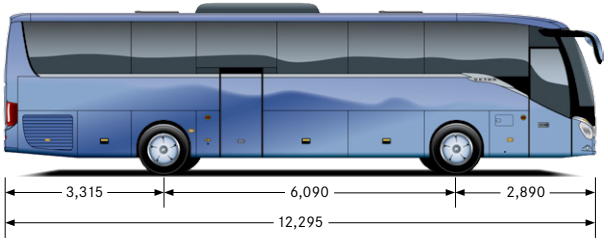
Technical specifications.

The ComfortClass 500.

SETRA

The Sign of Excellence.

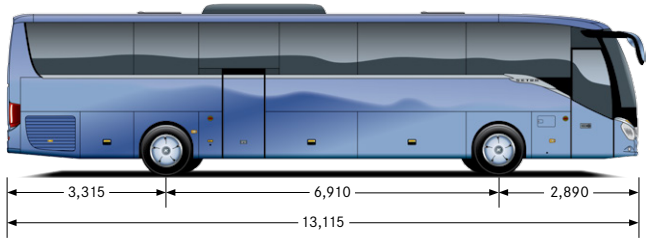
S 515 MD



Total height 3,560
Cockpit height 920
Width 2,550
Inside standing height 2,100

Turning circle 21,256

S 516 MD

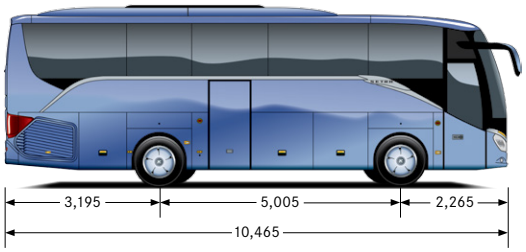


Total height 3,560
Cockpit height 920
Width 2,550
Inside standing height 2,100

Turning circle 23,350

All dimensions in mm

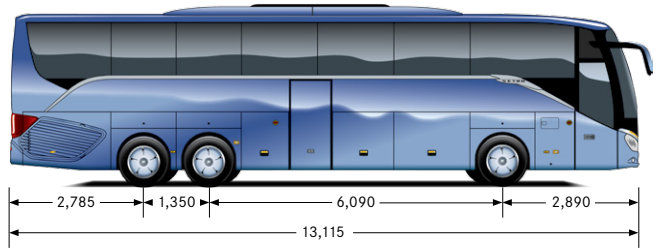
S 511 HD



Total height 3,770
Cockpit height 920
Width 2,550
Inside standing height 2,100

Turning circle 17,468

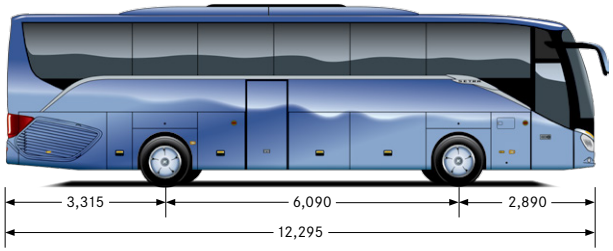
S 516 HD



Total height 3,770
Cockpit height 920
Width 2,550
Inside standing height 2,100

Turning circle 21,010

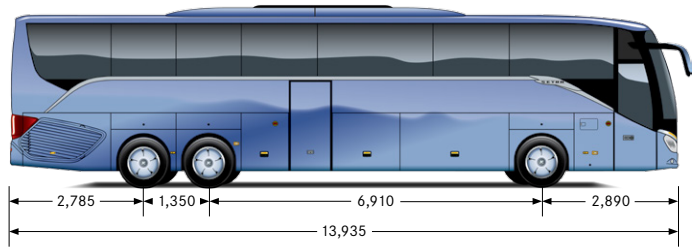
S 515 HD



Total height 3,770
Cockpit height 920
Width 2,550
Inside standing height 2,100

Turning circle 21,256

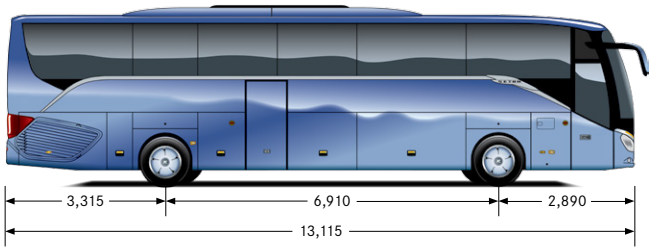
S 517 HD



Total height 3,770
Cockpit height 920
Width 2,550
Inside standing height 2,100

Turning circle 22,928

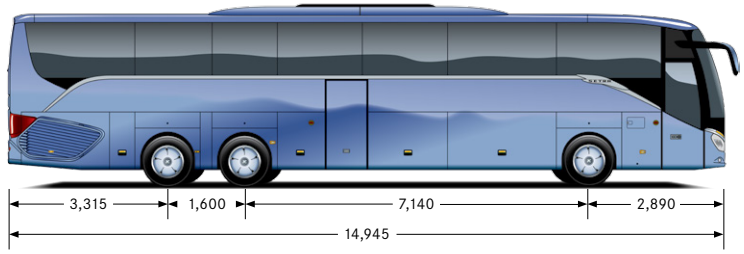
S 516 HD/2



Total height 3,770
Cockpit height 920
Width 2,550
Inside standing height 2,100

Turning circle 23,350

S 519 HD



Total height 3,770
Cockpit height 920
Width 2,550
Inside standing height 2,100

Turning circle 23,656

All dimensions in mm

ComfortClass 500	S 515 MD	S 516 MD	S 511 HD	S 515 HD	S 516 HD/2
Engine					
Mercedes-Benz OM 936 Euro VI, Nominal capacity 260 kW	●	●	–	–	–
Mercedes-Benz OM 470 Euro VI, Nominal capacity 265 kW	○	○	–	–	–
Mercedes-Benz OM 470 Euro VI, Nominal capacity 290 kW	○	○	●	–	–
Mercedes-Benz OM 470 Euro VI, Nominal capacity 315 kW	–	–	–	●	●
Mercedes-Benz OM 470 Euro VI, Nominal capacity 335 kW	–	–	–	○	○
Mercedes-Benz OM 471 Euro VI, Nominal capacity 350 kW	–	–	–	–	–
Transmission (Drive train brake management with continuous brake integration)					
6-gear Mercedes-Benz GO 190-6, manual transmission	●	●	–	–	–
6-gear Mercedes-Benz GO 210-6, manual transmission	○ [1]	○ [1]	●	●	●
6-gear Mercedes-Benz GO 230-6, manual transmission[2]	–	–	–	○	○
8-gear Mercedes-Benz GO 250-8 PowerShift, automatic transmission	○	○	○	○	○
Chassis					
Front axle: Independent suspension, anti-roll bar	●	●	●	●	●
Driving axle: Anti-roll bar	○	○	●	●	●
Trailing axle: Active steering, independent suspension	–	–	–	–	–
Lifting and lowering system: incl. automatic kneeling and manual on entrance side	●	●	●	●	●
Brakes					
Pneumatic disc brakes on all axles	●	●	●	●	●
ESP, Electronic Braking System (EBS), incl. ABS, ASR, Brake Assist (BAS), Retarder, Continuous Braking Limiter (DBL)	●	●	●	●	●
Safety/Driver assistance systems					
Front Collision Guard (FCG)	●	●	●	●	●
Structural rigidity as per ECE-R 66/02	●	●	●	●	●
Adaptive Cruise Control (ART), incl. Active Brake Assist 3 (ABA 3)	○	○	○	○	○
Advanced Emergency Braking System (AEBS)	●	●	●	●	●
Lane Assist (SPA)	●	●	●	●	●
Attention Assist (AtAs)	○	○	○	○	○
Tire Pressure Monitoring System (TPMS)	○	○	○	○	○
Eco Driver Feedback (EDF)	○	○	○	○	○
Predictive Powertrain Control (PPC)	–	–	○	○	○
Fuel Tank					
Fuel capacity [l], can be filled from both sides	approx. 400		approx. 310		
AdBlue capacity [l]	approx. 35		approx. 35		
Seats/Luggage compartment					
Standard seating “Setra Route”	51	55	–	–	–
Standard seating “Setra Voyage”	–	–	43	51	55
Luggage compartment volume (standard, w/o WC, w/o driver’s bunk, with central door) [m^3]	approx. 7.3	approx. 9.0	approx. 6.5	approx. 9.9	approx. 12.1
Heating/Air conditioning/Ventilation					
Convector heating at side walls	–	–	●	●	●
Rooftop ventilation incl. driver’s cockpit heating and ventilation, EvoCool Basic	●	●	●	●	●
Rooftop ventilation incl. driver’s cockpit heating and ventilation, EvoCool Comfort	○	○	○	○	○
Rooftop ventilation incl. driver’s cockpit heating and ventilation, EvoCool Comfort Plus	○	○	○	○	○

● Standard feature ○ Special feature – Not available [1] In combination with optional OM 470 (290 kW) [2] In combination with OM 470 (335 kW)

S 516 HD	S 517 HD	S 519 HD
–	–	–
–	–	–
–	–	–
●	●	●
○	○	–
○	○	○
–	–	–
●	●	–
○	○	–
○	○	●
●	●	●
●	●	●
●	●	●
●	●	●
●	●	●
●	●	●
●	●	●
●	●	●
○	○	○
●	●	●
●	●	●
○	○	○
○	○	○
○	○	○
○	○	○
approx. 480		
approx. 35		
–	–	–
55	59	63
approx. 9.9	approx. 12.1	approx. 12.4
●	●	●
●	●	●
○	○	–
○	–	–

Mercedes-Benz OM 936, Euro VI	
Type	6-cylinder in-line, vertical
Fuel injection	Common-rail direct injection
Nominal capacity [kW] at rotation speed [1/min]	260 2,200
max. torque [Nm] at rotation speed [1/min]	1,400 1,200
Capacity [litre]	7.7

Mercedes-Benz OM 470, Euro VI				
Type	6-cylinder in-line, vertical			
Fuel injection	Common-rail fuel system with X-PULSE pressure booster			
Nominal capacity [kW] at rotation speed [1/min]	265 1,600	290 1,600	315 1,600	335 1,600
max. torque [Nm] at rotation speed [1/min]	1,700 1,100	1,900 1,100	2,100 1,100	2,200 1,100
Capacity [litre]	10.7			

Mercedes-Benz OM 471, Euro VI	
Type	6-cylinder in-line, vertical
Fuel injection	Common-rail fuel system with X-PULSE pressure booster
Nominal capacity [kW] at rotation speed [1/min]	350 1,600
max. torque [Nm] at rotation speed [1/min]	2,300 1,100
Capacity [litre]	12.8

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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