

Specifications BMW 5 Series Touring. 518d, 520d



BMW 518d Touring		BMW 520d 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 12.0	12.0
Tank capacity	app ltr 70	70
Cooling system incl heater	ltr 7.0	7.0
Engine oil ²⁾	ltr 5.0	5.0
Weight, unladen, to DIN/EU	kg 1720 / 1795 (1730 / 1805)	1725 / 1800 (1735 / 1810)
Max load to DIN	kg 650	650
Max permissible weight	kg 2370 (2380)	2375 (2385)
Max axle load, front/rear	kg 1060 / 1420	1060 / 1420
Max trailer load (12%), braked/unbraked	kg 2000 / 750	1800 (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 0,29 x 2.35	0,28 x 2.35
Engine		
Config/No of cyls/valves	Straight-four / 4	Straight-four / 4
Engine technology	BMW TwinPower Turbo technology with variable-geometry turbocharger, Common Rail direct injection with solenoid valve injectors (max. injection pressure: 2000 bar)	
Capacity, effective	cc 1995	1995
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 110 / 150	140 / 190
at	rpm 4000	4000
Max torque	Nm 360	400
at	rpm 1750 – 2500	1750 – 2500
Electrical System		
Battery/installation	Ah/– 90 / luggage comp	90 / luggage comp
Alternator	A/W 180 / 2520	180 / 2520
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, 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 330 x 24 / inner-vented	330 x 24 / inner-vented
Brakes, rear	Single-piston aluminium floating-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 97W
Rims, front/rear	8J x 17 light-alloy	8J x 17 light-alloy

5/2014

Valid from
7/2014

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Transmission				
Type of gearbox		6-speed manual (optional: 8-speed Steptronic)		
Gear ratios		I	:1	4.110 (5.000)
		II	:1	2.248 (3.200)
		III	:1	1.403 (2.143)
		IV	:1	1.000 (1.720)
		V	:1	0.802 (1.314)
		VI	:1	0.659 (1.000)
		VII	:1	– (0.822)
		VIII	:1	– (0.640)
		R	:1	3.727 (3.456)
Final drive			:1	3.385 (3.077)
Performance				
Power-to-weight ratio (DIN)		kg/kW	15.6 (15.7)	12.3 (12.4)
Output per litre		kW	55.1	70.2
Acceleration		0–100 km/h	sec	9.9 (9.8)
		0–1000 m	sec	30.9 (31.2)
in 5th gear		80–120 km/h	sec	10.2 (–)
Top speed		km/h	210 (209)	229 (226)
BMW EfficientDynamics				
BMW EfficientDynamics, standard features		Brake Energy Regeneration with recuperation display, Auto Start Stop function, gearshift point indicator (on manual gearbox models), ECO PRO mode with coasting function (on automatic models), 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 ³⁾				
With standard wheels and tyres: 8J x 17 wheels, 225/55 R17 tyres				
Urban		ltr/100 km	5,6 (5,2)	5,5 (5,2)
Extra-urban		ltr/100 km	4,1 (4,1)	4,1 (4,1)
Combined		ltr/100 km	4,7 (4,5)	4,6 (4,5)
CO ₂		g/km	122 (118)	122 (118)
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres				
Urban		ltr/100 km	5.7 (5.5)	5.7 (5.5)
Extra-urban		ltr/100 km	4.3 (4.2)	4.3 (4.2)
Combined		ltr/100 km	4.8 (4.7)	4.8 (4.7)
CO ₂		g/km	127 (123)	127 (123)
With 8,5J x 19 wheels and 245/40 R19 tyres				
Urban		ltr/100 km	5.9 (5.7)	5.9 (5.7)
Extra-urban		ltr/100 km	4.5 (4.4)	4.5 (4.4)
Combined		ltr/100 km	5.0 (4.9)	5.0 (4.9)
CO ₂		g/km	132 (128)	132 (128)
Emission rating			EU6	EU6

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight)
Figures in brackets apply to automatic transmission models

¹⁾ Height with roof aerial: 1488 mm

²⁾ Oil change

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