The TopClass S 431 DT.
The high art of travel.
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.

With exceptional comfort and superb spaciousness on two levels, the TopClass S 431 DT bears witness to the fact that luxury and efficiency are not mutually exclusive. The unrivalled TopClass travel experience and highest possible variability make it a truly exceptional phenomenon in the premium segment – and more cost-effective than two coaches at full occupancy.

Our commitment to building exceptional coaches is almost as old as the history of the coach itself. As the pioneer and progressive thinker Otto Kassbohrer 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!
More seats, more comfort, more fascination: sometimes you just want more! An excellent reason to get to know the TopClass S 431 DT. Its dynamics and elegance make this coach the highlight of any fleet. Achieving perfection, it embodies the pinnacle of coach engineering: the double-decker.

Whether for city or long-distance tours, a company excursion or a school trip: with its high level of comfort on two levels, the S 431 DT is not only pleasingly luxurious, but with up to 93 seats*, a WC and optional galley, it is just as cost-effective as it is versatile. And ready for a variety of touring assignments. Welcome to the world of the TopClass S 431 DT.

* The number of seats depends on other equipment, also with regards to overall weight. To find out more, you can speak with your Setra partner.
Welcome on board. In the tastefully appointed lower deck, fine materials and quality details await your travel quests. On the road, they’ll be impressed by the significantly reduced noise levels and the further improved damping.

A full series of design features are behind this coach’s exceptional feeling of spaciousness – but also some purely constructive ones. The TopClass S 431 DT has always been engineered to enable the maximum possible width – and this is how it can offer the ultimate in space as a double-decker.
On the panorama deck of the TopClass S431 DT, your guests will experience the journey from a fascinatingly different perspective. The generously large windows open up onto breathtaking views and all-around visibility. Here, too, unmatched comfort prevails. High quality and first-class workmanship are reflected in the coach’s expressive form and materials language.

A choice of sides: The front steps to the upper panorama deck are positioned to the left behind the driver’s station, as standard. As an option, they can be positioned to the right next to the entrance 1.

The best views: The pleasingly low window-sill height considerably expands your passengers’ vantage point.

There are few things that determine the extent to which your passengers experience well-being as much as a coach’s interior air comfort – especially on an upper deck. Thanks to the state-of-the-art heating and cooling concept, your travel guests always enjoy a pleasing level of air comfort – naturally throughout the whole interior of the coach.

The current generation of Setra seats shows your guests just how much you appreciate them. With their spring-mounted seat cushions and comfortable, ergonomically shaped backrests, up to 93 individual reclining seats* provide maximum seating comfort and ease of use. More about the many available equipment options can be found in our special seat brochure.

* The number of seats depends on other equipment, also with regards to overall weight. To find out more, you can speak with your Setra partner.
Customised to your wishes.

High-quality, functional details and several comfort features characterise the coach’s interior. From the exclusive service sets through to the customised on-board galley. The best TopClass S 431 DT of all is the one that best suits your company. And that is exactly why we offer you a wealth of equipment and amenity options to make your new double-decker something very special. Even when it comes to unusual requests, you can rely on our experience and expertise.
Passengers with reduced mobility can comfortably enter the coach using the extra-wide rear entry (115 cm), available on request, and the optional wheelchair ramp.

The optional flatscreen monitors are generously sized (middle).

On the lower deck, your passengers will find a spacious WC, designed for ease of cleaning (right).

Ideal for lots of luggage: A spacious luggage compartment opens up (left) behind the much widened flap.

The driver’s compartment is generously sized (middle).

The optional galley can be equipped to suit your individual tastes and needs (right).
A driver’s dream.

The spacious, state-of-the-art cockpit, with its high-quality, well considered equipment offers the best requisites for relaxed driving. Outstanding comfort and convenience, along with advanced ergonomic design play a key role here. A few examples to illustrate this are the newly designed instrumentation, the electronic vehicle key, and the leather-clad multifunction steering wheel which enable the driver to control many functions with a simple flick of the wrist. The cockpit’s separate air-conditioning goes a long way towards ensuring the driver’s well-being. You simply won’t find a touring coach that is more comfortable to drive.
Comfort, quality and ergonomics characterise the cockpit of the TopClass S 431 DT. The many well conceived details in and around the driver’s work station all contribute to a high level of comfort and convenience. The new multifunction display enables a impeccable overview and perfect control. It offers the driver a high-resolution colour display with intuitive control and display logic.
Look forward to arriving reliably:
The equipment in the cockpit turns the drive into a truly pleasurable experience. The audio system, in combination with the optional navigation system, is a compact unit. A roller blind protects the instruments, creating a harmonious look.

In the first row: The comfortable attendant’s seat can be adjusted seamlessly and it also offers a complete workstation.

A central comfort feature in the cockpit: The first-class driver’s seat can be adjusted precisely to drivers of any stature, which makes for comfortable seating even on long trips. The driver’s door is a standard-equipment feature.
Discovering other cultures, meeting people, enjoying the landscapes and cities – for your travel guests, these are moments filled with emotions. And with a Setra TopClass S 431 DT, you can give them and the driver that great feeling of travelling safely.

For example, a number of driving assistance systems are available, such as the Electronic Stability Program (ESP®) with ABS and ASR, Continuous Braking Limiter (DBL) and Adaptive Cruise Control (ART) with Active Brake Assist 3 (ABA 3)* and Lane Assist (SPA)**. Upon request, the new Attention Assist (AtAs) feature is available, which recognises driver fatigue and actively warns him to take a break.

State-of-the-art lighting technology with several low-maintenance LED lights, the Xenon Litronic light, the automatic cornering lights and exterior periphery lighting all contribute to the TopClass S 431 DT being a paragon of lighting safety in its class.

* ABA 2 and optional until June 2015
** Optional until June 2015
With the TopClass S 431 DT, we prove quite impressively that luxury, performance and cost-effectiveness are far from being mutually exclusive. For example, environmental protection as per Euro VI – thanks to its new BlueEfficiency Power engine with environmentally friendly BlueTec® 6-exhaust aftertreatment – is a given for this coach. And the new engine is not only powerful, quiet and future-proof, but also very frugal.

Furthermore, the new engine’s extended maintenance intervals ensure lower maintenance costs and higher vehicle availability.

With its 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 S 431 DT is also exceedingly cost-effective thanks to its exceptionally high passenger capacity, which considerably reduces investment costs per seat. All this brings you the operator not only crystal-clear economic benefits, but also a high resale value.

* On highways and major routes covered by the PPC feature

**Future-proof:** BlueTec® 6 is an environmentally friendly exhaust aftertreatment as per the Euro VI standard.

**Travelling more economically:** The Eco Driver Feedback (EDF, optional) feature gives the driver individual feedback on his personal driving style – the goal being to exploit the full potential in 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-lying topography.
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 centers, the advantageous ServiceCard, reliable 24h SERVICE and much more. 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 and take advantage of our flexible, individualised, modular service contracts for maintenance and repairs. Furthermore, OMNIplus is your contact for proven-quality, original parts and accessories. Whether fan belts, fans or brake discs – OMNIplus has the right original part for your Setra.

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
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www.bus-store.com

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Discover untapped potential savings on your coach tours with FleetBoard telematics-based internet services. FleetBoard was developed for bus- and coach-specific fleet management, and it 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

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The technology in detail. Find out more about the S 431 DT’s key features and options.

Attention Assist (AtAs).
Attention Assist can detect early signs of driver fatigue and prompt him to take a break. At its core is a sensor that very accurately registers the driver’s steering movements and steering speed. In the first few minutes of the drive, the system determines an individual driving behaviour pattern which is then continuously compared with the current steering behaviour and current driving situation. Based on this, the system can detect typical indicators of drowsiness and warn the driver with audible and visual cues.

Attention Assist increases both driver and passenger safety, while increasing the resale value of the coach – since it already fulfils future safety regulations today.

Tire Pressure Monitoring System (TPMS).
The Tire Pressure Monitoring System (option) makes checking tire pressure more convenient than ever. It displays the current pressure of each tire on the instrument cluster and warns the driver of any deviations from the optimal pressure. The system also warns the driver if the tire temperature is too high. It therefore helps prevent dangerous tire damage, while contributing to the high safety standard of the TopClass S 431 DT. At the same time, the Tire Pressure Monitoring System increases the coach’s cost-effectiveness, since it helps reduce wear and tear. The system also has a positive effect on fuel consumption.

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, and it initiates – similarly to the ABA warning cascade – a partial braking automatically, if the driver doesn’t react. This can be decisive, for instance, when you run into unexpected traffic congestion on a highway.

* ABA 2 until June 2015

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* ABA 2 until June 2015
S 431 DT technical specifications.

<table>
<thead>
<tr>
<th>Engine</th>
<th>MB OM 471, Euro VI BlueTec®</th>
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</thead>
<tbody>
<tr>
<td>Nominal capacity [kW]</td>
<td>375</td>
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<tr>
<td>Max. torque [Nm]</td>
<td>2,500 (1,100 1/min.)</td>
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<tr>
<td>Displacement [cm³]</td>
<td>12,809</td>
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<tr>
<td>Type</td>
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<td>Common-rail injection</td>
<td>Common Rail</td>
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<td>Transmission</td>
<td>Mercedes-Benz GO 250-8 PowerShift 3, automated</td>
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<table>
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<tr>
<th>Chassis and brakes</th>
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<tbody>
<tr>
<td>Front axle: Independent suspension, anti-roll bar</td>
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</tr>
<tr>
<td>Driving axle: With anti-roll bar</td>
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</tr>
<tr>
<td>Trailing axle: Active steering, independent suspension</td>
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</tr>
<tr>
<td>Raising/Lowering system; can be switched separately on front and rear axle</td>
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</tr>
<tr>
<td>Pneumatic disc brakes at all axles</td>
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<tr>
<td>ESP®, EBS incl. ABS, ASR, Brake Assist (BAS), retarder, Continuous Braking Limiter (DBL)</td>
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<th>Safety/Driver assistance systems</th>
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<tbody>
<tr>
<td>Pendulum impact test acc. to ECE-R 29</td>
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<tr>
<td>Adaptive Cruise Control (ART), incl. Active Brake Assist 3 (ABA 3)*, Lane Assist (SPA)**</td>
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<tr>
<td>Attention Assist (AIAs)</td>
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<td>Tire Pressure Monitoring System (TPMS)</td>
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<td>Eco Driver Feedback (EDF)</td>
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<tr>
<td>Predictive Powertrain Control (PPC)</td>
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<table>
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<tr>
<th>Fuel tanks</th>
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<tbody>
<tr>
<td>Fuel capacity [l]</td>
<td>approx. 510</td>
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<tr>
<td>AdBlue® capacity [l]</td>
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<tr>
<th>Seats/Luggage compartment</th>
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<tbody>
<tr>
<td>Standard seating “Setra Voyage”</td>
<td>83</td>
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<tr>
<td>Luggage compartment volume (standard, w/o WC, w/o driver’s bunk) [m³]</td>
<td>8.3</td>
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<table>
<thead>
<tr>
<th>Heating/Ventilation/Air conditioning (HVAC)</th>
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</thead>
<tbody>
<tr>
<td>Convектор heating at side walls</td>
<td>●</td>
</tr>
<tr>
<td>Temperature control at window-sill level</td>
<td>○</td>
</tr>
<tr>
<td>TopAir integrated air conditioning, incl. cockpit air conditioning</td>
<td>●</td>
</tr>
</tbody>
</table>

* ABA 2 and optional until June 2015  ** Optional until June 2015

All dimensions in mm

- Total height: 4,000
- Cockpit height: 776
- Width: 2,550
- Inside standing height above: 1,687
- Inside standing height below: 1,828
- Turning circle: 22,978
- Wheel base: 1,350
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