

# Specifications BMW 5 Series Touring. 530d, 535d



BMW 530d Touring		BMW 535d 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 12.0	12.0
Tank capacity	app ltr 70	70
Cooling system incl heater	ltr 8.0	8.0
Engine oil <sup>2)</sup>	ltr 6.5	6.5
Weight, unladen, to DIN/EU	kg 1820 / 1895	1850 / 1925
Max load to DIN	kg 650	650
Max permissible	kg 2470	2500
Max axle load, front/rear	kg 1125 / 1400	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 <sup>4)</sup> x 2.35	<sup>4)</sup> x 2.35
<b>Engine</b>		
Config/No of cyls/valves	Straight-six / 4	Straight-six / 4
Engine technology	BMW TwinPower Turbo technology with variable-geometry turbocharger, Common Rail direct injection with solenoid valve injectors (max. injection pressure: 1800 bar)	BMW TwinPower Turbo technology with multi-stage variable-geometry high-pressure turbocharger, Common Rail direct injection with piezo injectors (max. injection pressure 2000 bar)
Capacity, effective	cc 2993	2993
Stroke / bore	mm 90.0 / 84.0	90.0 / 84.0
Compression ratio	:1 16.5	16.5
Fuel grade	Diesel	Diesel
Max output	kW/hp 190 / 258	230 / 313
at	rpm 4000	4400
Max torque	Nm 560	630
at	rpm 1500 – 3000	1500 – 2500
<b>Electrical System</b>		
Battery/installation	Ah/– 90 / luggage comp	90 / luggage comp
Alternator	A/W 180 / 2520	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 floating-calliper disc brakes in frame structure	
Diameter	mm 348 x 30 / 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 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	
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 97Y	
Rims, front/rear	8J x 17 light-alloy	

6/2013

Valid from  
7/2013

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Transmission			
Type of gearbox		Eight-speed automatic with Steptronic	
Gear ratios	I	4.714	4.714
	II	3.143	3.143
	III	2.106	2.106
	IV	1.667	1.667
	V	1.285	1.285
	VI	1.000	1.000
	VII	0.839	0.839
	VIII	0.667	0.667
	R	3.317	3.317
Final drive		2.471	2.647
Performance			
Power-to-weight ratio (DIN)	kg/kW	9.6	8.0
Output per litre	kW/hp	63.5	76.8
Acceleration	0–100 km/h	sec	5.4
	0–1000 m	sec	24.8
in 4th gear	80–120 km/h	sec	–
Top speed	km/h	250	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, Electric Power Steering (EPS), detachable a/c compressor, tyres with reduced roll resistance, BMW BluePerformance technology	
Fuel Consumption EU <sup>3)</sup>			
With standard tyres: wheels 8J x 17, tyres 225/55 R17			
Urban	ltr/100 km	6.2	6.5
Extra-urban	ltr/100 km	4.7	4.9
Combined	ltr/100 km	5.3	5.5
CO <sub>2</sub>	g/km	139	144
With 8J x 18 wheels and 245/45 R18 tyres or winter tyres			
Urban	ltr/100 km	6.5	6.7
Extra-urban	ltr/100 km	4.9	5.1
Combined	ltr/100 km	5.5	5.7
CO <sub>2</sub>	g/km	144	149
With 8.5J x 19 wheels and 245/40 R19 tyres			
Urban	l/100 km	6.7	7.0
Extra-urban	l/100 km	5.1	5.2
Combined	l/100 km	5.7	5.9
CO <sub>2</sub>	g/km	149	154
Emission rating		EU6	EU6

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

<sup>4)</sup> Data not yet available