

# 3-axle refrigerated box-body semitrailer



## Product benefits

- Freezer box in GRP sandwich construction, tested according to FRC
- Lightweight construction offering a payload advantage of up 800 kg
- Stacker-bearing sanded floor and side-mounted aluminium skirting
- Installation of axles from well-known manufacturers such as SAF, BPW or JOST
- OPTIONAL: Multi-chamber freezer box with adjustable partition and multi-temperature cooling unit
- OPTIONAL: Meat box with 5 aluminium tube tracks
- OPTIONAL: Height-adjustable twin-level loading system for 33 EURO pallets
- OPTIONAL: 2 air ducts = air distribution system
- OPTIONAL: Models for fresh food or flower transport
- OPTIONAL: Combination lashing rails recessed in side walls
- OPTIONAL: Quiet running aluminium floor welded flush with skirting
- OPTIONAL: TIR ventilation flaps

## Product details

### Type designation:

3-AXLE REFRIGERATED BOX-BODY SEMITRAILER

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### WEIGHTS

Gross train weight (perm.): 40 t

Gross weight (techn.): 39 t

Axle assembly load (techn.): 27 t

Fifth-wheel load (techn.): 12 t

Tare weight: approx. 7.7 t

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### DIMENSIONS

Box internal length: approx. 13,345 mm

Box internal width: approx. 2,460 mm

Box internal height: approx. 2,650 mm

Total width: max. 2,600 mm

Loading height: approx. 190 mm over fifth-wheel height

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### FRAME

Lightweight welded steel construction with low frame neck  
for self-supporting refrigeration box

Replaceable 2" kingpin (EC installation dimension, width across corners: 2,040 mm)

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### CHASSIS

Air suspension with lifting and lowering device (approx. +120/-80 mm)

Automatic adjustment of driving level from 15 km/h

air suspension unit with low-maintenance 430 mm disc brake axles

3 x 9 t rigid, wheelbase 2 x 1,310 mm

Tyres :

6 x 385/65 R 22.5 160J, manufacturer as per factory specifications

6 steel wheel rims 11.75 x 22.5, 10-hole, 120 mm rim offset, silver

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### SUPPORT FIXTURES

Mechan. 2 x 12 t support jacks, single-sided operation and thrust compensation, manufacturer as per factory specifications

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## **BRAKE SYSTEM**

Brake system according to EC Directive 71/320 or E CE R13

Two-line brake

EBS - electronic brake system

Knorr 2S2M = one axle sensed

RSS - stability program

Spring-loaded parking brake on 2 axles

Steel air tank

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## **BOX BODY - "SOR" REFRIGERATED MODEL**

Side wall thickness: approx. 60 mm

Front wall thickness: approx. 105 mm

Rear door thickness: approx. 90 mm

Roof thickness: approx. 80 mm

Floor thickness: approx. 125 mm

ATP-tested according to FRC - K-value less than 0.4 W

All-plastic box in sandwich construction (GRP inner and outer shell with PU foam insulation, CFC-free, thermal bridge-free and vapour diffusion-resistant)

Body coloured white, similar to RAL 9010

Reinforced front wall for installation of cooling unit with air circulation ducts inside

Stacker-bearing floor construction with sanded grey surface and approx. 5 00 mm aluminium panel covering at rear,

Lateral aluminium skirting, approx. 250 mm high

Rear portal frame with fully opening double door, each leaf equipped with 1 external espagnolette and lateral door stays, with customs sealing

Frame and door fittings in blank stainless steel

TIR certification

Vertical and horizontal rubber buffers at rear

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## **COOLING UNIT AND TEMPERATURE RECORDING**

Carrier Maxima 1300 with diesel engine (other options available at additional charge) , provided as standard,

incl. electronic start/stop system,  
fuel tank, installation, commissioning and test operation  
Electr. "Euroscan" temperature recording with integrated printer on front wall

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## **ELECTRICAL EQUIPMENT**

24 V lighting system according to EC Directive 76/756/ EWG  
2 seven-chamber tail lights in underride protection  
LED side marker lights  
3 LED Box lighting with recessed interior roof lights incl.  
switch on outside front left  
4 front LED clearance lamps (2 at top + 2 at bottom)  
2 rear LED clearance lamps (2 at top)  
2 contour lights on underride protection  
2 x 7-pin and 1 x 15-pin socket

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## **PAINTWORK**

Blasted with steel granulate, treated with zinc dust primer and spray painted 2-component acrylic paints for commercial vehicles (standard RAL or truck colour)

RAL 7021 black-grey = complete chassis

Plastic and hot-dip galvanised parts unpainted,  
powder-coated attachments/installation parts black

Reflective contour marking strips across entire length of sides and all-round contour marking at rear (white on sides and red at rear by default), according to ECE 48

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## **ACCESSORIES**

Rear markings as per ECE standards (horizontal on rear doors/rear wall)

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## **ATTACHMENTS**

Wheel chock(s) as per regulations  
1 x retractable step unit at rear right  
Single wheel plastic mudguards with spray protection as per regulations  
Aluminium underride protection, coated white  
Sealed steel pallet box for 36 Euro pallets with partition and door on both sides, black coated/hot-dip galvanised, also acts as side impact protection

1 spare wheel bracket for 1 spare wheel  
1 plastic toolbox, lockable, unpainted

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## Product impressions







