



# Performance Climate Changer<sup>®</sup> with Factory-Mounted Symbio<sup>®</sup> Controls

Optimize your HVAC system from Day One

## We believe a high-performance air handler ought to be simple to install.

What are you looking for in an air handler? Performance, obviously. You need it to deliver on the operational specifications—temperature, humidity, sound output, air cleaning and energy efficiency—required for your applications.

But you also want to reduce installation time and the potential for costly errors. The air handler should connect to a building automation system (BAS) without headaches or extensive troubleshooting, and it should be flexible enough to expand or modify the system in the future, as your business needs evolve.

Lastly, it should be backed by experts who will advise you from system design through everyday operations.

That's what you get with Trane's Performance Climate Changer® semi-custom air handlers with factory-installed Symbio® controls.

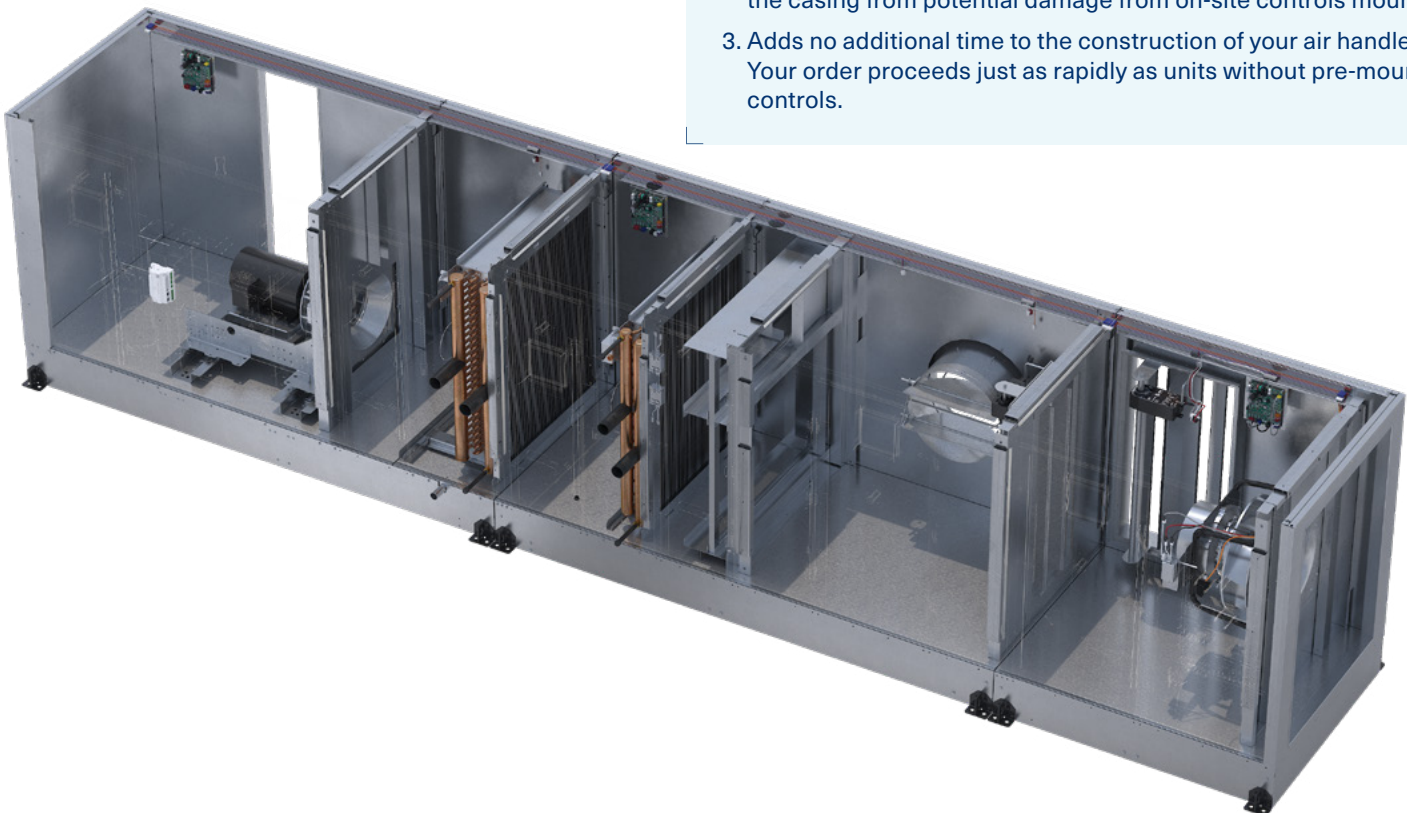
Designed for Trane's high-performance HVAC equipment, tech-savvy field technicians, and demanding facility managers, the Symbio 500 controller is factory programmed and wired, delivering secure connectivity suited to your needs, flexibility to meet present and future challenges and streamlined serviceability options tailored to the user.

Symbio's flexibility means virtually any building can use your Performance Climate Changer to achieve better indoor air quality, with greater energy efficiency from the first day of operation.



### How Factory-Mounted Symbio Controls Makes Your Life Easier

1. Because the controller is mounted and tested in a controlled environment to a high-quality standard, you can be assured of top performance.
2. Ensures structural integrity and unit performance by protecting the casing from potential damage from on-site controls mounting.
3. Adds no additional time to the construction of your air handler. Your order proceeds just as rapidly as units without pre-mounted controls.

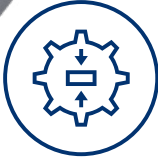




### Less wiring means fewer problems.

Wiring is susceptible to nicks and cuts. Trane engineers have reduced the wiring inside the Performance Climate Changer by up to 90% from the previous version. Equipment-to-controls connectivity is simplified down to two feeds: power and communication.

The built-in Symbio controller has a distributed architecture that allows for end devices to be localized to an Air Handling Unit (AHU) functional section and connected via pre-installed wiring harnesses. No point-to-point wiring means fewer failure points to diagnose. And with controls mounted at the factory, there's no need for an installer to drill through the AHU's casing, reducing the risk of air leaks. Plus, it's simple to add end devices separate from the AHU, giving you system flexibility as operational needs evolve.



### Streamline commissioning with factory-programmed controls.

The high-efficiency Performance Climate Changer requires high-level expertise in controls programming and system integration to gain its full performance potential. That's why we program the controls at the factory, ensuring that Trane's engineered, tested and proven applications deliver the specified system performance. Our controls programming reflects the collective, embedded knowledge of Trane's many system experts.

Having controls installed at the factory is also vastly quicker than field-mounting a controller, reducing the time spent on on-site controls integration by up to 80%.\*



### Secure, open, easy connectivity.

Factory-mounting the Symbio 500 controller ensures that your Performance Climate Changer integrates into your system easily—without creating a security risk. Symbio 500 seamlessly connects with Trane Building Automation and Management Systems, including Tracer SC+ and Tracer Synchrony or Tracer Ensemble.

Built on open standard BACnet protocols, Symbio 500 integrates with a variety of Trane and non-Trane equipment and building automation systems (BAS). Additionally, Symbio 500 supports a variety of network topologies and mediums. Choose wireless BACnet/Zigbee (Trane Air-Fi) for the greatest flexibility and reliability or MS/TP for an economical installation. BACnet/IP is also available when needed to support high bandwidth or remote connectivity needs.



### Complete with service tools.

Check on equipment in the room or on the go. The BAS Operator app can be used when the controller is connected to Tracer SC+. Trane Connect allows you to connect remotely to the equipment using a web browser (must be IP connected). The new non-proprietary Symbio User Interface, is web-based and is simply accessed through the controller's service port. This free, non-credentialed tool is tailored to the needs of third party integrators and commissioning agents, allowing the user to view points, sets schedules and configure communication settings.

No matter who is interacting with the equipment, we have a service tool available to do the job effectively, whether accessing remote or in person.

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Trane has more than 100 years of experience helping building owners around the world achieve better financial and operational performance. From helping you meet your decarbonization goals to advising you on the best solutions for changing regulatory requirements, Trane can help you optimize your building today and into the future.

\* Trane engineering calculation based on potential on-site labors hours.

Visit [trane.com/performance-air-handlers](https://trane.com/performance-air-handlers) to learn more,  
or contact your Trane Account Manager to begin configuring  
your custom air handler in **Trane® Select Assist™**.



**TRANE**

Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit [trane.com](https://trane.com) or [tranetechnologies.com](https://tranetechnologies.com).

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