

Specifications.

The BMW Series 5 Sedan.

M550i xDrive.



BMW M550i xDrive Sedan		
Body		
No of doors/seats		4/5
Length/width/height (unladen)	mm	4962/1868/1467
Wheelbase	mm	2975
Track, front/rear	mm	1600/1597
Ground clearance	mm	131
Turning circle	m	12,24
Fuel tank capacity	Approx. ltr	68
Engine oil ¹⁾	ltr	10,0
Weight, unladen, to DIN/EU	kg	1810/1885
Max load to DIN	kg	650
Max permissible weight	kg	2460
Max axle load, front/rear	kg	1230/1300
Max trailer load,	kg	2000/750
Braked (12%) / unbraked		
Max roofload / max towbar download	kg	100/90
Luggage comp capacity	ltr	530
Air resistance	c _d x A	0,28 x 2,35
Power Unit		
Config/No of cyls/valves		V/8/4
Engine technology		BMW TwinPower Turbo technology: TwinScroll turbocharger, direct injection system High Precision Injection, fully variable valve control VALVETRONIC, variable camshaft timing Double VANOS
Effective capacity	cc	4.395
Stroke/bore	mm	88,3/89,0
Compression ratio	:1	10,5
Fuel		min. RON 91
Max output	kW/hp	340/462
at	rpm	5500–6000
Max torque	Nm/lb-ft	650/479
at	rpm	1800–4750
Electrical System		
Battery / installation	Ah/-	105/ Luggage compartment
Alternator	A/W	n.b.
Driving Dynamics and Safety		
Suspension, front		Aluminium double track control arm axle with separate lower track arm level, small positive steering roll radius, traverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction
Brakes, front		Four-piston fixed-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), Networked with xDrive all-wheel-drive system in Integrated Chassis Management, DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant. Optional: Dynamic Damper Control, Drive Performance Control
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 seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, tyre defect indicator
Steering		Electric Power Steering (EPS) optional: Integral Active Steering
Steering ratio, overall	:1	16,3
Tyres, front/rear		245/40 R19 98Y/ 275/35 R19 100Y
Rims, front/rear		8,0J x 19 light alloy/ 9,0J x 19 light alloy

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Transmission

Type of transmission	8-speed Steptronic		
Gear ratios	I	:1	5,000
	II	:1	3,200
	III	:1	2,143
	IV	:1	1,720
	V	:1	1,313
	VI	:1	1,000
	VII	:1	0,823
	VII	:1	0,640
	R	:1	3,478
Final drive		:1	2,813

Performance

Power-to-weight ratio	kg/kW	5,3	
Output per litre	kW/ltr	77,4	
0-100 km/h	sec	4,0	
In 5th gear	80-120 km/h	sec	--
Top speed	km/h	250	

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration, electromechanical power steering, Automatic Start/Stop function, ECO PRO mode with coasting function, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised-warm-up behaviour, tyres with reduced rolling resistance
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Fuel Consumption ECE²⁾

Urban	ltr/100 km	12,7
Extra-urban	ltr/100 km	6,8
Combined	ltr/100 km	8,9
CO ₂	g/km	204
Emission rating		EU6

Preliminary Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight)

¹⁾ Oil change

²⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format

Output and torque diagrams. The BMW Series 5 Sedan. M550i xDrive.

