

**DAIKIN'S NEWEST BLUEVOLUTION ADDITION
IS EUROPE'S GREENEST IN THE LIGHT COMMERCIAL MARKET**

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Daikin has launched Europe's very first heat pump cassette using low GWP R-32 refrigerant gas extending the Sky Air range for light commercial applications. With just one-third of the Global Warming Potential (GWP) of R-410A refrigerant, R-32 is a proven environmentally responsible alternative. The R-32 based Sky Air High COP cassette promises to deliver high energy efficiency with a significantly reduced carbon footprint.

Following the introduction of R-32 refrigerant-based direct expansion air conditioners and heat pumps under the Bluevolution technology range in Europe, Daikin has now launched a new SkyAir Seasonal Smart system cassette variant. The new Sky Air Bluevolution cassette updates the Daikin original Round Flow Cassette Design and provides an environment-friendly technology alternative for a variety of light commercial applications such as for retail stores, restaurants and small office spaces.

The lowest GWP for light commercial air conditioners

Further to the European phase-down of hydro-fluorocarbons through F-Gas legislation, refrigeration gases are now rated on their carbon dioxide emissions tonnes equivalent and consequently, their environmental impact. Leading the move to low GWP refrigerants, Daikin continues to pioneer new HVAC technologies to the benefit of the European business owners and consumers, at its research and development centre based in Belgium.

Accommodating cooling capacities from 6.8kW to 13.4kW, the Sky Air Bluevolution Cassette is an affordable, energy-efficient, environment-friendly solution. With a 15% lower refrigerant charge, the system has no need for an annual refrigerant containment check. The new heat pump cassette system, which works off a 220-240V power supply voltage, provides the highest seasonal energy ratings on the market, with a Seasonal Energy Efficiency Ratio (SEER) up to 7.35. The result is a significant improvement in energy efficiency and a 68% reduction in environmental impact compared to R-410A equivalent products. In addition, the new cassette system has been expanded to support applications with longer piping requirements up to 85m in length.



The Sky Air Bluevolution cassette combined with a BRC1E53 wired remote controller incorporates high-value features such as continuous low noise operation and a 5-step fan speed control for maximizing comfort.

The first R-32 heat pump for light commercial applications in Europe

“We are proud to launch Europe’s very first light commercial Cassette system using a next generation low GWP refrigerant, which supports Daikin’s on-going global aim to lower the impact of its product portfolio. As a leading HVAC manufacturer Daikin strives to develop environmentally-responsible technology alternatives that can help our customers build a more sustainable future without compromising their safety. The Sky Air Bluevolution cassette system uses as much as 15% lower refrigerant volume in operation compared to its R-410A equivalent - delivering immediate benefits in installation use and maintenance” says Seetha Sasikala, Sky Air and Packaged Products SBU Manager at Daikin Europe.

“R-32 exhibits the many requisite characteristics making it suitable as a next generation refrigerant for residential and light commercial air conditioners. As a greener replacement, it is easier to charge, recover and recycle as it is not a blended refrigerant - unlike the traditional R-410A. Installation with R-32 gas is also simple and straightforward, following same basic rules for piping and brazing, as well as similar pressures as R-410A.

Start the future now with Daikin

“Millions of Daikin R-32 based air conditioners and heat pumps are in use worldwide, including installations in high ambient temperature zones. Daikin is committed to leveraging our know-how and technology innovation to offer the highest quality and energy efficient products for the European market delivering consistent value throughout the system lifecycle,” adds Sasikala.

Daikin’s decision to adopt R-32 followed extensive pilot testing in the field, working with the international community to consider and evaluate refrigerants from a range of economic, social and environmental factors. R-32 was identified as the most suitable refrigerant for air conditioners. Daikin began using R-32 for residential air conditioners for the Japanese market in 2012 and for the Indian market in 2013. Daikin R-32 based products are also used in major markets such as in China and Australia. In September 2011 Daikin began giving free access to its “Basic Patent Indispensable for the Manufacture and Sale of Air Conditioners Using R-32 Single Component Refrigerant.

In support of this launch Daikin is also offering training programs and on-going support to its installer network and service staff to educate, increase awareness on the benefits and empower them with necessary tools for adopting the manufacturer’s new SkyAir cassette system for light commercial use.

For more information visit www.daikineurope.com/bluevolution
www.daikin.eu

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Editors’ notes:

About Daikin Europe N.V.



Daikin Europe N.V. is a major European producer of air conditioners, heat pumps and refrigeration equipment, with approximately 5,500 employees throughout Europe and 10 major manufacturing facilities based in Belgium, the Czech Republic, Germany, Italy, Turkey and the UK.

Globally, Daikin is renowned for its pioneering approach to product development and the unrivalled quality and versatility of its integrated solutions. With more than 90 years' experience in the design and manufacture of heating and cooling technologies, Daikin is a market leader in heat pump technology. Daikin VRV and Daikin Altherma are the most sold heat pump systems in Europe, with over 500,000 systems delivered to date.

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