



8/2011

Valid from
9/2011

		BMW 550i
Body		
No of doors/seats		4 / 5
Length/width/height ¹⁾ (unladen)	mm	4899 / 1860 / 1464
Wheelbase	mm	2968
Track, front/rear	mm	1600 / 1627
Ground clearance	mm	141
Turning circle	m	11.95
Tank capacity	app ltr	70
Cooling system incl heater	ltr	11.4
Engine oil ²⁾	ltr	8.5
Weight, unladen, to DIN/EU	kg	1830 / 1905
Max load to DIN	kg	600
Max permissible	kg	2430
Max axle load, front/rear	kg	1195 / 1310
Max trailer load (12%), braked/unbraked	kg	2000 / 750
Max roofload/max towbar dwl	kg	100 / 90
Luggage comp capacity	ltr	520
Air resistance	Cd x A	0.30 x 2.35
Engine		
Config/No of cyls/valves		V90 / 8 / 4
Engine technology		BMW TwinPower Turbo with two turbochargers an direct injection (High Precision Injection)
Capacity, effective	cc	4395
Stroke / bore	mm	88.3 / 89.0
Compression ratio	:1	10.0
Fuel grade		at least RON 91
Max output	kW/hp	300 / 407
at	rpm	5500–6400
Max torque	Nm	600
at	rpm	1750–4500
Electrical System		
Battery/installation	Ah/–	90 / luggage comp
Alternator	A/W	220 / 3080
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	374 x 36 / inner-vented
Brakes, rear		Single-piston swing-calliper disc brakes
Diameter	mm	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
Tyres, front/rear		245/45 R18 96Y RSC
Rims, front/rear		8J x 18 light-alloy

Specifications BMW 5 Series Sedan.

BMW 550i

BMW ConnectedDrive

Comfort	Opt: BMW Assist including Enquiry Service, remote-control functions, Real-Time Traffic Information, BMW TeleServices, integration of mobile terminals
Infotainment	Opt: Internet, BMW Online incl Parkinfo, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office Functions, Bluetooth Audio Streaming, Online Update Music Tracks, 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 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, Active Protection, Automatic/Enhanced Emergency Call

Transmission

Type of gearbox	Eight-speed automatic with Steptronic		
Gear ratios	I	:1	4.714
	II	:1	3.143
	III	:1	2.106
	IV	:1	1.667
	V	:1	1.285
	VI	:1	1.000
	VII	:1	0.839
	VIII	:1	0.667
	R	:1	3.317
Final drive		:1	2.813

Performance

Power-to-weight ratio	kg/kW	6.1		
Output per litre	kW	68.3		
Acceleration	0–100 km/h	sec	5.0	
	Standing-start	sec	23.5	
	in 4th gear	80–120 km/h	sec	–
Top speed	km/h	250		

BMW EfficientDynamics

BMW EfficientDynamics, standard features	Brake Energy Regeneration with recuperation display, intelligent lightweight construction, on-demand operation of ancillary units, Electric Power Steering (EPS), detachable a/c compressor, tyres with reduced roll resistance
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Fuel consumption EU³⁾

With standard wheels and tyres

BMW 550i: 8J x 18 wheels and 245/45 R18 tyres (2K2)

Urban	ltr/100 km	15.4
Extra-urban	ltr/100 km	7.5
Combined	ltr/100 km	10.4
CO ₂	g/km	242

With 8J x 18 wheels at front, 9J x 18 at rear and 245/45 R18 tyres at front, 275/40 R18 at rear (2AH, 2DC, 2NC),

With 8.5J x 19 wheels at front, 9J x 19 at rear and 245/40 R19 tyres at front, 275/35 R19 at rear (2K3, 2WC, 2MZ, 2ND),

With 8.5J x 20 wheels at front, 9J x 20 at rear and 245/35 R20 tyres at front, 275/30 R20 at rear (2H9)

Urban	ltr/100 km	15.5
Extra-urban	ltr/100 km	7.5
Combined	ltr/100 km	10.4
CO ₂	g/km	243
Emission rating		EU5

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

¹⁾ Height with roof aerial: 1475 mm

²⁾ Oil change

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format