

# CoolSense® Sensible Cooling (DOAS) Terminal Units

High performance for modern buildings.



**CoolSense® Integrated Outdoor Air Systems** build on the benefits of traditional VAV systems. Designed for the specific requirements of modern buildings, CoolSense Systems combine a dedicated outdoor air system (DOAS) with chilled-water sensible-cooling CoolSense Terminal Units.

## CoolSense® Sensible Cooling (DOAS) Terminal Units help make sustainable buildings even better.

- **Reduce energy use.** The CoolSense system saves energy by decoupling the sensible and latent loads. Its innovative design allows for precise control over the cooling and dehumidification processes, ensuring optimal comfort while minimizing energy consumption.
- **Lower building emissions.** Choose from multiple heating choices: conventional hot water, or electric heating for projects that prioritize decarbonization.
- **Use less square footage.** Reduced unit height and ductwork size fit within narrow plenum spaces.
- **Leverage Trane's expertise.** Our pre-programmed unit control sequences and in-factory controls commissioning maximize CoolSense System benefits easily, every time.

CoolSense Systems are ideal for buildings that want localized comfort, energy efficiency, lower carbon emissions and superior acoustics.

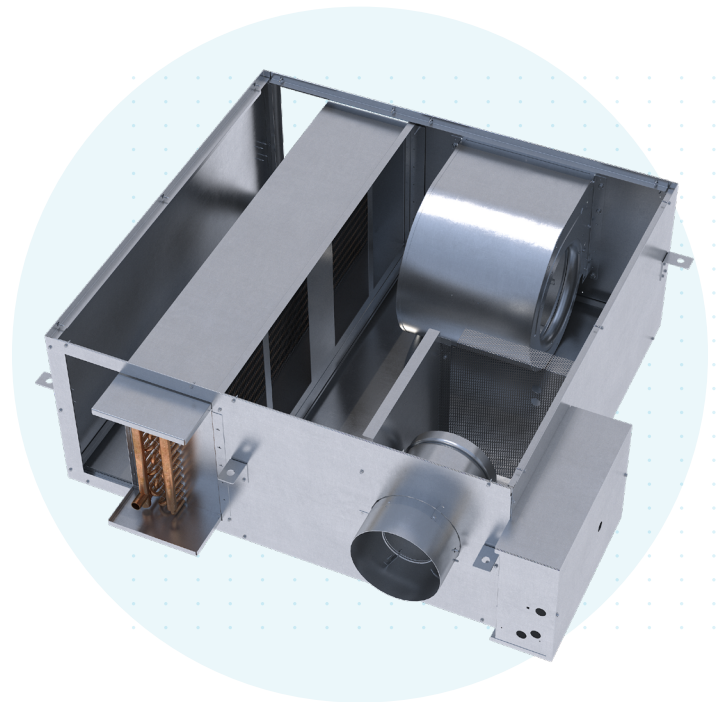
## Buildings need modern solutions

CoolSense® Sensible Cooling (DOAS) Terminal Units combine Trane expertise in equipment, controls and system optimization.

## Pre-programmed Control Sequences—optimize terminal unit performance

Trane programs the factory installed Symbio® 500 unit controller to optimize efficiency and comfort. Pre-programmed (yet customizable) sequences work in conjunction with Trane building automation systems to maximize VAV performance.

- Trim and Respond
- Ventilation optimization
- Duct pressure optimization... and more.



## Factory Controls Commissioning—save time during startup

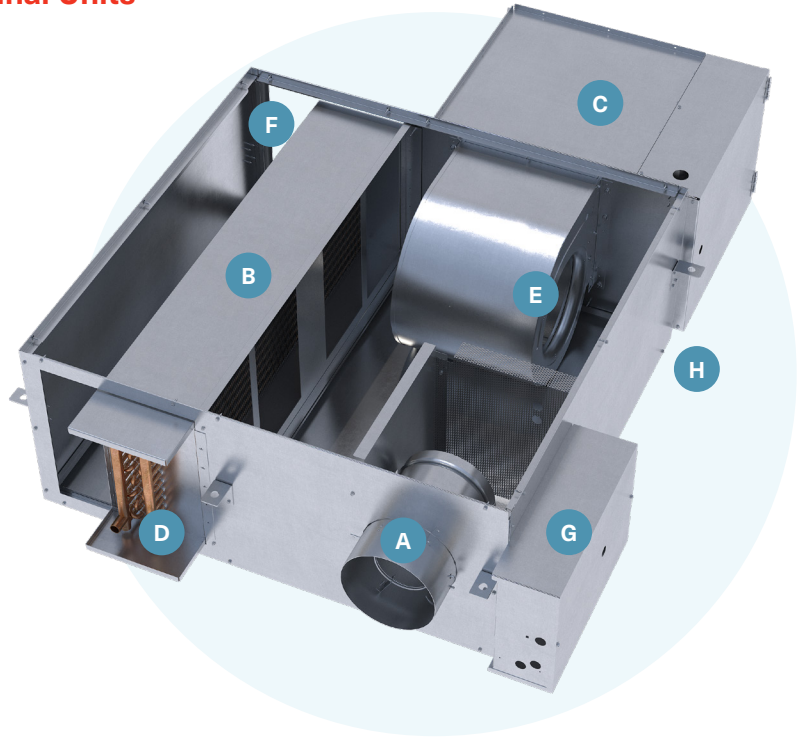
Factory commissioning ensures each unit communicates and responds correctly within the CoolSense VAV system, with minimal field work.

- Controller is installed and sensors are wired
- Unit configuration setup is complete
- Optimized controls sequences are loaded
- Airflow and temperature setpoints are loaded
- Air-Fi® Wireless receiver and controller are installed and factory addressed
- Duct temperature sensors are wired and mounted
- Water valve harness is wired
- Moisture sensor is installed and wired

# Designed Comfort, Efficiency and Sustainability

**CoolSense® Sensible Cooling (DOAS) Terminal Units combine Trane expertise in equipment, controls and system optimization.**

- A** Airflow-measuring damper measures and controls outside air and enables demand-controlled ventilation
- B** 4- or 6-row chilled water cooling coil
- C** Optional electric or hot water heaters (multiple choices)
- D** Integral drip pans on both sides for field flip-ability
- E** ECM with variable fan airflow control (ECV) reduces energy use and provides better part load acoustics
- F** Optional MERV-13 filter provides superior indoor air quality
- G** Factory installed Programmed and Commissioned Controls
- H** Reduced height fits in narrower plenum spaces



## Differentiated Features

- Factory mounted and preprogrammed controls
- Top and bottom access
- Construction quality and durability
- OEM nationwide support

Product Airflow Range		CFM														
		100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500
Fan Size	ECM Motor	DS02														
		Small														
		Medium														
		Large														

\*Sound Data compared based on AHRI 885 guidelines. All competitive units include factory attenuator. Trane Unit includes factory E-Suppressor



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](http://trane.com) or [tranetechnologies.com](http://tranetechnologies.com).

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