

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	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	12.5		12.5
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	1995 / 2070		2140 / 2215
Max load to DIN	kg	630		590
Max permissible	kg	2625		2730
Max axle load, front/rear	kg	1200 / 1500		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	500 – 1700		500 – 1700
Air resistance	Cd x A	0.31 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	225 / 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	AW	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, 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		Hydraulic rack-and-pinion steering with Servotronic		
Steering transmission, overall	:1	19.1		19.1
Tyres, front/rear		245/50 R18 100Y RSC		245/45 R19 98Y RSC/ 275/40 R19 101Y RSC
Rims, front/rear		8J x 18 light-alloy		8.5J x 19 light-alloy/ 9.5J x 19 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	3.295	3.317
Final drive		:1	3.077	2.813
Performance				
Power-to-weight ratio (DIN)		kg/kW	8.9	6.5
Output per litre		kW	75.5	75.1
Acceleration	0–100 km/h	sec	6.1	4.8
	0-1000 m	sec	26.4	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, map-controlled oil pump, detachable a/c compressor, efficiency-optimised rear differential and power divider, tyres with reduced roll resistance		
Fuel Consumption EU				
Urban	ltr/100 km		11.7	13.0
Extra-urban	ltr/100 km		6.7	7.7
Combined	ltr/100 km		8.5	9.6
CO ₂	g/km		199	224
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