



## Facts about Trane Performance Climate Changer Air Handlers

<p><b>What are Trane Performance Climate Changer air handlers?</b></p>	<p>Trane<sup>®</sup> Performance Climate Changer<sup>™</sup> air handlers are designed to deliver greater energy efficiency, indoor air quality and quiet performance, along with the ability for full integration into a building management system. The air handlers are available in indoor and outdoor units in a variety of sizes and configurations to provide the features and options needed to meet exact project budgets, specifications and timelines.</p> <p>Performance Climate Changer air handlers are designed to incorporate component flexibility, integrated control options and proven performance to provide the optimal system to quietly heat and cool buildings with cleaner, humidity-controlled air.</p>
<p><b>Features</b></p>	<p><b>Fan Arrays</b> Trane Stacked Direct-Drive Plenum (SDDP<sup>™</sup>) fan arrays contain multiple fans for full redundancy to help keep heating, ventilation and air conditioning systems working, offering numerous advantages over traditional fan types. Additionally, the beltless design drives energy efficiency and provides maintenance advantages, since there are no belts to adjust or replace.</p> <p><b>Superior Construction</b> Available quality casing features double-wall, foam-injected panels up to 4 inches thick, minimizing air leakage and reducing energy consumption by up to 30 percent. Removable panels and superior construction also improve serviceability, providing easy access for cleaning and maintenance.</p> <p><b>Energy Management</b> Options such as AHRI 1060-certified energy wheels, a Dual Exhaust Energy Recovery (DEER) system and air-to-plate heat exchangers provide advanced energy recovery capability. Available Traq<sup>™</sup> dampers enable a more efficient demand control ventilation strategy.</p> <p><b>Humidity-controlling Technology</b> Trane Cool Dry Quiet (CDQ<sup>™</sup>) desiccant dehumidification wheels help manage building humidity better by delivering dew-point temperatures 5 to 10 degrees F lower than traditional coil-only cooling systems. Equally important, a CDQ system can reduce energy consumption by up to 60 percent compared to a cooling coil with reheat.</p> <p><b>Improved Indoor Air Quality</b> The available Trane Catalytic Air Cleaning System (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.</p>



<b>Benefits</b>	<p>Trane Performance Climate Changer air handlers provide significant energy efficiencies and indoor air quality benefits while delivering design flexibility and superior performance and reliability.</p> <p>The Performance Climate Changer air handlers offer:</p> <ul style="list-style-type: none"><li>• Reduced air leakage to deliver up to 30 percent lower energy consumption.</li><li>• Better, more efficient building humidity management than coil-only cooling systems.</li><li>• Technology that filters and reduces airborne contaminants.</li><li>• Fan blade and wheel configurations and other options that reduce sound levels.</li><li>• Beltless fan design, removable panels and superior construction to deliver ease of maintenance.</li></ul>
<b>Key Markets</b>	<p>Trane Performance Climate Changer air handlers are ideal for a large variety of building types and sizes, including those used by educational institutions, businesses, hospitals, industrial facilities and research entities.</p>

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