



For Immediate Release

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Carrier Transicold Expands Patented A2L Safety-by-Design Approach to Vector HE 17

New technical white paper supports safe deployment of low-global warming potential A2L refrigerants across the refrigerated transport industry

RUEIL-MALMAISON, France, Sept. 14, 2026 — [Carrier Transicold](#) will introduce its patented two-stage A2L safety system on the Vector® HE 17 at IAA Transportation in Hannover, Germany. *Carrier Transicold is a part of Carrier Global Corporation (NYSE: CARR), global leader in intelligent climate and energy solutions.*

Many low-GWP refrigerants belong to the A2L class, offering a significantly lower climate impact while requiring engineering safeguards to address mild flammability characteristics. Carrier Transicold has developed a safety-by-design approach to A2L adoption that combines engineered safeguards, rigorous manufacturing controls, leak detection and a patented two-stage safety response to help manage risk and support regulatory compliance.

Using this approach and building on the A2L-ready Vector® HE 19, Carrier Transicold is extending its low-GWP refrigeration portfolio with the Vector HE 17. The unit is engineered to run on R454A, an A2L refrigerant with a GWP of 239, up to 89% lower than the industry-standard R452A (GWP 2,140).

"The transition to lower-GWP refrigerants represents an important opportunity to reduce the environmental impact of refrigerated transport," said Victor Calvo, Vice

President & General Manager, Carrier Transicold International Truck Trailer. "Our focus is helping customers make that transition with confidence. By extending our patented Safety-by-Design approach to the Vector HE 17, we're combining lower-GWP technology with robust, engineered safeguards designed to support safety, reliability and compliance without compromising the performance our customers depend on."

The new A2L-ready Vector HE 17 unit is designed to retain refrigerant in the system, minimising any potential release without compromising reliability or energy efficiency. The patented two-stage safety response adds an additional layer of protection. At the first sign of a leak, the system triggers an alarm and forced-air circulation. If needed, it can automatically isolate and move refrigerant away from the cargo area, helping protect people, cargo and the environment.

Carrier Transicold recently published a technical white paper on advancing the safe adoption of low-GWP A2L refrigerants while protecting cargo, supporting compliance and advancing sustainability. To learn more about Carrier Transicold's safety-by-design approach for low-GWP A2L refrigerants, [download the white paper](#).

Visitors can explore the company's latest innovations during IAA Transportation at Hannover Messe in Hannover, Germany, Sept. 15-20 at its booth in Hall 27, Stand E35 and outdoor display area, J43. Carrier Transicold also will host a press conference on Sept. 14 at 14:00 at its booth.

For more information on Carrier Transicold products visit www.carriertransicold.eu or on LinkedIn at [Carrier Transicold Truck Trailer Refrigeration](#).

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, committed to creating innovations that bring comfort, safety and sustainability to life. For further information, please visit www.carriertransicold.eu. Follow [Carrier Transicold Truck Trailer Refrigeration](#) on LinkedIn.

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