

# Specifications BMW 5 Series Sedan. 520d xDrive.



BMW 520d xDrive		
<b>Body</b>		
No of doors/seats		4 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	4907 / 1860 / 1464
Wheelbase	mm	2968
Track, front/rear	mm	1600 / 1627
Ground clearance	mm	141
Turning circle	m	12.0
Tank capacity	app ltr	70
Cooling system incl heater	ltr	7.0
Engine oil <sup>2)</sup>	ltr	5.0
Weight, unladen, to DIN/EU	kg	1730 / 1805
Max load to DIN	kg	600
Max permissible weight	kg	2330
Max axle load, front/rear	kg	1170 / 1300
Max trailer load (12%), braked/unbraked	kg	2000 / 750
Max roofload/max towbar download	kg	100 / 90
Luggage comp capacity	ltr	520
Air resistance	Cd x A	0.25 x 2.35
<b>Engine</b>		
Config/No of cyls/valves		Straight-four / 4
Engine technology		BMW TwinPower Turbo technology: variable-geometry turbocharger, Common Rail direct injection with solenoid valve injectors (max. injection pressure: 2000 bar)
Capacity, effective	cc	1995
Stroke / bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel grade		Diesel
Max output	kW/hp	140 / 190
at	rpm	4000
Max torque	Nm	400
at	rpm	1750 – 2500
<b>Electrical System</b>		
Battery/installation	Ah/–	90 / luggage comp
Alternator	A/W	220 / 3080
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive
Suspension, rear		Integral-V multi-arm axle, aluminium, anti-squat and anti-dive, double acoustic separation
Brakes, front		Single-piston aluminium floating-calliper disc brakes in frame structure
Diameter	mm	330 x 24 / inner-vented
Brakes, rear		Single-piston aluminium floating-calliper disc brakes
Diameter	mm	330 x 20 / inner-vented
Driving stability systems		Standard: DSC incl ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM); optional: Dynamic Damper 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 belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator
Steering		Hydraulic rack-and-pinion power steering with Servotronic
Steering transmission, overall	:1	17.1
Tyres, front/rear		225/55 R17 97W
Rims, front/rear		8J x 17 light-alloy

2/2015

Valid from  
3/2015

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Transmission			
Type of gearbox		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		:1	2.929
Performance			
Power-to-weight ratio (DIN)	kg/kW		12.4
Output per litre	kW		70.2
Acceleration 0–100 km/h	sec		7.9
in 5th gear 80–120 km/h	sec		–
Top speed	km/h		230
BMW EfficientDynamics			
BMW EfficientDynamics, standard features	Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO mode with coasting function, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, detachable a/c compressor, efficiency-optimised rear differential and power divider, tyres with reduced roll resistance, BMW BluePerformance technology		
Fuel consumption EU <sup>3)</sup>			
With standard wheels and tyres: 8J x 17 wheels, 225/55 R17 tyres			
Urban	ltr/100 km		5.2
Extra-urban	ltr/100 km		4.1
Combined	ltr/100 km		4.5
CO <sub>2</sub>	g/km		119
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres			
Urban	ltr/100 km		5.4
Extra-urban	ltr/100 km		4.3
Combined	ltr/100 km		4.7
CO <sub>2</sub>	g/km		124
With 8J x 18 wheels at front, 9J x 18 at rear and 245/45 R18 tyres at front, 275/40 R18 at rear			
With 8.5J x 19 wheels at front, 9J x 19 at rear and 245/40 R19 tyres at front, 275/35 R19 at rear			
With 8.5J x 20 wheels at front, 9J x 20 at the rear and 245/35 R20 tyres at front, 275/30 R20 at the rear			
Urban	ltr/100 km		5.7
Extra-urban	ltr/100 km		4.5
Combined	ltr/100 km		4.9
CO <sub>2</sub>	g/km		129
Emission rating			EU6

Specifications applicable to ACEA markets. data relevant to homologation applicable in part only to Germany (weight)

<sup>1)</sup> Height with roof aerial: 1475 mm

<sup>2)</sup> Oil change

<sup>3)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format