

Trane Zoned Rooftop Systems combine packaged rooftop units, VAV terminal units, a Tracer Concierge™ system control panel, and Air-Fi® Wireless controls into pre-engineered systems that deliver cost-effective comfort, energy efficiency and are easy to install and operate. The system types range from single-zone to multiple-zone with various options for airflow modulation, cooling and heating.



## Target Markets

Many light commercial buildings have traditionally used several single-zone systems with thermostats – often because better systems were thought to be too complicated and/or too expensive to install. Because Trane Zoned Rooftop Systems are easy to apply and install, they can be cost-competitive with other system alternatives, while providing better energy efficiency and remote access.

Some common building types that are ideal targets include:

- Small office buildings
- Schools
- Religious facilities; churches
- Retail/restaurants
- Banks
- Car dealerships
- Healthcare: small MOB/clinics
- Light Industrial; mixed office/warehouse



## System Benefits

### Cost-effective superior comfort for small buildings

Systems are available in single- or multiple-zone configurations to provide comfort control for different areas of the building with varying comfort needs. Integration with Tracer Concierge and Air-Fi Wireless controls allow flexible sensor locations and accommodate future space use changes.

### Easy to design, install and operate

Packaged rooftop units provide cooling, heating, and ventilation in a single piece of equipment, simplifying system design, installation, and maintenance. Pre-engineered components and factory-installed controls enable on-time and on-budget installation.

### Efficient system operation

Trane rooftop units are available in a range of efficiency tiers to match any budget and energy use goals. Integrated demand-controlled ventilation and economizer free cooling further reduces energy use.



## Application Considerations

There are several system types available, with different costs, benefits and limitations. It is common to use more than one system type in a building.

	Single-Zone Systems		Multiple-Zone Systems			
	Constant Volume	Single-Zone VAV	Changeover Bypass	Changeover VAV	VAV with Terminal Electric Heat	VAV with Terminal Hot-Water Heat
Number of Zones Served	Single Zone Only	Single Zone Only	Multiple Zones	Multiple Zones	Multiple Zones	Multiple Zones
Supply Fan Speed Control	Constant-Speed	Variable-Speed (or Two-Speed)	Constant-Speed	Variable-Speed	Variable-Speed	Variable-Speed
VAV Terminal Units	Not Applicable		Required (Available with Optional Heat)		Required (with Electric Heat)	Required (with Hot-Water Heat)
Bypass Damper	Not Applicable		Required	May be Required	Typically Not Required	
Pivot™ Smart Thermostat	X	Two-Speed Only	Not Applicable			
Tracer® Concierge™	X	X	X	X	X	X



### Packaged rooftop units (3 to 25 tons)

- Pre-engineered, factory-assembled cooling, heating, and ventilation in a single piece of equipment
- Supports single- or multiple-zone applications, with constant- or variable-speed fan control
- Three tiers of efficiency: standard, high, or ultra-high

### VAV terminal units (200 to 8000 cfm)

- Trane flow ring provides unmatched airflow measurement accuracy and control
- Pre-programmed, factory-commissioned Tracer™ UC210 DDC controls with wired or Air-Fi® Wireless communications
- Options for electric or hot-water heat, with staged or modulating control

### Tracer Concierge™

- Intuitive, easy-to-use operator interface on a 10-inch touchscreen display
- Mobile apps allow access from anywhere
- Wired or Air-Fi® Wireless communications
- Standard, pre-packaged applications with optimized system control sequences

### Air-Fi® Wireless controls

- Eliminates wires between equipment controllers and zone sensors, and between equipment and system controllers, allowing for faster installation, increased location flexibility, and easier relocation
- Self-healing wireless mesh and extended signal range maximize reliability



## The one-minute message:

Trane® Zoned Rooftop Systems provide light commercial customers with cost-effective options to increase comfort and energy efficiency, while simplifying operation and maintenance. These packaged system solutions make advanced functionality affordable and easy for non-technical users to operate.



## Resources:

- Zoned Rooftop Systems catalog, APP-PRC005-EN
- Zoned Rooftop Systems sell sheet, ENV-SLB024-EN
- [LC3 Account Managers HUB](#)
- [Zoned Rooftop Systems HUB](#)