUME (SAV™) SYSTEM

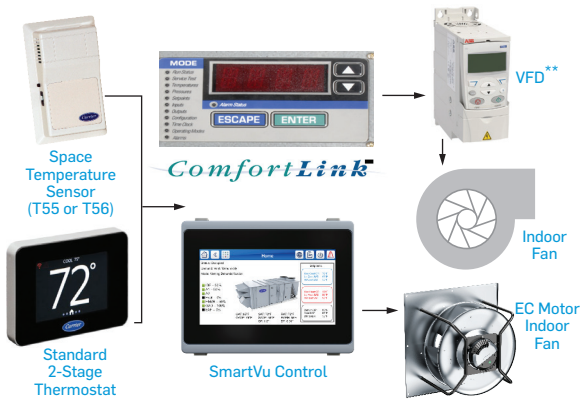
The Staged Air Volume SAV™ System saves energy and installation time by automatically adjusting the indoor fan motor speed in sequence with the units cooling, heating*, dehumidification and ventilation operation. The A and P series accomplish this with a indoor fan motor paired with a VFD and the V series with an ECM indoor fan motor array.

ENERGY SAVINGS

- Compared to single speed indoor fan motors, SAV™ systems can save energy to help reduce operating costs*
- Improves unit Integrated Energy Efficiency Ratio (IEER)
- May qualify for utility rebates

CODE COMPLIANT

- Compliant with ASHRAE 90.1 – 2016 and IECC 2015 standards for zone HVAC systems controls and equipment
- Meets requirement for California Title 24 indoor fan speed control for single-zone HVAC systems



A and P Series (Comfort Link)
Low Cool Demand / Capacity - Low Cool Fan Speed
High Cool Demand / Capacity - High Cool Fan Speed
Low Heat Demand / Capacity - Low Heat Fan Speed
High Heat Demand / Capacity - High Heat Fan Speed

V Series (SmartVu)
Low Cool Demand / Capacity - Low Cool Fan Speed
Med Cool Demand / Capacity – Med Cool Fan Speed
High Cool Demand / Capacity - High Cool Fan Speed
Low Heat Demand / Capacity - Low Heat Fan Speed
High Heat / Demand Capacity - High Heat Fan Speed

INDOOR FAN WITH VFD (A & P SERIES)

- The indoor fan VFD is factory installed, programmed, and tested, reducing installation and startup time
- ComfortLink automatically modulates the indoor fan speed based on current operating stage or demand level
- User can select between SAV(TM) demand or capacity and adjust select indoor fan speed settings
- Preprogrammed speed settings allow for easy pulley adjustments for air balancing
- The VFD provides indoor fan motor over current protection and soft start capabilities

INDOOR FANS WITH EC MOTOR (V SERIES)

- The indoor fan array is factory installed, addressed, programmed, and tested, reducing installation and startup time
- SmartVu modulates the indoor fans speed based on the operating stage or demand level
- User can select between SAV(TM) demand or capacity and adjust the speed settings, which can simplify air balancing
- ECM motors maintain near peak efficiency through the entire operating range
- Eliminates issues of belt slippage or breakage

COMFORT CONTROL

- Helps lower indoor humidity level at lower speeds by improving air over coil efficiencies
- Indoor fan speed is matched to the current capacity level (SAV™ Capacity) or the demand level (SAV™ Demand) for better load profile control and occupant comfort
- Simple Set-Up and Operation
- Provides quieter operation during part load conditions
- No special training or certified start up is required
- Can be used with Wi-Fi and standard thermostats or with space temperature sensors

PRODUCTS	Available On Most
A/P/V Series Rooftops	20-100 tons


ARENAS


AUDITORIUMS


EDUCATION

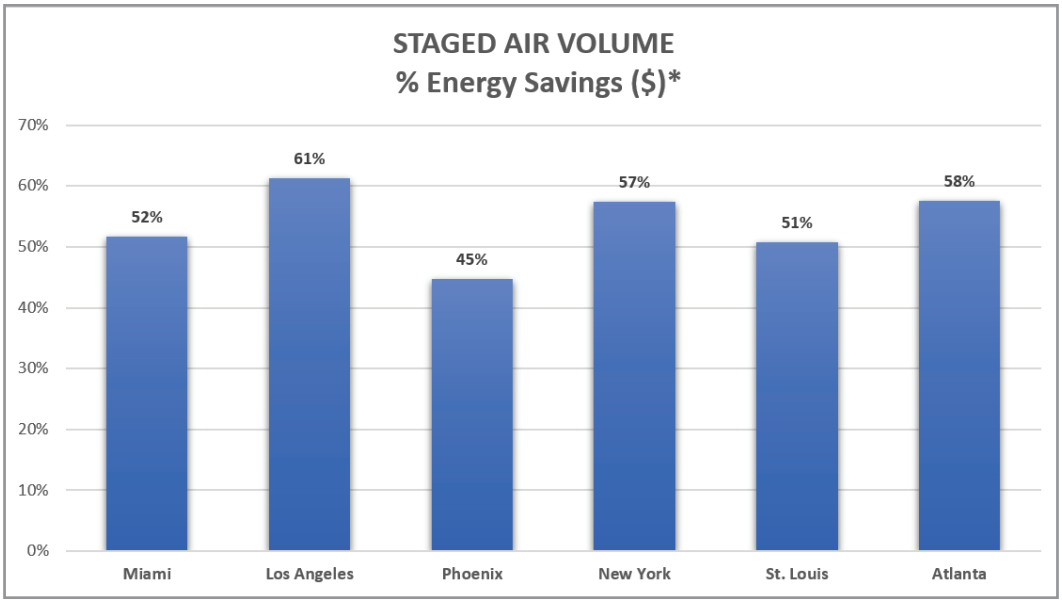

HOSPITALITY


INDUSTRIAL


OFFICES


RETAIL

*See back page for details
**VFD unit is shown with optional keypad in place

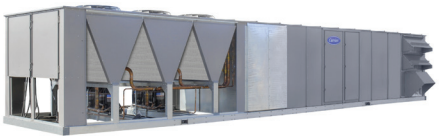


*Annual estimated electric energy savings utilizing Commercial Invest Program v4.4. Based on cooling and ventilation fan runtime hours using ASHRAE 90.1 office application, default schedule, weather and building data. Carrier model 48A2D030 at Avg ($/kWh) energy rate per location.

SAV is available on the following Carrier® Packaged Rooftop and Ductless Split System Units:

48/50 A

48/50 V



48/50 P

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