

Technical specifications.

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 DINEU	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	1.316
	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		12.7
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	
Fuel Consumption ECE			
Urban (NEDC)	l/100 km		7.0 – 6.7
Extra-urban (NEDC)	l/100 km		5.0 – 4.8
Combined (NEDC)	l/100 km		5.7 – 5.5
Combined (WLTP)	l/100 km		7.5 – 6.6
CO ₂ (NEDC)	g/km		131 – 126
CO ₂ (WLTP)	g/km		170 – 150
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

Fuel consumption, CO₂ emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.com/wltp.

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	1.316
	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		9.4
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	
Fuel Consumption ECE			
Urban (NEDC)	l/100 km		7.0 – 6.8
Extra-urban (NEDC)	l/100 km		5.1 – 4.8
Combined (NEDC)	l/100 km		5.8 – 5.6
Combined (WLTP)	l/100 km		7.4 – 6.5
CO ₂ (NEDC)	g/km		133 – 127
CO ₂ (WLTP)	g/km		169 – 148
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

Fuel consumption, CO₂ emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.com/wltp.

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 DINEU	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	1.316
	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		9.7
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	
Fuel Consumption ECE			
Urban (NEDC)	l/100 km		7.9 – 7.6
Extra-urban (NEDC)	l/100 km		5.6 – 5.4
Combined (NEDC)	l/100 km		6.4 – 6.2
Combined (WLTP)	l/100 km		7.9 – 7.1
CO ₂ (NEDC)	g/km		147 – 142
CO ₂ (WLTP)	g/km		180 – 161
Emission rating			Euro 6d

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¹⁾ Height including roof fin

²⁾ Oil change

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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	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 DINEU	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 x 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	1.316
	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		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	
Fuel Consumption ECE			
Urban (NEDC)	l/100 km		9.2 – 9.1
Extra-urban (NEDC)	l/100 km		6.0 – 5.8
Combined (NEDC)	l/100 km		7.2 – 7.0
Combined (WLTP)	l/100 km		8.5 – 7.8
CO ₂ (NEDC)	g/km		164 – 160
CO ₂ (WLTP)	g/km		195 – 177
Emission rating			Euro 6d

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¹⁾ Height including roof fin

²⁾ Oil change

Fuel consumption, CO₂ emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.com/wltp.

BMW 5 Series Touring. 520e.

BMW 520e 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	143
Turning circle	m	12.0
Tank capacity	approx. ltr	46
Engine oil ²⁾	ltr	5.25
Weight, unladen, to DIN/EU	kg	1900 / 1975
Max. load to DIN	kg	650
Max. permissible weight	kg	2550
Max. axle load, front/rear	kg	1090 / 1540
Max. trailer load, braked (12%/unbraked)	kg	1700 / 750
Max. roof load/towbar download	kg	100 / 90
Luggage comp. capacity	ltr	430 – 1560
Air resistance	C _d x A	0.29 x 2.35
Drive system		
Drive concept	Full-hybrid drive, drive torque from combustion engine or electric motor or both transmitted to the rear wheels	
System output	kW/hp	150 / 204
System torque	Nm	350
System power-to-weight ratio (DIN)	kg/kW	12.7
Combustion 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	11.0
Fuel	min RON 91	
Output	kW/hp	120 / 163
at	rpm	5000 – 6500
Torque	Nm	300
at	rpm	1350 – 3700
Output per litre	kW/l	60.0
Electric motor		
Motor technology	BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery	
Max output	kW/hp	80 / 109
at	rpm	3140
Torque	Nm	265
at	rpm	100 – 2500
High-voltage battery		
Storage technology / installation	lithium-ion / underneath rear seat	
Voltage	V	354
Capacity (gross)	kWh	12.0
Charging time for 100 % charge	3.6 h at 3.7 kW (16 A / 230 V)	

BMW 520e Touring			
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		Four-piston fixed-calliper disc brakes / vented	
Brakes, rear		Single-piston floating-calliper disc brakes / vented	
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive suspension	
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 stopper, 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		245/45 R18 100Y XL	
Rims, front/rear		8J x 18 light-alloy	
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios		I	:1 4.714
		II	:1 3.143
		III	:1 2.106
		IV	:1 1.667
		V	:1 1.285
		VI	:1 1.000
		VII	:1 0.839
		VIII	:1 0.667
		R	:1 3.317
Final drive		:1	3.231
Performance			
Acceleration	0–100 km/h	s	8.2
Top speed		km/h	218
Top speed electric		km/h	140
Electric range (WLTP)		km	52 – 57
BMW EfficientDynamics			
BMW EfficientDynamics standard features		BMW eDrive technology, Electric Power Steering, hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, electric a/c compressor, differential with optimised warm-up behaviour, tyres with reduced rolling resistance	
Consumption EU cycle			
Fuel consumption, weighted combined (NEDC)		l/100 km	2.0 – 1.8
Fuel consumption, weighted combined (WLTP)		l/100 km	1.9 – 1.5
CO ₂ emissions from fuel (NEDC)		g/km	46 – 42
CO ₂ emissions from fuel (WLTP)		g/km	43 – 34
Electric power consumption weighted combined (NEDC)		kWh/100 km	15.6 – 15.0
Electric power consumption weighted combined (WLTP)		kWh/100 km	18.4 – 17.0
Emission rating		Euro 6d	

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- ¹⁾ Height including roof fin
²⁾ Oil change

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BMW 5 Series Touring. 530e.

BMW 530e 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	143
Turning circle	m	12.0
Tank capacity	approx. ltr	46
Engine oil ²⁾	ltr	5.25
Weight, unladen, to DIN/EU	kg	1900 / 1975
Max. load to DIN	kg	650
Max. permissible weight	kg	2550
Max. axle load, front/rear	kg	1090 / 1540
Max. trailer load, braked (12%/unbraked)	kg	1700 / 750
Max. roof load/towbar download	kg	100 / 90
Luggage comp. capacity	ltr	430 – 1560
Air resistance	C _d x A	0.29 x 2.35
Drive system		
Drive concept	Full-hybrid drive, drive torque from combustion engine or electric motor or both transmitted to the rear wheels	
System output	kW/hp	215 / 292
System torque	Nm	420
System power-to-weight ratio (DIN)	kg/kW	8.8
Combustion 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	11.0
Fuel	min RON 91	
Output	kW/hp	135 / 184
at	rpm	5000 – 6500
Torque	Nm	300
at	rpm	1350 – 4000
Output per litre	kW/l	67.6
Electric motor		
Motor technology	BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery	
Max output	kW/hp	80 / 109
at	rpm	3140
Torque	Nm	265
at	rpm	100 – 2500
High-voltage battery		
Storage technology / installation	lithium-ion / underneath rear seat	
Voltage	V	354
Capacity (gross)	kWh	12.0
Charging time for 100 % charge	3.6 h at 3.7 kW (16 A / 230 V)	

BMW 530e Touring			
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		Four-piston fixed-calliper disc brakes / vented	
Brakes, rear		Single-piston floating-calliper disc brakes / vented	
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive suspension	
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 stopper, 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		245/45 R18 100Y XL	
Rims, front/rear		8J x 18 light-alloy	
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios		I	:1 4.714
		II	:1 3.143
		III	:1 2.106
		IV	:1 1.667
		V	:1 1.285
		VI	:1 1.000
		VII	:1 0.839
		VIII	:1 0.667
		R	:1 3.317
Final drive		:1	3.231
Performance			
Acceleration	0–100 km/h	s	6.1
Top speed		km/h	225
Top speed electric		km/h	140
Electric range (WLTP)		km	51 – 57
BMW EfficientDynamics			
BMW EfficientDynamics standard features		BMW eDrive technology, Electric Power Steering, hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, electric a/c compressor, differential with optimised warm-up behaviour, tyres with reduced rolling resistance	
Consumption EU cycle			
Fuel consumption, weighted combined (NEDC)		l/100 km	2.0 – 1.8
Fuel consumption, weighted combined (WLTP)		l/100 km	1.9 – 1.5
CO ₂ emissions from fuel (NEDC)		g/km	46 – 42
CO ₂ emissions from fuel (WLTP)		g/km	43 – 35
Electric power consumption weighted combined (NEDC)		kWh/100 km	16.1 – 15.4
Electric power consumption weighted combined (WLTP)		kWh/100 km	18.5 – 17.0
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

Fuel consumption, CO₂ emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.com/wltp.

BMW 5 Series Touring. 530e xDrive.

BMW 530e 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	143
Turning circle	m	12.4
Tank capacity	approx. ltr	46
Engine oil ²⁾	ltr	5.25
Weight, unladen, to DIN/EU	kg	1960 / 2035
Max. load to DIN	kg	650
Max. permissible weight	kg	2610
Max. axle load, front/rear	kg	1140 / 1550
Max. trailer load, braked (12%)/unbraked	kg	2000 / 750
Max. roof load/towbar download	kg	100 / 90
Luggage comp. capacity	ltr	430 – 1560
Air resistance	C _d x A	0.29 x 2.35
Drive system		
Drive concept	Full-hybrid drive, drive torque from combustion engine or electric motor or both transmitted to all four wheels via BMW xDrive	
System output	kW/hp	215 / 292
System torque	Nm	420
System power-to-weight ratio (DIN)	kg/kW	9.1
Combustion 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	11.0
Fuel	min RON 91	
Output	kW/hp	135 / 184
at	rpm	5000 – 6500
Torque	Nm	300
at	rpm	1350 – 4000
Output per litre	kW/l	67.6
Electric motor		
Motor technology	BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery	
Max output	kW/hp	80 / 109
at	rpm	3140
Torque	Nm	265
at	rpm	100 – 2500
High-voltage battery		
Storage technology / installation	lithium-ion / underneath rear seat	
Voltage	V	354
Capacity (gross)	kWh	12.0
Charging time for 100 % charge	3.6 h at 3.7 kW (16 A / 230 V)	

BMW 530e xDrive Touring			
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		Four-piston fixed-calliper disc brakes / vented	
Brakes, rear		Single-piston floating-calliper disc brakes / vented	
Driving stability systems		Standard: DSC incl. ABS, ASC 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	
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 stopper, 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		245/45 R18 100Y XL	
Rims, front/rear		8J x 18 light-alloy	
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios		I	:1 4.714
		II	:1 3.143
		III	:1 2.106
		IV	:1 1.667
		V	:1 1.285
		VI	:1 1.000
		VII	:1 0.839
		VIII	:1 0.667
		R	:1 3.317
Final drive		:1	3.231
Performance			
Acceleration	0–100 km/h	s	6.1
Top speed		km/h	225
Top speed electric		km/h	140
Electric range (WLTP)		km	47 – 53
BMW EfficientDynamics			
BMW EfficientDynamics standard features		BMW eDrive technology, Electric Power Steering, hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, electric a/c compressor, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance	
Consumption EU cycle			
Fuel consumption, weighted combined (NEDC)		l/100 km	2.4 – 2.2
Fuel consumption, weighted combined (WLTP)		l/100 km	2.2 – 1.8
CO ₂ emissions from fuel (NEDC)		g/km	54 – 50
CO ₂ emissions from fuel (WLTP)		g/km	51 – 41
Electric power consumption weighted combined (NEDC)		kWh/100 km	16.7 – 16.1
Electric power consumption weighted combined (WLTP)		kWh/100 km	19.9 – 18.5
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

Fuel consumption, CO₂ emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.com/wltp.

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 DINEU	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	1.316
	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		12.7
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	
Fuel Consumption ECE			
Urban (NEDC)	l/100 km		5.1 – 4.9
Extra-urban (NEDC)	l/100 km		4.2 – 3.9
Combined (NEDC)	l/100 km		4.5 – 4.3
Combined (WLTP)	l/100 km		5.8 – 5.0
CO ₂ (NEDC)	g/km		119 – 113
CO ₂ (WLTP)	g/km		151 – 132
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

Fuel consumption, CO₂ emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.com/wltp.

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 DINEU	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	1.316
	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		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	
Fuel Consumption ECE			
Urban (NEDC)	l/100 km		5.4 – 5.3
Extra-urban (NEDC)	l/100 km		4.3 – 4.2
Combined (NEDC)	l/100 km		4.7 – 4.6
Combined (WLTP)	l/100 km		6.0 – 5.3
CO ₂ (NEDC)	g/km		124 – 120
CO ₂ (WLTP)	g/km		158 – 139
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

Fuel consumption, CO₂ emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.com/wltp.

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 DINEU	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	
Fuel Consumption ECE			
Urban (NEDC)	l/100 km		6.1 – 5.9
Extra-urban (NEDC)	l/100 km		4.2 – 4.0
Combined (NEDC)	l/100 km		4.9 – 4.7
Combined (WLTP)	l/100 km		6.0 – 5.4
CO ₂ (NEDC)	g/km		129 – 124
CO ₂ (WLTP)	g/km		158 – 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

Fuel consumption, CO₂ emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.com/wltp.

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 DINEU	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	3.520
	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		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	
Fuel Consumption ECE			
Urban (NEDC)	l/100 km		6.5 – 6.4
Extra-urban (NEDC)	l/100 km		4.5 – 4.3
Combined (NEDC)	l/100 km		5.2 – 5.1
Combined (WLTP)	l/100 km		6.5 – 5.8
CO ₂ (NEDC)	g/km		137 – 133
CO ₂ (WLTP)	g/km		170 – 151
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

Fuel consumption, CO₂ emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.com/wltp.

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 DINEU	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	3.520
	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	2.563
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	
Fuel Consumption ECE			
Urban (NEDC)	l/100 km		6.8 – 6.6
Extra-urban (NEDC)	l/100 km		4.7 – 4.5
Combined (NEDC)	l/100 km		5.4 – 5.3
Combined (WLTP)	l/100 km		6.6 – 5.8
CO ₂ (NEDC)	g/km		143 – 139
CO ₂ (WLTP)	g/km		172 – 153
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

Fuel consumption, CO₂ emission figures, power consumption and range were measured using the methods required according to Regulation VO (EC) 2007/715 as amended. They refer to vehicles on the automotive market in Germany. With regard to ranges, the NEDC figures take into account differences in the selected wheel and tyre size, while the WLTP figures take into account the effects of any optional equipment.

All figures are already calculated on the basis of the new WLTP test cycle. NEDC values listed have been calculated back to the NEDC measurement procedure where applicable. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.com/wltp.