

# Specifications BMW 5 Series Touring. 550i



<b>BMW 550i Touring</b>	
<b>Body</b>	
No of doors/seats	5 / 5
Length/width/height <sup>1)</sup> (unladen)	mm 4907 / 1860 / 1462
Wheelbase	mm 2968
Track, front/rear	mm 1600 / 1626
Ground clearance	mm 141
Turning circle	m 11.95
Tank capacity	app ltr 70
Cooling system incl heater	ltr 11.4
Engine oil <sup>2)</sup>	ltr 8,5
Weight, unladen, to DIN/EU	kg 1900 / 1975
Max load to DIN	kg 640
Max permissible	kg 2540
Max axle load, front/rear	kg 1195 / 1415
Max trailer load (12%), braked/unbraked	kg 2000 / 750
Max roofload/max towbar dwl	kg 100 / 90
Luggage comp capacity	ltr 560-1670
Air resistance	Cd x A 0.33 x 2.35
<b>Engine</b>	
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
<b>Electrical System</b>	
Battery/installation	Ah/- 90 / luggage comp
Alternator	AW 220 / 3080
<b>Driving Dynamics and Safety</b>	
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 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

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### 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	2.647

### Performance

Power-to-weight ratio	kg/kW	6.3	
Output per litre	kW	68.3	
Acceleration	0–100 km/h	sec	5.1
	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 EU<sup>3)</sup>

With standard wheels and tyres		
BMW 550i: 8J x 18 wheels and 245/45 R18 tyres (2K2)		
Urban	ltr/100 km	15.8
Extra-urban	ltr/100 km	7.7
Combined	ltr/100 km	10.7
CO <sub>2</sub>	g/km	249
With 8,5J x 19 wheels and 245/40 R19 tyres (2K4, 2WD, 2M3, 2NA, 2NB)		
Urban	ltr/100 km	15.8
Extra-urban	ltr/100 km	7.8
Combined	ltr/100 km	10.7
CO <sub>2</sub>	g/km	250
Emission rating		EU5

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

<sup>1)</sup> Height with roof aerial: 1488 mm

<sup>2)</sup> Oil change

<sup>3)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format