Vehicle data sheet · Mercedes-Benz

Mercedes-Benz eSprinter deep-freeze electric

Frozen transport · Electric refrigeration



Brand	**Mercedes-Benz**
Model	**eSprinter deep-freeze electric**

8,4 m³ / 11,2 m³
Load volume

3 / 5
Euro pallets

Product data: 27.10.2026

Conversion specification

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

Delivery code: AHKA0

The Kerstner deep-freeze conversion for the Mercedes-Benz eSprinter combines top-level insulated lining performance with consistent practical suitability – developed and manufactured for daily use in the food and fresh delivery sector.

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 unit reliably maintains the temperature range from -20 °C to +20 °C throughout the entire 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 8.7 - 11.2 m³ with unobstructed clearance between the wheel arches, suitable for loading Euro pallets.

Variants and load space

VS30 medium high roof rear-wheel drive

Model designation 907

Wheelbase	3,665 mm
Load compartment length	3,168 mm
Width between wheel arches	1,252 mm
Upper width	1,625 mm
Interior height	1,755 mm
Evaporator height	100 mm
Load volume	8,4 m³
E2 crates	120
Euro pallets	3
Compatible refrigeration units	Thermo King E200e max 50

VS30 long high roof rear-wheel drive

Model designation 907

Wheelbase	4,325 mm
Load compartment length	4,200 mm
Width between wheel arches	1,252 mm

Upper width	1,625 mm
Interior height	1,755 mm
Evaporator height	100 mm
Load volume	11,2 m³
E2 crates	156
Euro pallets	5
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 easyfit insulation (K coefficient <0.4)

• Refrigeration system for refrigeration while driving

• Polyester floor tray with water-retaining sill at the sliding door

• Horizontal half-round lashing rails at a height of approx. 40cm

• LED interior light

• 2x emergency release

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

Vehicle codes

Required codes

• CB7/CB8 – Stabilisation stage I or stage II

• D03 – high roof

• D50 – Full bulkhead

• EK1 – Terminal strip for electrical connection

• E2C – ePTO electric power take-off 3.5 kw 12 V

• P93 – Lashing eye deletion

• S23 – Two-person passenger seat

• T12 – Sliding door with hold-open device

• T16 – Right sliding door

• V93 – Wooden floor deletion – floor can be removed on request

• Z2N – N2 registration required

• FF8 – 1-DIN slot at the front below the headlining – required for temperature recorder –

• Towbar possible

• X14 – Gross weight variant 4150 kg or higher

Excluded codes

• H72 – Electric roof fan II

• T55 – Electric operation for sliding door

• R87 – Spare wheel

Recommended codes

• T50 – Electric closing aid for right sliding door

Equipment and accessories

Required accessories

Aluminium chequer-plate floor panel RA 3665

Required accessories · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Aluminium chequer-plate floor panel RA 4325

Required accessories · Suitable for: VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

TÜV assessment / Stage II certificate of conformity (COC)

Required accessories · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

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

Optional accessories

Additional lashing rails at a custom height of 40-120cm RA 3665

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Lashing rail on front wall

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Non-slip load floor mat RA 3665

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Non-slip mat for shelving

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

PVC strip curtain for the rear opening

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

PVC strip curtain for the sliding door

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Shelf set I (1x shelf, 4x lashing rails)

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Shelf set II (2x shelves, 4x lashing rails, fitted one above the other)

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Additional lashing rail set for fitting shelves one behind the other

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Additional LED load compartment light

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

ATP FRC

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Additional lashing rails at a custom height of 40-120cm RA 4325

Optional · Suitable for: VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Non-slip load floor mat RA 4325

Optional · Suitable for: VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Quantity: Default 1, Minimum 1 piece

Bär VanLift FreeAccess A2V

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Platform dimensions: 1,830 mm (height) x 1,330 mm*** (width) Load capacity: 600 kg Load centre: 600 mm Vertically folded platform, stowed behind the left rear door. Bär SmartControl Basic handheld remote control. Includes two-part VanBridge. It creates a seamless transition between the platform and load floor via an unloaded rubber hinge. Ribbed surface for secure footing. Can be locked upright in the load compartment while driving. Includes two-part roll stops for roll containers, opening angle approx. 90 degrees. Includes foot switch unit, LED warning lights, warning flags, registration plate light and number plate lights on the platform, activation from the cab. Includes platform rear surface powder-coated in RAL 9006 White aluminium. Anodised edge profile. Includes 2-year warranty. With a tail lift, only a roof-mounted refrigeration unit is possible! Quantity: default 1, minimum 1 piece

Emergency operation

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Detachable towball coupling complete with ball, D-value 21 kN

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Partition in load compartment for multi-compartment solution

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e 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

Mobile Storrwall partition

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

With folding panels for positioning in front of/above the wheel arches Quantity: default 1, minimum 1 piece

12 Volt axial fan, thermostat-controlled, including socket and spiral cable

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Transverse mesh shelf, 1 level, Sprinter 3665

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50

Transverse, removable mesh shelf across the full vehicle width, from the rear opening to the sliding door. It is installed at a fixed height defined by the specified height dimension. Quantity: Default 1, Minimum 1, Maximum 2 piece

Transverse mesh shelf, 1 level, Sprinter 4325

Optional · Suitable for: VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Transverse, removable mesh shelf across the full vehicle width, from the rear opening to the sliding door. It is installed at a fixed height defined by the specified height dimension. Quantity: Default 1, Minimum 1 piece

Telescopic load restraint bar, 1 piece

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / 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: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / 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: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / 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: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / 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: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

Blue Box Lite including installation

Optional · Suitable for: VS30 medium high roof rear-wheel drive / Thermo King E200e max 50; VS30 long high roof rear-wheel drive / Thermo King E200e max 50

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