

**TECHNICAL INFORMATION
CROSSCAMP MOTORHOMES**

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IMPORTANT INFORMATION FOR THE SELECTION OF YOUR MOTORHOMES

When buying a motorhome, camper van or urban vehicle (hereafter: motorhome), it is particularly important to choose the right layout and an appealing design. In addition, weight also plays an essential role. Family, friends, optional equipment, accessories and baggage – space must be available for all of these. At the same time, there are legal and technical limits to the configuration and load. Every motorhome is designed for a certain weight, which may not be exceeded during driving. For motorhome buyers, this raises the question: How should I configure my vehicle to accommodate passengers, baggage and accessories according to my needs without the vehicle exceeding this maximum weight? In order to make this decision easier for you, we provide you below with a few tips that are particularly important when selecting your vehicle from our portfolio:

1. The technically permissible maximum laden mass...

... is a value set by the manufacturer which the vehicle may not exceed. CROSSCAMP specifies a layout-related upper limit for the vehicle, which can vary from layout to layout (e.g. 3,500 kg, 4,400 kg). You can find the corresponding specification for each layout in the technical data.

		MODEL 1	MODEL 2
Standard chassis		Opel Zafira Life	Opel Zafira Life
kW (bhp)		88 (120)	88 (120)
Overall length, approx.	cm	495	495
Overall width, approx.	cm	192	192
Overall height, approx.	cm	199	199
1 Technically permissible maximum laden mass*	kg	3100	3100
2 Mass in running order (+/-5%)*	kg	2269 (2156 to 2382)*	2334 (2217 to 2451)*
Permitted number of seats (including driver)*		4	4
Manufacturer-specified mass for optional equipment*	kg	506	441

2. The mass in running order...

... consists – to put it simply – of the basic vehicle with standard equipment plus a standard weight of **75 kg for the driver**. It is legally permissible and possible for the mass in running order of your vehicle to deviate from the nominal value stated in the sales documents. The **permissible tolerance is ±5 %**. The **permissible range** in kilograms is given in **brackets** after the mass in running order. In order to provide you with full transparency regarding possible weight deviations, CROSSCAMP weighs each vehicle at the end of the line and informs your trade partner of your vehicle's weighing result for forwarding to you.

Detailed explanations on the subject of mass in running order can be found in the “Legal Information” section.

3. The permitted number of seats (including driver)...

... is determined by the manufacturer in what is referred to as the type-approval procedure. This results in what is referred to as the mass of the passengers. For this, a standard weight of 75 kg per passenger (without driver) is calculated.

Detailed explanations on the subject of mass of the passengers can be found in the “Legal Information” section.

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Standard chassis		Opel Zafira Life	Opel Zafira Life
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Overall length, approx.	cm	495	495
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Technically permissible maximum laden mass*	kg	3100	3100
Mass in running order (+/-5%)*	kg	2269 (2156 to 2382)*	2334 (2217 to 2451)*
3 Permitted number of seats (including driver)*		4	4
4 Manufacturer-specified mass for optional equipment*	kg	506	441

4. The manufacturer-specified mass for optional equipment...

... is a value set by CROSSCAMP per layout for the maximum mass of optional equipment that can be ordered. This limit 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 CROSSCAMP. If, **in exceptional cases**, the weighing at the end of the line **nevertheless** shows that the actual load capacity falls short of the minimum pay-mass 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.

Detailed explanations on the subject of the effects of the tolerances on the minimum pay-mass and the payload can be found in the “Legal Information” section.

OPTIONAL EQUIPMENT

	Price	Additional weight (kg)*	MODEL 1	MODEL 2
Chassis features				
Head-Up Display	479,-	1.5	○	○
230V socket in the second row of seats	99,-	3	○	○
Interior design				
Auxiliary heating with wall control panel	2.199,-	9	—	○
Gooseneck lights with USB connection	159,-	0	○	○

5. The additional weight of optional equipment and packages...

... increases the actual mass of the vehicle (= mass in running order plus selected optional equipment) and reduces the pay-mass. The specified value shows the additional weight compared to the standard equipment of the respective layout. The total weight of the selected packages and optional equipment must not exceed the manufacturer-specified mass for optional equipment.

PEUGEOT EXPDN

Technical info



PEUGEOT EXPDN		7.0 E	7.4 E	7.4 D
Standard chassis		Peugeot Boxer Low Platform	Peugeot Boxer Low Platform	Peugeot Boxer Low Platform
Standard engine		140 MultiJet 3	140 MultiJet 3	140 MultiJet 3
kW (bhp)		103 (140)	103 (140)	103 (140)
Emission standards		Euro 6e-bis	Euro 6e-bis	Euro 6e-bis
Overall length, approx.	cm	696	741	741
Overall width, approx.	cm	235	235	235
Overall height, approx.	cm	294 ¹⁾	294 ¹⁾	294 ¹⁾
Headroom in living area, approx.	cm	213	213	213
Towable load braked/unbraked	kg	2000 / 750	2000 / 750	2000 / 750
Wheelbase, approx.	mm	3800	4035	4035
Bed dimension: Front bed, L x W, approx.	cm	198 x 140 - 120 ○	198 x 140 - 120 ○	198 x 140 - 120 ○
Bed dimension: Central / middle bed, L x W, approx.	cm	211 x 102 - 77 ○	211 x 117 - 77 ○	211 x 117 - 77 ○
Bed dimension: Rear bed, L x W, approx.	cm	205 x 80 / 195 x 80 / 210 x 173	210 x 80 / 205 x 80 / 210 x 191	190 x 150
Sleeping berths standard / max.		2 / 5 ○	2 / 5 ○	2 / 5 ○
Mass in running order (+/-5%)*	kg	2800 (2660 - 2940)*	2840 (2698 - 2982)*	2840 (2698 - 2982)*
Manufacturer-specified mass for optional equipment*	kg	356	312	312
Technically permissible maximum laden mass*	kg	3499	3499	3499
Permitted number of seats (including driver)*		4 - 5 ○	4 - 5 ○	4 - 5 ○
Refrigerator volume (thereof freezer), approx.	l	131 (15)	131 (15)	131 (15)
Waste water tank, approx.	l	90	90	90
Fresh water tank capacity, total/ Fresh water tank capacity at driving filling	l	116 / 20	116 / 20	116 / 20
Measurement storage opening right (W x H)	cm	75 x 110	93 x 110	93 x 115
Measurement storage opening left (W x H)	cm	75 x 90	95 x 90	95 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 CROSSCAMP 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 CROSSCAMP. 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

7.0E
7.4E
7.4D

Peugeot chassis features			
15" steel wheel rim	●	●	●
Peugeot Boxer (3,499 kg), MultiJet 140 (2.2l / 103 kW / 140 hp), 6-speed manual transmission	●	●	●
Peugeot chassis features			
ABS (anti-lock braking system) / EBD (electronic brakeforce distribution)	●	●	●
AEBS, Emergency Lane Keeping, Driver Drowsiness Detection, Intelligent Speed Assist	●	●	●
Anti-theft device	●	●	●
Automatic Brake Assist after a collision	●	●	●
Captain seat, double armrests, swivel function with height and tilt adjustment for driver and front passenger seat	●	●	●
Crosswind Assist	●	●	●
Cruise control	●	●	●
Cup holder in the centre of the dashboard	●	●	●
DAB+ radio antenna integrated into right exterior mirror	●	●	●
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 Expedition Grey	●	●	●
Front-wheel drive	●	●	●
Multifunctional steering wheel	●	●	●
Preparation for radio system incl. loudspeakers in the driver's cabin	●	●	●
Rear axle mudflaps	●	●	●
TPMS	●	●	●
Trailer Stability Assist	●	●	●
Tyre inflation kit and towing eye	●	●	●
Tyres M+S Camping (with snowflake)	●	●	●
Widened rear axle	●	●	●
Exterior features			
70 cm wide living room door with window incl. blackout, coat hook and practical textile bag	●	●	●
Bedroom windows right and left with blackout & mosquito screen	●	●	●
Crosscamp Blackline rear light carrier with 3rd brake light	●	●	●
Crosscamp body technology: GRP-clad underbody and roof with proven reliable floor and body construction with excellent insulation	●	●	●
Double-glazed flush-fitting windows with blackout & mosquito protection, steplessly adjustable	●	●	●
EPS insulation	●	●	●
Floor thickness: 38 mm, side wall thickness: 34 mm, and roof thickness: 35 mm	●	●	●
GRP roof	●	●	●
Habitation access with comfortable, wide, electric step	●	●	●
Large rear garage: two garage doors/flaps with turn/tighten lock, rear lowering (150 kg surface load), anti-slip surface, heated, lashing strips, illuminated, 1x 230 V socket	●	●	●
Opening window in T-hood	●	●	●
Panoramic clear glass skylight 40 x 40 cm above the rear bed including fly screen and blackout	●	●	●
Panoramic clear glass skylight 40 x 40 cm above the seating lounge incl. fly screen and blackout	●	●	●
Side panels and rear panel made of resistant high-gloss GRP with smooth, shiny surface	●	●	●
Exterior design			
Crosscamp exterior design with black rear light carrier, black side skirts, and design stickers	●	●	●
Exterior paint finish habitation Grey	●	●	●
Interior design			

Décor Makalu Pearl Grey	●	●	●
Upholstery Caroni	●	●	●
Furniture layouts			
Height-adjustable double bed, manual	—	—	●
High-level single beds incl. comfortable access via steps	●	●	—
Modern entrance module with practical entry handle, "CC" coat hook, and practical textile bag with preparation for TV mount	●	●	●
Overhead locker doors with soft-close function	●	●	●
Practical shoe compartment, easily accessible in the entrance area	—	●	●
Rear beds with ergonomic wooden slatted frames and 110 mm thick 7-zone premium mattresses made from climate-regulating material	●	●	●
Roof cabinets in the rear with lateral holders for textile roof cabinet bags (available via Custom Parts)	●	●	—
Seating area with mountable and extendible table and two integrated 3-point seatbelts	●	●	●
Single beds convert to double bed	●	●	—
Wardrobe to the left and right of the queen-size bed	—	—	●
Window cladding in living area in Crosscamp wood panel look	●	●	●
Kitchen			
Gourmet kitchen: 2-burner cooker, spacious drawer with cutlery insert, doors with flexible shelves, and generous work surface as well as holder for waste bin (available via Custom Parts)	●	●	●
Kitchen rear wall in Crosscamp wood panel look	●	●	●
MultiFlex rail system (additional accessories available via Crosscamp Custom Parts)	●	●	●
Room-high compressor refrigerator with separate freezer compartment (131 l)	●	●	●
Bathroom			
Equipment with cabinets, storage areas, hooks, large mirror, and large mounted washbasin	●	●	●
Large bathroom with separate shower and toilet with locking door to the lounge	—	●	●
Swiveling bathroom wall for optimal use of space	●	—	—
Multimedia			
Integrated single-lens rear view camera	●	●	●
Moniceiver including DAB+, wireless Apple CarPlay & Android Car	●	●	●
Heating			
Gas hot air heating 4kW with hot water boiler	●	●	●
Heating in the seating unit for optimum heat distribution, built-in	●	●	●
Electrical installation			
Automatic switch-on/disconnect for starter battery, leisure battery and refrigerator	●	●	●
Awning light 12 V	●	●	●
EBL with separate FI protection switch	●	●	●
Functional lighting (surface-mounted and recessed spotlights)	●	●	●
LED lighting throughout the vehicle	●	●	●
Leisure battery AGM, 95 Ah	●	●	●
Number of sockets: 1x 12V, 6x 230V, 4x USB	●	●	●
On-board control panel	●	●	●
Spotlights in the roof lining above the habitation door	●	●	●
Water supply			
Fresh water tank in insulated and heated area	●	●	●
Submersible pump	●	●	●
Gas supply			
Storage space for 2 gas bottles with 11 kg filling weight each	●	●	●

Packages PEUGEOT EXPDN

Package	Design Chassis Kit (15512)	Design Chassis Kit ACC (15515)
16" alloy wheel, black	x	x
Leather steering wheel and gear knob with leather sleeve	x	
Dashboard with aluminium application	x	x
Rain and light sensor with automatic dimming	x	x
Painted front bumper in body colour incl. black skid plate and Fog lights incl. cornering light	x	
Painted front bumper in body colour incl. black skid plate		x
Adaptive cruise control (from 30 km/h), Fog lights incl. cornering light, Leather and Multifunctional steering wheel		x
Additional weight (kg)*	8.1	6.1

Package	Base Kit (15119)
Cab blackout blinds	x
Flyscreen habitation door	x
ISOFIX child seat bracket for third and fourth seat facing direction of travel	x
Shower grate	x
Light Moments: Indirect ambient lighting above the overhead lockers	x
Light Moments: Illuminated kitchen splashback	x
Light Moments: Illuminated window panelling in the living room	x
Additional weight (kg)*	17.2

Chassis Kit (15513)	
Driver's cab automatic A/C	
Digital speedometer with 7" combination instrument	
Wireless phone charger in the central console	
Electric parking brake	
Full LED low beam	
Additional weight (kg)*	9.4

Pre-wiring kit (15670)	
Pre-wiring for solar	
Pre-wiring for roof A/C	
Pre-wiring for satellite system	
Additional weight (kg)*	5.6

△ Not known at the time of publication



* 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 CROSSCAMP 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*

	Additional weight (kg) *	Code	7.0E	7.4E	7.4D
Peugeot chassis features					
Peugeot Boxer (3,499 kg), MultiJet 140 (2.2l / 103 kW / 140 hp), 8-speed automatic transmission	60	140A	○	○	○
Peugeot Boxer (3,499 kg), MultiJet 180 (2.2l / 132 kW / 180 hp), 8-speed automatic transmission	60	180A	○	○	○
Peugeot chassis features					
5th seat with seat belt ⁴⁾	14	435	○	○	○
Tow hitch (observe maximum permitted trailer weight) ^{2) 3)}	64	273	○	—	—
Tow hitch (observe maximum permitted trailer weight) ^{2) 3)}	66	273	—	○	○
Exterior features					
Bike rack for 3 bikes (rear)	9.6	938	○	○	○
Black cassette awning Omnistor 4.0 m (manual)	34	859	○	—	—
Black cassette awning Omnistor 4.5 m (manual)	38	930	—	○	○
Interior design					
Upholstery Canaima including driver and passenger seat covers	0	11765	○	○	○
Furniture layouts					
Bed convert for seating lounge transverse	7	1944	○	—	—
Bed convert for seating lounge transverse	9	1944	—	○	○
Electric pull-down bed across the seating unit	59	13738	○	○	○
Multimedia					
5G Wi-Fi router incl. 4x4 roof antenna	1.5	14899	○	○	○
5G Wi-Fi router including 4x4 roof antenna with 22" HD TV including holder	7	15164	○	○	○
Heating					
Digital control element for hot air heating	0.1	6622	○	○	○
Gas hot air heating 6kW with 1.8kW electric heating element & digital control panel	3.1	330	○	○	○
Electrical installation					
Lithium (LiFePo4) battery 150Ah incl. 45 A charge booster, instead of standard AGM habitation battery	-6	15757	○	○	○
Lithium (LiFePo4) battery 2x150Ah (300Ah) incl. 45 A charge booster, instead of standard AGM habitation battery	10	15758	○	○	○
Water supply					
Insulated waste water tank	11	13742	○	○	○
Gas supply					
Automatic gas bottle switchover including crash sensor and EisEx	2.5	1577	○	○	○



* 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 CROSSCAMP 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.

	Additional weight (kg) *	Code	7.0 E	7.4 E	7.4 D
Packages					
Base Kit	17.2	15119	○	○	○
Chassis Kit	-9.4	15513	○	○	○
Design Chassis Kit	8.1	15512	○	○	○
Design Chassis Kit ACC	6.1	15515	○	○	○
Pre-wiring kit	5.6	15670	○	○	○
Miscellaneous					
Registration documents (CoC papers)	0	15152	◆	◆	◆

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



* 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 CROSSCAMP 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.

TECHNICAL INFORMATION / FOOTNOTES

If you order your vehicle with additional equipment, you should check whether it makes sense or is necessary to increase the vehicle's weight! The optional equipment partially replaces the standard equipment.

FOOTNOTES

- 1) Please note that the overall height may increase due to additional roof structures and special equipment.
- 2) The maximum surface load of the garage increases to 250 kg in conjunction with the "trailer coupling" option.
- 3) The maximum towing capacity is reduced to 1900 kg in conjunction with the "3650 kg load capacity" option.
- 4) An optional seat must be taken into account as a regular seat when calculating the minimum payload and the mass of the passengers. In order to obtain an optional seat, it must be ensured that the minimum payload is still maintained and that all other legal mass values are complied with. Please contact our sales partners for detailed information.

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 ±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 ±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 x 75 kg = 225 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 ± 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 $\geq 10 \times (n + L)$

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. $10 \text{ kg} \times (4 + 6) = 100 \text{ kg}$. 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 technically permissible maximum laden mass
 – 2.850 kg mass in running order
 – 3 x 75 kg mass of the passengers
 – 100 kg minimum pay-mass
= 325 kg maximum permissible mass of optional equipment

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

In order to avoid such a situation, CROSSCAMP 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 CROSSCAMP.

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, CROSSCAMP 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 order 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 technically permissible maximum laden mass
 – 2.907 kg real weighed mass in running order (+2 % compared to the stated value of 2,850 kg)
 – 3 x 75 kg mass of the passengers
 – 150 kg optional equipment ordered for the specific vehicle
= 218 kg actual load capacity

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.

GENERAL INFORMATION

The information on the scope of delivery, appearance, performance, dimensions and weights of the vehicles corresponds to the knowledge available at the time of going to press and to the European homologation regulations.

Technical changes in design and equipment as well as errors excepted. These Technical Information is valid from 26 May 2026. Vehicle illustrations in this document may contain optional equipment subject to an extra charge. We expressly reserve the right to make changes. With the publication of this Technical Information, all previous technical documents lose their validity.

Different Euro prices may apply throughout Europe. This is due to different country-specific standard equipment and different VAT and luxury tax rates.

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