



Custom Climate Changer™ air handlers

When the requirement goes beyond standard



Turn to Trane when you need a custom air-handling solution



Many Trane custom units are shipped completely assembled, ready to rig into position with one single-point power connection.

While most of your HVAC challenges can be met with our highly flexible cataloged air handlers, you may encounter an application or physical barrier that requires a solution that goes beyond cataloged capabilities. Trane Custom Climate Changer™ air handlers offer custom flexibility, components, materials and performance to meet your unique specifications, schedule and budget. Whether your specific need is for an ultra-quiet unit, specialized ventilation monitoring capabilities, a unique footprint, or a custom casing that can be assembled on-site, Trane will work with you to find the optimal solution.

Trane expertise

Air handlers are critical components in the complex building systems for commercial, industrial, institutional and process applications.

We engineer and manufacture custom air handlers that meet exact standards in air quality, reliability, noise, environmental responsibility and ease of installation and maintenance.

Trane has a reputation for engineering optimized solutions for complex needs. Whether designing for hospitals, universities or government facilities, our sales, application, design and manufacturing engineers have extensive experience to help you design and deliver the greatest value for your building. For a reliable, energy efficient, environmentally responsible system, factory-tested and documented to perform predictably to critical customer specifications, turn to Trane.

Early involvement is key

When you have a critical application, early involvement, trust and communication are key to a successful custom air-handling project. Involve your local Trane sales team early. Our custom air handlers have been faithfully serving customers for over forty years. Building on that experience and the expertise of your local sales team, we will work with you to develop the optimal solution for your comfort and process needs.

Customized, predictable performance

Your Trane sales team can make recommendations on component selection based on pre-tested performance data gathered in our labs, helping you to make a more informed decision when designing your HVAC system. Though not limited to pre-tested Trane



components, validated performance is available for many options, including:

- Trane coils with high-efficient fin design to optimize coil to the nearest fin-per-foot
- Coils with the best moisture carryover limits in the industry
- Fans, including stacked, direct-drive plenum (SDDP™) fans for fan array applications
- Traq™ airflow monitoring stations
- Energy recovery wheels
- Unit sound data based on ARI 260 tests
- Cool Dry Quiet (CDQ™) desiccant dehumidification
 - breaks dew point barrier using standard equipment
 - uses less energy than comparable systems
- Trane catalytic air cleaning system (TCACS)

With Trane, there are no surprises. Years of research data help us accurately predict specific unit performance for coils, casing, air leakage, thermal performance, acoustics and energy recovery compliance.

Trane custom application and design engineers work directly with you and your Trane sales team to create a comfortable and efficient indoor environment for new and existing buildings.

In addition to testing our designs in the laboratory, we test our air handlers during production. From running fans to pressure testing our coils to operating the controls, we provide performance data in which you can be confident. If your requirements extend to post-production performance testing, we can coordinate that as well.

In control

Factory-engineered control packages provide added assurance that your system is operating efficiently. Whether your need is for factory-mounted end devices, end devices wired to another manufacturer's unit controller, or a complete Trane Integrated Comfort™ system (ICS), Trane puts you in control.

On the fast track

Your Trane sales team will work with you at each stage of the process, from planning to installation and beyond. Our role is to achieve optimal solutions by understanding not only the details of your air-handling specification but your overall project goals, construction schedule and budget constraints. Recognizing a need for speed on many custom projects, we use knowledge gained from our extensive experience in the custom HVAC market offering timely and cost-effective customization.



Fan arrays, dehumidification options, energy recovery wheels, air cleaning options and airflow monitoring systems help to fine tune your performance.

Trane will be there every step of the way



Services includes:

- Installation/start-up
- Extended warranties
- Service/parts
- Financing
- Performance agreements

A lasting relationship

By understanding your business and its unique requirements, we can help design the optimal solution for your project and consistently deliver on our promises. Our relationship extends beyond the sale of our products. Our support also includes:

- Service technicians who can assist with installation and start-up, locally and around the world
- Trane extended warranties
- Factory-trained and certified technicians to service both Trane and non-Trane systems
- Parts outlets offering OEM and replacement parts for use in all brands of HVAC equipment
- Financing programs, including lease purchases and prepayment options with rebates
- Trane performance contracting offers a customized solution to address facility infrastructure concerns and improve operational efficiencies

Industry leadership

Trane is an industry pioneer. Many of the technical concepts used in the industry today were developed by Trane. This foundation, coupled with the substantial investments Trane has made in research, development and engineering, accounts for the Trane tradition and mark of excellence.

Shared knowledge

Trane sales engineers are the most highly trained in the HVAC industry. Graduate-level engineers have completed an intensive six-month post-graduate training program encompassing HVAC systems design and applications. Trane custom air specialists receive additional, focused training in custom air-handling applications.

Trane custom application and design engineers work directly with you and your Trane sales team to help you create a safe, comfortable and efficient indoor environment for new and existing buildings. It's like having your own custom design team.

Broad support

Trane offers a broad range of support and service. With a global distribution network, more than 2,000 factory-trained and certified technicians to service both Trane and non-Trane systems, and 450 parts outlets, we can help you maintain your equipment to protect your investment and system performance.

To learn more about Trane Custom Climate Changer™ air handlers or our other products and services, contact your local Trane sales engineer or visit www.trane.com.



Trane optimizes the performance of homes and buildings around the world. A business of Ingersoll Rand, the leader in creating and sustaining safe, comfortable and energy efficient environments, Trane offers a broad portfolio of advanced controls and HVAC systems, comprehensive building services, and parts. For more information, visit www.Trane.com.