

Specifications BMW 5 Series Gran Turismo. 520d



BMW 520d Gran Turismo		
Body		
No of doors/seats		4 / 5
Length/width/height ¹⁾ (unladen)	mm	5004 / 1901 / 1559
Wheelbase	mm	3070
Track, front/rear	mm	1611 / 1654
Ground clearance	mm	145
Turning circle	m	12.2
Tank capacity	app ltr	70
Cooling system incl heater	ltr	8.4
Engine oil ²⁾	ltr	5.2
Weight, unladen, to DIN/EU	kg	1915 / 1990
Max load to DIN	kg	630
Max permissible	kg	2545
Max axle load, front/rear	kg	1090 / 1500
Max trailer load (12%), braked/unbraked	kg	2100 / 750
Max roofload/max towbar downl	kg	75 / 100
Luggage comp capacity	ltr	500 – 1700
Air resistance	Cd x A	0.29 x 2.57
Engine		
Config/No of cyls/valves		Straight-four / 4
Engine technology		BMW TwinPower Turbo technology: Turbocharger with variable intake geometry, Common Rail direct injection with solenoid valve injectors (max. injection pressure: 1800 bar)
Capacity, effective	cc	1995
Stroke / bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	135 / 184
at	rpm	4000
Max torque	Nm	380
at	rpm	1750 – 2750
Electrical System		
Battery/location	Ah/–	105 / luggage comp
Alternator	A/W	180 / 2520
Driving Dynamics and Safety		
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, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling	
Brakes, front	Single-piston aluminium floating-calliper disc brakes in frame structure	
Brakes, rear	Single-piston aluminium floating-calliper disc brakes	
Driving stability systems	Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking, Fading Compensation, Start-Off Assistant, optional: Dynamic Damper Control	
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags at the rear on the outer seats, three-point inertia-reel seat belts on all seats, belt limiters and belt latch tensioners at the front, crash sensors, Tyre Defect Indicator	
Steering	Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	
Steering transmission, overall	:1	19.1
Tyres, front/rear		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy

6/2013

Valid from
7/2013

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Transmission				
Type of transmission		Eight-speed automatic transmission with Steptronic		
Gear ratios	I	:1		4.714
	II	:1		3.143
	III	:1		2.106
	IV	:1		1.667
	V	:1		1.285
	VI	:1		1.000
	VII	:1		0.839
	VIII	:1		0.667
	R	:1		3.295
Final drive		:1		3.077
Performance				
Power-to-weight ratio (DIN)		kg/kW		14.2
Output per litre		kW		67.7
Acceleration	0–100 km/h	sec		8.9
	0–1000 m	sec		29.9
Top speed		km/h		215
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, Electric Power Steering (EPS), detachable a/c compressor, tyres with reduced roll resistance, BMW BluePerformance technology		
Fuel Consumption EU				
Urban		ltr/100 km		6.2
Extra-urban		ltr/100 km		5.0
Combined		ltr/100 km		5.5
CO ₂		g/km		144
Emission rating				EU6

Specifications applicable to ACEA markets/homologation data applicable in part only to Germany (weight),

¹⁾ Height with roof fin: 1564 mm

²⁾ Oil change