

Specifications BMW 5 Series Gran Turismo. 520d



BMW 520d Gran Turismo		
Body		
No of doors/seats		4 / 5
Length/width/height ¹⁾ (unladen)	mm	4998 / 1901 / 1559
Wheelbase	mm	3070
Track, front/rear	mm	1611 / 1654
Ground clearance	mm	151
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	1875 / 1950
Max load to DIN	kg	630
Max permissible	kg	2505
Max axle load, front/rear	kg	1120 / 1460
Max trailer load (12%), braked/unbraked	kg	2100 / 750
Max roofload/max towbar downl	kg	75 / 100
Luggage comp capacity	ltr	440 / 590 / 1700
Air drag	Cd x A	0.30 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
Electrical System		
Battery/location	Ah/-	105 / luggage comp
Alternator	A/W	180 / 2520
Driving Dynamics and Safety		
Suspension, front		Double wishbone axle in aluminium construction, steel springs
Suspension, rear		Integral-V multi-arm axle in aluminium construction, with steering function, air suspension with automatic self-levelling
Brakes, front		Single-piston swing-calliper disc brakes
Brakes, rear		Single-piston swing-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

05/2012

Valid from
07/2012

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BMW ConnectedDrive

Comfort	Optional: BMW Assist including Enquiry Service, remote-control function and Real Time Traffic Information, BMW TeleServices, integration of mobile devices
Infotainment	Optional: access to the internet, BMW Online including features such as Parkinfo, National Info, Google directory service, News, Realtime Weather, Office Functions, BMW Routes, Bluetooth Audio Streaming, online music title update, Apps
Safety	Optional: Adaptive Headlights with Bending Lights, variable light distribution and Adaptive Headlight Range Control, High-Beam Assistant, Park Distance Control, back-up camera, Surround View incl Top View and Side View, Parking Assistant, BMW Night Vision with detection of persons, Head-Up Display, Active Cruise Control with Stop & Go, Lane Change Warning, Lane Departure Warning with Collision Warning, speed limit and no passing information, Active Protection, Automatic/Enhanced Emergency Call

Transmission

Type of transmission	Eight-speed automatic transmission with Steptronic function		
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	13.9	
Output per litre	kW	67.7	
Acceleration	0–100 km/h	sec	8.9
	0–1000 m	sec	29.9
Top speed	km/h	213	

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration, BMW EfficientDynamics Display, Automatic Start/Stop function, ECO PRO mode, electromechanical power steering, intelligent lightweight construction, air flap control, on-demand operation of ancillary units
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Fuel Consumption in EU Cycle

Urban	ltr/100 km	5.9
Extra-urban	ltr/100 km	5.0
Combined	ltr/100 km	5.3
CO ₂	g/km	139
Emission rating		EU5

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

¹⁾ Height with roof aerial: 1564 mm

²⁾ Oil change