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| Job description | Daikin Altherma 3 GEO |
| Category | Press Release |
| Audience | Installers, end users |
| Sectors | Residential |
| Tags | Bluevolution, Daikin Altherma 3, renewable heating, ground source heat pump, R-32 |
| Tweet | Trailblazing technology - unique to Daikin, the new Daikin Altherma 3 GEO offers a one size fits all solution for home heating |
| Version | 1.0 |
| Owner | Sébastien Cherpion |

Setting new standards: Daikin introduces ground source heating with R-32 for homes

June 18, 2019

As an innovator, Daikin continuously seeks to develop new products which combine design excellence with high performance to keep homes warm even in the coldest winters. Unique in the market, Daikin Altherma 3 GEO raises the bar, incorporating R-32 refrigerant with active cooling and a removable compressor.

Ground Force: naturally green

Pioneered by Daikin, new Daikin Altherma 3 GEO is by nature a green solution which relies on the infinite energy present naturally in the ground. Ground source heat pumps absorb heat from groundwater at a constant temperature of 5-7°C, passing the fluid through a heat exchanger into the heat pump which can then be used to heat radiators, underfloor or warm air heating systems (fan coils, heat pump convectors) and hot water in the home.

Daikin is the first manufacturer to introduce refrigerant R-32 to ground source heat pumps. By combining lower global warming potential with a reduced refrigerant charge, the R-32 achieves an impressive reduction of 73% of the equivalent CO2 compared to conventional R410-A units.

Innovative award-winning design

Winner of two prestigious design awards\*, the Daikin Altherma 3 GEO offers a choice of two capacity classes, 6 kW and 10 kW. Featuring a 180 litre tank for domestic hot water storage, the unit also incorporates an active cooling option to provide year-round comfort.

Developed with the needs of installers in mind, the two-stage removal of the 70 kg compressor module ensures easy on-site handling and installation.

Installer and customer alike will benefit from the built-in intuitive controller that can be set-up remotely in nine simple steps.

In a nutshell, the Daikin Altherma 3 GEO saves time and delivers total peace of mind in an environmentally friendly solution with minimal running costs.

One-fit solution

Daikin Altherma 3 GEO is ideal for renovation as well as new build single family home applications. In addition, the new unit can be used for collective heating applications. The collective heating solution combines a central primary source of domestic hot water with individual installation of the Daikin Altherma 3 GEO unit to each dwelling to provide space heating and domestic hot water supply at temperatures to suit individual household needs.

\*IF design award 2018 and Reddot 2018

The new Daikin Altherma 3 GEO will be available from 24th June 2019. For more information visit <https://www.daikin.eu/en_us/product-group/ground-source-heat-pump.html>

Ends

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

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