

Technical specifications.

The new BMW 5 Series Touring.

520i.



BMW 520i Touring		
Body		
No of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.0
Fuel tank capacity	approx. l	68
Engine oil ²⁾	l	5.25
Weight, unladen, to DIN/EU	kg	1715 / 1790
Max load to DIN	kg	695
Max permissible weight	kg	2410
Max axle load, front/rear	kg	1100 / 1410
Max trailer load, braked (12%/unbraked)	kg	2000 / 750
Max roofload/max towbar download	kg	100 / 90
Luggage comp capacity	l	560 – 1700
Air resistance	c _d x A	0.27 x 2.35
Power Unit		
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	cc	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		Min. RON 91
Max output	kW/hp	135 / 184
at	rpm	5000 – 6500
Max torque	Nm	290
at	rpm	1350 – 4250
48V mild hybrid technology		
Max output	kW/hp	8 / 11
Electrical System		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
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: Adaptive suspension, Adaptive Drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS), 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 520i Touring

Transmission

Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929

Performance

Power-to-weight ratio (DIN)	kg/kW	12.7
Output per litre	kW/l	67.6
Acceleration 0–100 km/h	s	8.3
Top speed	km/h	225

BMW EfficientDynamics

BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance
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Fuel Consumption ECE

Urban	l/100 km	7.0 – 6.7
Extra-urban	l/100 km	5.0 – 4.8
Combined	l/100 km	5.7 – 5.5
CO ₂	g/km	131 – 126
Emission rating		Euro 6d

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

- ¹⁾ Height including roof fin
- ²⁾ Oil change

The fuel consumption, CO₂ emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the 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 from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

The new BMW 5 Series Touring. 530i.

BMW 530i Touring		
Body		
No of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.0
Fuel tank capacity	approx. l	68
Engine oil ²⁾	l	5.25
Weight, unladen, to DIN/EU	kg	1730 / 1805
Max load to DIN	kg	695
Max permissible weight	kg	2425
Max axle load, front/rear	kg	1120 / 1430
Max trailer load, braked (12%/unbraked)	kg	2000 / 750
Max roofload/max towbar download	kg	100 / 90
Luggage comp capacity	l	560 – 1700
Air resistance	c _d x A	0.27 x 2.35
Power Unit		
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	cc	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	10.2
Fuel		Min. RON 91
Max output	kW/hp	185 / 252
at	rpm	5200 – 6500
Max torque	Nm	350
at	rpm	1450 – 4800
48V mild hybrid technology		
Max output	kW/hp	8 / 11
Electrical System		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
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: Adaptive suspension, Adaptive Drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS), 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 530i Touring

Transmission

Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.813

Performance

Power-to-weight ratio (DIN)	kg/kW	9.4
Output per litre	kW/l	92.6
Acceleration 0–100 km/h	s	6.7
Top speed	km/h	250

BMW EfficientDynamics

BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance
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Fuel Consumption ECE

Urban	l/100 km	7.0 – 6.8
Extra-urban	l/100 km	5.1 – 4.8
Combined	l/100 km	5.8 – 5.6
CO ₂	g/km	133 – 127
Emission rating		Euro 6d

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

- ¹⁾ Height including roof fin
²⁾ Oil change

The fuel consumption, CO₂ emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

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Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

The new BMW 5 Series Touring. 530i xDrive.

BMW 530i xDrive Touring		
Body		
No of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.4
Fuel tank capacity	approx. l	68
Engine oil ²⁾	l	5.25
Weight, unladen, to DIN/EU	kg	1790 / 1865
Max load to DIN	kg	700
Max permissible weight	kg	2490
Max axle load, front/rear	kg	1170 / 1440
Max trailer load, braked (12%/unbraked)	kg	2000 / 750
Max roofload/max towbar download	kg	100 / 90
Luggage comp capacity	l	560 – 1700
Air resistance	c _d x A	0.27 x 2.35
Power Unit		
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	cc	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	10.2
Fuel		Min. RON 91
Max output	kW/hp	185 / 252
at	rpm	5200 – 6500
Max torque	Nm	350
at	rpm	1450 – 4800
48V mild hybrid technology		
Max output	kW/hp	8 / 11
Electrical System		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
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, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Adaptive Drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS), 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 530i xDrive Touring

Transmission

Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.813

Performance

Power-to-weight ratio (DIN)	kg/kW	9.7
Output per litre	kW/l	92.6
Acceleration 0–100 km/h	s	6.6
Top speed	km/h	250

BMW EfficientDynamics

BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance
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Fuel Consumption ECE

Urban	l/100 km	7.9 – 7.6
Extra-urban	l/100 km	5.6 – 5.4
Combined	l/100 km	6.4 – 6.2
CO ₂	g/km	147 – 142
Emission rating		Euro 6d

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

¹⁾ Height including roof fin

²⁾ Oil change

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The new BMW 5 Series Touring. 540i xDrive.

BMW 540i xDrive Touring		
Body		
No of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.4
Fuel tank capacity	approx. l	68
Engine oil ²⁾	l	6.5
Weight, unladen, to DIN/EU	kg	1850 / 1925
Max load to DIN	kg	685
Max permissible weight	kg	2535
Max axle load, front/rear	kg	1240 / 1450
Max trailer load, braked (12%/unbraked)	kg	2000 / 750
Max roofload/max towbar download	kg	100 / 90
Luggage comp capacity	l	560 – 1700
Air resistance	$c_d \times A$	0.27 x 2.35
Power Unit		
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	cc	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		Min. RON 91
Max output	kW/hp	245 / 333
at	rpm	5500 – 6250
Max torque	Nm	450
at	rpm	1600 – 4800
48V mild hybrid technology		
Max output	kW/hp	8 / 11
Electrical System		
12V battery/installation	Ah/–	90 / luggage compartment
48V battery/installation	Ah/–	11 / engine compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
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, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Adaptive Drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS), 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 540i xDrive Touring

Transmission

Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929

Performance

Power-to-weight ratio (DIN)	kg/kW	7.6
Output per litre	kW/l	81.7
Acceleration 0–100 km/h	s	5.2
Top speed	km/h	250

BMW EfficientDynamics

BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance
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Fuel Consumption ECE

Urban	l/100 km	9.2 – 9.1
Extra-urban	l/100 km	6.0 – 5.7
Combined	l/100 km	7.1 – 7.0
CO ₂	g/km	164 – 159
Emission rating		Euro 6d

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

- ¹⁾ Height including roof fin
- ²⁾ Oil change

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The new BMW 5 Series Touring. 520d.

BMW 520d Touring		
Body		
No of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.0
Fuel tank capacity	approx. l	66
Engine oil ²⁾	l	5.5
Weight, unladen, to DIN/EU	kg	1780 / 1855
Max load to DIN	kg	690
Max permissible weight	kg	2470
Max axle load, front/rear	kg	1125 / 1455
Max trailer load, braked (12%/unbraked)	kg	2000 / 750
Max roofload/max towbar download	kg	100 / 90
Luggage comp capacity	l	560 – 1700
Air resistance	c _d x A	0.26 x 2.35
Power Unit		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, common-rail direct injection with solenoid injectors (max. injection pressure: 2500 bar)
Effective capacity	cc	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	140 / 190
at	rpm	4000
Max torque	Nm	400
at	rpm	1750 – 2500
48V mild hybrid technology		
Max output	kW/hp	8 / 11
Electrical System		
12V battery/installation	Ah/–	90 / luggage compartment
48V battery/installation	Ah/–	11 / engine compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
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: Adaptive suspension, Adaptive Drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS), 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 transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929

Performance

Power-to-weight ratio (DIN)	kg/kW	12.7
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	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter
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Fuel Consumption ECE

Urban	l/100 km	5.1 – 4.9
Extra-urban	l/100 km	4.2 – 3.9
Combined	l/100 km	4.5 – 4.3
CO ₂	g/km	119 – 113
Emission rating		Euro 6d

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

- ¹⁾ Height including roof fin
- ²⁾ Oil change

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The new BMW 5 Series Touring. 520d xDrive.

BMW 520d xDrive Touring		
Body		
No of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.4
Fuel tank capacity	approx. l	66
Engine oil ²⁾	l	5.5
Weight, unladen, to DIN/EU	kg	1840 / 1915
Max load to DIN	kg	690
Max permissible weight	kg	2530
Max axle load, front/rear	kg	1180 / 1455
Max trailer load, braked (12%/unbraked)	kg	2000 / 750
Max roofload/max towbar download	kg	100 / 90
Luggage comp capacity	l	560 – 1700
Air resistance	c _d x A	0.26 x 2.35
Power Unit		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, common-rail direct injection with solenoid injectors (max. injection pressure: 2500 bar)
Effective capacity	cc	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	140 / 190
at	rpm	4000
Max torque	Nm	400
at	rpm	1750 – 2500
48V mild hybrid technology		
Max output	kW/hp	8 / 11
Electrical System		
12V battery/installation	Ah/–	90 / luggage compartment
48V battery/installation	Ah/–	11 / engine compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
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, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Adaptive Drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS), 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 transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929

Performance

Power-to-weight ratio (DIN)	kg/kW	13.1
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	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter
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Fuel Consumption ECE

Urban	l/100 km	5.4 – 5.2
Extra-urban	l/100 km	4.3 – 4.2
Combined	l/100 km	4.7 – 4.6
CO ₂	g/km	124 – 120
Emission rating		Euro 6d

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

¹⁾ Height including roof fin

²⁾ Oil change

The fuel consumption, CO₂ emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the 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 from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

The new BMW 5 Series Touring. 530d.

BMW 530d Touring		
Body		
No of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.0
Fuel tank capacity	approx. l	66
Engine oil ²⁾	l	7.0
Weight, unladen, to DIN/EU	kg	1865 / 1940
Max load to DIN	kg	685
Max permissible weight	kg	2550
Max axle load, front/rear	kg	1210 / 1455
Max trailer load, braked (12%/unbraked)	kg	2000 / 750
Max roofload/max towbar download	kg	100 / 90
Luggage comp capacity	l	560 – 1700
Air resistance	c _d x A	0.26 x 2.35
Power Unit		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2700 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	210 / 286
at	rpm	4000
Max torque	Nm	650
at	rpm	1500 – 2500
48V mild hybrid technology		
Max output	kW/hp	8 / 11
Electrical System		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
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: Adaptive suspension, Adaptive Drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS), 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 530d Touring

Transmission

Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.500
	II	:1	3.520
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	2.471

Performance

Power-to-weight ratio (DIN)	kg/kW	8.9
Output per litre	kW/l	70.2
Acceleration 0–100 km/h	s	5.7
Top speed	km/h	250

BMW EfficientDynamics

BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter
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Fuel Consumption ECE

Urban	l/100 km	6.1 – 5.9
Extra-urban	l/100 km	4.2 – 4.0
Combined	l/100 km	4.9 – 4.7
CO ₂	g/km	128 – 123
Emission rating		Euro 6d

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

- ¹⁾ Height including roof fin
- ²⁾ Oil change

The fuel consumption, CO₂ emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the 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 from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

The new BMW 5 Series Touring. 530d xDrive.

BMW 530d xDrive Touring		
Body		
No of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.4
Fuel tank capacity	approx. l	66
Engine oil ²⁾	l	7.0
Weight, unladen, to DIN/EU	kg	1925 / 2000
Max load to DIN	kg	685
Max permissible weight	kg	2610
Max axle load, front/rear	kg	1260 / 1455
Max trailer load, braked (12%/unbraked)	kg	2000 / 750
Max roofload/max towbar download	kg	100 / 90
Luggage comp capacity	l	560 – 1700
Air resistance	c _d x A	0.26 x 2.35
Power Unit		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2700 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	210 / 286
at	rpm	4000
Max torque	Nm	650
at	rpm	1500 – 2500
48V mild hybrid technology		
Max output	kW/hp	8 / 11
Electrical System		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
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, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Adaptive Drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS), 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 530d xDrive Touring

Transmission

Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.500
	II	:1	3.250
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	2.471

Performance

Power-to-weight ratio (DIN)	kg/kW	9.2
Output per litre	kW/l	70.2
Acceleration 0–100 km/h	s	5.6
Top speed	km/h	250

BMW EfficientDynamics

BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter
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Fuel Consumption ECE

Urban	l/100 km	6.5 – 6.4
Extra-urban	l/100 km	4.4 – 4.3
Combined	l/100 km	5.2 – 5.1
CO ₂	g/km	137 – 133
Emission rating		Euro 6d

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

¹⁾ Height including roof fin

²⁾ Oil change

The fuel consumption, CO₂ emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

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The new BMW 5 Series Touring. 540d xDrive.

BMW 540d xDrive Touring		
Body		
No of doors/seats		5 / 5
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1498
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.4
Fuel tank capacity	approx. l	66
Engine oil ²⁾	l	7.0
Weight, unladen, to DIN/EU	kg	1925 / 2000
Max load to DIN	kg	690
Max permissible weight	kg	2615
Max axle load, front/rear	kg	1270 / 1455
Max trailer load, braked (12%/unbraked)	kg	2000 / 750
Max roofload/max towbar download	kg	100 / 90
Luggage comp capacity	l	560 – 1700
Air resistance	c _d x A	0.26 x 2.35
Power Unit		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, high- and low-pressure turbochargers with variable intake geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2700 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	250 / 340
at	rpm	4400
Max torque	Nm	700
at	rpm	1750 – 2250
48V mild hybrid technology		
Max output	kW/hp	8 / 11
Electrical System		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
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, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Adaptive Drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS), 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 540d xDrive Touring

Transmission

Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.500
	II	:1	3.250
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	2.563

Performance

Power-to-weight ratio (DIN)	kg/kW	7.7
Output per litre	kW/l	83.5
Acceleration 0–100 km/h	s	4.8
Top speed	km/h	250

BMW EfficientDynamics

BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter
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Fuel Consumption ECE

Urban	l/100 km	6.8 – 6.6
Extra-urban	l/100 km	4.6 – 4.5
Combined	l/100 km	5.4 – 5.3
CO ₂	g/km	142 – 138
Emission rating		Euro 6d

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

¹⁾ Height including roof fin

²⁾ Oil change

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