

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 5004 / 1901 / 1559	5004 / 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	14.4
Engine oil ²⁾	ltr 6.5	9.0
Weight, unladen, to DIN/EU	kg 1940 / 2015	2070 / 2145
Max load to DIN	kg 630	600
Max permissible	kg 2570	2670
Max axle load, front/rear	kg 1165 / 1490	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 500 – 1700	500 – 1700
Air resistance	Cd x A 0.30 x 2.57	0.31 x 2.57
Engine		
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 – 6000	5500 – 6000
Max torque	Nm 400	650
at	rpm 1200 – 5000	2000 – 4500
Electrical System		
Battery/location	Ah/– 90 / luggage comp	105 / luggage comp
Alternator	A/W 210 / 2940	210 / 2940
Driving Dynamics and Safety		
Suspension, front	Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear	Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling	
Brakes, front	Single-piston aluminium floating-calliper disc brakes in frame structure	
Brakes, rear	Single-piston aluminium floating-calliper disc brakes	
Driving stability systems	Standard: DSC incl ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive	
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 belts on all seats, belt stoppers 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 x19 light-alloy

6/2013

Valid from
7/2013

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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	3.317	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	6.1	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 with recuperation display, Auto Start Stop function, ECO PRO mode with coasting function, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, Electric Power Steering (EPS), map-controlled oil pump, detachable a/c compressor, tyres with reduced roll resistance		
Fuel Consumption EU				
Urban	ltr/100 km		11.2	12.4
Extra-urban	ltr/100 km		6.5	7.3
Combined	ltr/100 km		8.2	9.2
CO ₂	g/km		192	214
Emission rating			EU6	EU6

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

¹⁾ Height with roof fin: 1564 mm

²⁾ Oil change