

Vector eCool™

The first autonomous all-electric refrigeration system



VECTOR eCool™



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Carrier Transicold reaffirms its commitment to reducing emissions, improving sustainability and increasing efficiency across the refrigerated transport sector with the launch of the first fully autonomous, all-electric engineless refrigerated trailer system, the **Vector® eCool™** system.

This new technology represents a giant step forward for trailer refrigeration. The **eCool™** system is a sustainable solution that ticks all of the boxes of electrification and decarbonisation that produces no direct engine polluting emission.

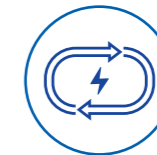


THE COMBINATION OF THREE ADVANCED TECHNOLOGIES

KEY BENEFITS



LOW AND ULTRA-LOW EMISSION ZONE (LEZ & ULEZ)
No direct engine polluting emission



ELECTRICAL AND AUTONOMOUS SOLUTION
Suited for any application

Move to a full electrical solution without any autonomy problems. Compatible with your entire tractor fleet.



EFFICIENCY
Get full benefits from your E-Drive technology
E-drive technology allows for maximum cooling capacity and reduced maintenance.



LOW NOISE EMISSION
Low noise emission
PIEK compliant -60dB(A)

Vector series



Battery pack



Axle generator





VECTOR eCool™

Up to **6H** autonomy

Depending on customer application, the battery can power the refrigeration unit for up to six hours on a single charge*

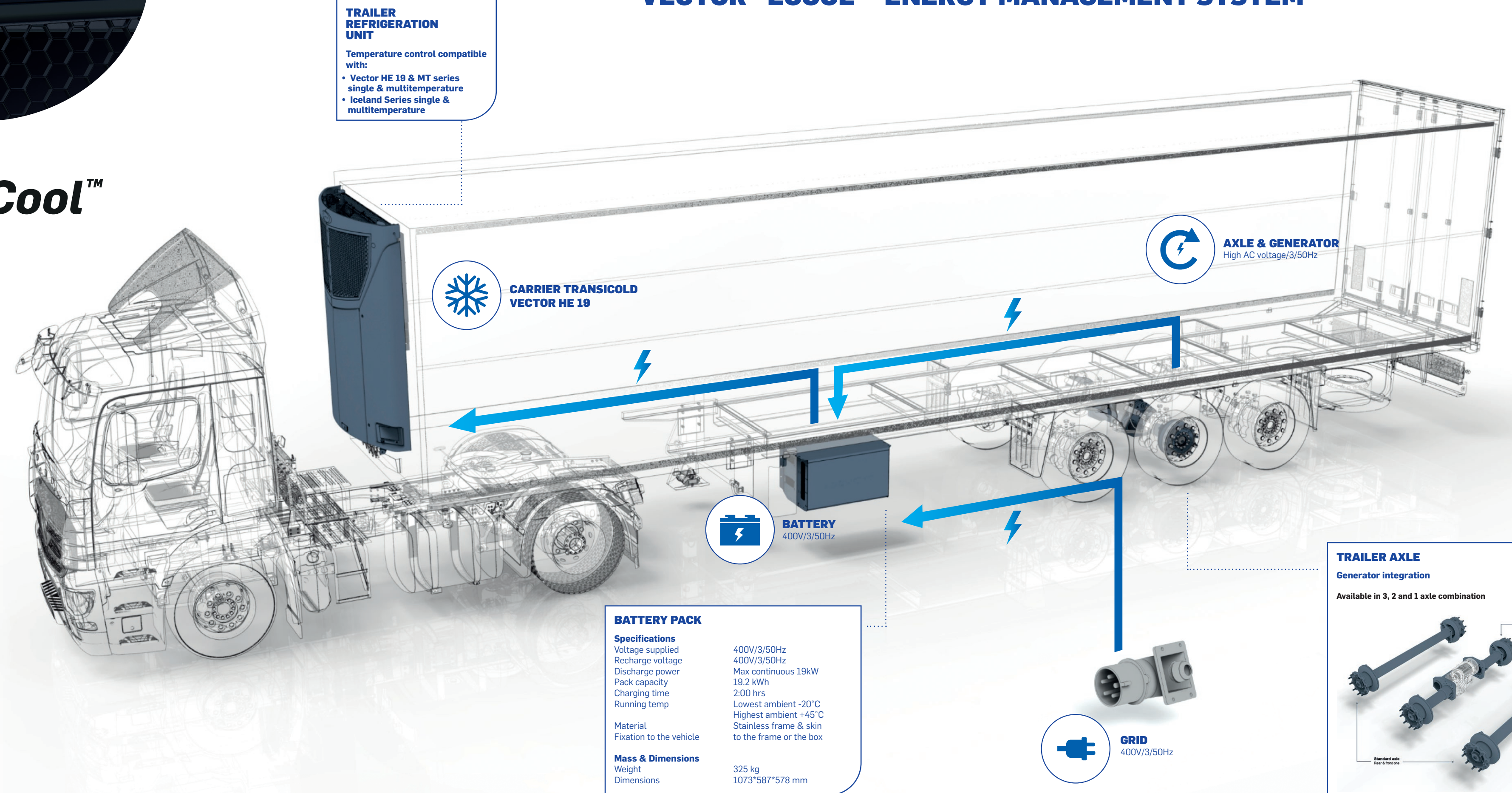
*On 19.2KWh battery pack only, without the energy provided by the axle generator.

2H battery recharge

Battery recharge on grid*:
- 80% battery recharge = 1h10
- Full battery recharge = 2h

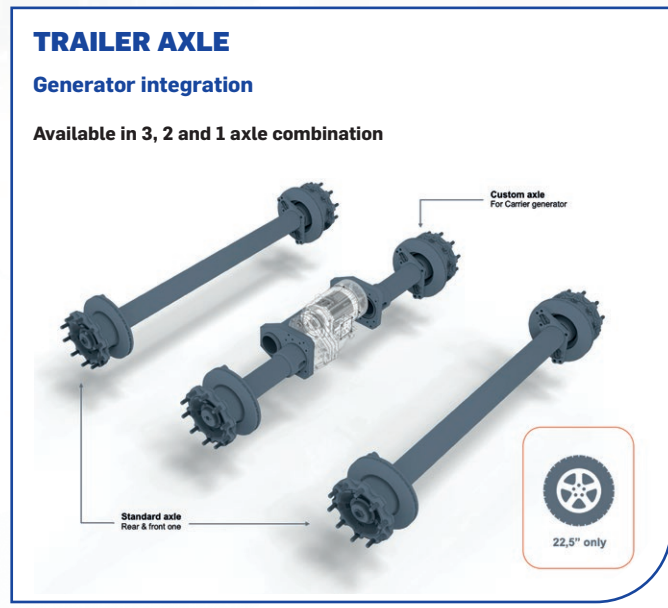
*On 19.2KWh battery pack.

VECTOR® ECOOL™ ENERGY MANAGEMENT SYSTEM



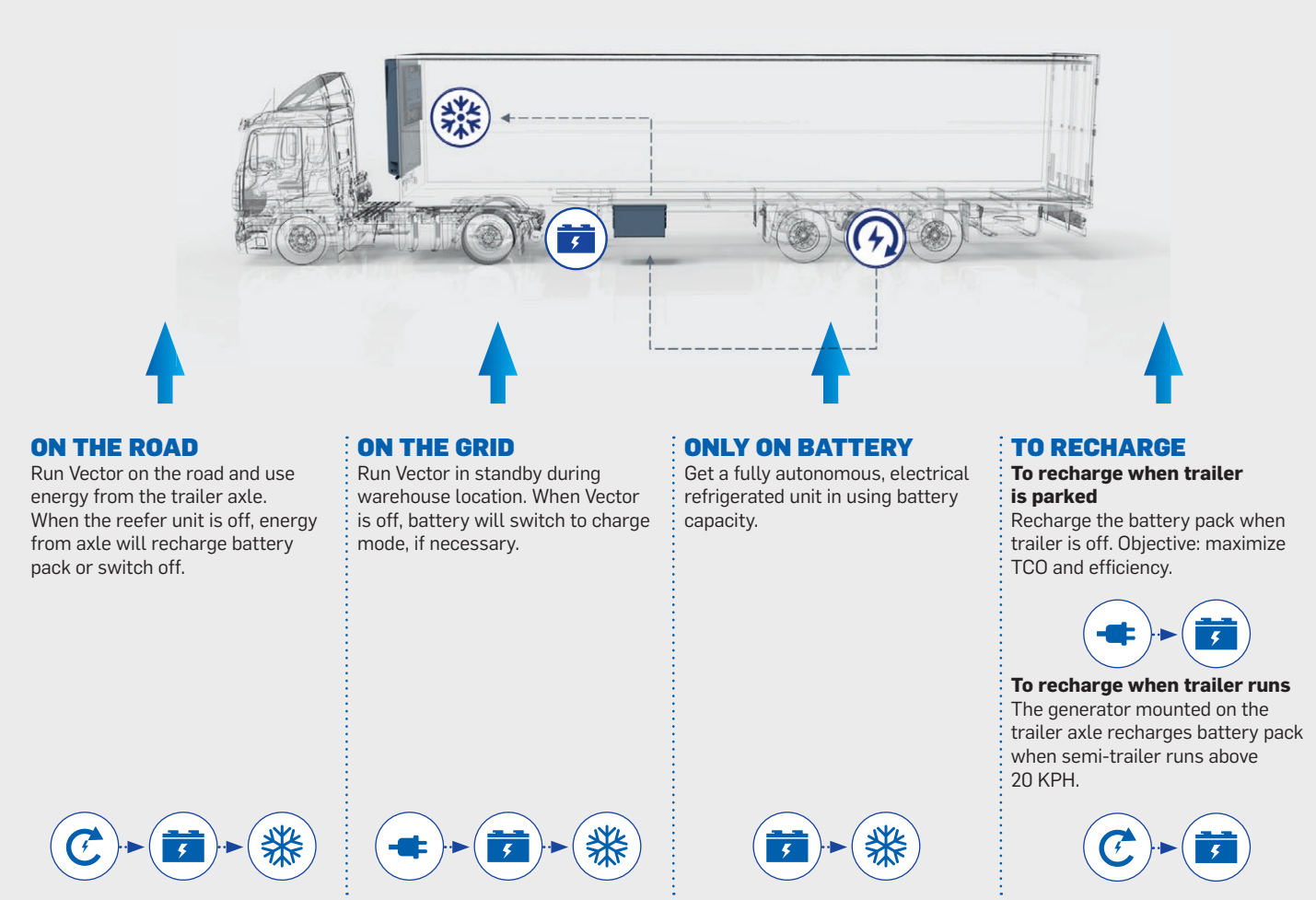
BATTERY PACK

Specifications	
Voltage supplied	400V/3/50Hz
Recharge voltage	400V/3/50Hz
Discharge power	Max continuous 19kW
Pack capacity	19.2 kWh
Charging time	2:00 hrs
Running temp	Lowest ambient -20°C Highest ambient +45°C
Material	Stainless frame & skin to the frame or the box
Fixation to the vehicle	
Mass & Dimensions	
Weight	325 kg
Dimensions	1073*587*578 mm



ENERGY OPTIMIZATION

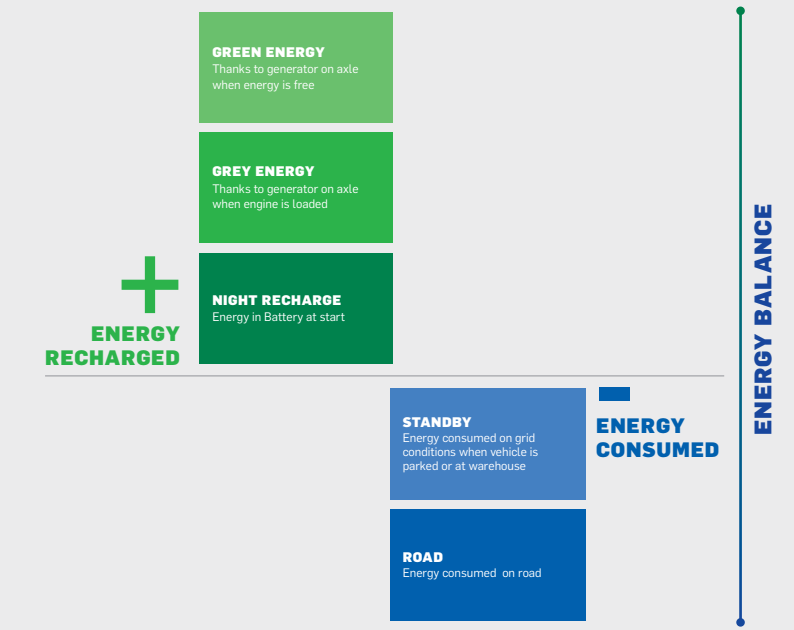
RUNNING MODES



CREATE & MANAGE POWER

The Vector eCool is more than a simple solution designed to store electricity in a battery pack. This system is a comprehensive energy management system that monitors the energy input and output of the battery pack to provide the best balance between autonomy, cold chain and return on investment.

The battery pack is consequently able to recharge itself automatically according to its environment and to the customer's applications.





CONNECTED COLD CHAIN SOLUTIONS

Lynx™ Fleet helps Carrier customers to optimize cold chain operations, decrease energy use and enhance outcomes with reduced costs, delays, cargo loss and spoilage in transit.

By enhancing visibility, resiliency, agility and efficiency in the cold chain, the cloud-connected Lynx™ digital platform helps reduce loss and supports real-time decisions, ensuring foods and vital medications safely reach people who need them around the world.



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

MORE THAN 600 SERVICE CENTERS

MORE THAN 2200 TECHNICIANS

24/7 ASSISTANCE JUST ONE CALL AWAY

A FULL SERVICE MAINTENANCE AGREEMENT



**THE VECTOR® ECOOL™ AND LYNX™ FLEET ARE OFFERED
THROUGH CARRIER'S HEALTHY, SAFE, SUSTAINABLE
COLD CHAIN PROGRAM TO PRESERVE AND PROTECT THE
SUPPLY OF FOOD, MEDICINE AND VACCINES.**



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