



VECTOR[®] HE 17

*Efficiency on the move,
trailer cooling redefined.*

Carrier
TRANSICOLD

VECTOR HE 17, Complete versatility for all trailer applications

Vector HE 17 is Carrier Transicold's new refrigeration system, reducing fuel consumption by up to 30% compared to its predecessor, Vector 1550, while delivering superior cooling performance. Featuring inverter technology combined with proven all-electric

E-Drive architecture, this new unit has **one of the best total cost of ownership** in its category. With a reduced noise level, **Vector HE 17 is the ideal fit for both long-haul transportation and urban deliveries.**

30%

Designed to **reduce fuel consumption** by up to 30%*, Vector HE 17 ranks among the most competitive units.



+16%

improved cooling performance in standby mode and 5% in diesel mode*.



-6 dB

With **noise emission** reduced by 6dB*, resulting in a sound perception decreased by more than 50%, Vector HE 17 is fit for urban deliveries.



720 kg

Weighing only 720 kg, Vector HE 17 ranks among the **lightest units in its category.**

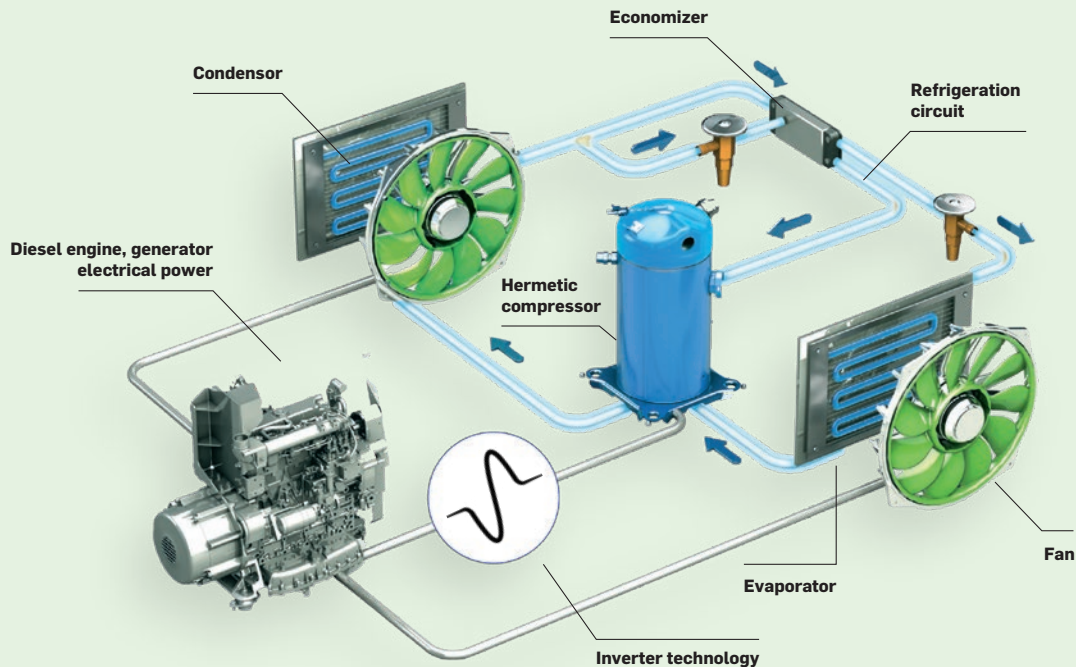
*Compared to Vector 1550

**DESIGNED
WITH TCO
IN MIND**

Vector HE 17 was designed to offer compelling total cost of ownership advantages. Its improved fuel efficiency leads to substantial long-term savings and a reduction in operational expenses. This efficiency translates into a tangible competitive edge by minimizing fuel-related costs, enhancing profitability, and ensuring more sustainable operations, with carbon dioxide reduction compared to legacy Vector 1550.

VARIABLE SPEED COMPRESSOR

The Vector HE 17 is equipped with inverter technology that allows the speed up or slow down of the compressor speed according to cooling load. This high-efficiency compressor, coupled with the reduction of a low diesel engine speed, allows the Vector HE 17 unit to provide better cooling performance fuel savings and reductions in both sound and CO₂ emissions.



Continuously improved over the past 25 years, the E-Drive system removes mechanical transmissions found in belt-driven refrigeration systems and transforms engine power into electricity through a generator. The technology significantly reduces fuel consumption, resulting in both a lower carbon footprint and quieter operation compared to diesel engine sound outputs.

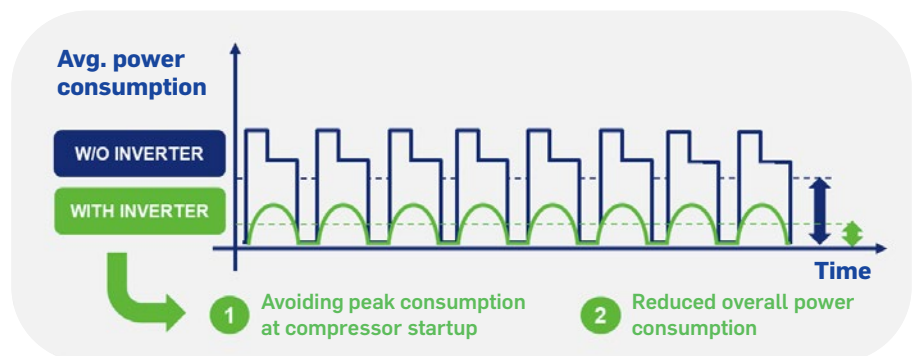
INVERTER TECHNOLOGY

Inverter technology allows to control compressor speed and deliver only the power needed to the refrigeration unit. With this technology, temperature is adjusted by changing compressor speed without turning the compressor on and off, thus allowing for perfect adjustment between cooling capacity needs and power demand, while reducing energy consumption at its lowest level, avoiding high peaks of power due to unnecessary compressor restart.

Without this feature, the compressor is on at 100% capacity, then turns off once cargo temperature target is met, before starting again at 100% when temperature adjustment is needed and results in increased fuel consumption.

WITHOUT INVERTER TECHNOLOGY

Compressor alternates between fully on and off mode.



WITH INVERTER TECHNOLOGY

After initial cool down, compressor speed is modulated in order to maintain a constant temperature while lowering power consumption by limiting "ON/OFF" compressor cycle.

Vector HE 17 Specifications

Offering complete versatility for all trailer applications, Vector HE 17 offers refrigeration capacity output at above 16 kW, as well as a significant reduction in fuel consumption and noise levels.



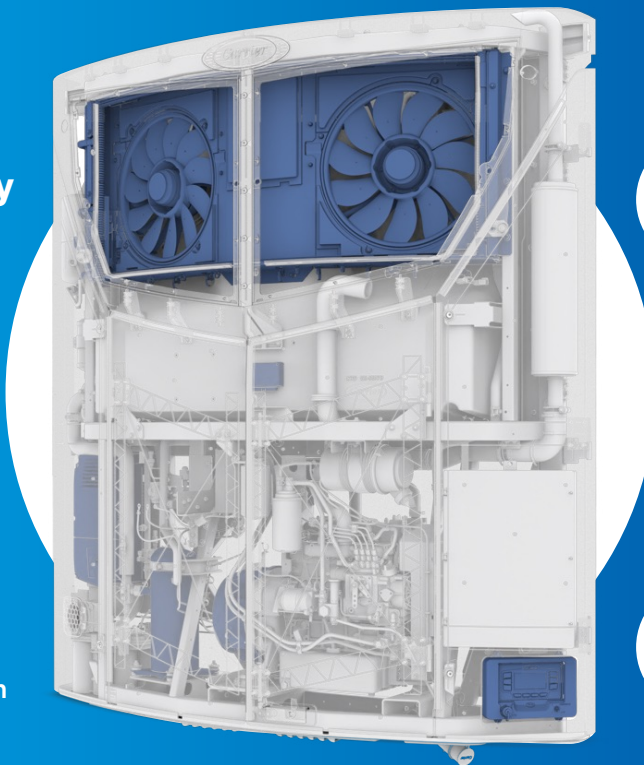
Cooling Capacity

- Diesel high speed:
0°C/30°C - Nominal capacity 16,120 W
-20°C/30°C - Nominal capacity 8,100 W



Heating Capacity

- Diesel:
8,800 W



Refrigerant

- Type R452A



Airflow

- Diesel:
5,548 m³/h



Sound Emission

- Diesel
High Speed:
65 dB pressure



Weight & Dimensions

- Weight: 720 kg
- Dimensions (HxWxD): 2,227 x 2,050 x 430 mm

Vector HE 17 Options

Vector HE 17 can be equipped with various options to enhance ease of use and comfort, and help further reduce CO₂ emissions.



Energy Accessories

- Solar panel 50 W/100 W
- Additional battery charger



Data Recording/Monitoring

- Datacold 100/300/600 range
- Datacold dongle USB



Aesthetics

- Bottom panel kit



THE RIGHT SOLUTION FOR YOUR APPLICATION

The Vector HE 17 is a versatile, TCO-oriented, high-efficiency option featuring the electric E-Drive technology for all your single temperature needs. The Vector HE 17 enhances our range of high-efficiency trailer systems, complementing the proven Vector S 15 and flagship Vector HE 19 units.



VECTOR S 15

Accessible & designed
for easy maintenance



VECTOR HE 17

Highly efficient & versatile



VECTOR HE 19

Intensive
& multi-temp use

Services



The Lynx Fleet™ application **intelligently monitors connected refrigeration systems** from anywhere in the world. It provides vital information through a centralized data stream and **with improved visibility for asset owners, producers, drivers, fleet managers and retailers** on the products being transported and the delivery modes transporting them.

In addition to providing critical data, such as temperatures, location and movement of refrigerated assets, Lynx Fleet can provide analytics and diagnostic information.

1

Advanced Remote Temperature Monitoring

End-to-end visibility enables product integrity throughout the transportation process.



2

Accurate and Reliable Temperature Control

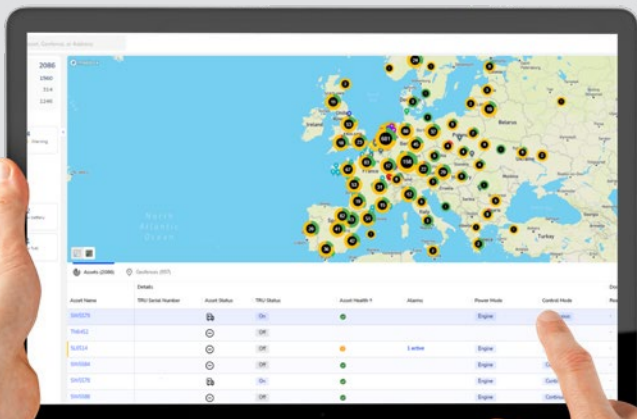
Consistently managed temperature requirements reinforce customer trust and loyalty.



3

Proactive Maintenance for Optimized Uptime

Implementing preventive maintenance ensures uninterrupted operations for maximum uptime.



Lynx Fleet allows you to **define your own custom reports and alerts** to track the information you need for your operations. **Get extra insight and control over your refrigeration units with Lynx Fleet.**

Since 2022, all new Carrier Transicold units come equipped with the Lynx Fleet digital application, and you can activate it anytime. **With remote activation**, you don't even need to take your vehicle to a service center.



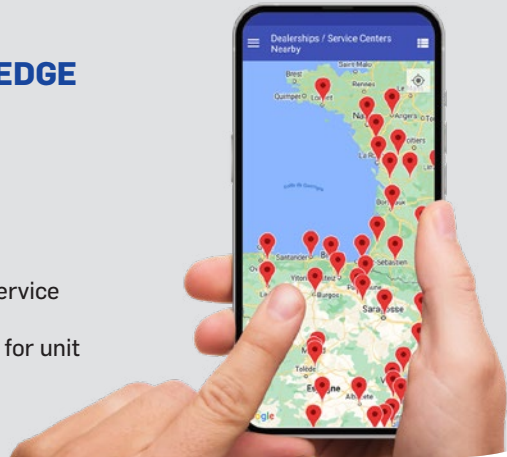
Combine your Carrier Transicold transport refrigeration unit with a BluEdge™ maintenance contract to leverage the full expertise of our extensive service network (600 locations across Europe) and get optimum levels of product support that will keep your fleet operating effectively.

IT'S NEVER BEEN EASIER TO GIVE YOUR FLEET AN EDGE

- Over 900 service centers around the globe
- 24/7 Assistance just one call away
- Three service levels to cater for all needs: Core, Enhance, Elite

CARRIER TRANSICOLD SERVICE LOCATOR

Download our free app or check our dedicated website to find the nearest service center. In addition to full details of all Carrier partner service centers, our application for iOS & Android features technical information, tutorial videos for unit maintenance and all the information you need to optimise your uptime.



PEACE OF MIND FOR YOUR EQUIPMENT

SIMPLE BUDGETING

Service costs are fixed for the duration of the term for a simple pre-determined fee.

REDUCED ADMINISTRATION

BluEdge takes care of arranging service and repairs for you.

BEST EFFICIENCY FOR YOUR PARTS

Benefit from genuine performance parts to ensure your equipment operates at its peak.

A TIER FOR EVERY BUSINESS



CORE

An economical solution for customers with a connected unit and need for standard support. Our Core option allows us to support your needs with a mix of online and side presence.



ENHANCE

Designed for customers who are looking for complete preventive maintenance with a high level of remote connectivity. We will maximise your equipment life, uptime and performance with customised support for each of your assets.



ELITE

Our Elite plan is the ultimate worry free, peace of mind program for clients who demand the highest level of equipment reliability, uptime and fiscal certainty. Repair or replacement of maintainable failed parts is included in this plan.



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