

Specifications.

The BMW Series 5 Sedan.

520d EfficientDynamics Edition.



BMW 520d EfficientDynamics Edition Sedan		
Body		
No of doors/seats		4/5
Length/width/height (unladen)	mm	4936/1868/1467
Wheelbase	mm	2975
Track, front/rear	mm	1606/1631
Ground clearance	mm	131
Turning circle	m	12,05
Fuel tank capacity	Approx. ltr	62
Engine oil ¹⁾	ltr	5,0
Weight, unladen, to DIN/EU	kg	1540/1615
Max load to DIN	kg	685
Max permissible weight	kg	2245
Max axle load, front/rear	kg	1055/1280
Max trailer load, Braked (12%/unbraked	kg	2000/750
Max roofload/max towbar download	kg	100/90
Luggage comp capacity	ltr	530
Air resistance	C _d x A	0,22 x 2,35
Power Unit		
Config/No of cyls/valves		In-line/4/4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger, Common-Rail Direct Injection
Effective capacity	cc	1995
Stroke/bore	mm	90,0/84,0
Compression ratio	:1	16,5
Fuel		Diesel
Max output	kW/hp	140/190
at	rpm	4000
Max torque	Nm/lb-ft	400/295
at	rpm	1750-2500
Electrical System		
Battery / installation	Ah/-	90/ Luggage compartment
Driving Dynamics and Safety		
Suspension, front		Aluminium double track control arm axle with separate lower track arm level, small positive steering roll radius, traverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction
Brakes, front		Four-piston fixed-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant. Optional: Dynamic Damper Control, Drive Performance Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator
Steering		Electric Power Steering (EPS) optional: Integral Active Steering
Steering ratio, overall	:1	16,3
Tyres, front/rear		225/55 R17 97Y
Rims, front/rear		7,5J x 17 light alloy

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Transmission

Type of transmission	8-speed Steptronic		
Gear ratios	I	:1	5,000
	II	:1	3,200
	III	:1	2,143
	IV	:1	1,720
	V	:1	1,314
	VI	:1	1,000
	VII	:1	0,822
	VIII	:1	0,640
	R	:1	3,456
Final drive			2,929

Performance

Power-to-weight ratio	kg/kW	11,0	
Output per litre	kW/ltr	70,2	
0–100 km/h	sec	7,5	
In 5th gear	80–120 km/h	sec	--
Top speed	km/h	235	

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, ECO PRO mode with coasting function, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised-warm-up behaviour, tyres with reduced rolling resistance
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Fuel Consumption ECE²⁾

Urban	ltr/100 km	4,7–4,4
Extra-urban	ltr/100 km	4,1–3,6
Combined	ltr/100 km	4,3–3,9
CO ₂	g/km	114–102
Emission rating	EU6	

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)

¹⁾ Oil change

²⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format