



Delivered VAV

A low-cost, small tonnage VAV system



What is Delivered VAV?

Delivered VAV is the Trane low-cost, small tonnage, variable air volume (VAV) system. This system design offers prematched components that make it easier for contractors to install, start-up, commission, and deliver comfort to your building.

The simplicity of a Delivered VAV system starts with cutting-edge technology from Trane. You benefit from increased energy savings and improved comfort for your building occupants.

Cutting-edge technology

- Simple system access is provided through a graphical touch-screen operator interface.
- Scheduling is easy with a built-in, 7-day time clock.
- Room thermostats have easy-to-read digital displays.
- One central control panel can monitor and control up to 32 individual zones.

Energy savings

- Rooms with intermittent use are monitored by energy-saving sensors, allowing the system to heat or cool only when needed.
- The fan pressure optimization feature allows the fan to work less during times of lower heating and cooling loads. The rooftop runs at reduced capacity, thus saving

Enhanced indoor air quality

- Indoor air quality is enhanced by CO2 sensors located in one zone, or throughout the building. Sensors communicate CO2 levels to the central control panel and fresh air is delivered to the zone as needed.

Contractor ready-to-go systems save \$\$\$

- Factory-installed unit controls have integrated temperature and pressure sensors, and communicating controllers.
- A quick, easy-to-use Windows™-based program can access advanced features found in more expensive BAS software.
- Contractors spend less time on the job. The system automatically locates all components on start-up, builds an operating database, and then starts the HVAC system.
- Contractors prepare the system for balancing by pushing one button on the panel or by clicking one button in the software.

Increased comfort and efficiency

- Features like morning warm-up, daytime warm-up, and discharge air temperature reset allow the system to meet building heating and cooling needs and still maintain efficiency.

Pictured are the components of a Delivered VAV system: Voyager Commercial VAV Rooftop, VariTrane VAV Terminal Units, and VariTrac Central Control Panel with Operator Display



The Delivered VAV system . . .

A Delivered VAV system includes three Trane products designed to work together seamlessly, right out of the box.

A Voyager™ commercial VAV rooftop

- Available in five sizes, 27½ to 50 tons
- Contains Trane-engineered microelectronic controls
- Features variable frequency drives or inlet guide vanes
- Uses a communications interface

B VariTrane™ VAV terminal units

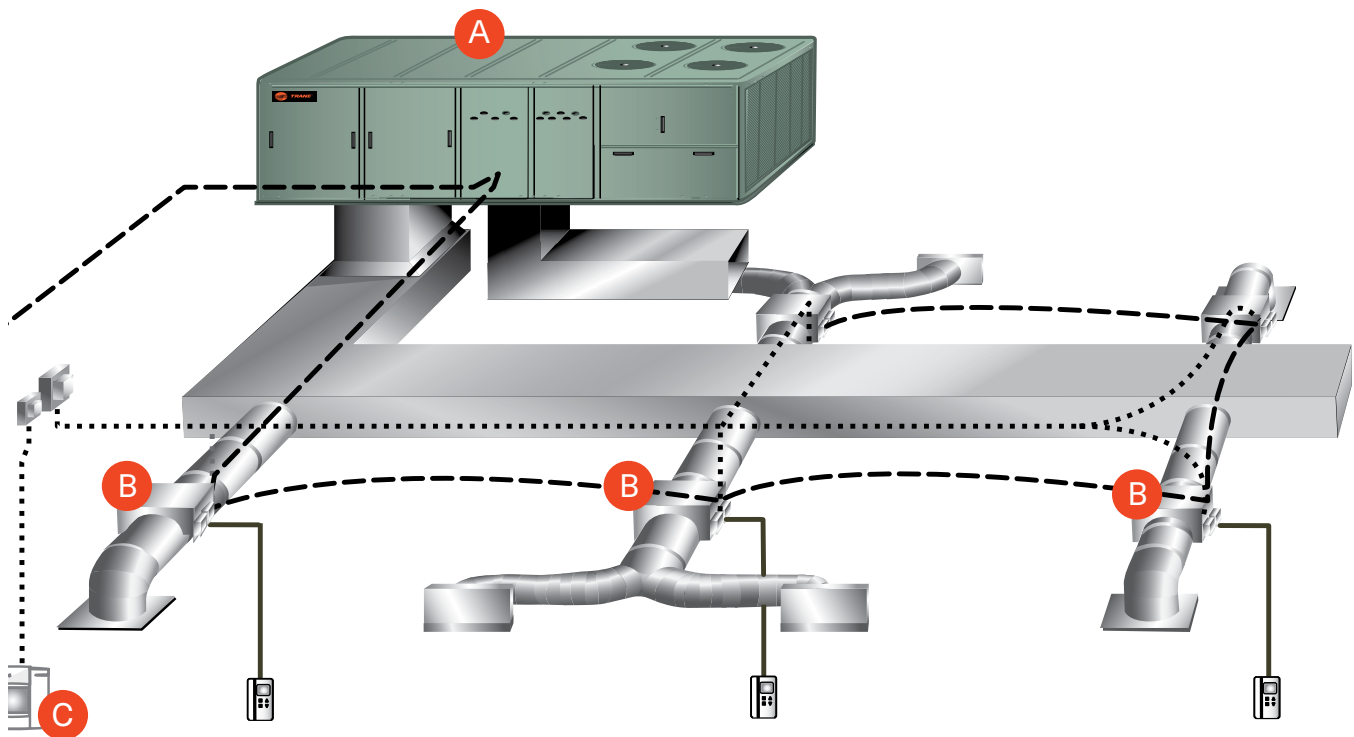
- Adaptable to diverse applications and environments
- Available as single-duct or fan powered boxes with optional, factory-installed local heat

C VariTrac™ central control panel

- Features an easy-to-use touchscreen operator display
- Provides complete HVAC system status
- Allows easy access to temperature setpoints and schedules

Delivered VAV system features

- Automatic configuration and start-up
- Morning warm-up and daytime warm-up
- Discharge air temperature control
- Discharge air temperature reset
- Supply air pressure control and pressure limiting
- Fan pressure optimization
- CO2-based demand control ventilation



Legend

- Communications Link (2 cond, Level 4 comm wire)
- 24 Vac
- Sensor wiring

Learn more at trane.com



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.com or tranetechnologies.com.

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