



# Trane Blower Coil

## Single Zone VAV Solution

### 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.

#### Continuous Comfort

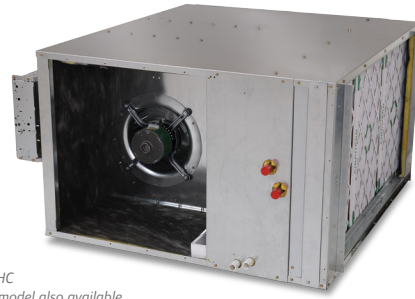
Innovative discharge air temperature control algorithms mean a space reaches the desired set point faster and occupants enjoy a more stable environment.

## Breathe Easier

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

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 pans are easily cleaned during routine maintenance.
Non-corrosive drain pan	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



Horizontal BCHC  
Vertical BCVC model also available

### 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)

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](http://Trane.com/TerminalTech) for more information.



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