



# *Trane Performance Climate Changer Air Handlers*

**Making a difference for staff and patients**



## **Unseen vitals of healthcare**

Clean air not only improves the comfort of healthcare workers, but also can aid patient recovery. Trane® Performance Climate Changer™ air handlers can be configured to help maintain high indoor air quality for healthcare environments and make a positive impact every day.

## **Challenges arise every day in healthcare — don't let an HVAC system be one of them**

An air handling system can make a large impact on a healthcare facility's air quality, energy efficiency and occupant comfort. And thanks to Trane® Performance Climate Changer™ air handlers, this impact can be a positive one. Our flexibly designed air handlers are available with numerous features to improve indoor air quality, the healthcare environment and patient outcomes.



## Improved indoor environments for more-comfortable working conditions

Trane® Performance Climate Changer™ air handlers are available with innovative features to remove airborne contaminants, reduce humidity and lower sound output, improving the indoor environment for all occupants.

## Reliability you can count on

Redundancy is never more critical than in the healthcare environment. Trane Stacked Direct-Drive Plenum (SDDP™) fan arrays contain multiple fans for redundancy to help keep HVAC systems working. With no belts requiring tension adjustment or changing, SDDP fan arrays are not only reliable, but also require less maintenance.

## Engineered for easier installations

Trane understands that new air handlers are often ordered to replace older units, which can mean fitting into tight spaces. That's why our air handlers are engineered with removable panels, and can have multiple shipping splits, making it easier to navigate through narrow spaces. When space restrictions are critical, with our FlexFit option, units can be dry fit in the factory to ensure proper fit. The unit's panels and components are then labeled and photographed before it's disassembled, packaged and delivered.

## Trane Catalytic Air Cleaning System (TCACS)

Numerous filtration options are available with Performance air handlers, but TCACS offers an additional level of protection to help manage the biological and chemical contaminants that can be recirculated through the building. Hospitals in particular can benefit from this exclusive Trane solution that can help reduce the chances of disease transmission.

TCACS combines three technologies — MERV 13 high-efficiency filtration, UV-C lights and photo-catalytic oxidation (PCO) — to help control a broad range of airborne contaminants and provide comprehensive air cleaning. A titanium dioxide (TiO<sub>2</sub>) mesh catalyst is irradiated by UV-C lights, which creates hydroxyl radicals that reduce organic compounds (viruses, mold, bacteria, VOCs) passing through the air handler.

## Trane Cool Dry Quiet (CDQ™) desiccant dehumidification wheels

For applications where humidity levels are critical — such as surgical suites — CDQ technology can improve dehumidification levels 20 to 300 percent by delivering dew-point temperatures 5°F to 10°F lower than traditional cooling coil systems. CDQ technology breaks



the dew-point barrier, supplying a dew point that is lower than the refrigerant or chilled water temperature without having to add additional cooling devices to achieve the same results. Equally important, a CDQ system can reduce energy consumption by up to 60 percent compared to a cooling coil with reheat. CDQ technology is just one of the humidity management options available from Trane.

## Patented Traq™ airflow dampers

AMCA 611-certified Traq airflow monitoring and measuring dampers can deliver improvements in both air quality and energy efficiency, ensuring appropriate levels of outside air to help maintain good indoor air quality and meet ASHRAE 62.1 standard, while avoiding the excessive energy consumption associated with over-ventilation — and the added expense of an outdoor air unit.

## Multiple sound-reduction options

- Stacked Direct-Drive Plenum (SDDP™) fan arrays can produce less noise than one large fan — and direct-drive technology is quieter than belt-driven options.
- Discharge plenums are specifically engineered to reduce air turbulence and improve sound attenuation and lower static pressure requirements, leading to better efficiency.
- Silencers are available on the fan inlet and discharge to reduce noise more efficiently than duct-mounted silencers.

## Trane: Making buildings better for life

Performance Climate Changer air handlers offer exclusive benefits and legendary Trane reliability for unbeatable performance and value. Expect performance, innovation, commitment and expert knowledge from the leader in the HVAC industry.



For more information, visit  
[Trane.com/PerformanceAHU](http://Trane.com/PerformanceAHU)  
or contact your Trane account manager.