

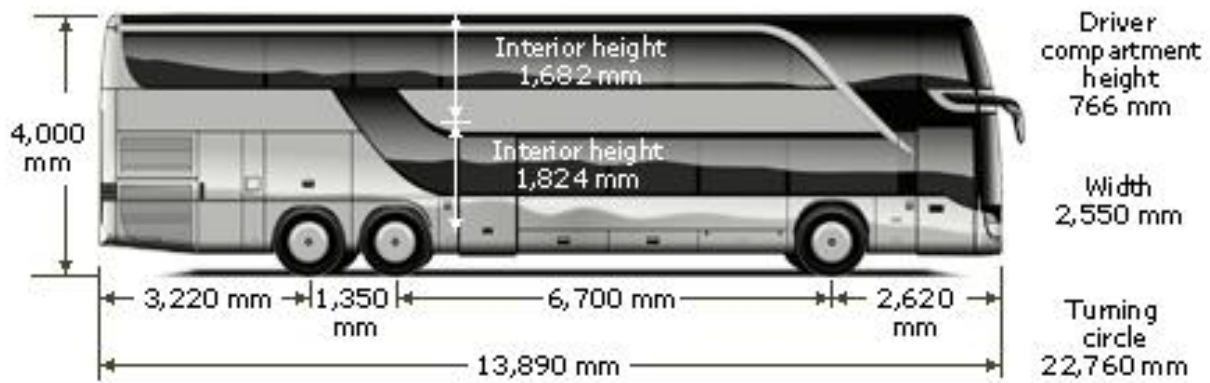


Best in Class



Technical Data

S 431 DT



Technical Data

Length	13,890 mm
Width	2,550 mm
Height	4,000 mm
Driver's position height	766 mm
Wheelbase 1./2. axle	6,700 mm
Wheelbase 2./3. axle	1,350 mm
Front overhang	1,350 mm
Rear overhang	3,220 mm
Turning circle	22,760 mm
Cubic capacity	15,930 cm ³
Embankment angle	52 °

Description	
Engine	MB OM 502 LA Euro IV (BlueTec 4) V 8 cylinder engine
Power output	370 kW / 503 hp
Max. torque at engine speed	2,300 Nm / 1,080 rpm
Bore / stroke	130 / 150 mm
Engine governing	PLD (pump-line injection) Constant-throttle / engine brake + 100 km/h speed limiter
Transmission	ZF AS-tronic
Fuel tank capacity	560 litres, behind tag axle, Filler caps on both sides Approximately 67 litres of AdBlue to the left of fuel tank
Clutch	Air-assisted, asbestos-free friction material, selfadjusting
Air intake	Dry air filter
Air dryer	Single-chamber design
Front axle	Double cross-link independent suspension, Maintenance-free molecular links, shock absorbers, anti-roll bar
Driven axle	MB HO 6-axle, shock absorbers, anti-roll bar
Tag axle	ZF-RAS (Rear Axle Steering) tag axle with positive steering, shock absorbers
Suspension	Air suspension with 2 air springs at front and tag axle, 4 air springs on driven axle, suspension raising / lowering system, electronic level regulation
Brakes	Front axle – pneumatic disc brakes Driving axle – pneumatic disc brakes Tag axle – pneumatic disc brakes Asbestos-free friction material, self-adjusting brakes, constant wear, monitoring and automatic adjustment, ESP-Electronic Stability Program ABS-Anti-lock Braking System, ASR-Acceleration Skid Control, EBS-Electronic Braking System BA-Brake Assist, retarder limiter for optimal braking,

	Engine Brake, elektro-pneumatic parking brake, Voith VR 115 E retarder
Steering	ZF Servocom Steering gear between front wheels
Tyres	315 / 80 R 22,5
Body	Self-supporting tubular space frame, with full-circle frame ribs, sheet steel panelling hot-dip galvanised on both sides, removable bumpers, high quality plastic front and rear sections
Luggage compartment	Aluminium luggage compartment doors, luggage compartment lighting, power door locks
Mirrors	2 exterior mirror units, mirror glasses electrically adjustable, heated mirrors, folding, integral doorway light
Lights	Litronic dipped beam, front direction indicators, running lights with LED technology
Passenger compartment	83 (***) TOP single couchette, adjustable backrest, side transverse adjustment, aisle-side folding armrest, lap-seatbelt, passenger compartment lights along entire vehicle length, reading light for each passenger in the service set inc. multiple-adjustment ventilator jets
Communication systems	Blaupunkt Coach 2000 Professional Options: CD changer, DVD player, Video player, Electrically folding flat screens, Navigation systems
Cockpit	ISRI 6860 / 875 driver's seat With 3-point seatbelt, optimised seat ventilation properties, etc., single folding tour guide seat with adjustments
Instrument panel	with digital tachograph, multifunctional steering wheel, coloured multifunction display, highlighting vehicle and driver's parameters, separate heating / ventilation / air conditioning at driver's position
Heating	Axial fan heater with temperature adjustment
Ventilation / air-conditioning	Integral Setra TopAir air conditioning system,

environmentally-friendly water-glycol system
inc. cockpit air conditioning

Air intake

Via two roof channels, air outlet via roof over
center aisle and via side window, additional
ventilation via individual jets with separate
adjustment of direction and flow

Air extraction

Via low pressure zone at front

Subject alteration due to technological
advances
