

Mercedes-Benz S 320 CDI: technical data

**Press
Information**

Engine

No. of cylinders/arrangement		6/vee configuration, 4 valves per cylinder
Displacement	cc	2987
Bore x stroke	mm	83.0 x 92.0
Rated output	kW	173 at 3600 RPM
Rated torque	Nm	540 at 1600 – 2400 RPM
Compression ratio		17.7 : 1
Mixture formation		High-pressure injection with common-rail technology, turbocharger, EDC

Power transfer

Transmission		Seven-speed automatic transmission
Ratios	Final drive	2.65
	1st gear	4.38
	2nd gear	2.86
	3rd gear	1.92
	4th gear	1.37
	5th gear	1.00
	6th gear	0.82
	7th gear	0.73
	Reverse	3.42

Chassis

Front axle	Four-link suspension, AIRMATIC fully supporting air suspension with level control, torsion bar stabiliser
Rear axle	Multi-link independent suspension, AIRMATIC fully supporting air suspension with level control, torsion bar stabiliser
Braking system	ADAPTIVE BRAKE hydraulic dual-circuit

	braking system all round with vacuum booster and Brake Assist, internally ventilated front discs, solid rear discs, electric parking brake, ABS, ESP®
Steering	Rack-and-pinion speed-sensitive power steering, steering damper
Wheels	8 J x 17
Tyres	235/55 R 17

Dimensions and weights

Wheelbase	mm	3035
Track width front/rear	mm	1604/1606
Overall length	mm	5076
Overall width	mm	1871
Overall height	mm	1473
Turning circle	m	11.8
Luggage capacity max.*	l	560
Kerb weight acc. to EC	kg	1955
Payload	kg	595
Perm. gross vehicle weight	kg	2550
Tank capacity/reserve	l	90/11

Performance and fuel consumption

Acceleration 0-100 km/h	s	7.8
Top speed (electronically limited)	km/h	210
Fuel consumption comb. (ADR 81/01)	l/100 km	8.3
CO2 emissions	g/km	220

*acc. to VDA measuring method