

Vehicle data sheet · Renault

Renault Master · Chilled transport with belt drive

Chilled transport · Belt drive



Brand **Renault**

Model **Master**

7,0 m³ / 8,5 m³

Load volume

3-4 / 4-5

Euro pallets

Product data: 12.10.2026

Conversion specification

Base vehicle: panel van, front-wheel drive, sliding door on the right, internal combustion engine (ICE)

Delivery code: 17030

The Kerstner chilled goods conversion for the Renault Master 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 engine-driven refrigeration system reliably maintains the temperature range from 0 °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 - 8.5 m³ with unobstructed clearance between the wheel arches, suitable for loading Euro pallets.

Variants and load space

L2H2 (7.0m³)

front-wheel drive, 3,583 mm

Wheelbase	3,583 mm
Load compartment length	2,850 mm
Width between wheel arches	1,270 mm
Upper width	1,650 mm
Interior height	1,630 mm
Evaporator height	100 mm
Load volume	7,0 m³
Euro pallets	3-4
Compatible refrigeration units	CoolJet C206RA / Thermo King V300-20 / Thermo King V200 max 50 / Thermo King V200 max 20

L3H2 (8.5m³)

front-wheel drive, 4,213 mm

Wheelbase	4,213 mm
Load compartment length	3,480 mm
Width between wheel arches	1,270 mm
Upper width	1,650 mm

Interior height	1,690 mm
Evaporator height	100 mm
Load volume	8,5 m ³
Euro pallets	4-5
Compatible refrigeration units	CoolJet C206RA / Thermo King V300-20 / Thermo King V200 max 50 / Thermo King V200 max 20

Refrigeration

Temperature range: on request

CoolJet C206RA

Roof-mounted · Stationary refrigeration: optional

Application: chilled goods transport

Type: roof-mounted unit

Refrigeration capacity: max. 3,157 W at 0 °C

Operating voltage: 12 V

Max. current draw: 24 A

Airflow: 1,120 m³/h

Refrigerant: R134a

Installation height: +250 mm

Thermo King V300-20

Roof-mounted · Stationary refrigeration: included

- Engine-driven transport refrigeration unit for cooling
- Split unit for installation on the front wall above the cab
- Refrigeration while driving, 12 V (driven by the vehicle engine), and 220 V electric motor
- Ultra-flat ES 300 evaporator with 2 fans, airflow 1,400 m³/h
- Manual defrost or automatic timer-controlled defrost
- In-cab remote control with temperature display

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.

- DSR controller – Smart Reefer

- Effective refrigeration capacity at an ambient temperature of 30 °C under ATP conditions:

2,965 Watt at 0 °C

Application: chilled goods transport

Type: roof-mounted unit

Refrigeration capacity: 2965 at 0 °C

Operating voltage: 12 V

Max. current draw: 134 A

Airflow: 2,033 m³/h

Refrigerant: R134a

Installation height: +222 mm

Thermo King V200 max 50

External · Stationary refrigeration: included

- Split refrigeration unit for installation on the front wall or roof

- Ultra-flat ES 200 evaporator with 2 fans, airflow 1,070 m³/h

- In-transit cooling at 12 V (driven by the vehicle engine) and 230 V electric motor

- Manual defrost or automatic timer-controlled defrost

- In-cab remote control with temperature display

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.

- DSR controller – Smart Reefer

- Effective refrigeration capacity at an ambient temperature of 30 °C under ATP conditions:

2,710 W at 0 °C

1,560 W at -20 °C

1,190 W at -25 °C

- Heating capacity approx. 2,400 W

945 W at -20 °C

- R452A refrigerant: particularly environmentally friendly – 50% lower CO² impact; complies with legal requirements from 2020

Application: chilled and frozen goods transport

Type: roof-mounted

Cooling capacity: 2,710 W at 0 °C

Operating voltage: 12 V

Max. current draw: 452 A

Air flow: 1,070 m³/h

Refrigerant: R452A

Installation height: +221 mm

Note: & roof

Thermo King V200 max 20

External · Stationary refrigeration: included

- Split refrigeration unit for installation on the front wall or roof
- Ultra-flat ES 200 evaporator with 2 fans, airflow 1,070 m³/h
- In-transit cooling at 12 V (driven by the vehicle engine) and 230 V electric motor
- Manual defrost or automatic timer-controlled defrost
- In-cab remote control with temperature display

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.

- DSR controller – Smart Reefer
- Effective refrigeration capacity at an ambient temperature of 30 °C under ATP conditions:

2,710 W at 0 °C

1,560 W at -20 °C

1,190 W at -25 °C

- R452A refrigerant: particularly environmentally friendly – 50% lower CO² impact; complies with legal requirements from 2020

Application: chilled and frozen goods transport

Type: roof-mounted

Cooling capacity: 2,710 W at 0 °C

Operating voltage: 12 V

Max. current draw: 452 A

Air flow: 1,070 m³/h

Refrigerant: R452A

Installation height: +221 mm

Note: & roof

Standard equipment

- Kerstner easyfit insulation (K coefficient =0.37)
- Engine-driven refrigeration system for refrigeration while driving and stationary
- PU floor with anti-slip coating and 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 for rear doors
- 2 water drains

Vehicle codes

Required codes

- RFBT – Heavy-duty battery
- EMRD4 – Conversion criterion 4
- WIADA – 2-pole electrical interface for conversions, 12 V-24A each
- PWTKE – For manual transmission: engine power take-off (not for automatic transmission)

Excluded codes

- TWBPW – Towbar – for underfloor unit
- SPTYO – Spare wheel – for underfloor unit
- PCU.. – Load compartment protection packages
- PCK40 – Complete POLYPRO load compartment protection package
- RRWFL – Wooden floor in load compartment
- ICTF3 – Polypropylene side lining
- LSLNW – Left sliding door

Equipment and accessories

Required accessories

Partially recessed roof unit

Required accessories · Suitable for: L2H2 (7.0m³) / CoolJet C206RA; L2H2 (7.0m³) / Thermo King V300-20; L2H2 (7.0m³) / Thermo King V200 max 50; L2H2 (7.0m³) / Thermo King V200 max 20; L3H2 (8.5m³) / CoolJet C206RA; L3H2 (8.5m³) / Thermo King V300-20; L3H2 (8.5m³) / Thermo King V200 max 50; L3H2 (8.5m³) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

TÜV assessment / Stage II certificate of conformity (COC)

Required accessories · Suitable for: L2H2 (7.0m³) / CoolJet C206RA; L2H2 (7.0m³) / Thermo King V300-20; L2H2 (7.0m³) / Thermo King V200 max 50; L2H2 (7.0m³) / Thermo King V200 max 20; L3H2 (8.5m³) / CoolJet C206RA; L3H2 (8.5m³) / Thermo King V300-20; L3H2 (8.5m³) / Thermo King V200 max 50; L3H2 (8.5m³) / Thermo King V200 max 20

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

Optional accessories

Aluminium floor panel L2

Optional · Suitable for: L2H2 (7.0m³) / CoolJet C206RA; L2H2 (7.0m³) / Thermo King V300-20; L2H2 (7.0m³) / Thermo King V200 max 50; L2H2 (7.0m³) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

Aluminium floor panel L3

Optional · Suitable for: L3H2 (8.5m3) / CoolJet C206RA; L3H2 (8.5m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V200 max 50; L3H2 (8.5m3) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

Non-slip load floor mat L2

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L2H2 (7.0m3) / Thermo King V300-20; L2H2 (7.0m3) / Thermo King V200 max 50; L2H2 (7.0m3) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

Non-slip load floor mat L3

Optional · Suitable for: L3H2 (8.5m3) / CoolJet C206RA; L3H2 (8.5m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V200 max 50; L3H2 (8.5m3) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

Non-slip mat for shelf

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L2H2 (7.0m3) / Thermo King V300-20; L2H2 (7.0m3) / Thermo King V200 max 50; L2H2 (7.0m3) / Thermo King V200 max 20; L3H2 (8.5m3) / CoolJet C206RA; L3H2 (8.5m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V200 max 50; L3H2 (8.5m3) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

Shelf set I (1 shelf)

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L2H2 (7.0m3) / Thermo King V300-20; L2H2 (7.0m3) / Thermo King V200 max 50; L2H2 (7.0m3) / Thermo King V200 max 20; L3H2 (8.5m3) / CoolJet C206RA; L3H2 (8.5m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V200 max 50; L3H2 (8.5m3) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

Shelf set II (2 shelves one above the other)

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L2H2 (7.0m3) / Thermo King V300-20; L2H2 (7.0m3) / Thermo King V200 max 50; L2H2 (7.0m3) / Thermo King V200 max 20; L3H2 (8.5m3) / CoolJet C206RA; L3H2 (8.5m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V200 max 50; L3H2 (8.5m3) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

PVC strip curtain for the rear opening

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L2H2 (7.0m3) / Thermo King V300-20; L2H2 (7.0m3) / Thermo King V200 max 50; L2H2 (7.0m3) / Thermo King V200 max 20; L3H2 (8.5m3) / CoolJet C206RA; L3H2 (8.5m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V200 max 50; L3H2 (8.5m3) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

PVC strip curtain for the sliding door

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L2H2 (7.0m3) / Thermo King V300-20; L2H2 (7.0m3) / Thermo King V200 max 50; L2H2 (7.0m3) / Thermo King V200 max 20; L3H2 (8.5m3) / CoolJet C206RA; L3H2 (8.5m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V200 max 50; L3H2 (8.5m3) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

Additional horizontal lashing rails on the left and right L2

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L2H2 (7.0m3) / Thermo King V300-20; L2H2 (7.0m3) / Thermo King V200 max 50; L2H2 (7.0m3) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

Additional horizontal lashing rails on the left and right L3

Optional · Suitable for: L3H2 (8.5m3) / CoolJet C206RA; L3H2 (8.5m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V200 max 50; L3H2 (8.5m3) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

Front-wall lashing rail

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L2H2 (7.0m3) / Thermo King V300-20; L2H2 (7.0m3) / Thermo King V200 max 50; L2H2 (7.0m3) / Thermo King V200 max 20; L3H2 (8.5m3) / CoolJet C206RA; L3H2 (8.5m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V200 max 50; L3H2 (8.5m3) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

ATP certificate FRAX

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L2H2 (7.0m3) / Thermo King V300-20; L2H2 (7.0m3) / Thermo King V200 max 50; L2H2 (7.0m3) / Thermo King V200 max 20; L3H2 (8.5m3) / CoolJet C206RA; L3H2 (8.5m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V200 max 50; L3H2 (8.5m3) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

Surcharge for automatic transmission

Optional · Suitable for: L2H2 (7.0m3) / Thermo King V300-20; L2H2 (7.0m3) / Thermo King V200 max 50; L2H2 (7.0m3) / Thermo King V200 max 20; L3H2 (8.5m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V200 max 50; L3H2 (8.5m3) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

Partition in load compartment for multi-compartment solution

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L2H2 (7.0m3) / Thermo King V300-20; L2H2 (7.0m3) / Thermo King V200 max 50; L2H2 (7.0m3) / Thermo King V200 max 20; L3H2 (8.5m3) / CoolJet C206RA; L3H2 (8.5m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V200 max 50; L3H2 (8.5m3) / Thermo King V200 max 20

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 (7.0m3) / CoolJet C206RA; L2H2 (7.0m3) / Thermo King V300-20; L2H2 (7.0m3) / Thermo King V200 max 50; L2H2 (7.0m3) / Thermo King V200 max 20; L3H2 (8.5m3) / CoolJet C206RA; L3H2 (8.5m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V200 max 50; L3H2 (8.5m3) / Thermo King V200 max 20

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 (7.0m3) / CoolJet C206RA; L2H2 (7.0m3) / Thermo King V300-20; L2H2 (7.0m3) / Thermo King V200 max 50; L2H2 (7.0m3) / Thermo King V200 max 20; L3H2 (8.5m3) / CoolJet C206RA; L3H2 (8.5m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V200 max 50; L3H2 (8.5m3) / Thermo King V200 max 20

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 (7.0m3) / CoolJet C206RA; L2H2 (7.0m3) / Thermo King V300-20; L2H2 (7.0m3) / Thermo King V200 max 50; L2H2 (7.0m3) / Thermo King V200 max 20; L3H2 (8.5m3) / CoolJet C206RA; L3H2 (8.5m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V200 max 50; L3H2 (8.5m3) / Thermo King V200 max 20

Quantity: Default 1, Minimum 1 piece

Euroscan RX3 temperature recorder with 2 sensors (available DIN slot required)

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L3H2 (8.5m3) / CoolJet C206RA

The Euroscan RX3 is the proven solution for installation in the cab's DIN radio slot. It is ideal for vehicles requiring a compact, robust system with an integrated printer. DIN slot format — easy installation without requiring additional space. Thermal transfer printer — maintenance-free and directly accessible to the driver. Up to 6 analogue probes — reliable sensing for established applications. Optional ColdChainView — integration via an external module. Technical specifications: Installation format: DIN radio slot (cab). Analogue probes: up to 6. Digital inputs: 4. Interfaces: 2× RS-232 · 1× CAN · 1× digital output. Printer: thermal transfer (maintenance-free). Communication: GSM / GPS via an external module (optional). Protection rating: IP20. Dimensions: 186 × 58 × 150 mm. Operating temperature: -30 °C to +70 °C. Certification: EN 12830:2018 · GAMP5 · GDP · HACCP · CE.

Euroscan RT8 RX 4G LTE temperature recorder with 2 sensors (available DIN slot required)

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L3H2 (8.5m3) / CoolJet C206RA

DIN slot supplied by Kerstner if not fitted at the factory

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L2H2 (7.0m3) / Thermo King V300-20; L3H2 (8.5m3) / CoolJet C206RA; L3H2 (8.5m3) / Thermo King V300-20

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

Thermo King Touchlog Premium temperature recorder

Optional · Suitable for: L2H2 (7.0m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V300-20

Blue Box Lite

Optional · Suitable for: L2H2 (7.0m3) / Thermo King V300-20; L3H2 (8.5m3) / Thermo King V300-20

Refrigeration unit cover painted in vehicle colour – solid –

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L3H2 (8.5m3) / CoolJet C206RA

Refrigeration unit cover painted in vehicle colour – metallic –

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L3H2 (8.5m3) / CoolJet C206RA

230 V standby cooling, chilled transport variant

Optional · Suitable for: L2H2 (7.0m3) / CoolJet C206RA; L3H2 (8.5m3) / CoolJet C206RA

Including external socket and 8m connecting cable

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