Vehicle data sheet · Peugeot

Peugeot E-Boxer X250 · Chilled and frozen transport with electric refrigeration

Chilled and frozen transport · Electric refrigeration



Brand	**Peugeot**
Model	**Peugeot eBoxer X250 for chilled & frozen goods with electric refrigeration**

7,7 m³ / 9,7 m³
Load volume

3-4 / 4-5
Euro pallets

Product data: 27.10.2026

Conversion specification

Base vehicle: panel van, front-wheel drive, X250 platform, sliding door on the right, battery electric (BEV)

The Kerstner chilled goods conversion for the Peugeot Boxer combines the highest insulation performance with consistent practicality – developed and manufactured for everyday use in food and chilled goods transport.

The conversion achieves a K coefficient of below 0.4 W/m²K and is classified as “heavily insulated” under ATP requirements. This is made possible by the seamless connection of all insulation elements – including at the sliding door – without gaps or thermal bridges.

The electric refrigeration system reliably maintains the temperature range from +20 °C to -20 °C throughout the journey.

The polyurethane insulation components are water-repellent, antibacterial and impact-resistant, and meet the requirements of the ATP and HACCP guidelines. The easy-to-clean surface reduces the effort required to maintain hygiene in day-to-day operation.

Thanks to its computer-optimised fit, the conversion provides a usable load volume of 7.7 - 9.7 m³ with unobstructed clearance between the wheel arches, suitable for loading Euro pallets.

Variants and load space

L2H2 (7.7m3)

front-wheel drive, 2,800 mm

Wheelbase	3,450 mm
Load compartment length	2,800 mm
Width between wheel arches	1,260 mm
Upper width	1,620 mm
Interior height	1,690 mm
Evaporator height	100 mm
Load volume	7,7 m³
Euro pallets	3-4
Compatible refrigeration units	Thermo King E400e max 50 / Thermo King E500e max 50

L3H2 (9.7m3)

front-wheel drive, 3,390 mm

Wheelbase	4,035 mm
Load compartment length	3,390 mm
Width between wheel arches	1,260 mm
Upper width	1,620 mm

Interior height	1,690 mm
Evaporator height	100 mm
Load volume	9,7 m³
Euro pallets	4-5
Compatible refrigeration units	Thermo King E400e max 50 / Thermo King E500e max 50

Refrigeration

Temperature range: on request

Thermo King E400e max 50

External · Stationary refrigeration: included

- ES300 evaporator

- Stationary refrigeration

- Heating

Required equipment: heavy-duty battery (at least 90 Ah) and alternator (200 A)

Application: chilled and frozen goods transport

Type: roof-mounted unit

Refrigeration capacity: 1,751 Watt at -20 °C

Operating voltage: 400 V

Max. current draw: 452 A

Airflow: 1,654 m³/h

Refrigerant: R452a

Installation height: +273 mm

Note: - Effective refrigeration capacity at an ambient temperature of 30 °C under ATP conditions: 3,481 Watt at 0 °C, 1,751 Watt at -20 °C - Heating capacity: 1,600 Watt at +18 °C / -18 °C ambient temperature

Thermo King E500e max 50

External · Stationary refrigeration: included

- ES500 evaporator

- Stationary refrigeration

- Heating

Required equipment: heavy-duty battery (at least 90 Ah) and alternator (200 A)

Application: chilled and frozen goods transport

Type: roof-mounted unit

Refrigeration capacity: 2,407 Watt at -20 °C

Operating voltage: 400 V

Max. current draw: 452 A

Airflow: 2,657 m³/h

Refrigerant: R452a

Installation height: +273 mm

Note: - Effective refrigeration capacity at an ambient temperature of 30 °C under ATP conditions: 4,504 Watt at 0 °C, 2,407 Watt at -20 °C - Heating capacity: 2,209 Watt at +18 °C / -18 °C ambient temperature

Standard equipment

• Kerstner easyfit insulation (K coefficient =0.37)

• Electric refrigeration system

• PU floor with water-retaining sill at the sliding door

• Aluminium impact protection (approx. 20 cm high) on the left, right (except sliding door) and front wall

• Horizontal half-round lashing rails above the wheel arches on the left and right

• LED interior light + emergency release

Vehicle codes

Required codes

• PX0 – Full bulkhead without window

• JI01 – Converter package

• LL01/LL02 – Double rear doors without rear windows, with 260° hinges

• Right sliding door, solid panel without window – standard –

• WM06 – Double passenger bench seat

• ePTO 400 V

Excluded codes

• GB33/GB34/GB35 – Load floor/side linings

• JO01 – Overhead storage above windscreen

• PC12/PC13 – Left sliding door

• Construction site packages/cargo packages

Equipment and accessories

Required accessories

TÜV assessment / Stage II certificate of conformity (COC)

Required accessories · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Required for submission at registration Quantity: Default 1, Minimum 1 piece

Optional accessories

Aluminium floor panel L2

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50

Quantity: Default 1, Minimum 1 piece

Aluminium floor panel L3

Optional · Suitable for: L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Quantity: Default 1, Minimum 1 piece

Non-slip load floor mat L2

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50

Quantity: Default 1, Minimum 1 piece

Non-slip load floor mat L3

Optional · Suitable for: L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Quantity: Default 1, Minimum 1 piece

Non-slip mat for shelf

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Quantity: Default 1, Minimum 1 piece

Shelf set I (1 shelf)

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Quantity: Default 1, Minimum 1 piece

Shelf set II (2 shelves one above the other)

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Quantity: Default 1, Minimum 1 piece

PVC strip curtain for the rear opening

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Quantity: Default 1, Minimum 1 piece

PVC strip curtain for the sliding door

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Quantity: Default 1, Minimum 1 piece

Additional horizontal lashing rails on the left and right L2

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50

Quantity: Default 1, Minimum 1 piece

Additional horizontal lashing rails on the left and right L3

Optional · Suitable for: L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Quantity: Default 1, Minimum 1 piece

Front-wall lashing rail

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Quantity: Default 1, Minimum 1 piece

ATP certificate FRAX

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Quantity: Default 1, Minimum 1 piece

ATP certificate FRCX

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Quantity: Default 1, Minimum 1 piece

Partition in load compartment for multi-compartment solution

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Increased door-closing forces: Installing a partition increases the force required to close the doors and can lead to increased sliding-door wear over time. Please also note: If a fixed multi-compartment partition without a passage is installed in the load compartment, the German employers' liability insurance association (BG) rules require a step at the sliding door, because the partition removes access to the front compartment through the rear doors. According to the BG, the customer may not enter the front compartment without a step and may only load and unload it from outside. Quantity: Default 1, Minimum 1 piece

Telescopic load restraint bar, 1 piece

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Transsafe load restraint bar, universally usable in all Airline rails Quantity: Default 1, Minimum 1 piece

Telescopic load restraint bar package, 2 pieces

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Transsafe load restraint bar, universally usable in all Airline rails Quantity: Default 1, Minimum 1 piece

Lashing strap package (2 straps)

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Quantity: Default 1, Minimum 1 piece

DIN slot supplied by Kerstner if not fitted at the factory

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Position chosen at Kerstner’s discretion according to available cab space

Thermo King Touchlog Premium temperature recorder

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

Blue Box Lite including installation

Optional · Suitable for: L2H2 (7.7m3) / Thermo King E400e max 50; L2H2 (7.7m3) / Thermo King E500e max 50; L3H2 (9.7m3) / Thermo King E400e max 50; L3H2 (9.7m3) / Thermo King E500e max 50

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