



Trane Water-Cooled Self-Contained Units Next-Gen SWUD

Balance cost and efficiency with a high-performing self-contained system.

Now with a smaller footprint and environmentally friendly refrigerant.

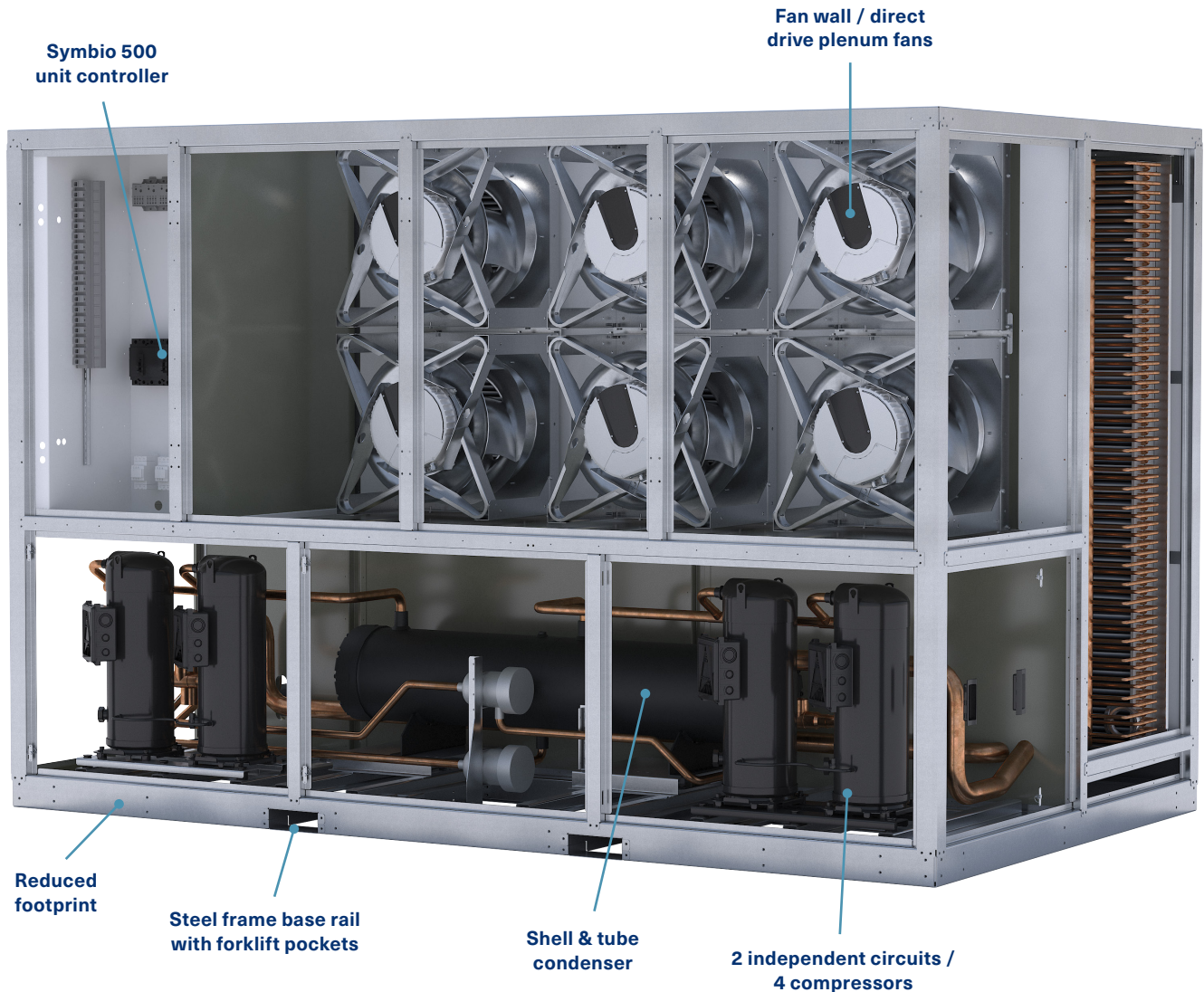
As the world changes, customers, governments and even the public demand more from an HVAC system. Trane has responded by redesigning our self-contained, water-cooled unitary device (SWUD) to not only meet evolving regulations, but also increase application flexibility while reducing first costs and operating expenses.

A more cost-effective option for smaller commercial buildings and schools

Our competitively priced single-piece cabinet unit is ideal for new low- to mid-rise office buildings and school facilities. Where you may have opted to install a large, packaged rooftop unit or chiller with air handler, now you can get a 20-110-ton self-contained system that fits into compact indoor spaces. You'll save on first costs as well as energy expenses in the long term.

Next-generation refrigerants for safety and compliance

Trane's new energy-efficient SWUDs use next-generation, low-GWP R-454B refrigerant, making them compliant with regulations mandating environmentally friendly refrigerants in all new packaged units by January 1, 2025. The factory-installed leak detection system offers increased safety and peace of mind.



Symbio 500 unit controller

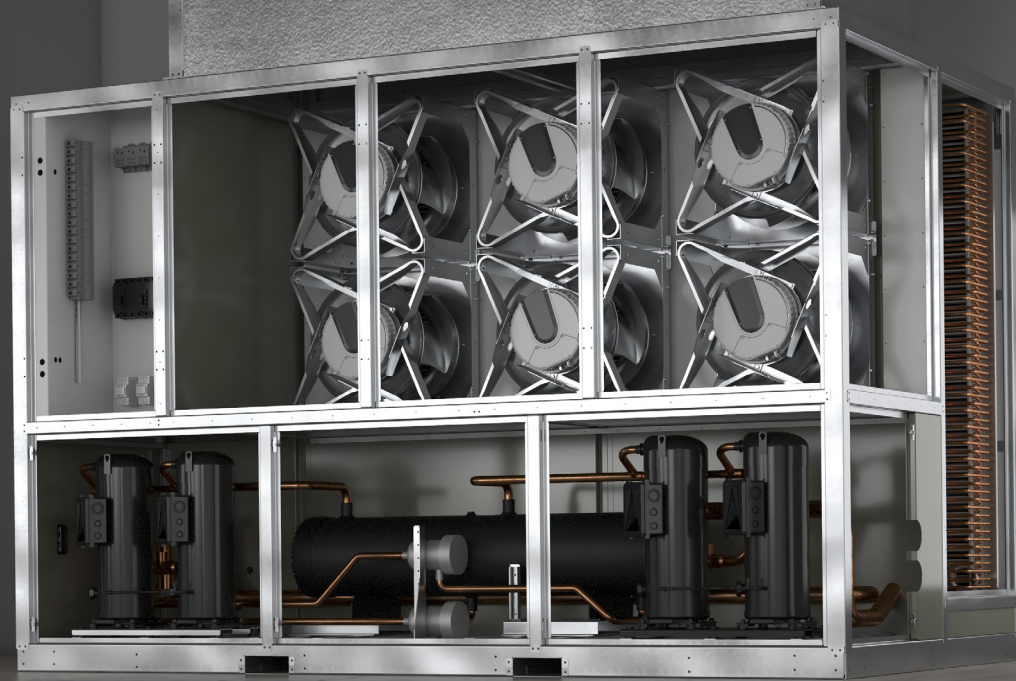
Fan wall / direct drive plenum fans

Reduced footprint

Steel frame base rail with forklift pockets

Shell & tube condenser

2 independent circuits / 4 compressors



We understand that indoor space is limited

If you're like most building owners, you don't want to allot more square footage than necessary to your HVAC system. That's why we redesigned our SWUD to occupy a footprint that's up to 28% smaller than our legacy product. These water-cooled systems are installed in an indoor mechanical room and utilize a cooling tower which is typically placed on the roof. A single cooling tower can serve multiple self-contained units, and because our SWUDs include duct work and VAV boxes, they can be used in conjunction with a heater if desired.

Energy efficiency across a lifetime of service

Our redesigned SWUD delivers improved full-load efficiency on average 30% higher than our legacy units. Features such as double-wall foam-insulated panel construction, ECM direct drive plenum fans with integrated VFD, two sets of tandem compressors, dual-circuit interlacing and factory-installed Symbio® 500 controls enable you to save on energy costs immediately and well into the future. For even greater efficiency, you can add an optional water-side economizer—a popular feature with many building owners.

Quiet operation that delivers improved indoor air quality

Built with MERV 8 or 13 filters, 1" foam-injected double-wall panels, standard ECM fans and optional stainless-steel drain pan, our SWUD delivers high indoor air quality while operating unobtrusively in the background.

Flexible installation and easier servicing

Our redesigned SWUD gives you left hand/right hand options for water, as well as optional factory supplied plenums. To improve durability, we've given our units a steel frame and optional anticorrosive protection evaporator. Plus, its easy-to-clean shell-and-tube condenser means it won't clog. For the quickest shut-off, you'll have the ability to disconnect operation remotely.

Retrofitting? Not a problem

What if you need a SWUD for an existing building? In addition to our one-piece units, we also offer a modular self-contained solution where key system components are produced in cassettes designed to fit through standard commercial doorways, hallways and freight elevators.

Key Features

- Water-cooled air conditioner, typically installed one per floor in low- to mid-rise office spaces
- Up to 28% smaller footprint than our legacy units
- Increased energy efficiency levels vs legacy offerings
- Uses next-generation, low-GWP R-454B refrigerant
- Includes a factory-installed leak detection system
- Available in 20–110-ton capacities
- Paired with a cooling tower that can serve multiple SWUD units
- Installed with ductwork and VAV boxes, which could be used for heating as well
- Fan wall with ECM fans and 1" foam-injected double-wall panel construction for quiet operation
- Built with shell-and-tube condensers
- Includes double-action hinged doors for easy access
- Can be integrated into a Tracer SC+ BAS using its factory installed Symbio® 500 controller
- Also available in a modular design with components that can fit through an existing building's doorways and be assembled in place

To learn more about how a Trane SWUD can help you save on first costs and across its lifetime, visit trane.com or contact your Trane Account Manager.



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 or tranetechnologies.com.

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PKG-SLB031-EN
12/06/2023