

Technical data and
equipment.

TopClass S 531 DT.

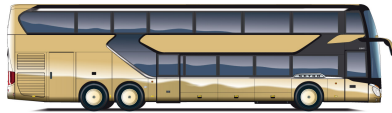
SETRA

The Sign of Excellence.



The TopClass S 531 DT at a glance.

TopClass 500 S 531 DT.



Length [mm]:	14.000	Cockpit height [mm]:	779
Turning circle min. [mm]:	23.138	Width [mm]:	2.550

Technical data and equipment at a glance.

S 531 DT

Dimensions	
Length [mm]	14.000
Length incl. mirrors [mm]	14.468
Width [mm]	2.550
Height [mm]	4.000
Inner stand height [mm]	1.828
Inner stand height (top) [mm]	1.685
Wheelbase front axle-drive axle [mm]	6.700
Wheelbase drive axle - trailing axle [mm]	1.350
Tyre size	315/80 R 22,5
Overhang at front [mm]	2.705
Overhang at rear [mm]	3.245
Turning circle [mm]	23.138
Turning circle min. [mm]	23.138
Ring width turning circles min. [mm]	6.710
Track circle minimal [mm]	19.288
Wheel impact front axle max. [°]	52
Swing-out dimension [mm]	1.366
Cockpit height [mm]	779
Usable volume / capacity AdBlue [l]	approx. 35
Capacity fuel tank left / right [l]	approx. 480

Luggage compartment volume [m³]	approx. 8.4
Additional storage area volume [m³]	1,23
Entry height door 1 [mm]	approx. 370
Entry height door 2 [mm]	approx. 365
Clear door width 1 [mm]	approx. 900
Clear door width 2 [mm]	approx. 900
Slope angle in front [°]	7
Slope angle rear [°]	7,1
Transmission	
Engine	OM 471 Euro VI
Engine type	6-cylinder in-line engine
Output [kW]	375
Max. torque [Nm]	2.500
At speed [1/min]	1.100
Displacement [l]	12,8
EU emissions standard	VI
Transmission	Mercedes-Benz GO 250-8, PowerShift 3, 8-speed

Chassis	
Steering	Power steering
Front axle, type	ZF, independent wheel suspension
Driven axle, type	Mercedes-Benz RO 440
Trailing axle, type	ZF, independent wheel suspension
Front axle: independent suspension, anti-roll bar	●
Drive axle: with anti-roll bar	●
Trailing axle: active steering, independent suspension	●
Raising/Lowering system	●
Kneeling	●
Air suspension via electronic level control system (ENR)	●
Brakes	
Pneumatic disc brakes on all axles	●
Electronic Stability Programme (ESP®)	●
Electronically controlled braking system (EBS)	●
Anti-blocking system (ABS)	●
Brake Assist (BAS)	●
Acceleration Slip Regulation (ASR)	●
Retarder limiter (RL)	●
Retarder	●
Automatic bus stop brake with pull-away lock	●
Parking brake	●

Safety and driver assistance systems	
Rollover strength compliant with in ECE R29	●
Adaptive Cruise Control (ART)	●
Lane Assist (SPA)	●
Attention Assist (AtAs)	●
Tire Pressure Monitoring (TPM)	●
Active Brake Assist 6 (ABA 6)	●
Sideguard Assist 2	●
Electronic Stability Program (ESP®)	●
Reversing camera	●
Reversing buzzer	○
Extinguishing system	●
Rain-light sensor	●
Flat wiper blades with water fed through wiper blade	●
360° Camera	○
Traffic Sign Assist	●
Frontguard Assist	●
MirrorCam	○
Profitability	
Predictive Powertrain Control (PPC)	○
Tire Pressure Monitoring (TPM)	○

Transport capacity	
Passenger capacity min.	54
Passenger capacity max.	93
Number of seats – Standard seating	83
Seating type Voyage	●
Seating type Voyage Plus	○
Seating type Voyage Ambassador	○
Seating type Ambassador	○
Driver's seat GRAMMER Linea MSG 90.6 P, air-sprung	●
Driver's seat ISRI 6860, integrated pneumatic system, 3-point seat belt	○
Wheelchair space	○
Weight and fuel tanks	
Capacity of fuel tank [l]	approx. 480
AdBlue® additive tank [l]	approx. 40
Gross vehicle weight [kg]	26.000
Axle loads, max. permissible front axle [kg]	8.000
Axle loads, max. permissible drive axle [kg]	12.600
Permissible weight trailing axle [kg]	6.800

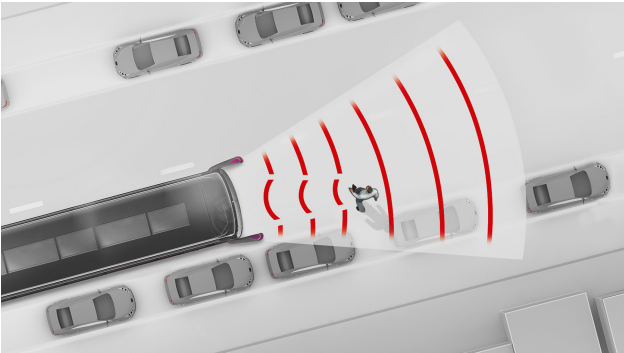
Heating, air conditioning and ventilation	
Driver's area air conditioning	●
Waistline heater	○
EvoCool TopAir	●
Cooling capacity passenger compartment [hp/kW]	50
Driver's area air conditioning [hp/kW]	8
Heating power passenger compartment [hp/kW]	55
Heating power driver's seat [hp/kW]	18
Roof-mounted air-conditioning system with heat pump	●
Refrigerant filling capacity [lbs/kg]	15,9
CO ₂ equivalent [lbs/t]	22,737
Doors and glazing	
Number of doors	2
Door position (A or B)	A
Outward swiveling door	●
Ramp manual	○
Double glazed	●
Windscreen heatable	○
Windscreen Opticool	●

Lighting	
Low beam	●
High beam	●
Daytime driving lights with LED technology	●
Headlamps with LED technology	●
Front fog lamp	●
Cornering light	●
Position lights	●
Ambient lighting luggage compartment	○
Ambient lighting for reverse driving	●
Ambient lighting for lift	○

● Standard equipment ○ Optional equipment

Safety.

Active Brake Assist 6.



The emergency braking system ABA 6 assists the driver by automatically initiating emergency braking if there is a risk of rear-impact collision with vehicles in front or stationary obstacles. It also detects moving or stationary persons and cyclists in front of the vehicle. The system reacts to this with an acoustic and visual warning to the driver as well as an automatically initiated partial braking or emergency braking.

Attention Assist (AtAs).

Attention Assist (AtAs) is a safety assistance system that can help prevent microsleep. It thus contributes to improved driving safety, especially on long journeys and when driving at night. The system warns the driver visually and acoustically when it detects typical signs of overtiredness or inattention and prompts him/her to take a break. The warning is independent of the electronic logging device (ELD).

360° camera.



The 360° camera system consists of four cameras that capture the immediate vehicle environment and generate an indirect all-round view. The associated 10" screen is located on the A-pillar above the cockpit. This system allows pedestrians,

cyclists and obstacles to be seen even in areas that are otherwise not visible to the driver. In this way, the system increases road safety, as collision hazards can be detected and, at best, prevented.

Electronic Stability Program (ESP®).

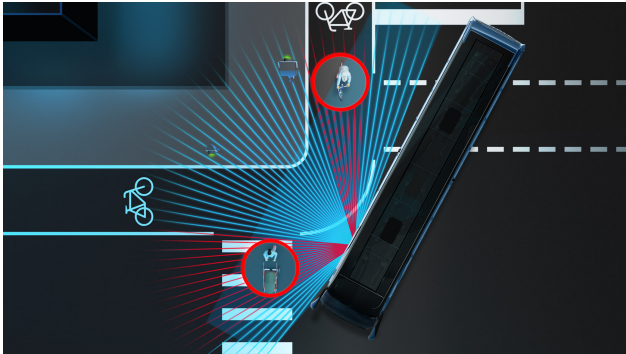
The Electronic Stability Program (ESP®) significantly reduces the risk of the vehicle skidding and tipping over by selectively braking individual wheels or by braking the vehicle as a whole.

Tyre Pressure Monitoring (TPM).



The wireless tyre pressure monitoring with indication in the multifunctional display is an electronic safety system that permanently monitors the air pressure of all tyres. Tyre pressure losses are displayed within the system limits.

Sideguard Assist 2.



Sideguard Assist 2 is a safety assistance system that supports the driver in critical situations when turning right or turning left when visibility is possibly restricted. The system is designed to help detect moving obstacles within the system limits, and warns the driver so as to avoid critical situations or reduce the consequences of accidents when turning off or changing lanes.

Lane Assist (SPA).

With the aid of a camera system behind the windshield, the Lane Departure Warning system detects when the vehicle unintentionally leaves a marked lane. As soon as the vehicle crosses the markings, the driver is warned by a clear vibration on the corresponding side of the driver's seat.

MirrorCam.

The modern MirrorCam system provides a clear and full view of the road traffic. Equipped with high-resolution cameras, the driving safety is improved and the risk of accidents is minimised. The extended field of vision enables the driver to see pedestrians, cyclists and other road users in the surrounding area. This eliminates the blind spot when turning right.

Traffic Sign Assist (TSA).

The innovative Traffic Sign Assist offers maximum safety and comfort on the road. Thanks to GPS and camera support, the vehicle speed is constantly compared with the current traffic regulations.

Frontguard Assist.

Frontguard Assist is an advanced system that was specially developed to warn drivers of pedestrians located immediately in front of the vehicle and also to warn them of an impending accident. Whether you are pulling away or driving slowly (up to 15 km/h), the intelligent assistance system can detect potential collisions with unprotected road users.

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Setra – A Daimler Truck AG Brand



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