

Specifications BMW 5 Series Touring. 528i xDrive, 535i xDrive



		BMW 528i xDrive Touring	BMW 535i xDrive Touring
Body			
No of doors/seats		5 / 5	5 / 5
Length/width/height ¹⁾ (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	10.1	10.5
Engine oil ²⁾	ltr	5.75	6.5
Weight, unladen, to DIN/EU	kg	1805 / 1880	1840 / 1915
Max load to DIN	kg	640	640
Max permissible	kg	2445	2495
Max axle load, front/rear	kg	1100 / 1420	1140 / 1410
Max trailer load (12%), braked/unbraked	kg	2000 / 750	2000 / 750
Max roofload/max towbar downl	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
Engine			
Config/No of cyls/valves		Straight-four / 4	Straight-six / 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	2979
Stroke / bore	mm	90.1 / 84.0	89.6 / 84.0
Compression ratio	:1	10.3	10.2
Fuel grade		at least RON 91	at least RON 91
Max output	kW/hp	180 / 245	225 / 306
at	rpm	5000–6500	5800
Max torque	Nm	350	400
at	rpm	1250–4800	1200–5000
Electrical System			
Battery/installation	Ah/–	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, 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 36 / inner-vented
Brakes, rear		Single-piston swing-calliper disc brakes	
Diameter	mm	330 x 20 / 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: Dynamic Damper Control, Adaptive Drive (BMW 535i xDrive)	
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	Hydraulic rack-and-pinion power steering with Servotronic
Steering transmission, overall	:1	16.0	17.9
Tyres, front/rear		225/55 R17 97Y	225/55 R17 97Y
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy

Specifications BMW 5 Series Touring.

8/2011

Valid from
9/2011

	BMW 528i xDrive Touring		BMW 535i xDrive Touring
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	3.295
Final drive		:1	3.231
Performance			
Power-to-weight ratio	kg/kW	10.0	8.2
Output per litre	kW	90.1	75.5
Acceleration	0–100 km/h	sec	6.7
	Standing-start	sec	27.0
in 4th gear	80–120 km/h	sec	–
Top speed	km/h	240	250
BMW EfficientDynamics			
BMW EfficientDynamics, standard features	Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, Electric Power Steering (BMW 528i xDrive), air flap control, map-controlled oil pump, detachable a/c compressor, tyres with reduced roll resistance		
Fuel consumption EU³⁾			
With standard wheels and tyres: 8J x 17 wheels, 225/55 R17 tyres (2K1)			
Urban	ltr/100 km	9.5	11.2
Extra-urban	ltr/100 km	5.9	6.7
Combined	ltr/100 km	7.3	8.3
CO ₂	g/km	169	194
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres (2HM, 2K2, 2DD, 2AK, 2NA, 931)			
Urban	ltr/100 km	9.7	11.4
Extra-urban	ltr/100 km	6.1	6.7
Combined	ltr/100 km	7.4	8.5
CO ₂	g/km	173	197
With 8,5J x 19 wheels and 245/40 R19 tyres (2K4, 2WD, 2M3, 2NB)			
Urban	ltr/100 km	9.9	11.5
Extra-urban	ltr/100 km	6.2	6.8
Combined	ltr/100 km	7.6	8.5
CO ₂	g/km	176	199
Emission rating		EU5	EU5

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

¹⁾ Height with roof aerial: 1488 mm

²⁾ Oil change

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