

# 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 DINEU	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	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, 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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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	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		8.6	6.3
Output per litre		kW		75.5	75.1
Acceleration		0–100 km/h	sec	6.3	5.0
		0-1000 m	sec	26.2	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		10.9	12.5
Extra-urban		ltr/100 km		6.6	7.3
Combined		ltr/100 km		8.2	9.2
CO <sub>2</sub>		g/km		192	214
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