

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



		BMW 535i xDrive Gran Turismo	BMW 550i xDrive 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	1621 / 1636
Ground clearance	mm	145	145
Turning circle	m	12.5	12.5
Tank capacity	app ltr	70	70
Cooling system incl heater	ltr	9.3	11.4
Engine oil ²⁾	ltr	6.5	8.5
Weight, unladen, to DIN/EU	kg	1995 / 2070	2130 / 2205
Max load to DIN	kg	630	600
Max permissible	kg	2625	2730
Max axle load, front/rear	kg	1200 / 1480	1290 / 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
Engine			
Config/No of cyls/valves		Straight-six / 4	V8 / 4
Engine technology		BMW TwinPower Turbo with Twin-Scroll turbocharger, direct injection and fully variable valve control (VALVETRONIC)	BMW TwinPower Turbo with two turbochargers and direct injection (High Precision Injection)
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	225 / 306	300 / 407
at	rpm	5800	5500 – 6400
Max torque	Nm/lb-ft	400 / 295	600 / 442
at	rpm	1200–5000	1750–4500
Electrical System			
Battery/location	Ah/–	90 / luggage comp	90 / luggage comp
Alternator	A/W	210 / 2940	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, air suspension with automatic self-levelling	
Brakes, front		Single-piston swing-calliper disc brakes	
Diameter	mm	348 x 36 / vented	374 x 36 / vented
Brakes, rear		Single-piston swing-calliper disc brakes	
Diameter	mm	345 x 24 / vented	370 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, networked with xDrive all-wheel-drive system in ICM Integrated Chassis Management; optional: Adaptive Drive incl Dynamic Damping 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, crash-activated headrests at the front, Tyre Defect Indicator	
Steering		Rack-and-pinion power steering with speed-related steering assistance (Servotronic), 3.1 turns from-lock-to lock	
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, Speed Limit Info, 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	3.077
Performance					
Power-to-weight ratio		kg/kW	8.9		7.1
Output per litre		kW/hp	75.5 / 102.7		68.3 / 92.9
Acceleration 0–100 km/h		sec	6.3		5.4
Standing-start		sec	26.4		24.5
Top speed		km/h	250		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		ltr/100 km	12.8		16.9
Extra-urban		ltr/100 km	7.2		8.8
Combined		ltr/100 km	9.3		11.8
CO ₂		g/km	216		275
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