

Specifications BMW 5 Series Touring. 520d, 525d



	BMW 520d Touring		BMW 525d 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	7.0		9.0
Engine oil ²⁾	ltr	5.2		5.2
Weight, unladen, to DIN/EU	kg	1710 / 1785 (1715 / 1790)		1745 / 1820 (1750 / 1825)
Max load to DIN	kg	650		650
Max permissible	kg	2360 (2365)		2395 (2400)
Max axle load, front/rear	kg	1060 / 1400		1100 / 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	0.31 x 2.35		0.31 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 piezo injectors (max. injection pressure: 1800 bar)		BMW TwinPower Turbo technology with two turbochargers (Variable Twin Turbo), Common Rail direct injection with piezo injectors (max. injection pressure: 1800 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	135 / 184		160 / 218
at	rpm	4000		4400
Max torque	Nm	380		450
at	rpm	1750-2750		1500-2500
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 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 97W
Rims, front/rear		8J x 17 light-alloy		8J x 17 light-alloy

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8/2011

Valid from
9/2011

		BMW 520d Touring	BMW 525d 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	Six-speed manual (optional: eight-speed automatic with Steptronic)			
Gear ratios	I	:1	4.110 (4.714)	
	II	:1	2.248 (3.143)	
	III	:1	1.403 (2.106)	
	IV	:1	1.000 (1.667)	
	V	:1	0.802 (1.285)	
	VI	:1	0.659 (1.000)	
	VII	:1	– (0.839)	
	VIII	:1	– (0.667)	
	R	:1	3.727 (3.295)	
Final drive		:1	3.462 (3.077)	
Performance				
Power-to-weight ratio	kg/kW	12.7 (12.7)	10.9 (10.9)	
Output per litre	kW	67.7	80.2	
Acceleration	0–100 km/h	sec	8.3 (8.3)	
	Standing-start	sec	29.3 (29.4)	
	in 4th gear	80–120 km/h	sec	7.1 (–)
Top speed	km/h	222 (220)	236 (233)	
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, 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			
Fuel consumption EU³⁾				
With standard wheels and tyres: 8J x 17 wheels, 225/55 R17 tyres (2K1)				
Urban	ltr/100 km	5.9 (5.9)	6.6 (6.0)	
Extra-urban	ltr/100 km	4.4 (4.3)	4.5 (4.6)	
Combined	ltr/100 km	4.9 (4.9)	5.3 (5.1)	
CO ₂	g/km	130 (129)	138 (135)	
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres (2HM, 2K2, 2DD, 2AK, 2NA, 931)				
Urban	ltr/100 km	6.0 (6.1)	6.7 (6.2)	
Extra-urban	ltr/100 km	4.5 (4.4)	4.6 (4.7)	
Combined	ltr/100 km	5.1 (5.1)	5.4 (5.3)	
CO ₂	g/km	134 (133)	142 (139)	
With 8,5J x 19 wheels and 245/40 R19 tyres (2K4, 2WD, 2M3, 2NB)				
Urban	ltr/100 km	6.2 (6.3)	6.9 (6.3)	
Extra-urban	ltr/100 km	4.6 (4.5)	4.7 (4.8)	
Combined	ltr/100 km	5.2 (5.2)	5.5 (5.4)	
CO ₂	g/km	137 (136)	145 (142)	
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

¹⁾ Height with roof aerial: 1488 mm

²⁾ Oil change

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