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Job description	Reference Project – Sky Air Bluevolution Round flow cassette in hair salon in Germany
Category	Technical Paper
Status	Final
Page title	An efficient masterpiece: The new DAIKIN Sky Air Seasonal Smart Bluevolution series ensures cool heads and warm feet
Metadata max 60 char	With the Sky Air Bluevolution round flow cassette, DAIKIN is introducing the first unit for commercial applications using R-32 refrigerant on the European market.
Tags	Sky Air, Bluevolution, retail, R-32, hairdresser, low-noise operation,
Recommended tweet	The new #Daikin Sky Air Seasonal Smart Bluevolution series ensures cool heads and warm feet
Project summary	Following the introduction of R-32 refrigerant for residential room air conditioners and heat pumps under the Bluevolution technology range in Europe, DAIKIN has now launched a new Sky Air Seasonal Smart system variant. The first DAIKIN Sky Air Bluevolution Round flow cassette has now been installed in a hairdressing salon in Germany. The performance of the unit has been optimally adapted to the size of the salon and the system convinces the owners through its low-noise and draft-free operation.
Target sector (usage)	shops, hairdressers, and other light commercial businesses
Target audience	Shop owners, installers, planners
Target press	Vertical market press to include retail sectors and energy management titles, trade press cooling and heating and trade press light commercial businesses

An efficient masterpiece:

The new DAIKIN Sky Air Seasonal Smart Bluevolution series ensures cool heads and warm feet

In service-oriented shops, such as hairdressers, the comfort of customers is given special attention. At Hair Style Rita, in Bad Vilbel near Frankfurt / Main, the first Sky Air Bluevolution Round flow cassette from DAIKIN has been in use since June 2016. The product is designed for light commercial applications, and it convinces through its low-noise and draft-free operation. By using R-32 refrigerant highest seasonal efficiency is achieved. With the Sky Air Bluevolution Round flow cassette, DAIKIN is introducing the first unit for commercial applications using R-32 refrigerant on the European market.

The design of the hairdressing salon Hair Style Rita is modern and friendly. Since July 2015, the entrepreneurial couple Diodato and Rita Iacenda have been running their business in the premises of a new building. After 16 years at another location, they have finally been able to decide on a modern indoor architectural design, and install modern technology that provides a comfortable indoor climate. The 50 m² of the hairdressing salon are kept at the right temperature by a DAIKIN Sky Air equipment combination, consisting of a Seasonal Smart outdoor unit and a Round flow cassette, which is operated with the R-32 refrigerant. Accommodating cooling capacities from 6.8kW to 13.4kW, the Sky Air Bluevolution Round flow cassette is an affordable, energy-efficient, environment-friendly solution. "I have known Diodato and Rita Iacenda already for a few years, and I was very happy to be able to advise and support them from the start in the planning and implementation of this installation and its maintenance. We decided on the Sky Air equipment of DAIKIN, which fits the look of the salon ideally and convinces, due to its high efficiency values and low noise operation", says Ricardo Guevara, the Managing Director of FRIO GmbH, who is responsible for the project.

Comfort, from the first to the last customer

The unique DAIKIN Bluevolution Round flow cassette provides 360° air discharge, meaning that it blows air outwards not only on the sides, but also in the corners. Furthermore, five different ventilation speeds are available. The wired remote control makes it possible to

individually open or close each of the flaps, allowing the unit to be adapted to every room layout. "It was important to us that customers enjoy their stay at our salon. This includes good service, an appealing atmosphere but also a suitable room climate. Sky Air, with its draft-free and pleasant low-noise operations, guarantees this to us", says the happy owner, Rita Iacenda. Besides the remote control, operations can also be controlled with the intelligent Tablet Controller discreetly installed in the salon. This makes a user-friendly and individual programming of operating times possible, thereby maximizing efficiency. "We are very satisfied with the system. The shop is already at a pleasant temperature, when we enter it, and we do not have to switch the unit on or off. I have programmed the controller according to the opening hours of the salon. On Mondays, for instance, when we are only open in the morning, the air conditioner will switch off around 2 p.m.", explains Diodato Iacenda.

A modern look and energy-saving technology

The Round flow cassette fits in with the modern interior furnishings inconspicuously. And the performance of the unit has been optimally adapted to the size of the salon. Also the DAIKIN Sky Air outdoor unit fits unobtrusively into its surroundings; in the case of Hair Style Rita, it has been installed at the back wall of the building. The low noise operation is especially important because of immediately adjacent residential houses. The case is weather-resistant and very robust. In comparison to R-410A products, the outdoor units are charged with about 12 % less refrigerant and R-32 has a 68 % lower GWP value.

New Sky Air Bluevolution series – the solution for smaller commercial applications

Following the introduction of R-32 refrigerant for residential room air conditioners and heat pumps under the Bluevolution technology range in Europe, DAIKIN has now launched a new Sky Air Seasonal Smart system variant. This product range is suitable for smaller offices and retail stores. The modular design makes tailor-made applications possible, which include intelligent energy consumption and high flexibility, both during installation and operations. Due to the low GWP of the refrigerant (GWP = 675), all DAIKIN Bluevolution units already today meet the requirements of the new European F-gas regulation of 2025. Thanks to the low GWP, a lower impact on the environment and an increase in efficiency of at least 5 % is achieved in comparison to R-410A equipment. When opting for an R-32 combination,

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efficiency classes of up to A++ are achieved. The large selection of indoor units offers a variety of comfortable solutions for heating and cooling.

For more information visit www.daikineurope.com/commerical/bluevolution



About Daikin Europe N.V.

Daikin Europe N.V. is a wholly-owned subsidiary of Daikin Industries Limited and a major European producer of air conditioners, heating systems and refrigeration equipment, with approximately 5,500 employees throughout Europe and 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.