

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	12.1	12.1
Tank capacity	app ltr	70	70
Cooling system incl heater	ltr	9.3	10.1
Engine oil ²⁾	ltr	5.75	6.5
Weight, unladen, to DIN/EU	kg	1815 / 1890	1865 / 1940
Max load to DIN	kg	640	640
Max permissible	kg	2455	2505
Max axle load, front/rear	kg	1100 / 1420	1140 / 1415
Max trailer load (12%), braked/unbraked	kg	2000 / 750	2000 / 750
Max roofload/max towbar download	kg	100 / 90	100 / 90
Luggage comp capacity	ltr	560 – 1670	560 – 1670
Air resistance	Cd x A	⁴⁾ x 2.35	⁴⁾ 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 (High Precision Injection) and fully variable valve control (VALVETRONIC)	BMW TwinPower Turbo with Twin-Scroll turbocharger, direct injection (High Precision 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	10.0	10.2
Fuel grade		Min RON 91	Min RON 91
Max output	kW/hp	180 / 245	225 / 306
at	rpm	5000 – 6500	5800 – 6000
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 floating-calliper disc brakes in frame structure	
Diameter	mm	330 x 24 / inner-vented	348 x 36 / inner-vented
Brakes, rear		Single-piston aluminium floating-calliper disc brakes	
Diameter	mm	330 x 20 / inner-vented	345 x 24 / inner-vented
Driving stability systems		Standard: DSC incl ABS and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM); 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		Hydraulic rack-and-pinion power steering with Servotronic	
Steering transmission, overall	:1	17.9	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

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Transmission				
Type of gearbox		Eight-speed automatic with Steptronic		
Gear ratios	I	:1	4.714	4.714
	II	:1	3.143	3.143
	III	:1	2.106	2.106
	IV	:1	1.667	1.667
	V	:1	1.285	1.285
	VI	:1	1.000	1.000
	VII	:1	0.839	0.839
	VIII	:1	0.667	0.667
	R	:1	3.295	3.295
Final drive		:1	3.231	3.231
Performance				
Power-to-weight ratio (DIN)	kg/kW		10.1	8.3
Output per litre	kW		90.1	75.5
Acceleration	0–100 km/h	sec	6.6	5.7
	0–1000 m	sec	27.0	25.9
in 4th gear	80–120 km/h	sec	–	–
Top speed	km/h		244	250
BMW EfficientDynamics				
BMW EfficientDynamics, standard features		Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO mode with coasting function, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, map-controlled oil pump, detachable a/c compressor, efficiency-optimised rear differential and power divider, tyres with reduced roll resistance		
Fuel Consumption EU ³⁾				
With standard wheels and tyres: 8J x 17 wheels, 225/55 R17 tyres				
Urban	ltr/100 km		8.9	11.1
Extra-urban	ltr/100 km		5.5	6.3
Combined	ltr/100 km		6.7	8.1
CO ₂	g/km		157	188
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres				
Urban	ltr/100 km		9.2	11.4
Extra-urban	ltr/100 km		5.7	6.5
Combined	ltr/100 km		7.0	8.3
CO ₂	g/km		162	193
With 8,5J x 19 wheels and 245/40 R19 tyres				
Urban	ltr/100 km		9.5	11.7
Extra-urban	ltr/100 km		5.9	6.6
Combined	ltr/100 km		7.2	8.5
CO ₂	g/km		167	198
Emission rating			EU6	EU6

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

⁴⁾ Data not yet available