Packaged Climate Changer™
air handler

Solid air handler design in a cost-effective packaged unit
Quality and flexibility in a pre-packaged unit

The Packaged Climate Changer air handler takes the guesswork out of the mechanical design by offering a broad approach in packaged air handling systems.

Cataloged options

The complex task of incorporating custom options into a cataloged air handler is streamlined with the Packaged Climate Changer™ air handler. By including custom features into each selectable model, Trane creates a cost-efficient unit while allowing for job-specific needs. Long lead times and the expense associated with custom units are a thing of the past with Trane modular design and numerous component options.

Cataloged options include:
- A wide variety of fan configurations allow for increased flexibility and easier installation on the jobsite, reducing cost for the contractor by eliminating expensive ductwork (elbows)
- MERV 13 filters for a higher efficiency filtration with the existing filter modules
- Single-point power connection (even for units with factory mounted electric heat)
- A face-and-bypass section to divert airflow around the auxiliary coil for better preheat control
- Factory-mounted and -wired disconnect with internal motor overload protection on motors less than one horsepower (hp)
- Configurable fan types to support constant volume and variable volume systems
- Motors 5 hp and larger are NEMA premium efficient
- A continually growing list of enhancement options such as: single point power, blow-through electric heat, high-efficiency filter sections and a mixing section with low leak dampers

Reliable, flexible, long-lasting, easy to maintain

Component flexibility

Trane offers a wide range of air flow rates allowing engineers to design duct work according to the appropriate airflow needs of each space. An optional mixing section with low-leak dampers delivers ventilation directly to the unit. This mixing section can provide 100% economizer operation to improve energy efficiency.
Variable frequency drives accommodate a range of demands in addition to varying system conditions. By reducing the fan rotational speed, the air volume and static pressure are lowered or raised to meet the varying demands of the space. This provides a reduction in energy usage throughout the equipment life, thereby lowering the lifecycle cost of the entire system.

Combining the fan, coil and filter packaged in one section eliminates the need to purchase additional sections.

**Factory-packaged controls**

Air handlers with factory-packaged controls simplify jobsite coordination, save installation time, reduce start-up risk, provide a longer equipment life span and reduce expenses related to energy management.

Factory-packaged controls optimize equipment performance while averaging the electrical consumption and overall cost of the entire mechanical system. The synchronized system makes intelligent decisions on how best to provide comfort, quality air and energy management to the building. End devices can be wired to terminal strips for generic field interface to DDC controllers.

Full integration into Trane Integrated Comfort™ Solutions (ICS) provides all the benefits of factory installed controls and links the air handler to the Tracer Summit™ building management system, ensuring maximum operating efficiency for each building sub-system.

As part of ICS, control packages provide industry standard, open protocols with BACnet® and LonTalk® allowing full two-way communications to tie into existing equipment and systems.

The Tracer™ AH540 air handler LonTalk controller is wired, configured, tested and mounted in the factory, allowing for a faster start-up on the job site.

**Building optimization**

All Trane air handlers are designed for energy-efficiency. Trane offers energy recovery components and energy-saving systems to minimize energy consumption. Trane EarthWise™ system incorporates low flow rate and low temperature on both the waterside and airside, along with high-efficiency equipment like the Packaged Climate Changer air handler, to deliver reduced first cost, reduced operating costs, improved acoustical performance, reduced equipment size and more occupant space.

Recognized for quality, innovative technology, and unprecedented service solutions, Trane sets the global standard for mechanical heating, ventilation and air conditioning systems.
Equipment certification

Your goal is to provide the highest quality design in building construction. Our goal is to provide the quality mechanical equipment to help you do so.

Equipment certification informs the system designer and building owner that the equipment being considered will perform as the manufacturer states. The Packaged Climate Changer air handler certifications include:

- AHRI Standard 430 evaluates the entire air handler on the basis of airflow, static pressure, fan speed and brake horsepower
- AHRI Standard 410 certifies that the heating and cooling coils deliver to the published performance
- AHRI Standard 260 provides the engineer with more accurate ducted sound power levels to enable them to design a quieter, more cost-effective system
- cULus for electrical safety
- LonMARK® standard identifies that the equipment is designed to integrate with other LonMARK-certified systems

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