

# XL Family A Class



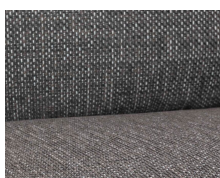
Ready for great adventures – whatever the season: the XL Family I is the perfect A class for families with wanderlust. 180 hp (132 kW), automatic transmission and a premium low-frame chassis ensure confident driving, even with lots of luggage. Thanks to ALDE hot water heating, a heated double floor and frost-protected installation, it stays cosily warm even when the temperature drops below zero. Gourmet kitchen, centre bathroom and durable body construction make it a real family home on wheels.

## Technical info

Overall length, approx.	860 cm
Overall width, approx.	232 cm
Overall height, approx.	304 cm
Headroom in living area, approx.	208 cm

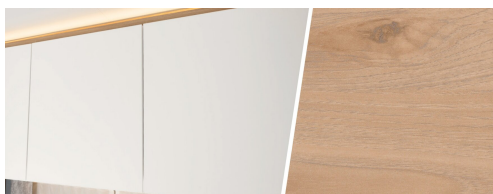
Maximum values partly not possible for all models or only in connection with certain options.

## Upholstery



+ Upholstery Floyd

## Wood décor



+ Wood décor Noce Nagano

## Plus factors

- + 180 hp (132 kW) Multijet engine, 8-speed torque converter automatic transmission, full LED headlights, cruise control, air conditioning, state-of-the-art assistance systems and much more.
- + Ideal driving characteristics: premium low-frame chassis with 220 mm lowering and 5.4 tonnes gross vehicle weight rating
- + Absolute winterproof: double floor with frost-proof water installation
- + Hot water heating for even heat distribution and a cosy feeling - even in icy temperatures
- + Huge, heated rear garage with 250 kg surface load, loadable on both sides, anti-slip floor covering, lashing rails, lighting, 230 V socket
- + Double-glazed flush-fitting windows
- + Side walls, rear and roof made of robust, hail-resistant GRP with XPS insulation
- + Luxurious standard equipment including aluminium wheels, 6m awning, refrigerator with oven, Omnivent roof ventilator, Naviceiver with 9-inch touch display, 2 rear view cameras and much more.
- + 10-year tightness guarantee!



# XL Family A Class

## Technical info



XL Family A Class		I 7812-2
Standard chassis		Fiat Ducato Maxi AL-KO Low Platform 3-axle
Standard engine		180 Multijet 3 Power
kW (bhp)		132 (180)
Emission standards		Euro VI-E
Overall length, approx.	cm	860
Overall width, approx.	cm	232
Overall height, approx.	cm	304
Headroom in living area, approx.	cm	208
Towable load braked/unbraked	kg	1800 / 750
Wheelbase, approx.	mm	4500
Bed dimension: Front bed, L x W, approx.	cm	196 x 150
Bed dimension: Central / middle bed, L X W, approx.	cm	210 x 93
Bed dimension: Rear bed, L x W, approx.	cm	2x 200 x 80 / 211 x 200
Sleeping berths standard / max.		5
Mass in running order (+/-5%)*	kg	3810 (3620 to 4001)*
Manufacturer-specified mass for optional equipment*	kg	1231
Technically permissible maximum laden mass*	kg	5400
Permitted number of seats (including driver)*		4 - 5 ○
Refrigerator volume (thereof freezer), approx.	l	137 (15)
Waste water tank, approx.	l	156
Fresh water tank capacity, total/ Fresh water tank capacity at driving filling	l	166 / 20
Measurement storage opening left (W x H)	cm	100 x 120
Measurement storage opening right (W x H)	cm	100 x 120

○ 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

I 7812-2

Fiat chassis	
Alloy wheel FIAT 16", black (for 3-axle)	●
Fiat Ducato Maxi ALKO low platform 3-axle (5,400 kg) Multijet 180 (2.2 l / 132 kW / 180 hp) Heavy Duty, 8-speed torque converter automatic transmission	●
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	●
Automatic cab air conditioning, digital speedometer with 7" instrument cluster and wireless phone charger in the centre console	●
Captain seats for driver and front passenger, swivel function	●
Crosswind Assist	●
Cruise control	●
Cup holder in the centre of the dashboard	●
Dashboard with aluminium application	●
Diesel tank 90 litre incl. 19L AdBlue tank	●
Driver and passenger airbags	●
Driver and passenger detection	●
ESP incl. ASR, Traction Plus, Hill Holder and Hill Descent Control	●
Front-wheel drive	●
Height and tilt adjustment and double armrests for driver and passenger seat	●
LED daytime running lights	●
Leather steering wheel and gear knob withleather sleeve	●
Low-vibration coach-style exterior mirrors that can be heated and adjusted electrically (two-piece)	●
Padded double armrests, fabric cover	●
Pleated privacy blind in the windscreen can be adjusted horizontally and laterally for the best insulation	●
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)	●
Exterior features	
Dethleffs Exclusive rear light carrier with ShapeLine LED taillights, 3rd brake light integrated in rear spoiler and retracted rear wall	●
70 cm wide habitation door	●
Double floor storage, some of which can be loaded across almost the entire vehicle width	●
Double-glazed flush-fitting windows with blackout & mosquito protection	●
Driver's cab door left	●
Exterior design GT (rear light moulding with black diffuser, front I-paint partly black, radiator grille with chrome piping, skidplate "red")	●
Floor thickness: 42 mm, side wall thickness: 34mm and roof thickness: 35 mm	●
Flyscreen habitation door	●
GRP roof	●
Habitation access with comfortable coupe entrance	●
Habitation access with comfortable, wide, electric step	●
Habitation door with window incl. blackout and central locking (incl. cab door)	●
Large rear garage: two garage doors/flaps with turn/tighten lock, rear lowering (250 kg surface load), anti-slip surface, heated, lashing strips, illuminated, 1x 230 V socket	●
Lifetime Smart construction technology: rot-free floor construction with no wood inserts, with GRP cladding on the underslung and roof	●
Omnistor cassette awning 6.0 m (manual) <sup>25)</sup>	●
Panorama skylight 70 x 50 cm in the living area	●
Panoramic skylight 40x40 cm with flyscreen and blackout blinds above the pull-down bed	●
Roof vent with fan	●
Side panels and rear panel made of resistant high-gloss GRP with smooth, shiny surface	●
Skylight 40 x 40 cm above rear bed	●
XPS insulation	●

# Standard equipment

17812-2

## Exterior design

Exterior body painted in white



## Interior design

Upholstery Floyd



Wood décor Noce Nagano



## Textile equipment

Rear beds with ergonomic wooden slatted frames and 110 mm thick 7-zone premium mattresses made from climate-regulating material



## Furniture layouts

AirPlus overhead locker rear ventilation to avoid condensation



Bed convert for seating lounge transverse



Cosy L-shaped seating group with free-standing, lowerable table base and 2 integrated 3-point belts



High-level single beds incl. comfortable access via steps



ISOFIX child seat bracket for third and fourth seat facing direction of travel



Manual pull-down bed in the driver's cab



No steps in living room



Option to convert single beds to double bed



Overhead locker doors with soft-close function



Wardrobe floor-to-ceiling with convenient linen drawers in upper area



## Kitchen

Fridge (137 l) with integrated oven



Gourmet kitchen: two-ring hob, large drawers, cutlery tray, bin and generous worktop



Kitchen backsplash



MultiFlex rail system incl. hooks (further accessories via Dethleffs Original Accessories)



## Bathroom

Equipped with cabinets, storage compartments, hooks, large mirrors and a height-adjustable shower head



Shower grate



Shower panel and bathroom accessories in black



Window in bathroom



## Multimedia

DAB+ radio antenna mounted on the roof



Dethleffs Naviceiver incl. DAB+, truck navigation, wireless Apple CarPlay and Android Auto



Integrated single-lens rear view camera



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



Second rear view camera in rear moulding



## Heating

Heat exchanger for hot-water heating



Hot-water carpet for the driver's cab



Hot-water heating with boiler, automatic drain valve and shut-off valve for the sleeping area and digital control panel



## Air Conditioning

Pre-wiring for roof A/C



## Electrical installation

Automatic switch-on/disconnect for starter battery, leisure battery and refrigerator



Awning light 12 V



Dethleffs connect - System Control Unit Lite



EBL with separate FI protection switch



LED lighting throughout the vehicle



Leisure battery AGM, 95 Ah



Light Moments: Clad seat chest side with indirect lighting



Light Moments: Indirect ambient lighting above the overhead lockers



Light Moments: Indirect wall surface ambient lighting



Light Moments: illuminated kitchen splashback



# Standard equipment

I 7812-2

Number of sockets 1x 12V, 7x 230V, 4x USB	●
Pre-wiring for solar	●
Premium on-board control panel with touchscreen	●
Spotlights in the roof lining above the habitation door	●
Water supply	
Fresh water and waste water tanks installed in double floor (insulated area)	●
Submersible pump	●
Switch for water pump	●
Gas supply	
Automatic gas cylinder switchover incl. crash sensor and EisEx	●
Outdoor gas socket gas pressure 30 mbar	●
Storage space for 2 gas bottles with a filling weight of 11 kg each	●

# PACKAGES XL FAMILY A CLASS

Technic Package (14140)	
Hydraulic lifting jacks with automatic levelling and weighing function	
Top View 360° HD camera	
Roof A/C	
Additional weight (kg)*	114.5

△ 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 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<sup>\*\*</sup>

	Included in package	Additional weight (kg)*	Code	17812-2
<b>Fiat chassis features</b>				
5th seat with seat belt	—	11	435	○
Rear corner steadies (2 pieces)	—	6.8	390	○
Tow bar (observe when operating trailers with a maximum authorised load)	—	35	273	○
<b>Exterior features</b>				
Bike rack for 3 bikes (lowerable)	—	20.7	7482	○
Omnistor cassette awning 6.0 m (electric) <sup>25)</sup>	—	6	519	○
<b>Textile equipment</b>				
Carpet, loose	—	8.3	851	○
<b>Multimedia</b>				
5G WLAN router incl. 4x4 roof antenna	—	1.5	14899	○
5G Wi-Fi router incl. 4x4 roof antenna with 32" smart TV incl. flat screen bracket	—	11.5	15168	○
Automatic satellite system 85 Twin with 32' flat screen incl. flat screen bracket	—	26	15167	○
Flat-screen TV bracket	—	2	325	○
<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	○
<b>Safety</b>				
2 kg fire extinguisher	—	4	1878	○
Smoke detector	—	0.2	1891	○
<b>Packages</b>				
Technic Package <sup>22)</sup>	—	114.5	14140	○
<b>Miscellaneous</b>				
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 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.