

Specifications.

BMW 5 Series Touring.

520i.



BMW 520i Touring		
Body		
No. of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4942 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.05
Tank capacity	approx. ltr	68
Engine oil ²⁾	ltr	5.25
Weight, unladen, to DIN/EU	kg	1635 / 1710
Max. load to DIN	kg	715
Max. permissible weight	kg	2350
Max. axle load, front/rear	kg	1055 / 1400
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 _d x A	0.28 x 2.35
Engine		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cm ³	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	10.2
Fuel		min RON 91
Output	kW/hp	135 / 184
at	rpm	5000 – 6500
Torque	Nm	290
at	rpm	1350 – 4250
Electrical System		
Battery/Installation	Ah/–	90 / luggage comp.
Driving Dynamics and Safety		
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	16.3
Tyres, front/rear		225/55 R17 97Y
Rims, front/rear		7.5J x 17 light-alloy

BMW 520i 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	2.813
Performance			
Power-to-weight ratio (DIN)	kg/kW		12.1
Output per litre	kW/l		67.6
Acceleration 0–100 km/h	s		8.2
Top speed	km/h		225
BMW EfficientDynamics			
BMW EfficientDynamics standard features	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		
Fuel consumption EU cycle			
Urban	ltr/100 km		7.4 – 7.3
Extra-urban	ltr/100 km		5.6 – 5.3
Combined	ltr/100 km		6.3 – 6.1
CO ₂	g/km		143 – 138
Emission rating	EU6d-TEMP		

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

¹⁾ Height including roof aerial

²⁾ Oil change volume

The values for fuel consumption, CO₂ 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 CO₂-emissions the CO₂ values may differ to the values stated here.

BMW 5 Series Touring. 530i.

BMW 530i Touring		
Body		
No. of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4942 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.05
Tank capacity	approx. ltr	68
Engine oil ²⁾	ltr	5.25
Weight, unladen, to DIN/EU	kg	1640 / 1715
Max. load to DIN	kg	720
Max. permissible weight	kg	2360
Max. axle load, front/rear	kg	1065 / 1410
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 _d x A	0.29 x 2.35
Engine		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cm ³	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	10.2
Fuel		min RON 91
Output	kW/hp	185 / 252
at	rpm	5200 – 6500
Torque	Nm	350
at	rpm	1450 – 4800
Electrical System		
Battery/Installation	Ah/–	90 / luggage comp.
Driving Dynamics and Safety		
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	16.3
Tyres, front/rear		225/55 R17 97Y
Rims, front/rear		7.5J x 17 light-alloy

BMW 530i 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	2.813
Performance			
Power-to-weight ratio (DIN)	kg/kW		8.9
Output per litre	kW/l		92.6
Acceleration 0–100 km/h	s		6.4
Top speed	km/h		250
BMW EfficientDynamics			
BMW EfficientDynamics standard features	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		
Fuel consumption EU cycle			
Urban	ltr/100 km		8.0 – 7.3
Extra-urban	ltr/100 km		5.4 – 5.4
Combined	ltr/100 km		6.3 – 6.1
CO ₂	g/km		144 – 139
Emission rating	EU6d-TEMP		

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

¹⁾ Height including roof aerial

²⁾ Oil change volume

The values for fuel consumption, CO₂ 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 CO₂-emissions the CO₂ values may differ to the values stated here.

BMW 5 Series Touring. 530i xDrive.

BMW 530i xDrive Touring		
Body		
No. of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4942 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.22
Tank capacity	approx. ltr	68
Engine oil ²⁾	ltr	5.25
Weight, unladen, to DIN/EU	kg	1700 / 1775
Max. load to DIN	kg	740
Max. permissible weight	kg	2440
Max. axle load, front/rear	kg	1115 / 1425
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 _d x A	0.28 x 2.35
Engine		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cm ³	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	10.2
Fuel		min RON 91
Output	kW/hp	185 / 252
at	rpm	5200 – 6500
Torque	Nm	350
at	rpm	1450 – 4800
Electrical System		
Battery/Installation	Ah/–	90 / luggage comp.
Driving Dynamics and Safety		
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	16.3
Tyres, front/rear		225/55 R17 97Y
Rims, front/rear		7.5J x 17 light-alloy

BMW 530i 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
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.813
Performance			
Power-to-weight ratio (DIN)		kg/kW	9.2
Output per litre		kW/l	92.6
Acceleration 0–100 km/h		s	6.3
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		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	
Fuel consumption EU cycle			
Urban	ltr/100 km	8.3 – 8.2	
Extra-urban	ltr/100 km	6.2 – 5.9	
Combined	ltr/100 km	7.0 – 6.7	
CO ₂	g/km	159 – 153	
Emission rating		EU6d-TEMP	

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¹⁾ Height including roof aerial

²⁾ Oil change volume

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BMW 5 Series Touring. 540i xDrive.

BMW 540i xDrive Touring		
Body		
No. of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4942 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.22
Tank capacity	approx. ltr	68
Engine oil ²⁾	ltr	6.5
Weight, unladen, to DIN/EU	kg	1765 / 1840
Max. load to DIN	kg	730
Max. permissible weight	kg	2495
Max. axle load, front/rear	kg	1185 / 1430
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 _d x A	0.29 x 2.35
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cm ³	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		min RON 91
Output	kW/hp	250 / 340
at	rpm	5500 – 6500
Torque	Nm	450
at	rpm	1380 – 5200
Electrical System		
Battery/Installation	Ah/–	90 / luggage comp.
Driving Dynamics and Safety		
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	16.3
Tyres, front/rear		225/55 R17 97Y
Rims, front/rear		7.5J x 17 light-alloy

BMW 540i xDrive Touring			
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.314
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.456
Final drive		:1	2.929
Performance			
Power-to-weight ratio (DIN)	kg/kW		7.1
Output per litre	kW/l		83.4
Acceleration 0–100 km/h	s		5.1
Top speed	km/h		250
BMW EfficientDynamics			
BMW EfficientDynamics standard features	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		
Fuel consumption EU cycle			
Urban	ltr/100 km		10.6 – 10.0
Extra-urban	ltr/100 km		6.6 – 6.6
Combined	ltr/100 km		8.0 – 7.8
CO ₂	g/km		183 – 178
Emission rating	EU6d-TEMP		

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¹⁾ Height including roof aerial

²⁾ Oil change volume

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BMW 5 Series Touring. 520d.

BMW 520d Touring		
Body		
No. of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4942 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.05
Tank capacity	approx. ltr	66
Engine oil ²⁾	ltr	5.0
Weight, unladen, to DIN/EU	kg	1685 / 1760
Max. load to DIN	kg	720
Max. permissible weight	kg	2405
Max. axle load, front/rear	kg	1080 / 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 _d x A	0.27 x 2.35
Engine		
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 ³	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
Electrical System		
Battery/Installation	Ah/–	90 / luggage comp.
Driving Dynamics and Safety		
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	16.3
Tyres, front/rear		225/55 R17 97Y
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	12.0
Output per litre		kW/l	70.2
Acceleration	0–100 km/h	s	7.6
Top speed		km/h	225
BMW EfficientDynamics			
BMW EfficientDynamics standard features		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	5.4 – 5.2	
Extra-urban	ltr/100 km	4.6 – 4.4	
Combined	ltr/100 km	4.9 – 4.7	
CO ₂	g/km	128 – 123	
Emission rating		EU6d-TEMP	

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¹⁾ Height including roof aerial

²⁾ Oil change volume

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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 CO₂-emissions the CO₂ values may differ to the values stated here.

BMW 5 Series Touring. 520d xDrive.

BMW 520d xDrive Touring		
Body		
No. of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4942 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.22
Tank capacity	approx. ltr	66
Engine oil ²⁾	ltr	5.0
Weight, unladen, to DIN/EU	kg	1750 / 1825
Max. load to DIN	kg	730
Max. permissible weight	kg	2480
Max. axle load, front/rear	kg	1130 / 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 _d x A	0.28 x 2.35
Engine		
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 ³	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
Electrical System		
Battery/Installation	Ah/–	90 / luggage comp.
Driving Dynamics and Safety		
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	16.3
Tyres, front/rear		225/55 R17 97Y
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
	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	12.5
Output per litre		kW/l	70.2
Acceleration	0–100 km/h	s	7.6
Top speed		km/h	222
BMW EfficientDynamics			
BMW EfficientDynamics standard features		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	5.7 – 5.7	
Extra-urban	ltr/100 km	4.8 – 4.6	
Combined	ltr/100 km	5.2 – 5.0	
CO ₂	g/km	136 – 131	
Emission rating		EU6d-TEMP	

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

¹⁾ Height including roof aerial

²⁾ Oil change volume

The values for fuel consumption, CO₂ 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 CO₂-emissions the CO₂ values may differ to the values stated here.

BMW 5 Series Touring. 525d.

BMW 525d Touring		
Body		
No. of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4942 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.05
Tank capacity	approx. ltr	66
Engine oil ²⁾	ltr	5.0
Weight, unladen, to DIN/EU	kg	1690 / 1765
Max. load to DIN	kg	735
Max. permissible weight	kg	2425
Max. axle load, front/rear	kg	1090 / 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 _d x A	0.27 x 2.35
Engine		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging, high and low pressure turbocharger with variable inlet geometry, common rail direct fuel injection with solenoid injectors (max. injection pressure: 2500 bar)
Effective capacity	cm ³	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	170 / 231
at	rpm	4400
Torque	Nm	500
at	rpm	2000
Electrical System		
Battery/Installation	Ah/–	90 / luggage comp.
Driving Dynamics and Safety		
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	16.3
Tyres, front/rear		225/55 R17 97Y
Rims, front/rear		7.5J x 17 light-alloy

BMW 525d Touring			
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.314
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.456
Final drive		:1	2.813
Performance			
Power-to-weight ratio (DIN)	kg/kW		9.9
Output per litre	kW/l		85.2
Acceleration 0–100 km/h	s		6.8
Top speed	km/h		245
BMW EfficientDynamics			
BMW EfficientDynamics standard features	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		6.2 – 5.8
Extra-urban	ltr/100 km		4.9 – 4.7
Combined	ltr/100 km		5.4 – 5.1
CO ₂	g/km		142 – 134
Emission rating			EU6c

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

¹⁾ Height including roof aerial

²⁾ Oil change volume

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BMW 5 Series Touring. 530d.

BMW 530d Touring		
Body		
No. of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4942 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.05
Tank capacity	approx. ltr	66
Engine oil ²⁾	ltr	6.5
Weight, unladen, to DIN/EU	kg	1740 / 1815
Max. load to DIN	kg	740
Max. permissible weight	kg	2480
Max. axle load, front/rear	kg	1140 / 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 _d x A	0.27 x 2.35
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common rail direct fuel injection with piezo injectors (max. injection pressure: 2500 bar)	
Effective capacity	cm ³	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	195 / 265
at	rpm	4000
Torque	Nm	620
at	rpm	2000 – 2500
Electrical System		
Battery/Installation	Ah/–	90 / luggage comp.
Driving Dynamics and Safety		
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	16.3
Tyres, front/rear		225/55 R17 97Y
Rims, front/rear		7.5J x 17 light-alloy

BMW 530d Touring			
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.471
Performance			
Power-to-weight ratio (DIN)		kg/kW	8.9
Output per litre		kW/l	65.2
Acceleration	0–100 km/h	s	5.8
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		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	6.3 – 6.3	
Extra-urban	ltr/100 km	5.0 – 4.7	
Combined	ltr/100 km	5.5 – 5.3	
CO ₂	g/km	144 – 139	
Emission rating		EU6c	

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

¹⁾ Height including roof aerial

²⁾ Oil change volume

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BMW 5 Series Touring. 530d xDrive.

BMW 530d xDrive Touring		
Body		
No. of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4942 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.22
Tank capacity	approx. ltr	66
Engine oil ²⁾	ltr	6.5
Weight, unladen, to DIN/EU	kg	1790 / 1865
Max. load to DIN	kg	740
Max. permissible weight	kg	2530
Max. axle load, front/rear	kg	1190 / 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 _d x A	0.28 x 2.35
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common rail direct fuel injection with piezo injectors (max. injection pressure: 2500 bar)	
Effective capacity	cm ³	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	195 / 265
at	rpm	4000
Torque	Nm	620
at	rpm	2000 – 2500
Electrical System		
Battery/Installation	Ah/–	90 / luggage comp.
Driving Dynamics and Safety		
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	16.3
Tyres, front/rear		225/55 R17 97Y
Rims, front/rear		7.5J x 17 light-alloy

BMW 530d xDrive Touring			
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.471
Performance			
Power-to-weight ratio (DIN)		kg/kW	9.2
Output per litre		kW/l	65.2
Acceleration	0–100 km/h	s	5.6
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		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	6.9 – 6.8	
Extra-urban	ltr/100 km	5.3 – 4.8	
Combined	ltr/100 km	5.9 – 5.6	
CO ₂	g/km	154 – 148	
Emission rating		EU6c	

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

¹⁾ Height including roof aerial

²⁾ Oil change volume

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BMW 5 Series Touring. 540d xDrive.

BMW 540d xDrive Touring		
Body		
No. of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4942 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.22
Tank capacity	approx. ltr	66
Engine oil ²⁾	ltr	6.5
Weight, unladen, to DIN/EU	kg	1845 / 1920
Max. load to DIN	kg	720
Max. permissible weight	kg	2565
Max. axle load, front/rear	kg	1215 / 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 _d x A	0.29 x 2.35
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging, high and low pressure turbocharger with variable inlet geometry, common rail direct fuel injection with piezo injectors (max. injection pressure: 2500 bar)
Effective capacity	cm ³	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	235 / 320
at	rpm	4400
Torque	Nm	680
at	rpm	1750 – 2250
Electrical System		
Battery/Installation	Ah/–	90 / luggage comp.
Driving Dynamics and Safety		
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	16.3
Tyres, front/rear		225/55 R17 97Y
Rims, front/rear		7.5J x 17 light-alloy

BMW 540d xDrive Touring			
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.563
Performance			
Power-to-weight ratio (DIN)		kg/kW	7.9
Output per litre		kW/l	78.5
Acceleration	0–100 km/h	s	4.9
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		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	7.5 – 7.3	
Extra-urban	ltr/100 km	5.5 – 5.2	
Combined	ltr/100 km	6.2 – 6.0	
CO ₂	g/km	164 – 157	
Emission rating		EU6c	

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

¹⁾ Height including roof aerial

²⁾ Oil change volume

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BMW 5 Series Touring. M550d xDrive.

BMW M550d xDrive Touring		
Body		
No. of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4962 / 1868 / 1488
Wheelbase	mm	2975
Track, front/rear	mm	1600 / 1598
Ground clearance	mm	130
Turning circle	m	12.24
Tank capacity	approx. ltr	66
Engine oil ²⁾	ltr	6.5
Weight, unladen, to DIN/EU	kg	1955 / 2030
Max. load to DIN	kg	665
Max. permissible weight	kg	2620
Max. axle load, front/rear	kg	1255 / 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 _d x A	0.31 x 2.35
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology: multi-stage charging with four turbochargers, high and low pressure charging stage with two chargers each, high pressure turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: >2500 bar)	
Effective capacity	cm ³	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.0
Fuel		Diesel
Output	kW/hp	294 / 400
at	rpm	4400
Torque	Nm	760
at	rpm	2000 – 3000
Electrical System		
Battery/Installation	Ah/–	105 / luggage comp.
Driving Dynamics and Safety		
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, Integral Active Steering	
Steering ratio, overall	:1	16.3
Tyres, front/rear	245/40 R19 98Y XL / 275/35 R19 100Y XL	
Rims, front/rear	8J x 19 light-alloy / 9J x 19 light-alloy	

BMW M550d xDrive Touring			
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.813
Performance			
Power-to-weight ratio (DIN)		kg/kW	6.6
Output per litre		kW/l	98.2
Acceleration	0–100 km/h	s	4.6
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		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	8.1 – 8.1	
Extra-urban	ltr/100 km	6.0 – 5.9	
Combined	ltr/100 km	6.8 – 6.7	
CO ₂	g/km	178 – 176	
Emission rating		EU6c	

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

¹⁾ Height including roof aerial

²⁾ Oil change volume

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