



8/2011

Valid from  
9/2011

	BMW 520i Touring		BMW 528i Touring	
<b>Body</b>				
No of doors/seats		5 / 5		5 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	4907 / 1860 / 1462		4907 / 1860 / 1462
Wheelbase	mm	2968		2968
Track, front/rear	mm	1600 / 1626		1600 / 1626
Ground clearance	mm	141		141
Turning circle	m	11.95		11.95
Tank capacity	app ltr	70		70
Cooling system incl heater	ltr	9.1 (9.9)		9.1 (9.9)
Engine oil <sup>2)</sup>	ltr	5.75		5.75
Weight, unladen, to DIN/EU	kg	1705 / 1780 (1715 / 1790)		1715 / 1790 (1725 / 1800)
Max load to DIN	kg	640		640
Max permissible	kg	2345 (2355)		2355 (2365)
Max axle load, front/rear	kg	1070 / 1410		1070 / 1410
Max trailer load (12%), braked/unbraked	kg	1900 (2000) / 750		2000 / 750
Max roofload/max towbar down	kg	100 / 90		100 / 90
Luggage comp capacity	ltr	560–1670		560–1670
Air resistance	Cd x A	0.32 x 2.35		0.32 x 2.35
<b>Engine</b>				
Config/No of cyls/valves		Straight-four / 4		Straight-four / 4
Engine technology		BMW TwinPower Turbo with Twin-Scroll turbocharger, direct injection and fully variable valve control (VALVETRONIC)		BMW TwinPower Turbo with Twin-Scroll turbocharger, direct injection and fully variable valve control (VALVETRONIC)
Capacity, effective	cc	1997		1997
Stroke / bore	mm	90.1 / 84.0		90.1 / 84.0
Compression ratio	:1	11.0		10.3
Fuel grade		at least RON 91		at least RON 91
Max output	kW/hp	135 / 184		180 / 245
at	rpm	5000–6250		5000–6500
Max torque	Nm	270		350
at	rpm	1250-4500		1250-4800
<b>Electrical System</b>				
Battery/installation	Ah/–	90 / luggage comp		90 / luggage comp
Alternator	A/W	170 / 2380		170 / 2380
<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	330 x 24 / inner-vented		348 x 30 / inner-vented
Brakes, rear		Single-piston swing-calliper disc brakes		
Diameter	mm	330 x 20 / inner-vented		330 x 20 / 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: Dynamic Damper 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 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		225/55 R17 97Y
Rims, front/rear		8J x 17 light-alloy		8J x 17 light-alloy

# Specifications BMW 5 Series Touring.

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		<b>BMW 520i Touring</b>	<b>BMW 528i Touring</b>	
<b>BMW ConnectedDrive</b>				
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		
<b>Transmission</b>				
Type of gearbox		Six-speed manual (optional: eight-speed automatic with Steptronic)		
Gear ratios	I	:1	3.683 (4.714)	
	II	:1	2.062 (3.143)	
	III	:1	1.313 (2.106)	
	IV	:1	1.000 (1.667)	
	V	:1	0.809 (1.285)	
	VI	:1	0.677 (1.000)	
	VII	:1	– (0.839)	
	VIII	:1	– (0.667)	
	R	:1	3.348 (3.295)	
Final drive		:1	3.909 (3.231)	
<b>Performance</b>				
Power-to-weight ratio	kg/kW	12.6 (12.7)	9.5 (9.6)	
Output per litre	kW	67.6	90.1	
Acceleration	0–100 km/h	sec	8.3 (8.4)	
	Standing-start	sec	29.6 (29.7)	
	in 4th gear	80–120 km/h	sec	8.1 (–)
Top speed	km/h	220 (220)	244 (244)	
<b>BMW EfficientDynamics</b>				
BMW EfficientDynamics, standard features		Brake Energy Regeneration with recuperation display, Auto Start Stop function, gearshift point indicator (on manual gearbox models), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, Electric Power Steering (EPS), map-controlled oil pump, detachable a/c compressor, tyres with reduced roll resistance		
<b>Fuel consumption EU<sup>3)</sup></b>				
With standard wheels and tyres: 8J x 17 wheels, 225/55 R17 tyres (2K1)				
Urban	ltr/100 km	9.2 (8.7)	9.4 (9.0)	
Extra-urban	ltr/100 km	5.7 (5.5)	5.8 (5.5)	
Combined	ltr/100 km	7.0 (6.7)	7.1 (6.8)	
CO <sub>2</sub>	g/km	163 (156)	165 (159)	
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres (2HM, 2K2, 2DD, 2AK, 2NA, 931)				
Urban	ltr/100 km	9.4 (8.9)	9.6 (9.2)	
Extra-urban	ltr/100 km	5.9 (5.7)	5.9 (5.7)	
Combined	ltr/100 km	7.2 (6.9)	7.3 (7.0)	
CO <sub>2</sub>	g/km	167 (160)	169 (163)	
With 8,5J x 19 wheels and 245/40 R19 tyres (2K4, 2WD, 2M3, 2NB)				
Urban	ltr/100 km	9.6 (9.1)	9.7 (9.4)	
Extra-urban	ltr/100 km	6.0 (5.8)	6.0 (5.8)	
Combined	ltr/100 km	7.3 (7.0)	7.4 (7.1)	
CO <sub>2</sub>	g/km	170 (163)	172 (166)	
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

<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