

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



	BMW 535i Gran Turismo		BMW 550i Gran Turismo	
<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	1940 / 2015		2070 / 2145
Max load to DIN	kg	630		610
Max permissible	kg	2570		2690
Max axle load, front/rear	kg	1165 / 1470		1250 / 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	AW	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, 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: 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; optional: Integral Active Steering		
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 x 19 light-alloy

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	<b>BMW 535i Gran Turismo</b>	<b>BMW 550i Gran Turismo</b>
<b>BMW ConnectedDrive</b>		
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	
<b>Transmission</b>		
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
<b>Performance</b>		
Power-to-weight ratio (DIN)	kg/kW	8.6
Output per litre	kW	75.5
Acceleration	0-100 km/h	sec
	0-1000 m	sec
Top speed	km/h	250
<b>BMW EfficientDynamics</b>		
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	
<b>Fuel Consumption in EU Cycle</b>		
Urban	litr/100 km	10.9
Extra-urban	litr/100 km	6.6
Combined	litr/100 km	8.2
CO <sub>2</sub>	g/km	192
Emission rating		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