



CFAS one-way cassette fan coil

Optimum comfort in an attractive, easy to install package



Unobtrusive high performance

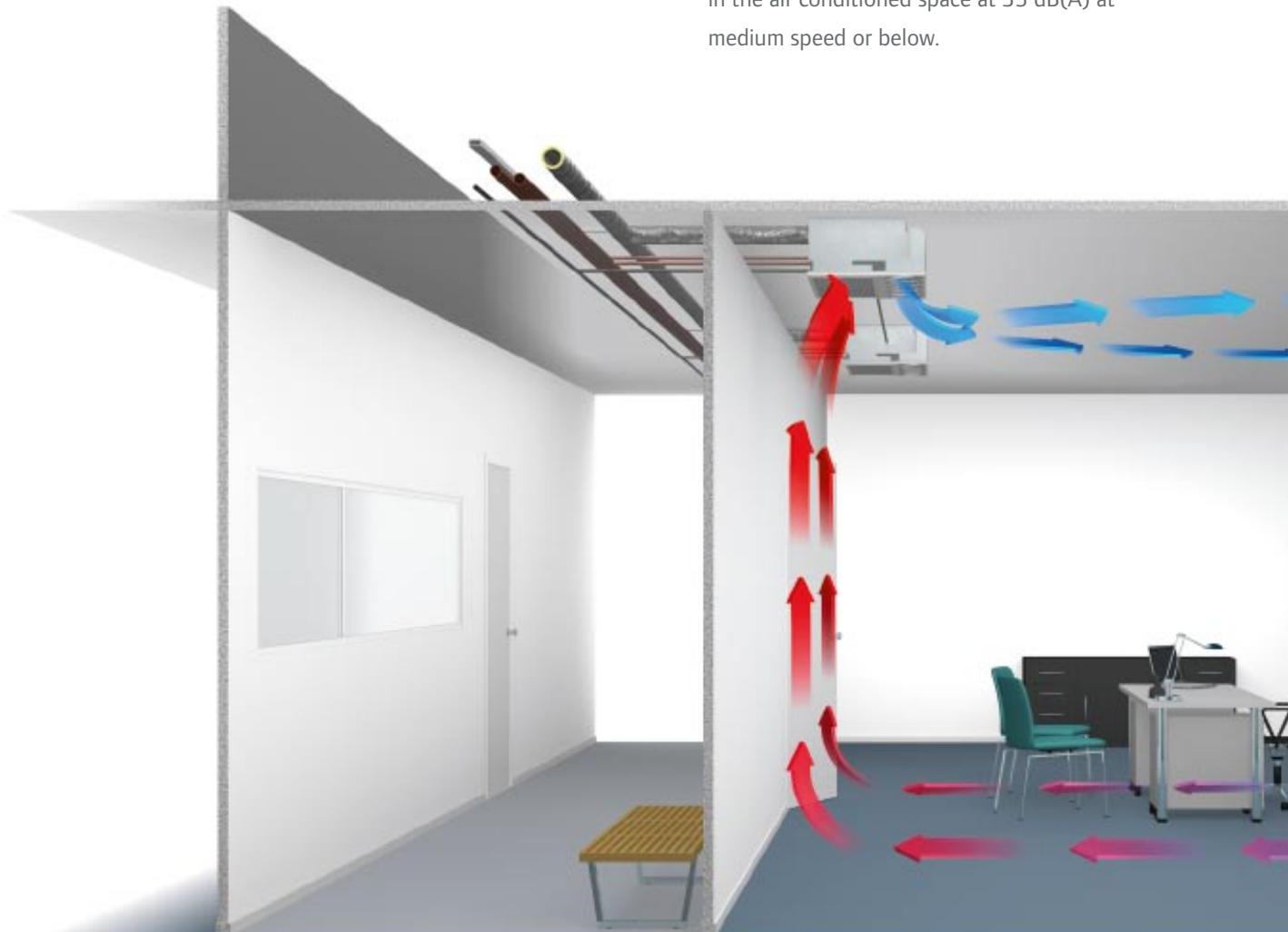
Designed for mounting in suspended false ceilings at the edge of the room in offices from 12 to 40 m², the units in the Trane CFAS one-way cassette fan coil range feature a purpose designed, self-contained return and supply air plenum.

The plenum fascia is sited flush with the ceiling tiles, with a return air louvered grill that takes the air from the bottom and air damper diffusers which blow supply air parallel to the ceiling and evenly throughout the room.

The result is the Coanda effect, ensuring that air is blown smoothly, at the right velocity and throw distance, through the air conditioned space, at any fan speed.

Thanks to specifically designed damper diameters and orifices perfectly sized for the air volume of each unit, plus a linear louvered return air grill, the risk of air being recycled directly from the supply to the return is completely eliminated.

The Trane CFAS one-way cassette is available in sizes 16, 26 and 36 with unit capacities ranging from 1.6 kW to 3.6 kW at medium speed. It offers almost silent sound levels in the air conditioned space at 35 dB(A) at medium speed or below.



Improved appearance

Installed by the inner wall of the room and blowing air in the direction of the outside window, the Trane CFAS one-way cassette provides an unobtrusive appearance. Unlike other units that employ perforated sheet metal grills, the Trane CFAS one-way cassette's linear louvered return air grill designed with a 45° pitch angle, ensures that occupants will never be able to see the unit's filter.

Fast, easy installation with a cost advantage

The Trane CFAS one-way cassette is designed for installation in office or healthcare buildings in which individual rooms are grouped around a building's perimeter surrounding a corridor or a common circulation zone – and where the water and electrical supplies are laid out in the false ceiling. The unit is installed in the false ceiling and the plenum inserted within the ceiling tiles.

The unit can be integrated into most standard false ceiling types and comes ready equipped with hanging brackets. Installation – including connecting water, electricity, the ducting in of fresh air and, where necessary piping for condensate drainage – is as fast and simple as for a 4-way cassette and offers the same benefits in terms of ambient and sound comfort – but at even lower installation cost.



Design optimized to deliver added value

Combining optimum HVAC performance and unobtrusive good looks in the office environment with fast, easy installation, the Trane model CFAS one-way cassette units are tailor-made to ensure an unbeatable mix of comfort, low initial cost and ongoing value for money.



- 1 A 45° pitch angle louvered return air grill conceals the filter from sight, so ceilings look better when the filter needs cleaning. It provides a 100% opening, compared with 60% with perforated grills, leaving the full filter face area free to collect dust, thus extending filter maintenance intervals.
- 2 ø170 mm discharge air dampers optimize airflow throw, sound emission at each fan speed, and appearance compared to designs with multiple small or bigger diameters.
- 3 A 2-row additional heating coil delivers more heating capacity with less hot water, allowing higher heat pump/chiller efficiency.



- ④ A raised version of the unit, with drain outlet height increased from 100 to 160 mm, can avoid the need for a condensate pump, further increasing operational cost-effectiveness.
- ⑤ A unique optional infrared remote controller, with receiver inserted into a ceiling tile alongside the unit, allows remote control of fan speed, on/off, and cooling or heating mode.

- ⑥ Fast, simple to install and commission, low cost remote or wired group control option allows a single user interface to control up to 20 units connected together via an RS485 serial link.



Infrared remote controller RT03



The single source for all your building ne

When you specify a Trane water terminal, you don't just get a top-class product, you also get the expertise to optimize your whole HVAC system and keep your total building operating cost to a minimum while maintaining the utmost level of comfort.

Heating, ventilating and air conditioning systems

Depending on your building or process, you may need a chiller, a rooftop, an air handling unit or other terminal units. And here Trane can help as well. As one of the world's leading HVAC equipment manufacturers we can provide the exact solution. Moreover, Trane equipment comes with factory-mounted controllers for integration within a Trane Building Management System.

Building Management Systems

Trane BMS provides supervision and control over your entire facility. It uses the latest web technologies to offer you access to your system from the nearest available network connection. Standard communication protocol adoption allows for seamless controller integration leading to an intuitive, easy-to-manage system.

Trane BMS helps you meet your building's temperature, humidity, ventilation and energy management needs, no matter how challenging. High quality, easy-to-use, integrated and reliable controls are the key to maximizing efficiency and to prolonging the life of your building while keeping full control over operating costs.

*Peace of mind from
total accountability*



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Your total building solutions

At Trane, we are committed to providing full service solutions that are efficient and reliable, just like our equipment.

Elite Start™

Trane equipment is commissioned by technically competent factory trained technicians. Trane commissioning confirms that the system has been not only accurately installed, but also configured and fine-tuned to operate according to your requirements.

Operate and Maintain

To keep your building operating at top efficiency, Trane Select Contracts and Trane Controls Services provide total building service solutions. Trane offers technical expertise to

maintain or repair your system and the spare parts that go with it. Our full range of HVAC spare parts, both Trane-specific and generic, coupled with our advanced logistics network ensures a quick and reliable service.

The result? Even in the rare event of equipment failure, downtime is kept to an absolute minimum.

Upgrade and Improve

To help you conserve energy while maximizing cost saving in your building systems and operations, Trane Care Services offer a wide range of upgrade products to answer your needs in terms of reliability, energy conservation, and respect of the environment.



Make certain your HVAC systems are fully optimized and integrated – with our expert services.



How do you choose?

There are hundreds of possible system designs and configurations impacting system efficiency levels. How do you possibly narrow the choices and definitively determine the right HVAC system design for your needs? Amazingly, it's quite easy... with Trane's help.

Our System Analyzer™ helps estimate building loads and performs preliminary energy and cost analyses of virtually any building, system, and equipment combination. For LEED certification, TRACE™ 700 (Trane Air Conditioning Economics) software helps analyze the energy and economic effects of virtually any system configuration. It allows you to manipulate a wide range of variables to create a detailed energy usage profile for your specific building. Unlike overly simplified spreadsheet-based energy analyses, TRACE 700 software accurately compares the

impact of building alternatives. You can test the effects and consequences of different architectural features, HVAC systems, building utilization or scheduling scenarios. And you can see the different economic options for each scenario. This enables you to make genuine life-cycle, cost-based system decisions with absolute confidence.

Call on Trane

We can help you plan, install and manage your next HVAC system – so you can concentrate on your core business. Our experience and expertise in designing, commissioning and maintaining HVAC systems not only guarantees a solution that best answers your needs, it also gives you complete efficiency and peace of mind.

Call us, let's talk.



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Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.
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