

# Globebus A Class



The most compact A Class motorhome series from Dethleffs drives as easy and dynamic as a van! Ideal for city trips and mountain roads. But despite all its compactness, it knows how to convince with the advantages of a full-grown motorhome such as insulation, freedom of movement and kitchen and bathroom equipment. For those who value striking sporty details, the Gran Turismo equipment package is just right.

## Technical info

|                                  |              |
|----------------------------------|--------------|
| Overall length, approx.          | 599 - 695 cm |
| Overall width, approx.           | 220 cm       |
| Overall height, approx.          | 281 cm       |
| Headroom in living area, approx. | 198 cm       |

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

## Upholstery



+ Upholstery Floyd



+ Upholstery Duke

○

## Wood décor



+ Wood décor Noce Nagano

○ optionally available

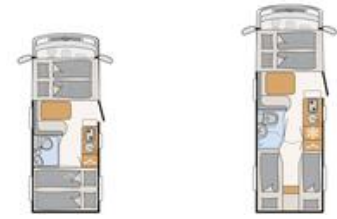
## Plus factors

- + Proven Dethleffs quality at an attractive price
- + Agile and safe handling due to compact exterior dimensions with an external width of only 2.20 m
- + Sporty, striking Gran Turismo (GT) equipment package (optional)
- + Fully equipped kitchen with 2-burner stove, trash can, multiflex rail system and much more.
- + Pleasant sleeping comfort due to 150 mm thick 7-zone cold foam mattresses made of climate-regulating material and ergonomic wooden slatted frames



# Globebus A Class

## Technical info



| Globebus A Class   |    | I 1                            | I 6                               |
|--|----|--------------------------------|-----------------------------------|
| Standard chassis   |    | Fiat Ducato Light Low Platform | Fiat Ducato Light Low Platform    |
| Emission standards   |    | Euro 6d Final                  | Euro 6d Final                     |
| Overall length, approx.  | cm | 599                            | 695                               |
| Overall width, approx.   | cm | 220                            | 220                               |
| Overall height, approx.  | cm | 281 <sup>1)</sup>              | 281 <sup>1)</sup>                 |
| Headroom in living area, approx.   | cm | 198                            | 198                               |
| Towable load braked/unbraked   | kg | 2000 / 750                     | 2000 / 750                        |
| Wheelbase, approx.   | mm | 3450                           | 3800                              |
| Bed dimension: Front bed, L x W, approx.                                       | cm | 185 x 150                      | 185 x 150                         |
| Bed dimension: Rear bed, L x W, approx.  | cm | 200 x 145                      | 200 x 155 ○ / 195 x 80 / 195 x 75 |
| Sleeping berths standard / max.  |    | 4                              | 4                                 |
| Standard engine  |    | 140 Multijet 3                 | 140 Multijet 3                    |
| kW (bhp)   |    | 103 (140)                      | 103 (140)                         |
| Mass in running order (+/-5%)*   | kg | 2710 (2575 to 2846)*           | 2890 (2746 to 3035)*              |
| Manufacturer-specified mass for optional equipment*                            | kg | 454                            | 275                               |
| Technically permissible maximum laden mass*                                    | kg | 3499                           | 3499                              |
| Permitted number of seats (including driver)*                                  |    | 4                              | 4                                 |
| Refrigerator volume (thereof freezer), approx.                                 | l  | 83 (8) / 137 (15) ○            | 137 (15)                          |
| Waste water tank, approx.  | l  | 90                             | 90                                |
| Fresh water tank capacity, total/ Fresh water tank capacity at driving filling | l  | 114 / 20                       | 114 / 20                          |
| Measurement storage opening left (W x H)                                       | cm | 95 x 80                        | 95 x 85                           |
| Measurement storage opening right (W x H)                                      | cm | 75 x 100                       | 95 x 105                          |

○ Optional equipment — Not possible ● Standard equipment ◆ Mandatory ▲ Zum Zeitpunkt der Veröffentlichung nicht bekannt



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

I 1

I 6

| Fiat chassis   |   |   |
|--|---|---|
| Fiat Ducato Light low platform (3,499 kg), Multijet 140 (2.2 l / 103 kW / 140 hp), 6-speed manual transmission   | ● | ● |
| Steel rims 15" (215/70 R15C) incl. full wheel covers   | ● | ● |
| Fiat chassis features  |   |   |
| ABS (anti-lock braking system) / EBD (electronic brakeforce distribution)  | ● | ● |
| Additional protection for radiator through grille at front of vehicle  | ● | ● |
| Anti-theft device  | ● | ● |
| Automatic Brake Assist after a collision   | ● | ● |
| Captain seats: integrated headrests, two armrests, swivel function   | ● | ● |
| Crosswind Assist   | ● | ● |
| Cruise control   | ● | ● |
| Cup holder in the centre of the dashboard  | ● | ● |
| Diesel tank 75 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   | ● | ● |
| Front-wheel drive  | ● | ● |
| Low-vibration coach-style exterior mirrors that can be heated and adjusted electrically (two-piece)  | ● | ● |
| Pleated blinds in the windscreen and side windows of the drive's cab for the best insulation and privacy   | ● | ● |
| Rear axle mudflaps   | ● | — |
| Rear axle mudflaps   | — | ● |
| Trailer Stability Assist   | ● | ● |
| Tyre inflation kit and towing eye  | ● | ● |
| Exterior features  |   |   |
| 60 cm wide habitation door   | ● | — |
| 70 cm wide habitation door   | — | ● |
| Bedroom window right and left  | ● | ● |
| 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: 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 | ● | ● |
| Lifetime construction technology: Tried-and-tested reliable flooring and superstructure with excellent insulation  | ● | ● |
| Panoramic skylight 40x40 cm with flyscreen and blackout blinds above the pull-down bed   | ● | ● |
| Side panels and rear panel made of resistant high-gloss GRP with smooth, shiny surface   | ● | ● |
| Skylight 40 x 40 cm above the seating lounge   | ● | ● |
| Exterior design  |   |   |
| Exterior body painted in white   | ● | ● |
| Interior design  |   |   |
| Upholstery Floyd   | ● | ● |
| Wood décor Noce Nagano   | ● | ● |
| Textile equipment  |   |   |
| Fixed beds with ergonomic wooden slatted frames and 150 mm thick 7-zone premium mattresses made of climate-regulating material   | ● | ● |
| Furniture layouts  |   |   |
| Cosy L-shaped lounge with free-standing, rigid table base and two integrated 3-point seatbelts   | ● | ● |
| Double bed high in the rear, transverse  | ● | — |
| Floor-to-ceiling wooden sliding door to the bedroom  | — | ● |
| Full body mirror   | ● | ● |

# Standard equipment

|   | 11 | 16 |
|---|----|----|
| High-level single beds incl. comfortable access via steps   | —  | ●  |
| Manual pull-down bed in the driver's cab  | ●  | ●  |
| Multifunctional storage space underneath the double bed incl. wardrobe, accessible from inside and outside, illuminated, bed frame adjustable | ●  | —  |
| Overhead locker doors with soft-close function  | ●  | ●  |
| Wardrobe floor-to-ceiling with convenient linen drawers in upper area   | ●  | ●  |
| <b>Kitchen</b>  |    |    |
| Floor-to-ceiling fridge with separate freezer compartment and automatic energy selection (AES) (137 l)  | —  | ●  |
| Fridge with separate freezer compartment and automatic energy selection (AES) (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   | ●  | ●  |
| Swiveling bathroom wall for optimal use of space  | ●  | —  |
| <b>Heating</b>  |    |    |
| Gas hot-air heating 6kW with hot-water boiler   | ●  | ●  |
| <b>Electrical installation</b>  |    |    |
| Automatic switch-on/disconnect for starter battery, leisure battery and refrigerator  | ●  | ●  |
| Awning light 12 V   | ●  | ●  |
| Awning light switched off when ignition on  | ●  | ●  |
| Electric block with integrated overvoltage protection and separate ground fault circuit breaker   | ●  | ●  |
| LED lighting throughout the vehicle   | ●  | ●  |
| Leisure battery AGM, 95 Ah  | ●  | ●  |
| Number of sockets 1x 12V, 6x 230V, 2x 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 2 gas bottles with a filling weight of 11 kg each   | ●  | ●  |

# PACKAGES GLOBEBUS A CLASS

| Package  | Winter Comfort Package hot air heating Globebus I1 (8251) | Winter Comfort Package hot-air heating Globebus I6 (8251) |
|--|---|---|
| Insulated under-floor pipes  | x   | x   |
| Waste water tank and pipes electrically heated   | x   | x   |
| Switch for water pump  | x   | x   |
| Gas hot-air heating 6kW with 1.8kW electric heating element and hot-water boiler incl. digital control panel | x   | x   |
| Insulated waste water tank   | x   | x   |
| XPS insulation   | x   |   |
| XPS insulation   |   | x   |
| Additional weight (kg)*  | 25.2  | 28.2  |

## Chassis Package (12125)

Dashboard with aluminium application

Driver's cab automatic A/C

Leather steering wheel and gear knob with leather sleeve

Electric parking brake

Diesel tank 90 litre incl. 19L AdBlue tank

Steering wheel with control elements

Additional weight (kg)\*

4.5

## Family Package (12151)

Preparation for radio system incl. sound package in the driver's cabin

DAB+ radio antenna mounted on the roof

Driver's cab door left

Panoramic skylight 75x105 cm above the seating lounge

Height and tilt adjustable incl. two padded armrests for the driver and front passenger seat

Habitation door with window incl. blackout and central locking (incl. cab door)

Luxus on-board control panel

Additional weight (kg)\*

60.1



\* 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.

### Globebus GT Package (13992)

Electric parking brake  
Leather steering wheel and gear knob with leather sleeve  
Dashboard with aluminium application  
Driver's cab automatic A/C  
Diesel tank 90 litre incl. 19L AdBlue tank  
Steering wheel with control elements  
Habitation door with window incl. blackout and central locking (incl. cab door)  
Luxus on-board control panel  
Driver's cab door left  
Panoramic skylight 75x105 cm above the seating lounge  
Height and tilt adjustable incl. two padded armrests for the driver and front passenger seat  
DAB+ radio antenna mounted on the roof  
Preparation for radio system incl. sound package in the driver's cabin  
Alloy wheel Fiat 16 "  
Exterior design GT (paint of I-front partly black, extended GT stickers, skidplate "red")  
Kitchen back panel in metallic grey  
Two-tone sockets and switches  
Stable, double-glazed flush-fitting windows with integrated blinds and flyscreens  
High characteristic Dethleffs Exclusive rear light carrier with 3rd brake light

Additional weight (kg)\*

89.6

### Light Moments Package (11352)

Light Moments: Indirect ambient lighting above the overhead lockers  
Light Moments: Indirect wall surface ambient lighting

Additional weight (kg)\*

2

### Pre-wiring kit (11350)

Pre-wiring for solar  
Pre-wiring for roof A/C  
Pre-wiring for satellite system  
Pre-wiring for first reversing camera  
Pre-wiring for second reversing camera

Additional weight (kg)\*

7.6

△ Zum Zeitpunkt der Veröffentlichung nicht bekannt



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.

# Optional equipment\*\*

|  | Included in package | Additional weight (kg)* | Code  | 11 | 16 |
|--|---------------------|-------------------------|-------|----|----|
| <b>Fiat chassis</b>  |                     |                         |       |    |    |
| Alloy wheel Fiat 16 "  | GT                  | 20                      | 8922  | ○  | ○  |
| Fiat Ducato Light low platform (3,499 kg), Multijet 140 (2.2 l / 103 kW / 140 hp), 9-speed torque converter automatic transmission <sup>4)</sup> | —                   | 35                      | 140A  | ○  | ○  |
| Fiat Ducato Light low platform (3,499 kg), Multijet 180 (2.2 l / 132 kW / 180 hp), 9-speed torque converter automatic transmission <sup>4)</sup> | —                   | 35                      | 180A  | —  | ○  |
| <b>Weight upgrade</b>  |                     |                         |       |    |    |
| Weight upgrade 3,650 kg  | —                   | 0                       | 10769 | ○  | ○  |
| <b>Fiat chassis features</b>   |                     |                         |       |    |    |
| Rear corner steadies (2 pieces)  | —                   | 6                       | 390   | ○  | ○  |
| Reinforced spring for front axle   | —                   | 3.75                    | 1889  | ○  | ○  |
| Tow bar (check permissible gross towing weight for trailer operation) <sup>5)</sup>  | —                   | 57                      | 273   | ○  | —  |
| Tow bar (check permissible gross towing weight for trailer operation) <sup>5)</sup>  | —                   | 65                      | 273   | —  | ○  |
| <b>Exterior features</b>   |                     |                         |       |    |    |
| Bike rack for 3 bikes (lowerable)  | —                   | 20.5                    | 7482  | ○  | ○  |
| Bike rack for 3 bikes (rear)   | —                   | 9.6                     | 938   | ○  | ○  |
| Omnistor cassette awning 4.0 m (manual)  | —                   | 34                      | 859   | ○  | —  |
| Omnistor cassette awning 5.0 m (manual)  | —                   | 40                      | 697   | —  | ○  |
| Panorama skylight 70 x 50 cm above the pull-down bed   | —                   | 6                       | 246   | ○  | ○  |
| Stable, double-glazed flush-fitting windows with integrated blinds and flyscreens  | GT                  | 1                       | 415   | ○  | ○  |
| <b>Interior design</b>   |                     |                         |       |    |    |
| Upholstery Duke  | —                   | 0                       | 11949 | ○  | ○  |
| <b>Textile equipment</b>   |                     |                         |       |    |    |
| Carpet, loose  | —                   | 4.7                     | 851   | ○  | —  |
| Carpet, loose  | —                   | 6.7                     | 851   | —  | ○  |
| <b>Furniture layouts</b>   |                     |                         |       |    |    |
| ISOFIX child seat bracket for third and fourth seat facing direction of travel   | —                   | 4                       | 8125  | ○  | ○  |
| Option to convert single beds to double bed  | —                   | 7.5                     | 1883  | —  | ○  |
| <b>Kitchen</b>   |                     |                         |       |    |    |
| Fridge (137 l) instead of tall wardrobe  | —                   | 20                      | 713   | ○  | —  |
| <b>Bathroom</b>  |                     |                         |       |    |    |
| Additional window in bathroom  | —                   | 5                       | 372   | ○  | ○  |
| Shower grid  | —                   | 2                       | 1657  | ○  | ●  |
| <b>Multimedia</b>  |                     |                         |       |    |    |
| Automatic HD satellite system 65 Twin <sup>7)</sup>  | —                   | 11                      | 11258 | ○  | ○  |
| Dethleffs Naviceiver incl. DAB+, truck navigation and connection to on-board control panel <sup>6)</sup>   | —                   | 3.65                    | 9582  | ○  | ○  |
| Flat screen 22" HD TV (incl. DVD player, HDMI, DVB-S2 satellite receiver and terrestrial DVB-T2 receiver) <sup>8) 9)</sup>                       | —                   | 3.5                     | 11506 | ○  | ○  |
| Flat-screen TV bracket   | —                   | 2                       | 325   | ○  | ○  |
| Rear view camera (single camera)   | —                   | 1.1                     | 1642  | ○  | ○  |
| Second reversing camera in rear moulding   | —                   | 1                       | 11541 | ○  | ○  |
| <b>Heating</b>   |                     |                         |       |    |    |



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.

# Optional equipment\*\*

|  | Included in package | Additional weight (kg)* | Code  | I 1 | I 6 |
|--|---------------------|-------------------------|-------|-----|-----|
| Digital control element for hot-air heating  | —                   | 0.1                     | 6622  | ○   | ○   |
| Floor heating electric (partial) <sup>10)</sup>  | —                   | 5                       | 763   | ○   | ○   |
| Gas hot-air heating 6kW with 1.8kW electric heating element and hot-water boiler incl. digital control panel | WI-KO               | 1                       | 330   | ○   | ○   |
| <b>Air Conditioning</b>  |                     |                         |       |     |     |
| Roof A/C   | —                   | 40                      | 609   | ○   | ○   |
| <b>Electrical installation</b>   |                     |                         |       |     |     |
| Second leisure battery AGM, 95 Ah <sup>11)</sup>   | —                   | 27                      | 830   | ○   | ○   |
| Solar power system 100 watt  | —                   | 12.6                    | 922   | ○   | ○   |
| <b>Water supply</b>  |                     |                         |       |     |     |
| Insulated waste water tank   | WI-KO               | 11                      | 665   | ○   | ○   |
| Switch for water pump  | WI-KO               | 0.2                     | 397   | ○   | ○   |
| <b>Gas supply</b>  |                     |                         |       |     |     |
| Automatic gas cylinder switchover incl. crash sensor, EisEx and gas filter                                   | —                   | 2.5                     | 1577  | ○   | ○   |
| Outdoor gas socket gas pressure 30 mbar  | —                   | 1.3                     | 878   | ○   | ○   |
| <b>Safety</b>  |                     |                         |       |     |     |
| 2 kg fire extinguisher   | —                   | 4                       | 1878  | ○   | ○   |
| Alarm system (for door with central locking)   | —                   | 0.5                     | 322   | ○   | ○   |
| Safe   | —                   | 4.7                     | 323   | ○   | ○   |
| Smoke detector   | —                   | 0.2                     | 1891  | ○   | ○   |
| <b>Packages</b>  |                     |                         |       |     |     |
| Chassis Package  | —                   | 4.5                     | 12125 | ○   | ○   |
| Family Package   | —                   | 60.1                    | 12151 | ○   | ○   |
| Globebus GT Package  | —                   | 89.6                    | 13992 | ○   | ○   |
| Light Moments Package  | —                   | 2                       | 11352 | ○   | ○   |
| Pre-wiring kit   | —                   | 7.6                     | 11350 | ○   | ○   |
| Winter Comfort Package hot air heating Globebus I1   | —                   | 25.2                    | 8251  | ○   | —   |
| Winter Comfort Package hot-air heating Globebus I6   | —                   | 28.2                    | 8251  | —   | ○   |
| <b>Miscellaneous</b>   |                     |                         |       |     |     |
| Registration documents (CoC papers)  | —                   | 0                       | 15152 | ◆   | ◆   |

○ Optional equipment — Not possible ● Standard equipment ◆ Mandatory ▲ Zum Zeitpunkt der Veröffentlichung nicht bekannt

GT GT Package WI-KO Winter Comfort Package



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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.



# 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  $3 * 75 \text{ kg} = 225 \text{ kg}$ .

## 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  $\geq 10 * (n + L)$

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.  $10 \text{ kg} * (4 + 6) = 100 \text{ kg}$ .

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\*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\*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, 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 **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\*75 kg **mass of the passengers**  
 150 kg **optional equipment** ordered for the specific vehicle  
 = 218 kg **sactical 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.