



**For Immediate Release**

**Contact:** Amélie Andrey  
+33 4 72 71 56 52  
[amelie.andrey@carrier.com](mailto:amelie.andrey@carrier.com)

## **CIAT Launches New Vectios<sup>Power</sup> Packaged Rooftop Range on R-454B Refrigerant**

**MONTILLA, Spain, March, 21<sup>st</sup>, 2022** — CIAT has introduced a new range of Vectios<sup>Power</sup><sup>™</sup> rooftop air conditioning units operating on R-454B refrigerant, offering customers an optimum application solution. With a GWP of 466, R-454B's overall carbon footprint is more than 80% lower than HFC R-410A, the refrigerant it replaces. CIAT is a part of Carrier Global Corporation (NYSE: CARR), the leading global provider of healthy, safe, sustainable and intelligent building and cold chain solutions.

“We believe Vectios<sup>Power</sup> operating on R-454B offers the best all-round solution for the environment, installers and building occupants,” said Natividad Molero, Product Manager, Rooftops, CIAT. “Vectios<sup>Power</sup> operating on R-454B offers all the space-saving and low noise benefits of the previous generation, while using the best refrigerant for rooftop applications, reducing environmental impact and delivering higher efficiencies and lower operating costs. And with its advanced indoor air quality technologies, such as high-efficiency filtration, fine air flow control and optional CO<sub>2</sub> sensors, it supports the highest levels of comfort and wellbeing, and aligns with #CIAT4life for the creation of healthier indoor environments.”

The updated Vectios<sup>Power</sup> range offers the same options as the previous series on R-410A, and exceeds Ecodesign 2021 Seasonal Energy Efficiency Ratio (SEER) requirements for cooling by up to 42% and Seasonal Coefficient of Performance (SCOP) for heating by 10%.

Aligned with CIAT's goal of providing customers with high-quality, verifiable information on environmental performance, Vectios<sup>Power</sup> and Vectios were the first rooftop air conditioning products registered under the internationally recognised Ecopassport<sup>®</sup> program, which is based on the ISO 14025 Environmental Product Declaration standard. The registration requires a full life cycle assessment and a Product Environmental Profile\* (PEP), a detailed evaluation of a product's environmental performance and impact. Innovative, efficient solutions such as CIAT's Vectios<sup>Power</sup> support Carrier's 2030 [Environmental, Social & Governance \(ESG\) Goals](#) of reducing customers' carbon footprint by more than 1 gigaton and investing over \$2 billion to develop healthy, safe, sustainable and intelligent building solutions that incorporate sustainable design principles and reduce lifecycle impacts.

Vectios<sup>Power</sup> operating on R-454B is available in 12 sizes spanning airflow rates from 10,800 to 54,000m<sup>3</sup>/h, with cooling capacities from 98 kW to 273 kW, and heating capacities from 98 kW to 300 kW. The fully Eurovent-certified range is ideal for applications such as supermarkets, cinemas, offices, industrial buildings and food storage facilities.

For installers, Vectios<sup>Power</sup> units are easy to lift and position on rooftops due to design optimisation and use of lightweight aluminium panels. Once in place, units simply require electrical connection. For end users and building occupants, Vectios<sup>Power</sup> units deliver low noise with quiet running scroll compressors and fans that adjust their

speed to match building load. The latest electronic expansion valves, high-efficiency electronic fans and smart control systems provide this performance.

To learn more about the CIAT Vectios<sup>Power</sup> operating R-454B, visit the [product page](#).

### **About CIAT**

CIAT is one of Europe's leading names in heat pump heating, summer comfort and air handling solutions for the residential, commercial, healthcare and industrial sectors. From product design to the definition of water-source systems, CIAT provides solutions based on three fundamentals - comfort, optimisation of energy consumption, and improvement of indoor air quality of buildings. Such triple expertise allows CIAT to offer sustainable systems that guarantee highly advanced energy-efficient equipment that meets environmental certifications and standards. CIAT is a part of Carrier Global Corporation, the leading global provider of healthy, safe, sustainable and intelligent building and cold chain solutions.

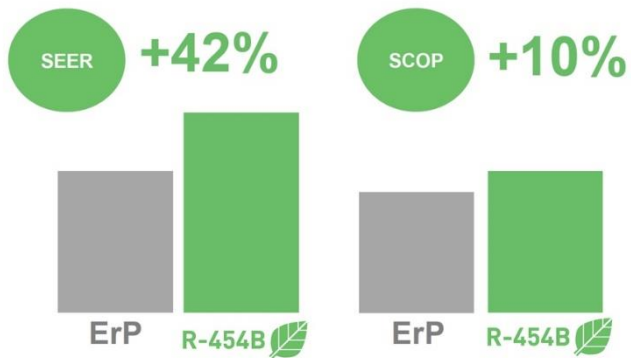
For more information, visit [www.ciat.com/en/eu/](http://www.ciat.com/en/eu/) .

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Vectios<sup>Power</sup> on R-454B – the all-in-one air conditioning solution.

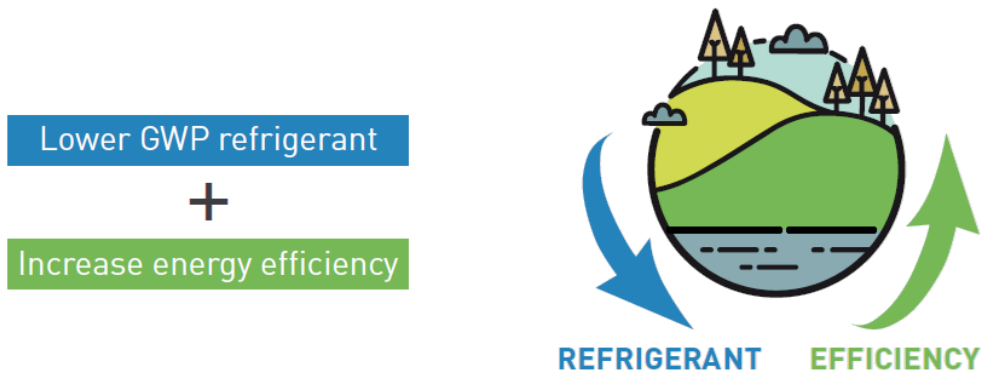
### Vectios<sup>Power</sup> R-454B performance above regulations requirements



As a result of design optimisation and the inherent efficiency advantages of the new refrigerant, CIAT's Vectios<sup>Power</sup> on R-454B exceed Ecodesign 2021 requirements.



Comparison of GWP figures for key refrigerants.



With its reduced environmental impact and improved efficiency, the carbon footprint of R-454B is 80% lower than R-410A, the refrigerant it replaces.