UniTrane Fan Coil
Single Zone VAV Solution

Terminal Transformed
UniTrane™ Fan Coil is an in-room heating and cooling unit. Now featuring standard EC M, advanced controls and the VelociTach™ motor control board, it offers a Single Zone VAV solution with plug and play convenience and up to 66% energy savings.

Fan Coil Flexibility
UniTrane Fan Coil heating and cooling units offer a wide range of features that allow you to configure device specifications to suit every building.

- Unit sizes from 200 cfm to 1200 cfm
- Chilled water, hot water and steam coils
- Single point power electric heat
- 1” throwaway, MERV 8 or MERV 13 filter
- Piping packages in a variety of configurations
- Touch safe control box

End Devices
A variety of end device options provide even more flexibility when configuring your system.

- Condensate Overflow Detection
- Low Temperature Detection (FreezeStat)
- Modulating and Two-Position Control Valves
- Economizer and Two-Position Fresh Air Damper Actuator

Raising the Bar
We used the implementation of leading-edge components with advanced capabilities as a springboard to develop a suite of features focused on what you need.

Streamlined Installation
Piping and controls are factory installed, configured and tested to your specifications. This makes job site installation a streamlined plug and play process, ensuring faster setup, increased reliability and optimal system performance.

Simplified Maintenance
The new VelociTach™ motor control board features an LED display and manual controls. This provides real time feedback without the inconvenience of needing a remote service tool.

Quiet Operation
Variable speed technology slowly adjusts the fan speed to meet a space’s changing needs. This soft ramp technology maintains low fan speed and moderated air flow, delivering system performance 5 - 8 decibels quieter than 3 speed models.

Continuous Comfort
Innovative discharge air temperature control algorithms mean a space reaches the desired set point faster and occupants enjoy a more stable environment.

Lighten Your Load
Exclusive Trane technology reduces the nameplate Full Load Amps (FLA) of standard size EC motors, eliminating the need for rewiring and bringing the benefits of Single Zone VAV systems to retrofit and renovation projects.
**Breathe Easier**

Indoor air quality is a crucial consideration in HVAC system design. Viruses, volatile toxins, molds and excess humidity may impact occupant health and structural integrity. UniTrane Fan Coil units were designed with IAQ conscious features that facilitate a healthier indoor environment.

<table>
<thead>
<tr>
<th>Design Element</th>
<th>IAQ Impact</th>
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</thead>
<tbody>
<tr>
<td>MERV 13 filter option (LEED®)</td>
<td>MERV 13 filters capture particles as small as 0.3–1.0 μm – this includes bacteria, smoke and dust – and can help earn a point toward a LEED certification.</td>
</tr>
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<td>Filter fit and accessibility</td>
<td>Securely fit filters eliminate leakage of unfiltered air. Easy filter access makes it more likely that filters will be changed on schedule.</td>
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<tr>
<td>Removable, sloped drain pan</td>
<td>Sloped drain pans eliminate water accumulation and associated mold growth. Removable drain pans are easily cleaned during routine maintenance.</td>
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<tr>
<td>Non-corrosive drain pain</td>
<td>Drain pan will not rust and minimizes the possibility of drain clogs, preventing water accumulation.</td>
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<tr>
<td>Closed cell insulation</td>
<td>Closed cell insulation is accessible, cleanable and non-moisture absorbing. This minimizes mold growth and eliminates the risk of fiberglass particles contaminating the air.</td>
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<tr>
<td>Fresh air damper</td>
<td>Introduces fresh air to enhance air quality, manage comfort and save energy.</td>
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<tr>
<td>Fan and coil accessibility</td>
<td>Easy access to the fan and coil facilitate regular cleaning.</td>
</tr>
<tr>
<td>Quick disconnect fan motor</td>
<td>Allows easy removal for service.</td>
</tr>
<tr>
<td>EC Motor</td>
<td>Variable speed ECM technology means units operate at low speeds for more time. This improves dehumidification, a key factor for IAQ and comfort.</td>
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**UniTrane Fan Coil Models**

- Vertical Concealed
- Vertical Cabinet
- Vertical Cabinet Slope Top
- Low Vertical Concealed
- Low Vertical Cabinet
- Vertical Recessed
- Horizontal Cabinet
- Horizontal Concealed
- Horizontal Recessed

**Building Information Modeling (BIM)**

Trane has the BIM objects to support your building design. Pre-populated physical and performance data unique to each product configuration save time, increase accuracy and simplify the construction process.

Visit Trane.com/TerminalTech for more information.
A New Take on Classic Technology
Trane® Unit Ventilator was carefully designed to perform in a demanding educational environment. The ideal solution for school renovation projects, our unit ventilators now feature standard ECM, advanced controls and the VelociTach™ motor control board. This gives you a factory commissioned, Single Zone VAV system with plug and play convenience and up to 66% energy savings.

Unit Ventilator Flexibility
Trane Unit Ventilator heating and cooling unit options let you configure device specifications to suit every building.

- Unit sizes from 750 cfm to 2000 cfm
- Chilled water, hot water, DX and steam coils
- Single point power electric heat
- 1” throwaway, MERV 8 or MERV 13 filter
- Piping packages in a variety of configurations
- Touch safe control box
- Face and bypass damper actuator
- Economizer cycle

End Devices
A variety of end device options provide even more flexibility when configuring your system.

- Condensate Overflow Detection
- Low Temperature Detection (FreezeStat)
- Modulating and Two-Position Control Valves
- Economizer and Two-Position Fresh Air Damper Actuator

Raising the Bar
We used the implementation of leading-edge components with advanced capabilities as a springboard to develop a suite of features focused on what you need.

Streamlined Installation
Piping and controls are factory installed, configured and tested to your specifications. This makes job site installation a streamlined plug and play process, ensuring faster setup, increased reliability and optimal system performance.

Simplified Maintenance
The new VelociTach™ motor control board features an LED display and manual controls. This provides real time feedback without the inconvenience of needing a remote service tool.

Quiet Operation
Variable speed technology slowly adjusts the fan speed to meet a space’s changing needs. This soft ramp technology maintains low fan speed and moderated air flow, delivering system performance 5 - 8 decibels quieter than 3 speed models.

Continuous Comfort
Innovative discharge air temperature control algorithms mean a space reaches the desired set point faster and occupants enjoy a more stable environment.

Lighten Your Load
Trane offers an exclusive option to reduce the nameplate Full Load Amps (FLA) on Vertical Unit Ventilators, eliminating the need for rewiring and bringing the benefits of Single Zone VAV systems to retrofit and renovation projects.
Breathe Easier
Indoor air quality is a crucial consideration for an educational environment. Viruses, volatile toxins, molds and excess humidity measurably impact occupant health and academic outcomes. Trane Unit Ventilator units were designed with IAQ conscious features that facilitate a healthier indoor environment.

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<tr>
<td>Non-corrosive drain pain</td>
<td>Drain pan will not rust and minimizes the possibility of drain clogs, preventing water accumulation.</td>
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<td>OA/RA damper</td>
<td>Damper introduces fresh air to enhance air quality, manage comfort and save energy.</td>
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<tr>
<td>Fan and coil accessibility</td>
<td>Easily accessible components facilitate routine cleaning.</td>
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<td>EC Motor</td>
<td>Variable speed ECM technology means units operate at low speeds for more time. This improves dehumidification, a key factor for IAQ and comfort.</td>
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Improved IAQ Impact

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<tr>
<td>Teacher absenteeism</td>
<td>▼</td>
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<tr>
<td>Teacher turnover</td>
<td>▼</td>
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<tr>
<td>Student attendance</td>
<td>▲</td>
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<tr>
<td>Student test scores</td>
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Acoustic Imperative
As many as 1/3 of all students do not hear as much as 33% of auditory classroom communication, and children under 16 lack the ability to correctly infer what they missed or misheard.1 Poor classroom acoustics pose a further challenge for special needs students, including those with autism, hearing impairment, learning disabilities or an alternate native language.2

Trane Unit Ventilators feature soft ramp technology, which eliminates the distracting noise associated with units turning on and off, and with abrupt changes in fan speed. And because Single Zone VAV systems are designed to run at the lowest speed necessary to meet the space load, they eliminate the noise of excessive air flow.


Improved Acoustics Impact

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<td>Auditory comprehension</td>
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<td>Academic performance</td>
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<td>Performance based funding</td>
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<tr>
<td>Social/behavioral outcomes</td>
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Trane Unit Ventilator Models

Improved IAQ Impact

Building Information Modeling (BIM)
Trane has the BIM objects to support your building design. Pre-populated physical and performance data unique to each product configuration save time, increase accuracy and simplify the construction process.

Visit Trane.com/TerminalTech for more information.

Ingersoll Rand (NYSE:IR) is a world leader in creating and sustaining safe, comfortable and efficient environments in commercial, residential and industrial markets. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Schlage®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings, transport and protect food and perishables, secure homes and commercial properties, and increase industrial productivity and efficiency. We are a $14 billion global business committed to sustainable business practices within our and for our customers. For more information, visit www.ingersollrand.com.
Terminal Transformed
Trane® Blower Coil is a factory commissioned, light duty air handler for chilled water or refrigeration systems with ducted air distribution. The new single phase blower coil units operate at 2.5” total external static pressure and now feature standard ECM, advanced controls and the VelociTach™ Motor Control Board. This offers a Single Zone VAV solution with plug and play convenience and up to 66% energy savings.

Blower Coil Flexibility
Trane Blower Coil heating and cooling units offer options that let you configure device specifications to suit every building.

• Unit from 1.0 to 7.5 tons cooling capacity
• Chilled water, hot water, steam, DX and heat pump coils
• Single point power electric heat
• 1” or 2” throwaway, MERV 8 or MERV 13 filter
• Angle filter box or combination angle filter/mixing box
• Top or bottom filter access
• Piping packages in a variety of configurations
• Touch safe control box

End Devices
A variety of end device options provide even more flexibility when configuring your system.

• Condensate Overflow Detection
• Low Temperature Detection (FreezeStat)
• Modulating and Two-Position Control Valves
• Economizer and Two-Position Fresh Air Damper Actuator

Raising the Bar
We used the implementation of leading-edge components with advanced capabilities as a springboard to develop a suite of features focused on what you need.

Streamlined Installation
Controls are factory installed, wired and configured to your specifications, and piping is manufactured, tested and shipped to your location. Also, the standard hinged doors with captive fasteners prevent falling open. These factors reduce time necessary for balancing, ensuring faster setup, increased reliability and optimal system performance, making job site installation a streamlined plug and play process.

Simplified Maintenance
The new VelociTach™ motor control board features an LED display and manual controls. This provides real time feedback without the inconvenience of needing a remote service tool.

Quiet Operation
Variable speed technology slowly adjusts the fan speed to meet a space’s changing needs. This soft ramp technology maintains low fan speed and moderated air flow, delivering system performance 5 - 8 decibels quieter than 3 speed models.

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### Design Element | IAQ Impact
--- | ---
MERV 13 filter option (LEED®) | MERV 13 filters capture particles as small as 0.3–1.0 μm – this includes bacteria, smoke and dust – and can help earn a point toward a LEED certification.
Filter fit and accessibility | An optional bottom (horizontal units) or top (vertical units) filter access box is available to improve accessibility. Easy filter access facilitates scheduled changes.
Removable, sloped drain pan | Sloped drain pans eliminate water accumulation and associated mold growth. Removable drain pains are easily cleaned during routine maintenance.
Non-corrosive drain pain | Drain pan will not rust and minimizes the possibility of drain clogs, preventing water accumulation.
Coil mounting | Coils are conveniently mounted above the drain pan on rails so they can slide in and out for easy cleaning.
EC Motor | Variable speed ECM technology means units operate at low speeds for more time. This improves dehumidification, a key factor for IAQ and comfort.

**Trane Blower Coil Models**

Direct Drive Fans

Direct drive fans are more reliable and lower maintenance than belt driven fans. They eliminate belt drive energy losses and create less vibration, resulting in a quieter, more efficient unit.

Building Information Modeling (BIM)

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