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| Tweet | #Daikin’s ‘plug and play’ Rooftop Series – integrated functionality and maximum #efficiency, now with low GWP #R-32 |
| Version | V2.0 |
| Owner | Gill De Bruyne |

Daikin’s Rooftop Series completely redesigned with new R-32 models

October 29, 2020

Daikin has announced the launch of its completely redesigned Rooftop Series for operation with R-32. The new line-up, due to be launched in January, has been redesigned as part of Daikin’s aim to become carbon neutral by 2050 and coincides with the new Lot 21 Tier 2 legislation which comes into force next year.

The expansion of Daikin’s commercial portfolio for use with R-32 is an integral part of the company’s strategy to minimise its environmental footprint. The new R-32 rooftop series complies both with existing and future regulations as a low GWP solution, offering significantly increased efficiency while reducing potential global warming impact by up to two thirds compared to the current R410A market standard refrigerant. Conceived as a ‘plug and play’ solution, the Daikin Rooftop Series comes as a package integrating both indoor and outdoor sections and factory-charged with refrigerant for fast, cost-effective installation at site. At the same time, it offers the flexibility to cater for complex needs across a range of building types from retail and department stores to warehousing and industrial units.

Comprehensive features

Designed for performance and durability, Daikin’s new R-32 Rooftop Series comes with a comprehensive package of integrated features which are incorporated as standard across the entire range. Using R-32 refrigerant, with inverter-controlled scroll compressors fitted to most of the range, the Rooftop Series provides maximum efficiency. The system design incorporates an integrated high efficiency EC plug fan with a static pressure from 350 Pa up to 850 Pa, which is virtually maintenance free. The robust design of the unit with its 25mm double-skinned panels also minimises noise.

A wide capacity range up to 190kW, with four different versions to include fresh air, extraction and heat recovery options provides maximum flexibility in configuration, optimising installation space and delivering improved air quality and circulation.

Integrating the new R-32 Rooftop Series with existing building management systems is easy, via BACnet or Modbus protocol or into Daikin’s own BMS system, the intelligent Touch Manager.

More choice

The new Rooftop Series is available in four variants. The base installation option requires no additional piping and offers immediate ‘plug and play’ connectivity, providing efficient air re-circulation. A 2-damper version additionally comes with integrated fresh air, while the 3-damper model also provides air extraction, together with thermodynamic heat recovery. Leading the range is the premium 4 damper version, additionally featuring a plate heat exchanger to recover waste heat in the most efficient way. Free cooling with up to 100% fresh air possible delivers improved air quality with energy savings.

Speed of delivery or more flexibility?

A unique feature of the new Rooftop Series is the freedom to choose from standard or customized systems. Made-to-Stock units are directly available where fast delivery is key. Daikin’s   
Made-to-Order option allows specifiers to customise units to fit exact building needs. A wide range of additional factory-mounted items are also available to include auxiliary heat sources such as gas burners, a wide range of filters up to ISO ePM1 85% (F9), steam humidifiers, oversized fans for higher ESP and much more.

To make life easier for installers, new selection software provides guidance in choosing the right combination and finetuning systems to user needs.

**For more information visit https://www.daikin.eu/en\_us/solutions/rooftop.html**

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EDITOR 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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FURTHER INFORMATION

Contacts

For Media enquiries contact:

Charmaine Kimpton +44 7414 749973 or email

[Daikin-News@sheremarketing.co.uk](mailto:Daikin-News@sheremarketing.co.uk)