

# Specifications.

## BMW 5 Series Touring.

### 520d.



BMW 520d Touring		
<b>Body</b>		
No. of doors/seats		5 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	4942 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.0
Tank capacity	approx. ltr	66
Engine oil <sup>2)</sup>	ltr	5.5
Weight, unladen, to DIN/EU	kg	1740 / 1815
Max. load to DIN	kg	700
Max. permissible weight	kg	2440
Max. axle load, front/rear	kg	1100 / 1435
Max. trailer load, braked (12%/unbraked)	kg	2000 / 750
Max. roof load/towbar download	kg	100 / 90
Luggage comp. capacity	ltr	570 – 1700
Air resistance	C <sub>d</sub> x A	0.27 x 2.35
<b>Engine</b>		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology	BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common rail direct fuel injection with solenoid injectors (max. injection pressure: 2000 bar)	
Effective capacity	cm <sup>3</sup>	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	140 / 190
at	rpm	4000
Torque	Nm	400
at	rpm	1750 – 2500
<b>Electrical System</b>		
Battery/Installation	Ah/–	90 / luggage comp.
<b>Driving Dynamics and Safety</b>		
Suspension, front	Aluminium double track control arm axle with separate lower track arm level, small steering roll radius, traverse force compensation, anti-dive	
Suspension, rear	Five-link axle in aluminium lightweight construction, double elastic bearing, air suspension with automatic self-levelling	
Brakes, front	Four-piston fixed-calliper disc brakes / vented	
Brakes, rear	Single-piston floating-calliper disc brakes / vented	
Driving stability systems	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant; optional: Adaptive Suspension, 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 seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator	
Steering	Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Integral Active Steering	
Steering ratio, overall	:1	17.0
Tyres, front/rear		225/55 R17 101Y XL
Rims, front/rear		7.5J x 17 light-alloy

BMW 520d Touring			
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929
Performance			
Power-to-weight ratio (DIN)		kg/kW	12.4
Output per litre		kW/l	70.2
Acceleration	0–100 km/h	s	7.5
Top speed		km/h	225
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Mild hybrid technology with 48 volt starter generator, Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter	
Fuel consumption EU cycle			
Urban		ltr/100 km	5.1 – 4.8
Extra-urban		ltr/100 km	4.2 – 4.1
Combined		ltr/100 km	4.5 – 4.3
CO <sub>2</sub>		g/km	118 – 114
Emission rating		EU6d-TEMP	

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

- <sup>1)</sup> Height including roof aerial  
<sup>2)</sup> Oil change volume

The values for fuel consumption, CO<sub>2</sub> emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO<sub>2</sub>-emissions the CO<sub>2</sub> values may differ to the values stated here.

# BMW 5 Series Touring. 520d xDrive.

BMW 520d xDrive Touring		
<b>Body</b>		
No. of doors/seats		5 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	4942 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.2
Tank capacity	approx. ltr	66
Engine oil <sup>2)</sup>	ltr	5.5
Weight, unladen, to DIN/EU	kg	1805 / 1880
Max. load to DIN	kg	710
Max. permissible weight	kg	2515
Max. axle load, front/rear	kg	1150 / 1455
Max. trailer load, braked (12%/unbraked)	kg	2000 / 750
Max. roof load/towbar download	kg	100 / 90
Luggage comp. capacity	ltr	570 – 1700
Air resistance	C <sub>d</sub> x A	0.28 x 2.35
<b>Engine</b>		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology	BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common rail direct fuel injection with solenoid injectors (max. injection pressure: 2000 bar)	
Effective capacity	cm <sup>3</sup>	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	140 / 190
at	rpm	4000
Torque	Nm	400
at	rpm	1750 – 2500
<b>Electrical System</b>		
Battery/Installation	Ah/–	90 / luggage comp.
<b>Driving Dynamics and Safety</b>		
Suspension, front	Aluminium double track control arm axle with separate lower track arm level, small steering roll radius, traverse force compensation, anti-dive	
Suspension, rear	Five-link axle in aluminium lightweight construction, double elastic bearing, air suspension with automatic self-levelling	
Brakes, front	Four-piston fixed-calliper disc brakes / vented	
Brakes, rear	Single-piston floating-calliper disc brakes / vented	
Driving stability systems	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant, networked with xDrive all-wheel-drive system; optional: Adaptive Suspension, 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 seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator	
Steering	Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Integral Active Steering	
Steering ratio, overall	:1	16.5
Tyres, front/rear		225/55 R17 101Y XL
Rims, front/rear		7.5J x 17 light-alloy

BMW 520d xDrive Touring			
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
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	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929
Performance			
Power-to-weight ratio (DIN)	kg/kW	12.9	
Output per litre	kW/l	70.2	
Acceleration 0–100 km/h	s	7.5	
Top speed	km/h	222	
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Mild hybrid technology with 48 volt starter generator, Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter	
Fuel consumption EU cycle			
Urban	ltr/100 km	5.4 – 5.3	
Extra-urban	ltr/100 km	4.5 – 4.4	
Combined	ltr/100 km	4.9 – 4.7	
CO <sub>2</sub>	g/km	128 – 124	
Emission rating		EU6d-TEMP	

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

- <sup>1)</sup> Height including roof aerial  
<sup>2)</sup> Oil change volume

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