



Specifications.

The new BMW 5 Series Sedan.

535i, 550i.

		BMW 535i	BMW 550i
Body			
No of doors/seats		4 / 5	4 / 5
Length/width/height (unladen)	mm	4899 / 1860 / 1464	4899 / 1860 / 1464
Wheelbase	mm	2968	2968
Track, front/rear	mm	1600 / 1627	1600 / 1627
Ground clearance	mm	141	141
Turning circle	m	11.95	11.95
Tank capacity	app ltr	70	70
Cooling system incl heater	ltr	9.3	11.4
Engine oil ¹⁾	ltr	6.5	8.5
Weight, unladen, to DIN/EU	kg	1685 / 1760 (1700 / 1775)	1830 / 1905
Max load to DIN	kg	610	600
Max permissible	kg	2295 (2310)	2430
Max axle load, front/rear	kg	1100 / 1275	1195 / 1310
Max trailer load (12%), braked/unbraked	kg	2000 / 750	2000 / 750
Max roofload/max towbar dwnl	kg	100/90	100/90
Luggage comp capacity	ltr	520	520
Air resistance	Cd x A	0.29 x 2.35	0.30 x 2.35
Power Unit			
Config/No of cyls/valves		Straight-six / 4	V90 / 8 / 4
Engine technology		BMW TwinPower Turbo, direct fuel injection (High Precision Injection), fully-variable valve control (VALVETRONIC)	BMW TwinPower Turbo, direct fuel 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 grade		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/installation	Ah/-	80 (90) / luggage comp	90 / luggage comp
Alternator	A/W	170 / 2380	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	
Brakes, front		Single-piston aluminium swing-calliper disc brakes in frame structure	
Diameter	mm	348 x 36 / inner-vented	374 x 36 / inner-vented
Brakes, rear		Single-piston swing-calliper disc brakes	
Diameter	mm	345 x 24 / inner-vented	345 x 24 / inner-vented
Driving stability systems		Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive Drive	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator	
Steering		Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	
Steering transmission, overall	:1	17.1	17.1
Tyres, front/rear		225/55 R17 97W	245/45 R18 96Y RSC
Rims, front/rear		8J x 17 light-alloy	8J x 18 light-alloy

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BMW 535i				BMW 550i
BMW ConnectedDrive				
Comfort			Optional: BMW Assist including Enquiry Service, remote-control functions and V-Info+, BMW TeleServices, integration of mobile terminals	
Infotainment			Optional: access to the internet, BMW Online including Parkinfo, National Info, Google Directory Service, News, Weather Realtime and BMW Routes	
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 including Side View and Top View, BMW Night Vision with detection of persons, Head-Up Display, Parking Assistant, collision warning with brake activation function in combination with Active Cruise Control with Stop & Go, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Speed Limit Device, Automatic/Enhanced Emergency Call	
Transmission				
Type of gearbox			Six-speed manual (optional: eight-speed automatic with	Eight-speed automatic with Steptronic
Gear ratios	I	:1	4.110 (4.714)	4.714
	II	:1	2.315 (3.143)	3.143
	III	:1	1.542 (2.106)	2.106
	IV	:1	1.179 (1.667)	1.667
	V	:1	1.000 (1.285)	1.285
	VI	:1	0.846 (1.000)	1.000
	VII	:1	– (0.839)	0.839
	VIII	:1	– (0.667)	0.667
	R	:1	3.727 (3.295)	3.317
Final drive		:1	3.231 (3.077)	2.813
Performance				
Power-to-weight ratio		kg/kW	7.5 (7.6)	6.1
Output per litre		kW/hp	75.5/102.7	68.3/92.9
Acceleration	0–100 km/h	sec	6.0 (6.1)	5.0
	Standing-start km	sec	25.2 (25.6)	23.2
In 4th gear	80–120 km/h	sec	5.9 (–)	–
Top speed		km/h	250	250
BMW EfficientDynamics				
BMW EfficientDynamics, standard features			Brake Energy Regeneration with recuperation display, gearshift point indicator (on manual gearbox models), intelligent lightweight construction, on-demand operation of ancillary units, air flap control (BMW 535i), Electric Power Steering (EPS), detachable a/c compressor, tyres with reduced roll resistance (BMW 535i)	
Fuel Consump in EU Cycle				
Urban		ltr/100	11.8 (11.9)	15.4
Extra-urban		ltr/100	6.6 (6.4)	7.5
Combined		ltr/100	8.5 (8.4)	10.4
CO ₂		g/km	199 (195)	243
Emission rating			EU5	EU5

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight)
Figures in brackets apply to automatic transmission models

¹⁾ Oil change