

SETRA

The Sign of Excellence.

The TopClass 500.
Designed to inspire.







What drives us.

What really drives us is a passion for creating something greater. A passion that isn't entirely fulfilled by our wanting to design and build technologically excellent coaches. Our thought process begins at a much earlier stage. It puts people and their needs at the centre of every development we undertake: the passengers, the driver and of course the operator. Every Setra is specifically customised to your business plans and that is how we can ensure maximum over cost-effectiveness. That is ultimately the take-off point for what we do.

The TopClass coaches embody this attitude superbly. The greatest possible long-distance comfort, individualised luxury and technological excellence come together in an unsurpassed travel experience. Meticulous attention to detail and distinctive prestige make the TopClass the flagship of any fleet.

Our commitment to building exceptional coaches is almost as old as the history of the coach itself. As the pioneer and progressive thinker Otto Kässbohrer invented the self-supporting coach body over 60 years ago, a far-reaching idea was born. One that would forever change the world of coaches and buses. Welcome on board!



The TopClass 500: Travel at its very best.

When we developed the TopClass 500, we had an ambitious goal in mind. We wanted to build a coach that inspires even the most discerning passengers in all respects. A coach that transforms the journey itself into an experience – bringing together maximum comfort, innovative design and high quality. And one that is a paragon for cost-efficiency in its class.

With this benchmark in mind, a bus concept was created. One that entirely redefines the whole idea of comfort in coach construction. With its timeless elegance, dynamic design and luxurious amenities, the TopClass 500 conveys an exclusive travel feeling to passengers, while motivating the driver and enhancing every fleet.













Expanding horizons.

High-quality materials define the TopClass 500's passenger compartment – which is flooded with natural light during the day and attractively illuminated at night thanks to an ingenious lighting concept.

The optional, large TopSky Panorama glass roof, low-reaching windows and upwards drawn ceiling on the sides together create fantastic, all-round visibility for all passengers – ideal for both city and overland routes. The TopClass 500's generous interior standing height also contributes to a great feeling of spaciousness.

The state-of-the-art heating and cooling concept ensures that all passengers enjoy an equally high level of climate comfort – whether in the first or last row of seats. This is enabled by the two separate control zones in the fully automatic air conditioning's floor and ceiling circuits. And, with the optionally available innovative, under-seat fan heating, no one has to worry about cold feet.

High-quality seats also add to passenger well-being in a very special way. With their spring-mounted seat cushions and ergonomically shaped backrests, they offer the ultimate in comfort and ease of use. To allow aisle-side passengers an enhanced view to the outside, as an option, the seats can be offset by six inches forward to the front of the window seats.





A sense of well-being the moment you enter.

Pleasing spaciousness and openness characterise the TopClass 500 from the first moment onwards. Even as you first board the coach, you'll experience a unique feeling of comfort, which begins with the kneeling function, through which the entrance height for travellers is noticeably reduced. Your passengers access the interior of the TopClass 500 through the elegantly designed entrance area with its rounded steps. A high, dome-like roof arches above the spacious entrance area. Welcome on board!

Comfortable access: The front entrance of the TopClass 500 with its rounded steps and curved handrail is pleasingly spacious and inviting.

Exclusivity abounds. Stunning details characterise the interior of the TopClass. The high-quality visually appealing air duct covers, for instance. The lighting concept – with indirect ceiling lighting and attractive ambient lighting – creates a pleasing atmosphere.

When it comes to space, the new TopClass displays great versatility. The optional even floor allows you to select exclusive 2+1 seating or another customised configuration. Or should it be a club corner? The TopClass 500 allows you all the freedom you want.



Ideal conditions for connectivity as well: The optional Coach MediaRouter enables your passengers to access the Internet via wireless LTE-speed WLAN. Via the router, you can also provide your passengers with media content such as movies, music and images, which they can retrieve for their personal on-board entertainment via smartphone, tablet or other.



More capacity: Since the WC in the TopClass is positioned further below, the space above it can accommodate another pair of seats.



The service sets stand out with a high-quality look and feel – thanks to their delicate aluminium applications and LED main light with 3D effect.



Only the best perspectives: The window sills extend downwards which, in combination with the special ceiling concept, gives passengers a uniquely generous view.







Driving at its most beautiful.

Comfort you can feel, outstanding ergonomics, exclusive design: more than ever, the TopClass 500 is tailored to the well-being and requirements of the driver. Its cockpit achieves an all-new level of distinction with its extremely high-quality appearance and superbly coordinated components. It is not only splendidly integrated to the entrance, it cradles the driver – an aspect that is visually accentuated by an elegantly curved aluminium inlay. This is a cockpit that fully lives up to its name – and one where the driver immediately feels comfortable.

In the TopClass 500's cockpit, elegance, clarity and harmony prevail throughout: from the pleasing ambient lighting through to the standard-series leather steering wheel. A uniform, intuitive operating and display concept brings together all instruments within a single colour display.

The TopClass 500's new Multifunction Key opens access to a wealth of possibilities. As a personal attendant, it helps the driver prepare for each trip – efficiently and conveniently. Vehicle data such as fuel and AdBlue levels, tire pressure, exterior and interior temperatures, as well as vehicle voltages, can be called up, displayed and even retrieved from a distance. Furthermore, functions such as pre-heating, interior lighting, luggage compartment release, and many more can be conveniently controlled. The Multifunction Key is an extremely convenient digital assistant.



More convenience and quality: The heating and air conditioning system features an entirely new user interface, including a brilliant colour display.



A full-scale workstation: The attendant not only has a comfortable seat, but also a spacious storage compartment and an electric travel guide with a storage box.



Relaxed on the road: A customised fabric collection was developed for the new optional ISRI driver's seat. Its colour and design concept perfectly matches that of the passenger seats.



Reassuringly safe travel.

When it comes to protecting the coach's occupants, the TopClass 500 is a paragon in its class. Several safety systems are already now standard on board.

For example, every TopClass 500 is equipped with the further enhanced version of Front Collision Guard (FCG). As well, with its significantly increased structural strength, the coach is ideally prepared to fulfil new requirements. The Active Brake Assist 3 (ABA 3) feature is also standard equipment. Also available optionally is the Attention Assist (AtAs) feature which recognises a driver's fatigue and actively warns him.

The TopClass' modern lighting concept impressively completes the coach's high safety standard – optically as well. Bi-xenon headlights, for low and high beams, light up the roadway as standard. Striking, maintenance-friendly LED lights are found throughout the entire coach. Optionally, we can equip your TopClass with long-life LED headlamps – for more brightness and greater reach. Two additional reversing lights, located in the area of the driving axle, brighten the vehicle surroundings when manoeuvring.

All this results in a safety concept that is truly unique in its combination of active and passive systems. Find out more about the TopClass series' safety features in the glossary on pages 24 and 25 as well as at www.setra-bus.com.



Seeing and being seen better: The long-life LED headlamps (option) with a very precisely definable, bright light beam ensure improved safety. The light colour corresponds to that of daylight and therefore results in the driver's eyes becoming tired less quickly.



Reassuring: The advanced Active Brake Assist 3 (ABA 3), also recognises stationary obstacles – for example, the tail end of a traffic jam.



Bright and alert: The Attention Assist (AtAs, option) can recognise the driver's fatigue and, using an optical signal, it advises him to take a break.



Safety pays off: The optional Tire Pressure Monitoring System (TPMS) with a display in the instrument cluster, makes checking tire pressure more convenient than ever. It also warns the driver of too high tire temperatures. At the same time, it helps prevent tire damage, which in turn serves safety and cost-effectiveness.



Unmatched cost-effectiveness.

The TopClass 500's vehicle concept brings your passengers a uniquely comfortable experience – and you, as an operator, benefit from a significant increase in cost-effectiveness.

For instance, thanks to a number of vehicle-specific measures, the TopClass' fuel consumption is exceptionally favourable. On the one hand, this is a result of the latest generation of BlueEfficiency power engines from Mercedes-Benz with BlueTec 6 exhaust aftertreatment.

On the other hand, the vehicle weight is surprisingly low due to targeted reductions, so that passenger capacity and payload are pleasingly high. And finally, intelligent energy and consumption management, as well as an unprecedented drag coefficient of 0.33, contribute to the TopClass 500's low consumption.

With the optional Predictive Powertrain Control (PPC) feature, Setra offers the driver a driver assistance system which, in addition to speed and brake control, intervenes in the automatic transmission control.* Because the system knows the topography ahead thanks to GPS maps, it can proactively optimise switching times and cruise speed – especially in ascent and descents – and therefore act more fuel-efficiently.

The TopClass' maintenance costs are especially favourable – which further increases its cost-effectiveness. Long service intervals, good component accessibility and an ingenious exchange system for exhaust aftertreatment are also noteworthy.

* 95% of approx. 300,000 km of highways and federal roads in Europe are currently already covered.



More cost-effective on the road: The Eco Driver Feedback (EDF, optional) gives the driver individual feedback on his personal driving style. The goal is to exploit every potential in terms of fuel savings.



Consumption optimisation made easy: Predictive Powertrain Control (PPC, optional), in combination with the PowerShift transmission, ensures an efficient speed curve and an optimal gearshift sequence based on forward-looking topography.

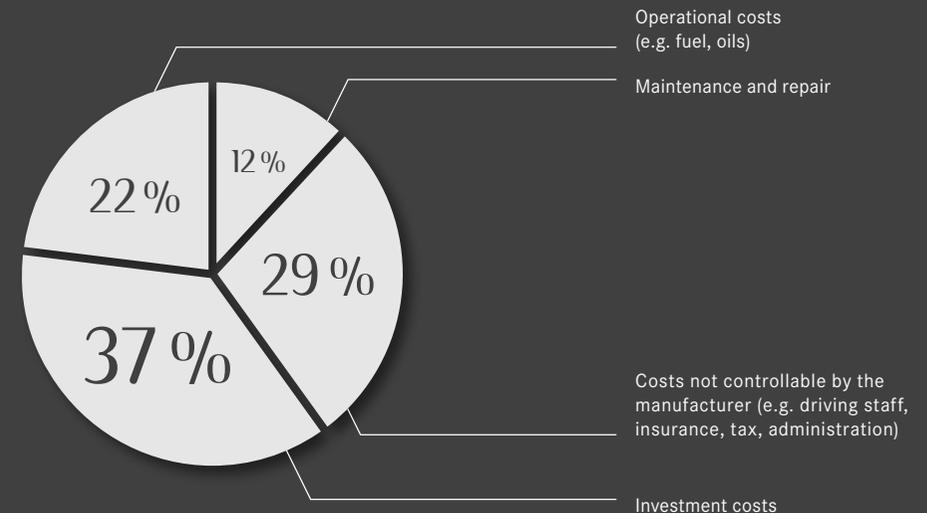




Total Cost of Ownership (TCO): Your TopClass coach's overall cost-effectiveness.

A long-term investment, economical consumption, favourable maintenance costs: the TopClass is even more impressive when you consider its cost-effectiveness throughout its entire lifecycle and beyond. With every TopClass, you are investing in a coach with exceptionally high value retention and guaranteed residual value at *BusStore*. To ensure the best possible individualised cost-effectiveness, we make sure to adapt the coach's equipment to your needs, as well as financing, service packages and service contracts to your specific business application.

Consumption-optimised engines and transmissions, high-level aerodynamics, DriverTraining programmes and so much more all contribute to reduced fuel costs. Add to this long maintenance intervals which also reduce your operational costs, as well as the large OMNIplus Service Network. In short: your TopClass delivers super performance for your bottom line as well.



TCO cost shares using a TopClass S 516 HDH as an example.
Assumptions: 8 years at 80,000 km, in the German market.

Service and support for you and your Setra.

As valuable and customised as your coach.



OMNIplus Service on the road.

As a professional, you need a partner who will ensure that your Setra is always kept on the move: a partner like OMNIplus. It offers you the most comprehensive coach- and bus-specific ServiceNetwork in Europe with over 600 authorised Service Points as well as the advantageous ServiceCard. The reliable 24h SERVICE is being further optimised thanks to telediagnosis and other advancements. With TireService and the Germany-wide BusPool, OMNIplus also delivers reliable assistance in the case of a breakdown.

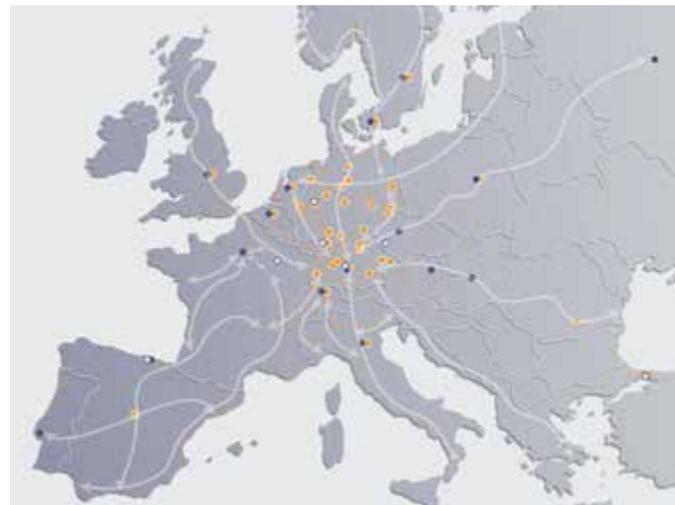
OMNIplus Service at home.

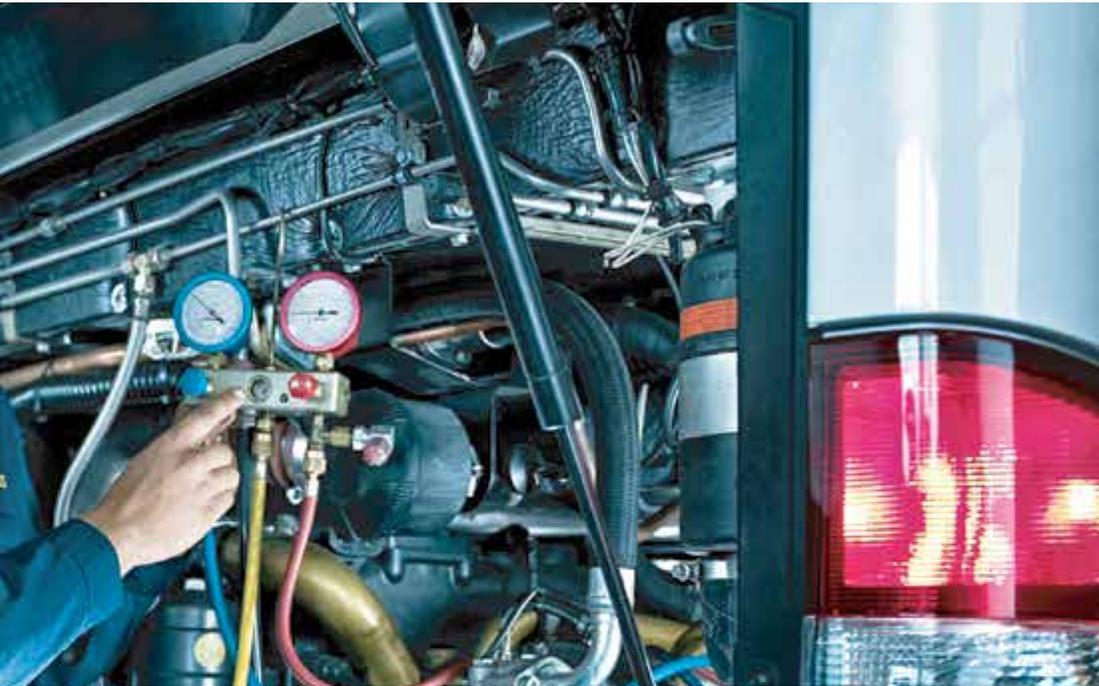
OMNIplus also makes sure that you save time and money. Increase your fleet's availability with the comprehensive Service BusDepot Management, and take advantage of our flexible BasicPlus and Premium Service Contracts for repairs and maintenance. You select what makes most sense for you need in terms of yearly mileage, and then combine it with the most suitable terms for your business.

Furthermore, OMNIplus is your contact for original parts and accessories as well as proven-quality, original spare parts.

Just the right training program.

Our experienced OMNIplus training specialists will provide you with practical solutions to the challenges you are currently facing. Whether you're looking for safety, eco, vehicle or emergency training, whether you need to update your technical knowledge for repair and maintenance work, for drivers or workshop personnel: OMNIplus offers the right training to address any requirement. More information is available at www.omniplus.com





The ideal partner for your pre-owned.

With *BusStore*, the brand for pre-owned vehicles in Europe, you can count on a reliable partner when buying a pre-owned coach or bus. And, if you decide on a new Setra coach, we'll accept your used vehicle as down-payment at competitive conditions. Your Setra contact person will be pleased to take care of all the details and handle the entire process for you with *BusStore*.
www.bus-store.com

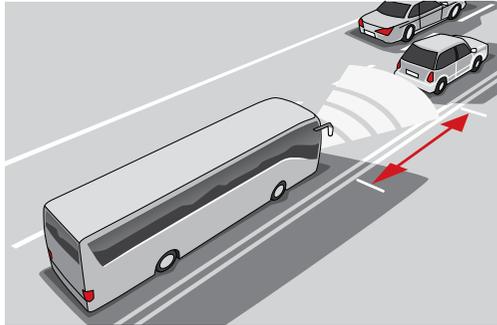
On the move with FleetBoard Bus – efficiently and cost-effectively.

With the modular telematics system from Daimler FleetBoard, you'll discover untapped potential savings on your coach tours. The bus- and coach-specific fleet management includes numerous features to optimise the quality of driving and driving processes. FleetBoard can make a significant contribution to reducing fuel consumption and vehicle wear, and to increasing your quality of service.
www.fleetboard.com

Financial services for coaches and buses.

Mercedes-Benz Financial Services is the specialist for high-performance financial services for Setra coaches and buses. Because we know the industry and its requirements inside out, you can count on extremely competitive financing and leasing services. Our experts will advise you personally and develop highly attractive offers for you. For instance, over and above standard financing, we also offer seasonal rates or final instalment financing to enable you to remain financially flexible, or even a fully customised financing strategy to meet your individual needs. More information can be found at www.mercedes-benz-bank.de

Technology in detail. Find out more about the TopClass 500's important features and options.

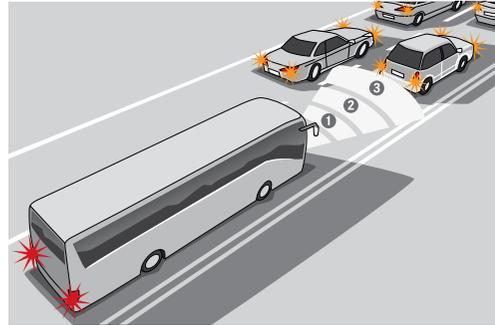


Adaptive Cruise Control (ART).

The Adaptive Cruise Control feature relieves the driver by maintaining a constant distance – defined by the driver – from the vehicle ahead, based on continuous measurements. This not only increases safety on country roads and highways, but also convenience.

A radar system, which guarantees outstanding functionality even under poor weather conditions and in the dark, monitors a distance of up to 200 meters in front of the vehicle and to the full width of the road. Should a variably defined security distance to the vehicle driving ahead be undercut, ART slows down the coach so that the safety zone is maintained. Many rear-impact collisions can therefore be avoided.

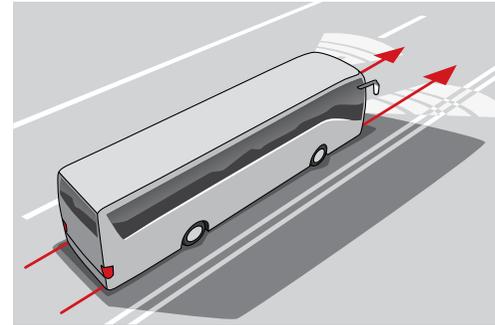
Unlike the emergency assistant Active Brake Assist 3 (ABA 3), ART initiates a smooth braking with maximum 20 percent of its possible power.



Active Brake Assist 3 (ABA 3).

In cases where the distance from the front vehicle falls below that determined by the Adaptive Cruise Control (ART) feature, the emergency assistant Active Brake Assist (ABA) kicks in. The radar-controlled system continuously scans the road at a distance of between 0.25 and 200 meters. If the distance lowers dangerously and if an accident at this speed is deemed unavoidable, the system warns the driver in a 1st step using optical and acoustic signals. If he doesn't react, the ABA feature mechanically prepares the braking system for an immediate braking in a 2nd step. If the driver still doesn't react, the ABA independently initiates full braking in a 3rd step.

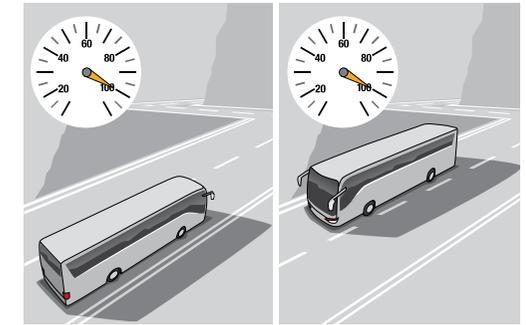
ABA 3 not only recognises vehicles driving ahead, but also non-moving obstacles. Here as well, the system initiates – similarly to the ABA warning cascade – a partial braking automatically. And in critical situations, a full braking if the driver doesn't react. This can be decisive, for instance, when you run into unexpected traffic congestion on a highway.



Lane Assist (SPA).

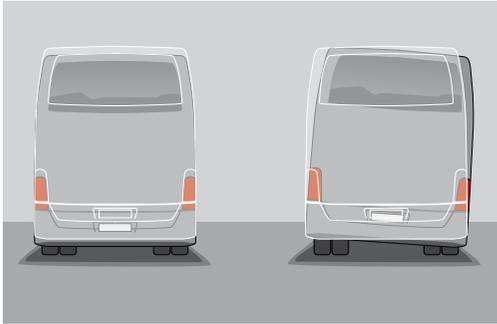
Driver fatigue ranks among the most frequent causes of accidents. The Lane Assist feature, at the heart of which is a camera positioned behind the front windscreen, continuously measures the lateral distance to side road markings. If the driver moves out of the lane, the system warns him through a vibration in the seat.

To avoid false alarms, the Lane Assist is only activated at speeds of at 70 km/h. This prevents problems along construction sites, where coaches hardly drive at speeds greater than 70 km/h. If the driver consciously changes lanes and puts the blinker on, the Lane Assist recognises this and does not give a warning.



Continuous Braking Limiter (DBL).

The Continuous Braking Limiter (DBL) safety feature prevents the vehicle from accelerating beyond a predetermined speed on inclines, stabilising the speed. It makes use of the Retarder which prevents overheating of the standard brake, and which is in this case combined with a speed control. For the Continuous Braking Limiter, the driver can define a fixed speed, which should not be exceeded on inclines. Moreover the system prevents the allowed maximum speed of 100 km/h to be exceeded, through warnings in the central display and through braking interventions. Driving on inclines is therefore not only made safer but considerably more comfortable.



Level lowering and kneeling.

The new TopClass 500 is equipped with an electronic level control system. Its control mechanism sources data from 4-way sensors which are positioned outwards on the rear axle. The electronic level control offers clear benefits to operators as well as passengers. On the one hand, at high speeds, the level of the coach is automatically lowered, which in interaction with the very aerodynamic design of the TopClass 500, contributes to optimised fuel consumption. And on the other hand, the system offers the “kneeling” possibility, which allows the level of the non-moving coach to be lowered on one side, to facilitate passenger entry into the coach.

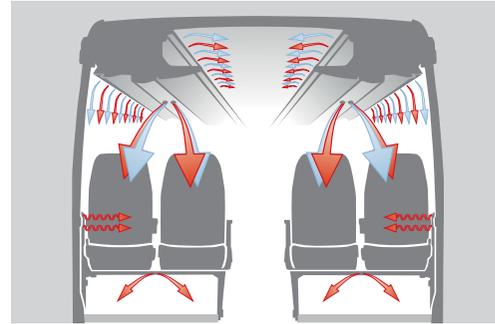


Front Collision Guard (FCG).

In the case of a frontal collision, the Front Collision Guard (FCG) offers increased safety in the front part of the vehicle and reliable underride protection through a cross profile. Crash elements, with an absorber structure which transforms impact energy into distortion energy, are positioned behind the FCG’s cross profile. This considerably reduces the outcome of the impact.

Since the driver’s work space, incl. steering, pedals and seat, is mounted on a massive frame component, it can be pushed backwards to maintain a protective space for the driver in the case of severe frontal impact. So, the interplay of Active Brake Assist 3 (ABA 3) and FCG can achieve unparalleled levels of safety for the driver and attendant, and ultimately for passengers as well.

The FCG fulfils the requirements of the underride guard according to ECE-R 93, as well as legal norms for pendulum impact in coaches.



Heating and air conditioning.

The TopClass 500’s heating and air conditioning concept was completely redesigned. On the one hand, all passengers enjoy the same relaxing comfort, thanks to the distribution into two major temperature control zones – front and rear. On the other, every seat offers three separate thermal or air sources: an outlet in the service set above the seat, a pleasantly tempered window sill (optional), and a heat outlet below the seat – absolutely unique in a touring coach. This all-new patented under-seat heating system (optional) ensures pleasing warmth, as well as fast and remarkably cost-effective heating of the passenger compartment.



Electronic Stability Programme (ESP).

significantly reduces the risk of skidding, by counteracting the vehicle’s swerving through targeted braking of individual wheels. High-performance electronics monitor the signals of ESP sensors and continuously check whether the driver’s steering intention and the actual motion of the vehicle correspond. If the values differ, the system instantly reduces the engine power to re-establish the vehicle’s balance and stability. If this is not sufficient, the system additionally brakes individual wheels.

Two further active safety systems are included in the ESP system: the Anti-Block system (ABS) and the Integrated Traction Control (ASR).

The TopClass 500 that suits you best.

All models at a glance.

The TopClass 500 features the largest luggage compartment in the premium coach segment. Since it can be perfectly tailored to meet your specific applications, it is especially cost-efficient for you on the road. No matter which version you choose, they all deliver an impressive price-performance, fair investment costs per seat, unprecedented availability and, above all, high future security.



S 515 HDH

Length: 12,495 mm · Seats: 51 · Luggage compartment capacity: approx. 8.9 m³



S 516 HDH

Length: 13,325 mm · Seats: 55 · Luggage compartment capacity: approx. 11.4 m³



S 517 HDH

Length: 14,165 mm · Seats: 59 · Luggage compartment capacity: approx. 13.9 m³

All information on seats and luggage compartment capacity comply with the current series.



Important for you. Important for us. Technical Data Stored in the Vehicle.

Electronic vehicle components (e.g. Airbag Control Unit, Engine Control Unit) contain data storage for vehicle Technical Data, including but not limited to Diagnostic Trouble Codes in the event of a malfunction, vehicle speed, braking force, or operating conditions of the Restraint System and Driver Assistance Systems in case of an accident (no audio and no video data recording). This data is either stored volatile, punctual as snapshot e.g. Diagnostic Trouble Codes, over a short period of time (a few seconds only) e.g. in case of an accident or in aggregated form e.g. for component load evaluation. The data can be read using interfaces connected to the vehicle. Trained technicians can process and utilize the data to diagnose and repair possible malfunctions. The manufacturer can use the data to analyze and improve vehicle functions. When requested by the customer, Technical Data can form the basis of additional optional services.

In general, data from the vehicle is transferred to the manufacturer or a third party only according to legal allowance, or based on a contractual customer consent in accordance with data protection laws. Further information regarding storage of vehicle Technical Data is provided in the vehicle Owner's Manual.

Setra Buses and Coaches naturally handles customer data confidentially.

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Changes to products may have arisen after this document went to press on 15.06.2016.

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