

# Specifications BMW 5 Series Gran Turismo. 535i xDrive, 550i xDrive



		<b>BMW 535i xDrive Gran Turismo</b>	<b>BMW 550i xDrive Gran Turismo</b>
<b>Body</b>			
No of doors/seats		4 / 5	4 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	4998 / 1901 / 1559	4998 / 1901 / 1559
Wheelbase	mm	3070	3070
Track, front/rear	mm	1611 / 1654	1621 / 1636
Ground clearance	mm	151	151
Turning circle	m	12.2	12.2
Tank capacity	app ltr	70	70
Cooling system incl heater	ltr	9.3	14.4
Engine oil <sup>2)</sup>	ltr	6.5	9.0
Weight, unladen, to DIN/EU	kg	1995 / 2070	2140 / 2215
Max load to DIN	kg	630	600
Max permissible	kg	2625	2750
Max axle load, front/rear	kg	1200 / 1480	1300 / 1500
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	0.31 x 2.57	0.32 x 2.57
<b>Engine</b>			
Config/No of cyls/valves		Straight-six / 4	V8 / 4
Engine technology		BMW TwinPower Turbo technology with Twin-Scroll turbocharger, direct injection (High Precision Injection) and fully variable valve control (VALVETRONIC)	BMW TwinPower Turbo technology with two turbochargers, direct injection (High Precision Injection) and fully variable valve control (VALVETRONIC)
Capacity, effective	cc	2979	4395
Stroke / bore	mm	89.6 / 84.0	88.3 / 89.0
Compression ratio	:1	10.2	10.0
Fuel		min RON 91	min RON 91
Max output	kW/hp	235 / 306	330 / 450
at	rpm	5800	5500
Max torque	Nm	400	650
At	rpm	1200-5000	2000-4500
<b>Electrical System</b>			
Battery/location	Ah/-	90 / luggage comp	105 / luggage comp
Alternator	A/W	210 / 2940	210 / 2940
<b>Driving Dynamics and Safety</b>			
Suspension, front		Double wishbone axle in aluminium construction, steel springs	
Suspension, rear		Integral-V multi-arm axle in aluminium construction, 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, networked with xDrive all-wheel-drive system in ICM Integrated Chassis Management; 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		Electric Power Steering (EPS) with Servotronic	
Steering transmission, overall	:1	19.1	19.1
Tyres, front/rear		245/50 R18 100Y RSC	245/45 R19 98Y RSC/ 275/40 R 19 101Y RSC
Rims, front/rear		8J x 18 light-alloy	8.5J x 19 light-alloy/ 9.5J x19 light-alloy

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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 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	4.714	
	II	:1	3.143	3.143	
	III	:1	2.106	2.106	
	IV	:1	1.667	1.667	
	V	:1	1.285	1.285	
	VI	:1	1.000	1.000	
	VII	:1	0.839	0.839	
	VIII	:1	0.667	0.667	
	R	:1	3.295	3.317	
Final drive		:1	3.077	2.813	
Performance					
Power-to-weight ratio (DIN)		kg/kW	8.9	6.5	
Output per litre		kW	75.5	75.1	
Acceleration	0–100 km/h	sec	6.3	4.8	
	0-1000 m	sec	26.4	23.5	
Top speed		km/h	250	250	
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			
Fuel Consumption in EU Cycle					
Urban		ltr/100 km	11.3	13.1	
Extra-urban		ltr/100 km	6.9	7.6	
Combined		ltr/100 km	8.5	9.6	
CO <sub>2</sub>		g/km	199	224	
Emission rating			EU5	EU5	

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

<sup>1)</sup> Height with roof aerial: 1564 mm

<sup>2)</sup> Oil change