Vehicle data sheet · Mercedes-Benz

Mercedes-Benz Vito VS20 – Frozen goods

Frozen transport · Electric refrigeration



Brand	**Mercedes-Benz**
Model	**Vito VS20 for frozen goods**

2

Euro pallets

Product data: 27.10.2026

Conversion specification

Base vehicle: closed panel van, low roof, sliding door on the right or on both sides, hinged rear doors or tailgate

Delivery code: AHKA0

The Kerstner frozen goods conversion for the Mercedes-Benz Vito 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 0 °C to -20 °C throughout the entire journey with a maximum of one door opening per hour.

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 4.5-5 m³ with unobstructed clearance between the wheel arches, suitable for loading Euro pallets.

Variants and load space

long 3200L tailgate

Front-wheel / rear-wheel / all-wheel drive

Wheelbase	3,200 mm
Load compartment length	2,230 mm
Width between wheel arches	1,210 mm
Upper width	1,380 mm
Interior height	1,115 mm
Evaporator height	100 mm
E2 crates	50
Euro pallets	2

Compatible refrigeration units	Thermo King E200e max 50

long 3200L hinged rear doors

Front-wheel / rear-wheel / all-wheel drive

Wheelbase	3,200 mm
Load compartment length	2,230 mm
Width between wheel arches	1,210 mm
Upper width	1,380 mm
Interior height	1,115 mm
Evaporator height	100 mm
E2 crates	50
Euro pallets	2
Compatible refrigeration units	Thermo King E200e max 50

Refrigeration

Temperature range: on request

Thermo King E200e max 50

External · Stationary refrigeration: included

- Fully electric transport refrigeration unit for cooling and heating, 12 V

- Ultra-flat ES150 evaporator

- Split unit for roof installation

- Refrigeration while driving, 12 V; the compressor is electrically driven at 12 V DC

- Mains operation via a 230 V/1PH CEE connection (L+N+PE-6h connector), cable available as an option

- In-cab remote control with digital thermometer

The remote control and temperature recorder are installed in the existing available DIN slot. Otherwise, they are installed at a location we consider suitable. Subsequent changes can be made and will be charged according to the work required.

- Automatic hot-gas defrost

- Electric thermostat

Application: chilled and frozen goods transport

Type: roof-mounted unit

Refrigeration capacity: 1,050 Watt at -20 °C

Operating voltage: 12 V

Max. current draw: 132 A

Airflow: 1,150 m³/h

Refrigerant: R452a

Installation height: +187 mm

Note: - Effective refrigeration capacity at an ambient temperature of 30 °C under ATP conditions: 2,000 Watt at 0 °C, 1,050 Watt at -20 °C - Heating capacity: 2,000 Watt at +18 °C / -18 °C ambient temperature

Standard equipment

• Kerstner insulation (K coefficient = 0.33)

• Electric refrigeration system

• Aluminium floor panel with all-round aluminium impact protection

• All-round drainage channel with 2 water drains

• Lashing rails on the right, left and front wall (wheelbase 3430: 2x additional upper lashing rails)

• LED interior light

• Reinforced tailgate struts for versions with a tailgate

Vehicle codes

Required codes

• D50 – Full bulkhead

• E28 – Additional battery for retrofitted electrical equipment

• ED4 – AGM battery 95AH

• ED5 – Parameterisable special module

• EK1 – Terminal strip for electrical connection

• FF2 – Additional DIN slot requested for temperature recorder

• M60 – Alternator 14 V / 250 A (rear-wheel/all-wheel drive)

• V96 – Load compartment lining deletion

• X30 – Complete vehicle registration document, Part II

• Z41 – Registration as a goods vehicle

Excluded codes

• FY1 – Anti-theft package

• LC2 – LED strip in the load compartment – can be removed –

• RR6 – Spare wheel with jack

• V43 – Wooden floor

• VA2 – Load compartment lining up to roof height (wood)

• W16 – Fixed front left window in side wall/sliding door

• W17 – Fixed front right window in side wall/sliding door

• W29 – Fixed rear window

• W78 – Window in tailgate/rear door with wiper and washer

Equipment and accessories

Required accessories

Parameter configuration

Required accessories · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

TÜV assessment / Stage II certificate of conformity (COC)

Required accessories · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

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

Optional accessories

ATP certificate FRCX

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

PVC strip curtain for the rear opening

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

PVC strip curtain for the sliding door

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Shelf

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Shelf set – 2 shelves

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Telescopic load restraint bar, 1 piece

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Telescopic load restraint bars (set of 2)

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Lashing strap package (2 straps)

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Non-slip load floor mat

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Non-slip mat for shelf

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Lashing rail set around the upper level, RA 3200

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Surcharge for 2nd sliding door

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

We additionally recommend using PVC curtains Quantity: Default 1, Minimum 1 piece

Telescopic load restraint bar, 1 piece

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e 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: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e 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: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

DIN slot supplied by Kerstner if not fitted at the factory

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

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

Thermo King Touchlog Premium temperature recorder

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

Blue Box Lite including installation

Optional · Suitable for: long 3200L tailgate / Thermo King E200e max 50; long 3200L hinged rear doors / Thermo King E200e max 50

Kerstner GmbH
Werner-von-Siemens-Straße 9
68649 Groß-Rohrheim

+49 6245 90770-0
info@kerstner.de
www.kerstner.de