

Discover the new Daikin EWYE-CZ heat pump: high temperature, low carbon, maximum efficiency

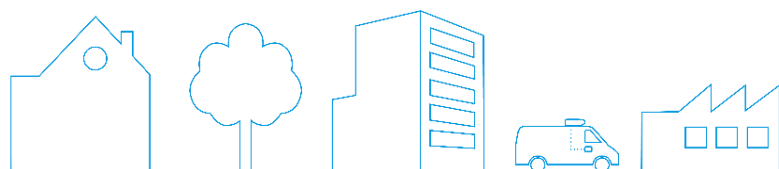
Vienna, November 2024 – In Daikin's 100th anniversary year, the Japanese innovation leader in the HVAC industry is launching a groundbreaking **new heating and hot water solution, the EWYE-CZ air-to-water Inverter heat pump**: Equipped with Daikin's Inverter Scroll compressor technology, the EWYE-CZ uses the **low Global Warming Potential (GWP) R-454C refrigerant** to meet first class energy efficiency and sustainability standards. The new heat pump produces **hot water up to 70°C**, making it the ultimate solution for low carbon residential and commercial heating needs. Designed and manufactured in Europe, it has the potential to redefine heating solutions altogether.

Key Features of the EWYE-CZ heat pump

- Wide operating range for various heating needs
- Advanced Inverter Scroll Compressor technology
- Compactness and ease of installation
- Low carbon R-454C refrigerant



The EWYE-CZ offers heating in various applications and allows to produce domestic hot water. The range is available in **8 sizes from 16 kW to 70 kW**, all equipped with **Daikin Inverter Scroll Compressor technology**. The operating range provides **hot water temperatures from 20°C to 70°C**, effectively functioning under diverse environmental conditions and operates in **ambient temperatures ranging from -25°C to 40°C**. Additionally, it can function with a significant temperature difference between the



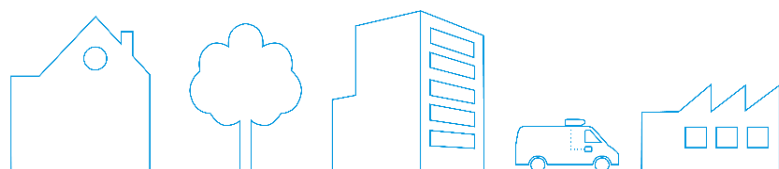
water entering and leaving the system (ΔT), ensuring that hot water can be supplied to different heating applications within the system. Featuring an **anti-legionella control function** for the external tank it is a great solution for **hospitals, hotels, and residential buildings**.

The new EWYE-CZ inverter is available in **four compact versions** with one to four inline fans. It features an **integrated inverter water pump for easy installation and space optimisation**. Boasting high performance, the unit requires minimal floor space, making it ideal for areas with limited space. A low-noise version is available for noise-sensitive areas.

This range uses the low carbon refrigerant R-454C classified as A2L according to ISO 817 and ASHRAE 34 standards and includes one or two independent refrigerant circuits. R-454C has low toxicity and flammability, eliminating the need for additional safety measures, making this a comprehensive decarbonisation option available on the market.

More benefits

1. **High efficiency & low running costs:** Daikin full Inverter technology ensures high efficiency and low running costs. The combination of Daikin Inverter Scroll Compressors and inverter driven fans makes the new R-454C small inverter heat pump a fully inverter driven range.
2. **High-temperature hot water production:** Vapour injection with an economizer allows the supply of high-temperature hot water up to 70°C, making EWYE-CZ an ideal choice for residential applications, particularly in boiler replacement projects.
3. **Smart control of defrosting:** Daikin offers an optimised **integrated defrost logic** that can coordinate the operation of multiple units and prevent the defrost cycle from occurring simultaneously, reducing water consumption, and increasing customer comfort.
4. **Reliability and customer peace of mind:** The fully inverter design ensures greater adaptability to the cooling and heating loads of the building, minimising the number of on-off cycles and extending the unit's lifetime.
5. **Stock availability:** this unit is available from stock and ready for immediate installation, ensuring fast and reliable delivery.
6. **Remote monitoring and system optimisation:** Daikin's proprietary cloud platform, Daikin on Site, allows remote monitoring and optimisation of system performance, as well as remote software updates.
7. **Smart grid ready:** a smart grid ready box is available as accessory, allowing the integration of the unit's control in smart grid applications, maximising the use of green energy to run the heat pump.
8. **Green building contribution:** The EWYE-CZ can help earn project credits by improving the energy efficiency of hydronic systems, contributing to meeting BREEAM and LEED certification requirements.
9. **Low carbon solution:** The EWYE-CZ is an F-Gas-compliant solution that makes use of R-454C refrigerant, which has a global warming potential of 145.5 significantly reducing both direct and indirect CO₂ emissions compared with traditional heating systems.



10. **Flexibility:** The unit comes with a mounted hydronic kit to simplify the integration of Daikin heat pumps into water-based heating and cooling systems. Customers also have the option to order the unit without the kit.

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About

100 years Daikin

The story of Daikin has always been shaped by groundbreaking ideas, technological innovations, and dedicated people. It began in 1924 when the young Japanese engineer Akira Yamada founded an enterprise in Osaka to manufacture aircraft radiators with a 15-member team. Today, 100 years later, the Daikin Industries Ltd. group brings **future-proof solutions for heating, cooling, ventilation, air purification, and refrigeration to global markets**. More than 98,000 employees in 175 countries continue the company's legacy of leading technologies to advance low carbon heating and cooling, while ensuring the highest level of comfort. For its fiscal year 2023 the global Daikin Group reported a record sales result of € 28 billion sales (1 April 2023 – 31 March 2024).

Read more on [100 Years Daikin](#)

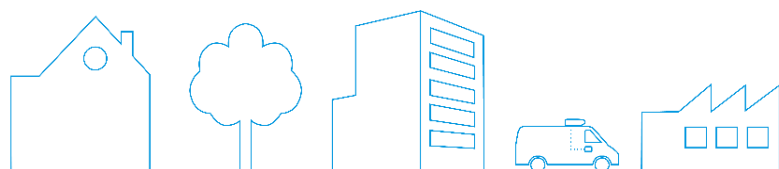
Daikin Europe N.V.

The Daikin Europe Group is a **leading provider of heating, cooling, ventilation, air purification and refrigeration (HVAC-R) technology** across Europe, Middle East, and Africa. Daikin designs, manufactures, and offers customers a broad portfolio of products, maintenance services, and turnkey solutions **for residential, commercial, and industrial applications**. The group currently employs over 13,800 people across more than 59 subsidiaries and operates 14 manufacturing sites in Belgium, the Czech Republic, Germany, Italy, Spain, Austria, the United Kingdom, Turkey, the United Arab Emirates, and the Kingdom of Saudi Arabia. Headquartered in Ostend, Belgium, for over 50 years, the Daikin Europe Group is a subsidiary of Daikin Industries Ltd.

Read more on www.daikin.eu

Daikin Airconditioning Central Europe

Daikin Airconditioning Central Europe, founded in 1999 with its headquarters in Vienna, Austria, operates as a subsidiary of Daikin Europe. Its portfolio includes **products and total solutions for heating, cooling, ventilation, air purification, and refrigeration in residential, commercial, and industrial settings**. With over 700 employees and 3,400 partners, the company manages sales and service activities across **16 countries in Central and Eastern Europe**, including Austria, Albania, Bosnia and Herzegovina, Bulgaria, Croatia, the Czech Republic, Hungary, Kosovo, Montenegro, Moldova, North Macedonia, Poland, Romania, Serbia, Slovakia, and Slovenia.



With 'Your Daikin World' at the Vienna headquarters and the 'Daikin Inspiration Park,' the HVAC-R industry and the construction sector have access to two state-of-the-art B2B-experience centers for co-creating tailor-made solutions for hotels, retail, offices, and large commercial applications. Across the CE-region Daikin runs 10 out of 116 B2B-trainings centers across Europe. Consumers and homeowners receive consultations at four B2C-Experience centers in Vienna, Belgrade, Bratislava and Budapest.

Read more on www.daikin-ce.com

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