



Mercedes-Benz

## 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