Daikin unveils new VRV5 floor standing unit to enhance low carbon solutions for commercial buildings

**Brussels, 31 March 2025 – Daikin is proud to announce the latest addition to its VRV 5 Heat Pump range, the new concealed floor standing unit, further enhancing their extensive R-32 portfolio. This innovative product is designed to provide a versatile and comfortable heating and cooling solution to decarbonize commercial buildings.**

**Enhanced versatility for smaller spaces**

The new floor standing unit incorporates Daikin’s advanced Shîrudo technology, ensuring full compliance with the IEC60335-2-40 standard and providing installers and consultants complete peace of mind. A key enhancement to the floor standing models is the integral airflow circulation principle, which delivers an installation versatility comparable to wall-mounted and cassette units, meaning it can easily be installed in small room applications. With this solution, Daikin is the first to address the traditional room size limitations of floor standing models that use R-32 refrigerant.

**What is Shîrudo Technology?**

With Shîrudo Technology Daikin tackles the IEC requirements concerning the mild flammability of R-32. According to the company there is no need for time consuming studies or additional installation and commissioning work. You can design your building stress free and validate the project in the Xpress software.

Shîrudo Technology ensures compliance to IEC60335-2-40 by integrating a leak detection sensor in every unit, a visual and audible alarm in the Madoka controller and shut-off values in the outdoor unit or SV box. For more information, visit <https://www.daikin.eu/en_us/daikin-blog/different-standards-f-gas-safety.html>

A computer generated image of a room

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**Compact Design with High ESP**

Optimized for the R-32 refrigerant, the new unit boasts a high external static pressure (ESP) of up to 55 Pa, allowing discreet integration with only the suction and discharge grilles visible. The unit's compact design, with a depth of only 200mm and a low height of 620mm, fits perfectly beneath windows, maximizing usable space. Depending on the use, the unit can be mounted to the wall or use the delivered installation feet.

**Comprehensive R-32 VRV 5 range**

Joining Daikin’s full VRV 5 R-32 outdoor unit range, the new floor standing unit further extends Daikin’s VRV 5 R-32 line-ups, which is celebrated for its simplicity and flexibility in design and installation. The extensive range includes capacities from 12.1 kW in cooling to 87.5 kW in heating, catering to a wide array of commercial applications including offices, hotels, and retail spaces.

**VRV 5 – Daikin’s commitment to low carbon solutions for commercial buildings**

Daikin’s VRV5 system was introduced as part of the company’s commitment to achieving net zero CO2 emissions by 2050. It is designed to provide safe, healthy, and comfortable spaces throughout the building life cycle with world-leading technology. The VRV5 with R-32 refrigerant is Daikin’s most comprehensive low carbon solution for commercial buildings, compliant with the EU F-gas regulation phase-down path. Customers can benefit from expert advice and full transparency of the total lifecycle impact through EPD certificates, helping to achieve maximum BREEAM, LEED, or WELL accreditations. With this addition, the VRV 5 range offers unparalleled versatility, efficiency, and environmental benefits. For more information on Daikin’s VRV 5 Heat Pump systems and the new floor standing unit, visit https://www.daikin.eu/en\_us/product-group/vrv/vrv5.html .

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A group of white rectangular objects

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**About VRV**

Invented by Daikin in 1982, VRV stands for Variable Refrigerant Volume control. All other companies that copied this technology refer to is as VRF (Variable Refrigerant Flow). VRV is a technology that circulates only the minimum amount of refrigerant needed during a single heating or cooling period. This mechanism introduced the opportunity for end users to individually control several air conditioning zones at one time. Find out more about VRV here: https://www.daikin.eu/en\_us/about/daikin-innovations/variable-refrigerant-volume.html

**About Daikin Europe N.V.**

The Daikin Europe Group is a leading provider of heating, cooling, ventilation, air purification and refrigeration (HVAC-R) technology in Europe, the Middle East, and Africa. Daikin Europe caters to a diverse customer base within this region by designing, manufacturing, and marketing an extensive range of products, maintenance services, and turnkey solutions tailored for residential, commercial, and industrial applications. The company employs over 13,800 employees through 59 subsidiaries and operates 15 manufacturing sites in Europe (12), Turkey (1) and the Middle East (2). Daikin’s refrigeration products are available under the Daikin, Tewis, Zanotti, Hubbard, and AHT brands. Headquartered in Ostend, Belgium, for over 50 years, the Daikin Europe group is a subsidiary of the global group Daikin Industries.

**About Daikin Industries Ltd.**

Daikin Industries (DIL) is a global leader in heat pump, air conditioning and air filtration technology. The company employes over 98,000 employees worldwide. Founded in Osaka in 1924, it is the only manufacturer in the world that develops and manufactures heating, ventilation, air conditioning, and refrigeration equipment, as well as compressors and refrigerants in-house. Daikin was named one of the world’s top 100 most innovative companies by Clarivate (UK) and LexisNexis (USA), recognized for its leadership in technology research and intellectual property patents. For its fiscal year 2023 Daikin reported a record sales result of € 28 billion sales (1 April 2023 – 31 March 2024).

Read more on [www.daikin.eu](http://www.daikin.eu) and [www.daikin.com](http://www.daikin.com).

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