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Carrier Transicold Announces Commercial Launch of New Vector HE 19 with Low-GWP Refrigerant at IAA Transportation 2024
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RUEIL-MALMAISON, France, Sept. 16, 2024 - Carrier Transicold has announced the commercial launch of a new version of its Vector® HE 19 unit at IAA Transportation 2024 in Hanover, Germany. Featuring a new refrigerant with low global warming potential (GWP) and compatible with hydrogenated vegetable oil (HVO) biofuel or B100 biofuel, this refrigeration solution for semi-trailers has been designed to significantly reduce carbon dioxide (CO₂) emissions while maintaining exceptional performance. Carrier Transicold is part of Carrier Global Corporation (NYSE: CARR), global leader in intelligent climate and energy solutions.

The Vector HE 19 uses a low-GWP refrigerant, reducing CO₂ emissions by 9 times in comparison with the standard R452A refrigerant. The unit is also compatible with HVO biofuel, which reduces carbon emissions by 80% compared with a regular diesel-powered unit. In combination, the result is a minimum total reduction of 84% in CO₂ emissions over a one-year period.

The B100 biofuel, typically derived from recycled vegetable oils, animal fats or cooking oils, alone reduces the carbon emissions by between 60% and 91%, depending on the type of B100 used, compared with a standard diesel unit. Combined with the low-GWP refrigerant, the system can deliver a total minimum reduction of 73% in CO₂ emissions over a year of use.

The first semi-trailer equipped with the Vector HE 19 went into operation in June for FRAIKIN and Martin Brower, two long-standing Carrier Transicold customers, to assess its effectiveness in real-world conditions. Based at one of Martin Brower's logistics platforms in France, the semi-trailer makes deliveries of fresh and frozen foods for a major fast-food brand in France.

"We use this semi-trailer daily with great satisfaction," said Pascal Gloaguen, Managing Director, Martin Brower France. "The opportunity to be able to supply the Carrier refrigeration unit with a new low global warming potential refrigerant that is B100 compatible enables us to develop new sources of CO₂ emissions reduction to reach the -50% target that Martin Brower has set for 2030."

"Sustainability and environmental responsibility are at the core of our innovation projects," said Victor Calvo, Vice President & General Manager, Truck Trailer International, Carrier Transicold. "The Vector HE 19 represents a significant advancement in helping the transport sector achieve its decarbonization goals. We are proud to see that these in-depth tests with FRAIKIN and Martin Brower demonstrate the reliability of this new solution, positioning Carrier as a benchmark for CO₂-reducing innovation in the industry."

To find out more about Carrier Transicold products and services, visit [Carrier Transicold](#).

About Carrier Transicold

Carrier Transicold helps improve transport and shipping of temperature-controlled cargoes with a complete line of equipment and services for refrigerated transport and cold chain visibility. For more than 50 years, Carrier Transicold has been an industry leader, providing customers around the world with advanced, energy-efficient and environmentally sustainable container refrigeration systems and generator sets, direct-drive and diesel truck units, and trailer refrigeration systems. Carrier Transicold is a part of Carrier Global Corporation, global leader in intelligent climate and energy solutions that matter for people and our planet for generations to come. For more information, visit www.carrier.com/truck-trailer/en/eu/. Follow Carrier on X: [@SmartColdChain](#) and on LinkedIn at [Carrier Transicold Truck Trailer Refrigeration](#).

About Martin-Brower France

Martin Brower France, a subsidiary of The Martin-Brower Company L.L.C., is a global leader in supply chain solutions.

Martin Brower France in 2024:

820 employees;

1,570 restaurants delivered;

Approximately 64 million parcels prepared and delivered;

9 sites throughout France: Fleury-Mérogis, Beauvais, Rennes, Bordeaux, Lisses (Essonne), Lyon, Nancy, Aix en Provence and Toulouse, under 3 temperatures (fresh, dry, frozen);

Certifications: iso 9001, 14001, 45001, 50001 and FSSC 22000.

Martin Brower is present in 18 countries with over 74 distribution centres and is committed to reaching net zero emissions by 2050, through an ambitious target to reduce absolute operational emissions by 50% by 2030, in line with the scientific target of 1.5°C. Visit us at <https://martinbrower.fr/>.