

# Globebus Camp Low Profile



The Globebus Camp is the compact Low Profile model series on a Fiat Ducato chassis. With a width of just 220 cm and a length starting at 599 cm, it combines the compact dimensions of a camper van with the comfort and freedom of movement of a classic motorhome. Thanks to the excellent insulation of the habitation and various winter options, the Globebus Camp is the perfect travelling companion all year round.

## Technical info

Overall length, approx.	599 - 663 cm
Overall width, approx.	220 cm
Overall height, approx.	273 cm
Headroom in living area, approx.	190 cm

Maximum values partly not possible for all models or only in connection with certain options.

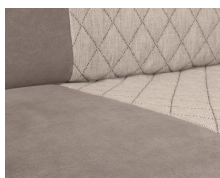
## Upholstery



+ Upholstery Calypso  
incl. driver and  
passenger seat cover



+ Upholstery Salerno  
incl. driver and  
passenger seat cover  
○



+ Upholstery Jupiter  
○

## Wood décor



+ Wood décor Noce Nagano

○ optionally available

## Plus factors

- + Agile and safe handling thanks to compact van dimensions with an external width of just 2.20 m and an external height of 2.69 m
- + Opening window in the cab bonnet
- + Proven Lifetime body construction with GRP outer skin and excellent insulation. There is a special Winter Comfort Package for winter campers
- + Pleasant sleeping comfort thanks to 150 mm thick 7-zone cold foam mattresses made of climate-regulating material and ergonomic wooden slatted frames
- + Electrically operated compressor refrigerator with perfect cooling performance
- + Diesel heater with 6 kW heat output and 10 litre hot water boiler
- + Extensive standard chassis equipment with 16" aluminium rims, fog lights, 90 l diesel tank, leather steering wheel with controls, etc.
- + 10-year tightness guarantee!



# Globebus Camp Low Profile

## Technical info



Globebus Camp Low Profile		T 1	T 4
Standard chassis		Fiat Ducato Light Low Platform	Fiat Ducato Light Low Platform
Standard engine		140 Multijet 3	140 Multijet 3
kW (bhp)		103 (140)	103 (140)
Emission standards		Euro 6e/6e-bis	Euro 6e/6e-bis
Overall length, approx.	cm	599	663
Overall width, approx.	cm	220	220
Overall height, approx.	cm	273 <sup>1)</sup>	273 <sup>1)</sup>
Headroom in living area, approx.	cm	190	190
Towable load braked/unbraked	kg	2000 / 750	2000 / 750
Wheelbase, approx.	mm	3450	3800
Bed dimension: Central / middle bed, L X W, approx.	cm	155 x 94 - 78 ○	155 x 94 - 78 ○
Bed dimension: Rear bed, L x W, approx.	cm	199 x 140	201 x 80 / 192 x 75 / 198 x 160 ○
Sleeping berths standard / max.		2 / 3 ○	2 / 3 ○
Mass in running order (+/-5%)*	kg	2580 (2451 to 2709)*	2650 (2518 to 2783)*
Manufacturer-specified mass for optional equipment*	kg	756	679
Technically permissible maximum laden mass*	kg	3499	3499
Permitted number of seats (including driver)*		2 - 4 ○	2 - 4 ○
Refrigerator volume (thereof freezer), approx.	l	83 (10) / 131 (15) ○	83 (10) / 131 (15) ○
Waste water tank, approx.	l	95	95
Fresh water tank capacity, total/ Fresh water tank capacity at driving filling	l	115 / 20	115 / 20
Measurement storage opening left (W x H)	cm	35 x 70 ○	65 x 75 ○
Measurement storage opening right (W x H)	cm	75 x 90	60 x 95

○ Optional equipment — Not possible ● Standard equipment ◆ Mandatory △ Not known at the time of publication



\* INFO

The specified mass in running order is a default value defined in the type-approval procedure. Due to manufacturing tolerances, the actual weighed mass in running order may deviate from the value stated above. Deviations of up to ± 5 % of the mass in running order are legally permissible and possible. The permissible range in kilograms is given in brackets after the mass in running order. The manufacturer-specified mass for optional equipment is a calculated value for each type and layout that Dethleffs uses to determine the maximum weight available for factory-fitted optional equipment. The limitation of optional equipment is intended to ensure that the minimum pay-mass, i.e. the legally prescribed free mass for baggage and retrofitted accessories, is actually available for the vehicle load capacity of the vehicles delivered by Dethleffs. The real weight of your vehicle ex works can only be determined when it is

weighed at the end of the line. If, in exceptional cases, the weighing shows that the actual load capacity falls below the minimum pay-mass despite limiting the optional equipment due to a permissible weight deviation, we will check together with your trade partner and you whether we should, for example, increase the load capacity of the vehicle, reduce the number of seats or remove optional equipment before delivering the vehicle. The technically permissible maximum laden mass of the vehicle and the technically permissible maximum mass on the axle must not be exceeded. Detailed information & explanations on the subject of weight and the configuration of the vehicle can be found in the section Legal information. For a more detailed description of all mandatory technical dependencies, please refer to the explanations on the footnotes.

# Standard equipment

	T 1	T 4
<b>Fiat chassis</b>		
Alloy wheel Fiat 16 ", black	●	●
Fiat Ducato Light low platform (3,499 kg), Multijet 140 (2.2 l / 103 kW / 140 hp), 6-speed manual transmission	●	●
<b>Fiat chassis features</b>		
ABS (anti-lock braking system) / EBD (electronic brakeforce distribution)	●	●
Anti-theft device	●	●
Automatic Brake Assist after a collision	●	●
Captain seats for driver and front passenger, swivel function	●	●
Crosswind Assist	●	●
Cruise control	●	●
Cup holder in the centre of the dashboard	●	●
DAB+ radio antenna integrated into right exterior mirror	●	●
Dashboard with aluminium application	●	●
Daytime running lights integrated into headlights	●	●
Diesel tank 90 litre incl. 19L AdBlue tank	●	●
Driver and passenger airbags	●	●
Driver and passenger detection	●	●
Driver's cab manual A/C	●	●
ESP incl. ASR, Traction Plus, Hill Holder and Hill Descent Control	●	●
Electrically adjustable and heated exterior mirrors incl. blind spot mirror and integrated turn indicator	●	●
Exterior colour chassis white	●	●
Fog lights incl. cornering light	●	●
Front-wheel drive	●	●
Height and tilt adjustment and double armrests for driver and passenger seat	●	●
Leather steering wheel and gear knob with leather sleeve	●	●
Painted front bumper in body colour incl. black skid plate	●	●
Preparation for radio system incl. loudspeakers in the driver's cabin	●	●
Rear axle mudflaps	●	●
Steering wheel with control elements	●	●
Trailer Stability Assist	●	●
Tyre inflation kit and towing eye	●	●
Tyres M+S Camping (with snowflake)	●	●
<b>Exterior features</b>		
60 cm wide habitation door	●	—
70 cm wide habitation door	—	●
Bedroom windows right and left with blackout & mosquito screen	●	●
Dethleffs Exclusive rear light carrier with 3rd brake light	●	●
EPS insulation	●	●
Floor thickness: 49 mm, side wall thickness: 34mm and roof thickness: 35 mm	●	●
Flyscreen habitation door	●	●
GRP roof	●	●
Habitation access with comfortable, wide, electric step	●	●
Large rear garage: right-hand garage door with turn/tighten lock, rear lowering (150 kg surface load), anti-slip surface, heated, lashing strips, illuminated, 1x 230 V socket	●	●
Lifetime construction technology: Tried-and-tested reliable flooring and superstructure with excellent insulation	●	●
Opening window in T-hood	●	●
Side panels and rear panel made of resistant high-gloss GRP with smooth, shiny surface	●	●
Skylight 40 x 40 cm above rear bed	●	●
Skylight 40 x 40 cm above the seating lounge	●	●
<b>Exterior design</b>		
Exterior body painted in white	●	●
<b>Interior design</b>		
Upholstery Calypso incl. driver and passenger seat cover	●	●

# Standard equipment

	T 1	T 4
Wood décor Noce Nagano	●	●
<b>Textile equipment</b>		
Rear beds with ergonomic wooden slatted frames and 150 mm thick 7-zone premium mattresses made of climate-regulating material	●	●
<b>Furniture layouts</b>		
Double bed high in the rear, transverse	●	—
High-level single beds incl. comfortable access via steps	—	●
Overhead locker doors with soft-close function	●	●
Seating group with hook-in and extendable table and a belt buck preparation	●	●
Two practical tension nets under the overhead locker in the rear bed	●	●
<b>Kitchen</b>		
Compressor refrigerator with freezer compartment (83 l)	●	●
Gourmet kitchen: two-ring hob, large drawers, cutlery tray, bin and generous worktop	●	●
MultiFlex rail system incl. hooks (further accessories via Dethleffs Original Accessories)	●	●
<b>Bathroom</b>		
Equipped with cabinets, storage compartments, large mirrors, toothbrush mug and toilet paper holder	●	●
Toilet room with practical swivelling wall incl. shower fitting and large washbasin	●	●
<b>Heating</b>		
Diesel hot air heating 6 kW with hot water boiler and integrated height kit	●	●
Heating in the seating unit for optimum heat distribution, built-in	●	●
<b>Electrical installation</b>		
Automatic switch-on/disconnect for starter battery, leisure battery and refrigerator	●	●
Awning light 12 V	●	●
EBL with separate FI protection switch	●	●
LED lighting throughout the vehicle	●	●
Leisure battery AGM, 95 Ah	●	●
Number of sockets 1x 12V, 7x 230V, 4x USB	●	●
On-board control panel	●	●
Spotlights in the roof lining above the habitation door	●	●
<b>Water supply</b>		
Fresh water tank in insulated and heated area	●	●
Submersible pump	●	●
<b>Gas supply</b>		
Storage space for a gas cylinder with a filling weight of 2.75 kg	●	●

# PACKAGES GLOBEBUS CAMP LOW PROFILE

Package	Active Package T1 (14821)	Active Package T4 (14821)
Cab blackout blinds	x	x
Habitation door with window incl. blackout and central locking (incl. cab door)	x	x
Panorama skylight 70 x 50 cm in the living area	x	x
Kitchen backsplash	x	x
Light Moments: illuminated kitchen splashback	x	x
Light Moments: Illuminated window panelling in the living room	x	x
Light Moments: Indirect ambient lighting above the overhead lockers	x	x
Light Moments: Indirect wall surface ambient lighting	x	x
Rear view camera (single camera)	x	x
Dethleffs Naviceiver incl. DAB+, truck navigation, wireless Apple CarPlay and Android Auto	x	x
Double-glazed flush-fitting windows with blackout & mosquito protection	x	x
Room-high compressor refrigerator with separate freezer compartment (131 l)	x	x
Shower grate	x	x
Digital control element for hot air heating	x	x
Pre-wiring for solar	x	x
Pre-wiring for roof A/C	x	x
Pre-wiring for second rear view camera	x	x
Pre-wiring for satellite system	x	x
Upholstery Jupiter	x	x
Active exterior design (rear light carrier with black diffuser, extended labelling, 'red' skid plate)	x	x
Seating group with harness bench incl. two 3-point harnesses and hook-in and extendable table	x	
Access locker door left	x	
Roof awning Omnistor 3.25 m (manual)	x	
Insulated waste water tank	x	
Option to convert single bed to double bed		x
Seating group with harness bench incl. two 3-point harnesses and hook-in and extendable table		x
Access locker door left		x
Roof awning Omnistor 4.0 m (manual)		x
Insulated waste water tank		x
Additional weight (kg)*	120.85	138.35



\* INFO

The factory installation of optional equipment increases the actual mass of the vehicle and reduces the pay-mass. The additional weight indicated for packages and optional equipment shows the additional weight compared to the standard equipment of the respective model or layout. The total weight of the selected optional equipment must not exceed the manufacturer-specified mass for

optional equipment shown in the model overviews. This is a calculated value for each type and layout that Dethleffs uses to determine the maximum weight available for factory-fitted optional equipment. Detailed information and explanations on the subject of weight can be found in the Legal information section.

Package	Family Package T1 (14410)	Family Package T4 (14410)
Cab blackout blinds	x	x
Habitation door with window incl. blackout and central locking (incl. cab door)	x	x
Panorama skylight 70 x 50 cm in the living area	x	x
Kitchen backsplash	x	x
Light Moments: illuminated kitchen splashback	x	x
Light Moments: Illuminated window panelling in the living room	x	x
Light Moments: Indirect ambient lighting above the overhead lockers	x	x
Light Moments: Indirect wall surface ambient lighting	x	x
Access locker door left	x	
Access locker door left		x
Option to convert single bed to double bed		x
Additional weight (kg)*	21.4	30.4

Package	Winter Comfort Package hot air heating Globebus Camp T1 (14411)	Winter Comfort Package hot air heating Globebus Camp T4 (14411)
Insulated under-floor pipes	x	x
Switch for water pump	x	x
Diesel hot air heating 6 kW with 1.8 kW electric heating element incl. digital control element and integrated height kit	x	x
Waste water tank and pipes electrically heated	x	x
Insulated waste water tank	x	
XPS insulation	x	
Insulated waste water tank		x
XPS insulation		x
Additional weight (kg)*	22.5	23.5

Package	Pre-wiring kit (11350)
Pre-wiring for solar	x
Pre-wiring for roof A/C	x
Pre-wiring for satellite system	x
Pre-wiring for first rear view camera	x
Pre-wiring for second rear view camera	x
Additional weight (kg)*	7.6

Chassis Package (14476)	
Automatic cab air conditioning, digital speedometer with 7" instrument cluster and wireless phone charger in the centre console	
Electric parking brake	
Full LED low beam	
Additional weight (kg)*	-9.1



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optional equipment shown in the model overviews. This is a calculated value for each type and layout that Dethleffs uses to determine the maximum weight available for factory-fitted optional equipment. Detailed information and explanations on the subject of weight can be found in the Legal information section.

Assistance ACC Fiat package (15117)	
Adaptive Cruise Control (ACC), > 30 km/h	
Rain and light sensor with automatic dimming	
Emergency Brake Assist with pedestrian detection	
Lane Keep Assist	
Traffic Sign Assist	
Attention Assist	
Intelligent speed assistant	
Additional weight (kg)*	0.5

Assistance Package Fiat (14477)	
Rain and light sensor with automatic dimming	
Emergency Brake Assist with pedestrian detection	
Lane Keep Assist	
Traffic Sign Assist	
Attention Assist	
Intelligent speed assistant	
Additional weight (kg)*	0.5

△ Not known at the time of publication



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optional equipment shown in the model overviews. This is a calculated value for each type and layout that Dethleffs uses to determine the maximum weight available for factory-fitted optional equipment. Detailed information and explanations on the subject of weight can be found in the Legal information section.

## Optional equipment\*\*

	Included in package	Additional weight (kg)*	Code	T 1	T 4
<b>Fiat chassis</b>					
Fiat Ducato Light low platform (3,499 kg), Multijet 140 (2.2 l / 103 kW / 140 hp), 8-speed torque converter automatic transmission	—	60	140A	○	○
Fiat Ducato Light low platform (3,499 kg), Multijet 180 (2.2 l / 132 kW / 180 hp), 8-speed torque converter automatic transmission	—	60	180A	—	○
<b>Weight upgrade</b>					
Weight upgrade 3,650 kg <sup>2)</sup>	—	0	10769	○	○
<b>Fiat chassis features</b>					
Tow bar (check permissible gross towing weight for trailer operation) <sup>3)</sup>	—	57	273	○	—
Tow bar (observe when operating trailers with a maximum authorised load) <sup>3)</sup>	—	60	273	—	○
<b>Exterior features</b>					
Access locker door left	AC-P, FA-P	6	331	—	○
Access locker door left	AC-P, FA-P	5	331	○	—
Bike rack for 3 bikes (lowerable)	—	21.1	7482	○	○
Bike rack for 3 bikes (rear)	—	9.6	938	○	○
Double-glazed flush-fitting windows with blackout & mosquito protection	AC-P	1	415	○	○
<b>Interior design</b>					
Upholstery Jupiter <sup>4)</sup>	AC-P	0	14820	○	○
Upholstery Salerno incl. driver and passenger seat cover	—	0	12747	○	○
<b>Furniture layouts</b>					
ISOFIX child seat bracket for third and fourth seat facing direction of travel <sup>9)</sup>	—	4	8125	○	○
Makeshift bed	—	8.5	339	○	○
Option to convert single bed to double bed	AC-P, FA-P	8	1883	—	○
Seating group with harness bench incl. two 3-point harnesses and hook-in and extendable table <sup>8)</sup>	AC-P	32	1951	○	—
Seating group with harness bench incl. two 3-point harnesses and hook-in and extendable table <sup>8)</sup>	AC-P	35	1951	—	○
<b>Kitchen</b>					
Room-high compressor refrigerator with separate freezer compartment (131 l)	AC-P	9	13261	○	○
<b>Bathroom</b>					
Shower grate	AC-P	2	1657	○	○
<b>Multimedia</b>					
5G WLAN router incl. 4x4 roof antenna	—	1.5	14899	○	○
5G Wi-Fi router incl. 4x4 roof antenna with flat screen 22' HD TV incl. flat screen bracket	—	7	15164	○	○
Automatic HD satellite system 65 Twin with 22' HD TV flat screen incl. flat screen bracket	—	16.5	15161	○	○
Dethleffs Naviceiver incl. DAB+, truck navigation, wireless Apple CarPlay and Android Auto	AC-P	3.65	9582	○	○
Flat-screen TV bracket	—	2	325	○	○
Rear view camera (single camera)	AC-P	1.1	1642	○	○
Second rear view camera in rear moulding	—	1	11541	○	○
<b>Heating</b>					
Diesel hot air heating 6 kW with 1.8 kW electric heating element incl. digital control element and integrated height kit	WI-KO	1.3	11585	○	○
Digital control element for hot air heating	AC-P	0.1	6622	○	○
<b>Air Conditioning</b>					



\* INFO

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explanations on the subject of weight can be found in the Legal information section. An increase of load capacity increases the manufacturer-specified mass for optional equipment. The increase results from the higher pay-mass due to the alternative chassis. The increased tare weight of the alternative chassis and, in particular, the weight for any mandatory heavier engine variants (e.g. 180 hp) must be deducted from this. For a more detailed description of all mandatory technical dependencies, please refer to the explanations on the footnotes.



## Optional equipment\*\*

	Included in package	Additional weight (kg)*	Code	T1	T4
Roof A/C	—	40	609	○	○
<b>Electrical installation</b>					
2nd Leisure battery Dual Battery System (Lithium), 140 Ah <sup>6)</sup>	—	19	13968	○	○
Second leisure battery AGM, 95 Ah <sup>6)</sup>	—	27	830	○	○
Solar power system 100 watt	—	12.6	922	○	○
<b>Water supply</b>					
Insulated waste water tank	AC-P, WI-KO	8.5	13742	—	○
Insulated waste water tank	AC-P, WI-KO	9	13742	○	—
Switch for water pump	WI-KO	0.2	397	○	○
<b>Packages</b>					
Active Package T1	—	120.85	14821	○	—
Active Package T4	—	138.35	14821	—	○
Assistance ACC Fiat package	—	0.5	15117	○	○
Assistance Package Fiat	—	0.5	14477	○	○
Chassis Package	—	-9.1	14476	○	○
Family Package T1 <sup>7)</sup>	—	21.4	14410	○	—
Family Package T4 <sup>7)</sup>	—	30.4	14410	—	○
Pre-wiring kit <sup>7)</sup>	—	7.6	11350	○	○
Winter Comfort Package hot air heating Globebus Camp T1 <sup>7)</sup>	—	22.5	14411	○	—
Winter Comfort Package hot air heating Globebus Camp T4 <sup>7)</sup>	—	23.5	14411	—	○
<b>Miscellaneous</b>					
Registration documents (CoC papers)	—	0	15152	◆	◆

○ Optional equipment — Not possible ● Standard equipment ◆ Mandatory △ Not known at the time of publication

AC-P Active Package FA-P Family Package WI-KO Winter Comfort Package



\* INFO

The factory installation of optional equipment increases the actual mass of the vehicle and reduces the pay-mass. The additional weight indicated for packages and optional equipment shows the additional weight compared to the standard equipment of the respective model or layout. The total weight of the selected optional equipment must not exceed the manufacturer-specified mass for optional equipment shown in the model overviews. This is a calculated value for each type and layout that Dethleffs uses to determine the maximum weight available for factory-fitted optional equipment. Detailed information and

explanations on the subject of weight can be found in the Legal information section. An increase of load capacity increases the manufacturer-specified mass for optional equipment. The increase results from the higher pay-mass due to the alternative chassis. The increased tare weight of the alternative chassis and, in particular, the weight for any mandatory heavier engine variants (e.g. 180 hp) must be deducted from this. For a more detailed description of all mandatory technical dependencies, please refer to the explanations on the footnotes.

# LEGAL NOTES ON WEIGHT-RELATED INFORMATION

The weight specifications and tests for **motorhomes** are uniformly regulated throughout the EU in EU Implementing Regulation No. 2021/535 (until June 2022: EU Implementing Regulation No. 1230/2012). We have summarised and explained the key terms and legal requirements from this **regulation** for you below. Our **dealers** and the Dethleffs configurator on our website offer you additional assistance in configuring your vehicle.

## 1. Technically permissible maximum laden mass

The **technically permissible maximum laden mass** of the vehicle (e.g. 3,500 kg) is a mass specification set by the manufacturer which the vehicle must not exceed. Information on the **technically permissible maximum laden mass** of the model you have chosen can be found in the technical data. If the vehicle exceeds the **technically permissible maximum laden mass** in everyday driving, this constitutes an administrative offence which may result in a fine.

## 2. Mass in running order

In simple terms, the **mass in running order** is the basic vehicle with **standard equipment** plus a legally fixed standard weight of 75 kg for the driver. This essentially includes the following items:

- the unladen weight of the vehicle together with the bodywork, including operating fluids such as greases, oils and coolants;
- the **standard equipment**, i.e. all equipment items that are included as standard in the factory-fitted scope of delivery;
- the fresh water tank filled to 100 % in driving mode (driving fill according to manufacturer's specifications;) and an aluminium gas cylinder filled to 100 %;
- the **fuel tank**, which is 90 % full, including fuel;
- the driver, whose weight – regardless of the actual weight – is generally specified as 75 kg in accordance with EU law.

Information on the **mass in running order** can be found for each model in our sales documents. It is important to note that the value for **mass in running order** given in the sales documents is a default value determined in the **type-approval procedure** and verified by the authorities. It is legally permissible and possible for the **mass in running order** of the vehicle delivered to you to deviate from the nominal value stated in the sales documents. The legally permissible **tolerance** is  $\pm 5\%$ . In this way, the EU legislator accounts for the fact that certain fluctuations in the **mass in running order** occur due to variations in the weight of supplied parts as well as due to processes and weather conditions.

These weight deviations can be illustrated by means of an example calculation:

- **Mass in running order** acc. to sales documents: 2,850 kg
- Legally permissible **tolerance** of  $\pm 5\%$ : 142.50 kg
- Legally permissible range of **mass in running order**: 2,707.50 kg to 2,992.50 kg

The specific range of permissible weight deviations can be found for each model in the technical data. Dethleffs makes great efforts to reduce weight variations to the minimum that is unavoidable for production reasons. **Deviations** at the upper and lower end of the range are therefore very rare; however, they cannot be completely ruled out technically, even

with all optimisations. The real weight of the vehicle and compliance with the permissible **tolerance** is therefore checked by Dethleffs by weighing each vehicle at the **end of the line**.

## 3. Mass of the passengers

The **mass of the passengers** is set a standard value of 75 kg for each seat provided by the manufacturer, regardless of the actual weight of the passengers. The **mass of the driver** is already included in the **mass in running order** (see no. 2 above) and is therefore not included again. In the case of a **motorhome** with four **permitted seats**, the **mass of the passengers** is therefore  $3 \cdot 75 \text{ kg} = 225 \text{ kg}$ .

## 4. Optional equipment and actual mass of the vehicle

**Optional equipment** (also: additional equipment) includes, according to the legal definition, all optional equipment parts not included in the **standard equipment** which are fitted to the vehicle under the responsibility of the manufacturer – i.e. ex works – and can be ordered by the customer (e.g. awning, bicycle or motorbike carrier, satellite system, solar system, oven, etc.). Information on the individual or package weights of the **optional equipment** that can be ordered can be found in our sales documents. **Optional equipment** in this sense does not include other **accessories** that are retrofitted by the **dealer** or you personally after the vehicle has been delivered ex works.

The **mass of the vehicle in running order** (see no. 2 above) and the mass of the **optional equipment** fitted to a specific vehicle at the factory are together referred to as the **actual mass**. You will find the corresponding information for your vehicle after handover under item 13.2 of the Certificate of Conformity (CoC). Please note that this specification also represents a standardised value. Since the **mass in running order** – as an element of the **actual mass** – is subject to a legally permissible **tolerance** of  $\pm 5\%$  (see no. 2), the **actual mass** may also deviate accordingly from the stated nominal value.

## 5. Pay-mass and minimum pay-mass

The installation of optional equipment is also subject to technical and legal limits: Only so much optional equipment can be ordered and fitted at the factory that sufficient free weight remains for baggage and other accessories ("pay-mass") without exceeding the technically permissible maximum laden mass. The pay-mass is calculated by subtracting the mass in running order (nominal value according to sales documents, see no. 2 above), mass of the optional equipment and the mass of the passengers (see no. 3 above) from the technically permissible maximum laden mass (see no. 1 above). The EU regulations stipulate a fixed minimum pay-mass for motorhomes, which must remain as a minimum for baggage or other non-factory-fitted accessories. This minimum pay-mass is calculated as follows:

Minimum pay-mass in kg  $\geq 10 \cdot (n + L)$

Where: "n" is the maximum number of passengers plus the driver and "L" is the overall length of the vehicle in metres.

For a motorhome with a length of 6 m and 4 approved seats, the minimum pay-mass is therefore e.g.  $10 \text{ kg} \cdot (4 + 6) = 100 \text{ kg}$ .

To ensure that the **minimum pay-mass** is maintained, there is a maximum combination of **optional equipment** that can be ordered for each vehicle model. In the above example with a **minimum pay-mass** of 100 kg, the total mass of **optional equipment** for a vehicle with four **permitted seats** and a **mass in running order** of 2,850 kg should not exceed 325 kg:

3,500 kg	<b>technically permissible maximum laden mass</b>
- 2,850 kg	<b>mass in running order</b>
- 3*75 kg	<b>mass of the passengers</b>
- 100 kg	<b>minimum pay-mass</b>
= 325 kg	<b>maximum permissible mass of optional equipment</b>

It is important to note that this calculation is based on the default value for **mass in running order** as defined in the **type-approval procedure**, without taking into account the permissible weight deviations for **mass in running order** (see no. 2 above). If the maximum permissible value for the **optional equipment** of (in the example) 325 kg is almost or completely exhausted, an upward weight deviation can therefore result in the **minimum pay-mass** of 100 kg being met mathematically using the default value for the **mass in running order**, although in fact there is no corresponding **load capacity**. Here, too, an example calculation for a vehicle with four seats, whose real weighed **mass in running order** is 2 % above the nominal value:

3,500 kg	<b>technically permissible maximum laden mass</b>
- 2,907 kg	<b>real weighed mass in running order</b> (+ 2 % compared to the stated value of 2,850 kg)
- 3*75 kg	<b>mass of the passengers</b>
- 325 kg	<b>optional equipment</b> (maximum permissible value)
= 43 kg	<b>actual load capacity</b> (< <b>minimum pay-mass</b> of 100 kg)

In order to avoid such a situation, Dethleffs further reduces the maximum permissible weight of the total **optional equipment** that can be ordered on a model-specific basis. The limitation of **optional equipment** is intended to ensure that the **minimum pay-mass**, i.e. the legally prescribed free mass for **baggage** and retrofitted **accessories**, is actually available for the **vehicle load capacity** of the vehicles delivered by Dethleffs. Since the weight of a specific vehicle can only be determined when it is weighed at the **end of the line**, in very rare cases a situation may arise in which the **minimum pay-mass** at the **end of the line** is not guaranteed, despite this limitation of **optional equipment**. In order to guarantee the **minimum pay-mass** even in these cases, Dethleffs will check together with your **trade partner** and you before delivery of the vehicle whether, for example, the vehicle is loaded up, seats are reduced or **optional equipment** is removed.

## 6. Effects of tolerances of the mass in running order on the pay-mass

Regardless of the **minimum pay-mass**, you should note that unavoidable production-related fluctuations in the **mass in running order** – both upwards and downwards – have a mirror-image effect on the remaining **load capacity**: If you order our example vehicle (see no. 3. above), for example, with **optional equipment** with a total weight of 150 kg, the calculated **pay-mass** based on the default value for the **mass in running order** is 275 kg. The **load capacity** actually available may deviate from this value due to **tolerances** and may be higher or lower. If the **mass in running or-**

**der** of your vehicle is, for example, permissibly 2 % higher than stated in the sales documents, the **load capacity** is reduced from 275 kg to 218 kg:

3,500 kg	<b>technically permissible maximum laden mass</b>
2,907 kg	<b>real weighed mass in running order</b> (+ 2 % compared to the stated value of 2,850 kg)
3*75 kg	<b>mass of the passengers</b>
150 kg	<b>optional equipment</b> ordered for the specific vehicle
= 218 kg	<b>sactual load capacity</b>

As a precaution to ensure that the calculated **pay-mass** is actually given, you should therefore take the possible and permissible **tolerances** for the **mass in running order** into account when configuring your vehicle. We also recommend that you weigh the laden **motorhome** on a non-automatic scale before each journey and, taking the individual weight of the **passengers** into account, determine whether the **technically permissible maximum laden mass** and the **technically permissible maximum mass on the axle** are observed.