

Specifications BMW 5 Series Gran Turismo. 530d, 535d



BMW 530d Gran Turismo			BMW 535d Gran Turismo
Body			
No of doors/seats		4 / 5	4 / 5
Length/width/height ¹⁾ (unladen)	mm	4998 / 1901 / 1559	4998 / 1901 / 1559
Wheelbase	mm	3070	3070
Track, front/rear	mm	1611 / 1654	1611 / 1654
Ground clearance	mm	145	145
Turning circle	m	12.2	12.2
Tank capacity	app ltr	70	70
Cooling system incl heater	ltr	8.9	8.9
Engine oil ²⁾	ltr	7.2	7.2
Weight, unladen, to DIN/EU	kg	1960 / 2035	1970 / 2045
Max load to DIN	kg	630	630
Max permissible	kg	2590	2600
Max axle load, front/rear	kg	1180 / 1475	1190 / 1475
Max trailer load (12%), braked/unbraked	kg	2100 / 750	2100 / 750
Max roofload/max towbar downl	kg	75 / 100	75 / 100
Luggage comp capacity	ltr	440 / 590 / 1700	440 / 590 / 1700
Air drag	Cd x A	0.30 x 2.57	0.31 x 2.57
Engine			
Config/No of cyls/valves		Straight-six / 4	Straight-six / 4
Engine technology		BMW TwinPower Turbo technology with variable- geometry turbocharger, Common Rail direct injection with piezo-injectors (max injection pressure 1800 bar)	BMW TwinPower Turbo technology with two turbochargers (Variable Twin Turbo), Common Rail direct injection with piezo- injectors (max injection pressure 2000 bar)
Capacity, effective	cc	2993	2993
Stroke / bore	mm	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5
Fuel		Diesel	Diesel
Max output	kW/hp	180 / 245	220 / 300
at	rpm	4000	4400
Max torque	Nm/lb·ft	540 / 398	600 / 442
at	rpm	1750–3000	1500–2500
Electrical System			
Battery/location	Ah/–	90 / luggage comp	90 / luggage comp
Alternator	A/W	180 / 2520	220 / 3080
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	
Diameter	mm	348 x 36 / vented	348 x 36 / vented
Brakes, rear		Single-piston swing-calliper disc brakes	
Diameter	mm	345 x 24 / vented	345 x 24 / vented
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: Adaptive Drive incl Dynamic Damper Control and Dynamic Drive anti-roll stability management	
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		Rack-and-pinion power steering with speed-related steering assistance (Servotronic), 3.1 turns from-lock-to-lock; optional: Integral Active Steering	
Steering transmission, overall	:1	19.1	19.1
Tyres, front/rear		245/50 R18 100Y RSC	245/50 R18 100Y RSC
Rims, front/rear		8J x 18 light-alloy	8J x 18 light-alloy

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10/2011

Valid from
10/2011

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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, BMW Night Vision with detection of persons, Head-Up Display, Active Cruise Control with Stop & Go, Lane Change Warning, Lane Departure Warning, Speed Limit Info, 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	3.317
Final drive		:1	2.563
Performance			
Power-to-weight ratio	kg/kW	10.9	9.0
Output per litre	kW/litre	60.1 / 81.7	73.5 / 100.0
Acceleration 0–100 km/h	sec	6.9	6.1
Standing-start	sec	27.7	26.2
Top speed	km/h	240	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration, BMW EfficientDynamics Display, Varioserv steering assistance pump, intelligent lightweight construction, air flap control, on-demand operation of ancillary units, final drive with optimised thermal management		
Fuel Consumption in EU Cycle			
Urban	litr/100 km	8.1	8.3
Extra-urban	litr/100 km	5.6	5.8
Combined	litr/100 km	6.5	6.7
CO ₂	g/km	173	175
Emission rating		EU5	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