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## **Trane CFAS Fan Coil Delivers Enhanced Comfort to Commercial Office and Healthcare Buildings**

**Brussels, Belgium, June 22, 2011** – For commercial office and healthcare buildings, maintaining a comfortable environment that supports occupant well-being is crucial.

That is why Trane, a leading global provider of indoor comfort systems and solutions and a brand of Ingersoll Rand, is introducing a new one-way cassette fan coil (CFAS) for these specific comfort applications. The Trane CFAS combines enhanced comfort with a discreet physical and acoustic presence.

The CFAS features a self-contained return and supply air plenum that blows air parallel to the ceiling in one direction. The Coanda effect is achieved in full at all fan speeds, ensuring maximum room comfort. A louvered linear return air grill with a 45° angle ensures that supply and return air do not mix.

Operating in close proximity to room occupants, the cassette fan coil offers almost silent sound levels of 35 dBA at average speed or below.

To maximize visual appeal, the CFAS plenum fascia and its infrared receiver are smoothly integrated into suspended ceiling tiles. The angled return air grill hides the unit filter behind it, removing the filter from sight. This results in a clean look, even when the filter needs cleaning. The CFAS, only 306mm high, fits in all false ceiling voids.

The return air grill of the CFAS has a 100 percent opening, as opposed to the perforated grills with a 60-65 percent opening that are available on the market today. The CFAS grill allows the full filter face area to collect dust uniformly, preserving full filtering capacity. As a result, CFAS filters need to be cleaned and changed less often, reducing maintenance costs.

“Trane CFAS offers office and hospital occupants maximum comfort without being seen or heard,” said Cary Collins, vice president product management and marketing of the Climate Solutions sector of Ingersoll Rand in the Europe, Middle East, India and Africa region (EMEIA). “This solution provides building owners with a cost-effective alternative to four-way cassettes or concealed fan coils ducted to additional air diffusers, without compromising on ambient comfort and sound levels.”

The CFAS is ideally suited for office and patient care buildings with 10 to 40m<sup>2</sup> rooms located around a common circulation zone.

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A range of control options is available for the CFAS. The Trane ZN523 controller is factory-mounted for seamless integration with a building management system (BMS) with LonTalk communication. In non-BMS environments, the CFAS can be integrated with a large choice of infrared or wall-mounted thermostats, allowing easy control of up to 20 units with one thermostat.

The CFAS comes in three versions with capacities ranging from 1.6 kW to 3.6 kW at medium speed. Also available is a raised unit that increases the condensate drain outlet from 100 to 160mm, eliminating the need for a condensate pump.

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