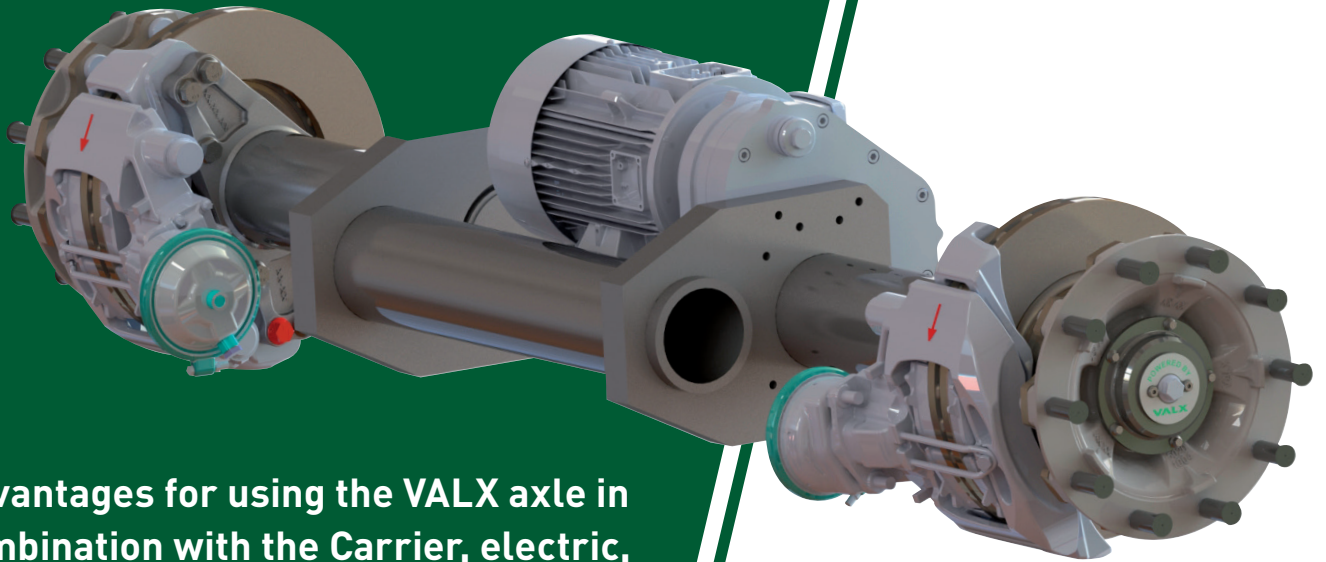




# VALX E2!HD ENERGY AXLE



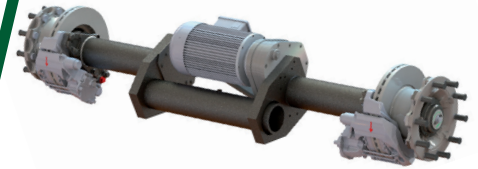
Advantages for using the VALX axle in combination with the Carrier, electric, refrigeration unit (compared with the standard diesel powered refrigeration unit):

- ***Ideal solution for every trailer used for cooling (or heating)***
- ***No Euro 2 diesel engine needed***
- ***No diesel consumption – so also no extra diesel tank***
- ***No CO<sub>2</sub> production (tax advantage and environmental friendly)***
- ***Silent***
- ***No fine dust***
- ***Less maintenance***
- ***Less king ping pressure (-400 Kg)***

[www.valx.eu](http://www.valx.eu)

The initial project is founded by THT and realized together with partners as Carrier and VALX





## Technical specifications

<b>PEAK POWER</b>	14 kW
<b>CONTINUOUS POWER</b>	9 kW
<b>GENERATOR</b>	<ul style="list-style-type: none"><li>• Air cooled</li><li>• Intelligent generator software</li></ul>
<b>SUITABILITY</b>	The E2!HD system is suitable with every standard truck
<b>TURN MOTION INTO POWER</b>	
<b>AXLE + GENERATOR</b>	230V / 400V / 3 / 50Hz
<b>BATTERY PACK</b>	400V / 3 / 50Hz
<b>GRID POWER SUPPLY</b>	400V / 3 / 50Hz
<b>PAN22 DISC BRAKE AXLE TRACK WIDTH</b>	Available in 2040mm and 2090mm

## Package info

- E2!HD axle VALX
- Battery, cooling unit and generator Carrier

## Numbers

- 1 Electrified Diesel reefer has the same reduction on environmental pollution as 140 cars
- 1 Euro 6 truck is giving 1/15th of the pollution from 1 diesel cooling engine
- Minus 30 Liter of diesel per day compared with a conventional reefer (about 80 Kg of CO<sub>2</sub>) looking at the consumption of the trailer cooling unit
- 15% of the trailers in the city are refrigerated trailers with Euro 2 cooling unit engines which are giving a total fine dust of 53%
- If 20% of the western-Europe trailers would use our system, it will generate the following annual savings:
  - 525 million liters of diesel
  - 1,3 billion Kg CO<sub>2</sub> (1 liter diesel = 2,64 Kg CO<sub>2</sub>)
- Electricity costs are 1/11 from Diesel costs

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