

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



BMW 535i Gran Turismo		BMW 550i 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 12.2	12.2
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 DINEU	kg 1940 / 2015	2060 / 2135
Max load to DIN	kg 630	630
Max permissible	kg 2570	2690
Max axle load, front/rear	kg 1165 / 1470	1245 / 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 235 / 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, with steering function, 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, 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	245/45 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	8.6	6.9	
Output per litre	kW/hp	75.5 / 102.7	68.3 / 92.9	
Acceleration	0–100 km/h	sec	6.3	5.5
	Standing-start	sec	26.2	24.4
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	12.3	16.2	
Extra-urban	ltr/100 km	6.9	8.3	
Combined	ltr/100 km	8.9	11.2	
CO ₂	g/km	209	263	
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