



Zoned Rooftop Systems

Packaged systems using Trane® Precedent® or Voyager® 3 rooftop units enabled by Symbio®

Trane® Zoned Rooftop Systems provide customers with affordable options for small buildings, to increase comfort and efficiency, while simplifying maintenance.

Cost-effective, superior comfort for small buildings

Trane® Zoned Rooftop Systems are available in single- or multiple-zone configurations to provide cost-effective comfort control for different areas of the building with varying comfort needs.

The Tracer Concierge® control system offers the benefits of a building automation system—without the complexity—and goes beyond managing individual rooms by operating the building smartly and efficiently. It provides advanced capabilities for multiple-zone systems, is easy to use, and offers worry-free operation.

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.

Trane® Zoned Rooftop Systems use pre-engineered components and factory-installed controls that are designed to work together, contributing to on-time and on-budget installation. They use familiar components and are easy to reconfigure if the space use changes in the future.

The pre-packaged Tracer Concierge® system control panel, with its auto-discovery and configuration capabilities, allows for easier and faster installation. It includes an intuitive, easy-to-use operator interface on a 10-inch touchscreen display, along with mobile apps that allow the operator or service provider to manage the building from anywhere.

The use of Air-Fi® Wireless controls results in faster project completion, increased sensor location flexibility, greater reliability due to self-healing mesh networking, and easier relocation to accommodate future space use changes.



Efficient system operation

Trane® Zoned Rooftop Systems take advantage of the newest technologies to improve comfort and increase efficiency in small buildings.

Trane rooftop units are available in a range of efficiency tiers to match your budget and energy use goals. Manifolder compressors and variable-speed technologies are available to adjust compressor capacity and fan speeds to more precisely match load requirements. This improves comfort in the space while reducing energy use at the same time. Zoned Rooftop Systems also offer integrated demand-controlled ventilation and economizer free cooling, further reducing energy use.

To fully capitalize on the performance benefits offered by these advanced technologies, integrated system control is a vital part of the solution. The Tracer Concierge® control system provides advanced optimization strategies to reduce energy use while improving occupant comfort, and is smart enough to let you know when service is needed to sustain optimal performance.

	Single-Zone Systems			Multiple-Zone Systems		
	Two-Speed	Single-Zone VAV	Changeover Hybrid	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	two-speed	variable-speed	variable-speed (cooling mode) constant-speed (heating mode)	variable-speed	variable-speed	variable-speed
heat in rooftop unit	none, staged, or heat pump	none, staged, modulating, or heat pump	staged or heat pump	modulating	none, staged, modulating, or heat pump	
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	



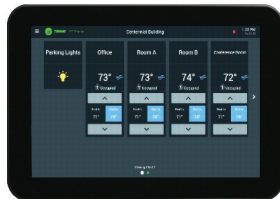
Packaged rooftop units (6 to 50 tons)

- Pre-engineered, factory-assembled cooling, heating, and ventilation in a single piece of equipment
- Supports single- or multiple-zone applications, with two-speed- or variable-speed fan control
- Efficiency tiers available to match project budget and energy use goals
- Ultra-high efficiency models available with eFlex™ variable-speed compressor and condenser fan control
- Integral ventilation control, including options for demand-controlled ventilation and air economizing—with fault detection and diagnostics
- Pre-programmed, factory-installed Symbio® 700 DDC controls with wired or Air-Fi® Wireless communications



VAV terminal units (200 to 8000 cfm)

- Trane flow ring provides unmatched airflow measurement accuracy and control
- Durable, heavy-gauge air valve cylinder
- Options for electric or hot-water heat, with staged, two-position or modulating control
- Pre-programmed, factory-commissioned Symbio® 210 DDC controls with wired or Air-Fi® Wireless communications
- Retrofit dampers available for upgrading existing systems



Tracer Concierge® control system

- Pre-packaged system control panel allows for easier and cost-effective installation
- Standard, pre-packaged applications with optimized system control sequences
- Intuitive, easy-to-use operator interface on a 10-inch touchscreen display
- Mobile apps allow access from anywhere you have internet service
- Wired or Air-Fi® Wireless communications



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
- Supports open communication protocols through conformance with ASHRAE® Standard 135 (BACnet®/ZigBee®)
- Up to four sensing functions in one zone sensor: temperature, humidity, occupancy, and CO₂
- 15-year lifetime batteries



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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ENV-SLB024-EN 06 June 2023

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