Technical specifications. The new BMW 5 Series Sedan. 520i.



		DMW 500: 0 - 4
		BMW 520i Sedan
Body		
No of doors/seats		4/5
Length/width/height 1)	mm	4963 / 1868 / 1479
(unladen)		
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	144
Turning circle	m	12.0
Fuel tank capacity	approx. I	68
Engine oil ²⁾		5.25
Weight, unladen, to DIN/EU	kg	1610 / 1685
Max load to DIN	kg	675
Max permissible weight	kg	2285
Max axle load, front/rear	kg	1080 / 1280
Max trailer load,	kg	
braked (12%)/unbraked		2000 / 750
Max roofload/max towbar	kg	100 / 90
download		
Luggage comp capacity		530
Air resistance	c _d x A	0.23 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
3		Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable
		camshaft timing
Effective capacity	СС	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	Ňm	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 Safe	ety	
Suspension, front	D	ouble-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
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems	S	tandard: 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
	f	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
	:1 17.0	
Steering ratio, overall	:1	17.0
Steering ratio, overall Tyres, front/rear	:1	17.0 225/55 R17 101Y XL

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			BMW 520i Sedan
Transmission			
Type of transm	ission		Eight-speed Steptronic transmission
Gear ratios	1	:1	5.250
		:1	3.360
		: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-weigh	ht ratio (DIN)	kg/kW	11.9
Output per litre		kW/I	67.6
Acceleration	0–100 km/h	S	7.9
Top speed		km/h	235
BMW Efficien	tDynamics		
BMW Efficient	Dynamics	1	Vild hybrid technology with 48V starter-generator, Brake Energy Regeneration
standard featur	es	١	with recuperation display, Auto Start Stop function, ECO PRO and COMFOR

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 E	CE		
Urban	l/100 km	6.8 - 6.5	
Extra-urban	l/100 km	4.7 – 4.6	
Combined	l/100 km	5.5 – 5.3	
CO ₂	g/km	125 – 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).

The new BMW 5 Series Sedan. 530i.

		BMW 530i Sedan		
<u></u>				
Body		A / C		
No of doors/seats		4/5		
Length/width/height 1)	mm	4963 / 1868 / 1479		
(unladen)		0075		
Wheelbase	mm	2975		
Track, front/rear	mm	1605 / 1630		
Ground clearance	mm	144		
Turning circle	m	12.0		
Fuel tank capacity	approx. I	68		
Engine oil 2)	I	5.25		
Weight, unladen, to DIN/EU	kg	1625 / 1700		
Max load to DIN	kg	680		
Max permissible weight	kg	2305		
Max axle load, front/rear	kg	1090 / 1300		
Max trailer load,	kg			
braked (12%)/unbraked		2000 / 750		
Max roofload/max towbar	kg	100/90		
download	ng	1007.00		
Luggage comp capacity	1	530		
Air resistance	Cd X A	0.23 x 2.35		
All Tesistance	Cd X A	0.23 X 2.33		
Dewer I Init				
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		
	ittinp	0/11		
Electrical System				
	Ah/-	00 / luggage compartment		
12V battery/installation		90 / luggage compartment		
48V battery/installation	Ah/-	11 / engine compartment		
<u></u>	-			
Driving Dynamics and Safe				
Suspension, front	D	ouble-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		
Brakes, front		Vented disc brakes, with four-piston fixed callipers		
Brakes, rear		Vented disc brakes, with single-piston floating callipers		
Driving stability systems	S	tandard: 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		
	.	225/55 R17 101Y XL		
Tyres, front/rear				
Rims, front/rear		7.5J x 17 light-alloy		

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			BMW 530i Sedan	
Transmission				
Type of transmissi	on		Eight-speed Steptronic transmission	
Gear ratios	I	:1	5.250	
		:1	3.360	
		: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 ra	atio (DIN)	kg/kW	8.8	
Output per litre		kW/I	92.6	
Acceleration ()–100 km/h	S	6.4	
Top speed		km/h	250	
BMW EfficientDy	ynamics			
BMW EfficientDyn	amics	Mil	d hybrid technology with 48V starter-generator, Brake Energy Regeneration	
standard features		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 E	CE		
Urban	l/100 km	6.8 - 6.6	
Extra-urban	l/100 km	4.8 - 4.5	
Combined	l/100 km	5.5 – 5.3	
CO ₂	g/km	126 – 121	
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

0

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The new BMW 5 Series Sedan. 530i xDrive.

		BMW 530i xDrive Sedan
Body		
No of doors/seats		4/5
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1479
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	139
Turning circle	m	12.4
Fuel tank capacity	approx. I	68
Engine oil ²⁾		5.25
Weight, unladen, to DIN/EU	kg	1680 / 1755
Max load to DIN	kg	680
Max permissible weight	kg	2360
Max axle load, front/rear	kg	1140 / 1310
Max trailer load,	kg	
braked (12%)/unbraked	0	2000 / 750
Max roofload/max towbar	kg	100 / 90
download	5	
Luggage comp capacity	1	530
Air resistance	c _d x A	0.24 x 2.35
	Cu X A	0.24 × 2.00
Power Unit		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology		W TwinPower Turbo technology: twin-scroll turbocharger, High Precision ection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	СС	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		0/44
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 Safe	tv	
Suspension, front		ble-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
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems	Star	dard: 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),
0		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

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			BMW 530i xDrive Sedan
Transmission	1		
Type of transm	ission		Eight-speed Steptronic transmission
Gear ratios		:1	5.250
		: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-weigl	ht ratio (DIN)	kg/kW	9.1
Output per litre		kW/l	92.6
Acceleration	0–100 km/h	S	6.3
Top speed		km/h	250
BMW Efficien	tDynamics		
BMW Efficient standard featur			/lild 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 E	CE		
Urban	l/100 km	7.6 – 7.4	
Extra-urban	l/100 km	5.2 – 5.0	
Combined	l/100 km	6.1 – 5.9	
CO ₂	g/km	140 – 135	
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 Sedan. 540i.

		BMW 540i Sedan	
Body			
No of doors/seats		4/5	
Length/width/height 1)	mm	475	
(unladen)		43037 18087 1473	
Wheelbase	mm	2975	
Track, front/rear	mm	1605 / 1630	
Ground clearance	mm	144	
Turning circle	m	12.0	
Fuel tank capacity	approx. I	68	
Engine oil 2)		6.5	
Weight, unladen, to DIN/EU	kg	1685 / 1760	
Max load to DIN	kg	710	
Max permissible weight	kg	2395	
Max axle load, front/rear	kg	1155 / 1320	
Max trailer load,	kg	2000 / 750	
braked (12%)/unbraked		2000 / 750	
Max roofload/max towbar	kg	100 / 90	
download	I	530	
Luggage comp capacity		530	
Air resistance	c _d x A	0.23 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	
Engine technology		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	. 1	Min. RON 91	
Max output	kW/hp	245/333	
at		5500 - 6250	
	rpm Nm	450	
Max torque			
at 40) / spilet by deviat to also a loss of	rpm	1600 – 4800	
48V mild hybrid technology Max output	kW/hp	8/11	
	κννπρ	0711	
Electrical System			
12V battery/installation	Ah/-	90 / luggage compartment	
48V battery/installation	Ah/-	11 / engine compartment	
-ov batterymistaliation	7311		
Driving Dynamics and Safe	tv		
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	
Brakes, front		Vented disc brakes, with four-piston fixed callipers	
Brakes, rear		Vented disc brakes, with single-piston floating callipers	
Driving stability systems	S	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering	
3		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	

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			BMW 540i Sedan
Transmission	1		
Type of transm	ission		Eight-speed Steptronic transmission
Gear ratios	I	:1	5.250
		:1	3.360
		: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-weigl	ht ratio (DIN)	kg/kW	6.9
Output per litre		kW/l	81.7
Acceleration	0–100 km/h	S	5.2
Top speed		km/h	250
BMW Efficien	tDynamics		
BMW Efficient[standard featur			fild hybrid technology with 48V starter-generator, Brake Energy Regeneration vith 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** l/100 km 8.5 - 8.3 Extra-urban l/100 km 5.4 – 5.1 Combined l/100 km 6.5 – 6.3 149 – 144 g/km

Euro 6d

CO₂ Emission rating

Urban

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 Sedan. 540i xDrive.

		BMW 540i xDrive Sedan		
Pody				
Body No of doors/seats		4/5		
Length/width/height 1)	mm	4963 / 1868 / 1479		
(unladen)		43007 10007 1473		
Wheelbase	mm	2975		
Track, front/rear	mm	1605 / 1630		
Ground clearance	mm	139		
Turning circle	m	12.4		
Fuel tank capacity	approx. I	68		
Engine oil ²⁾		6.5		
Weight, unladen, to DIN/EU	kg	1745 / 1820		
Max load to DIN	kg	710		
Max permissible weight	kg	2455		
Max axle load, front/rear	kg	1200 / 1330		
Max trailer load,	kg	12007 1000		
braked (12%)/unbraked	g	2000 / 750		
Max roofload/max towbar	kg	100 / 90		
download	5			
Luggage comp capacity	1	530		
Air resistance	c _d x A	0.24 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		
	li	njection, 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 Safe				
Suspension, front	Do	puble-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		
Brakes, front		Vented disc brakes, with four-piston fixed callipers		
Brakes, rear		Vented disc brakes, with single-piston floating callipers		
Driving stability systems	50	andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function,		
	Er			
	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		
Saloty equipment	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,		
	0	crash-active front head restraints, crash sensors, tyre pressure indicator		
Steering		Electric Power Steering (EPS),		
5		optional: Integral Active Steering		
Steering ratio, overall	:1	16.5		
Steering ratio, overall Tyres, front/rear		225/55 R17 101Y XL		

Media Information

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			BMW 540i xDrive Sedan	
Transmission				
Type of transmi	ssion		Eight-speed Steptronic transmission	
Gear ratios	I	:1	5.250	
		:1	3.360	
		: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-weigh	it ratio (DIN)	kg/kW	7.1	
Output per litre		kW/I	81.7	
Acceleration	0–100 km/h	S	4.9	
Top speed		km/h	250	
BMW Efficient	Dynamics			
BMW EfficientD	ynamics	Milc	hybrid technology with 48V starter-generator, Brake Energy Regeneration	
standard features		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	l/100 km	8.8 - 8.7		
Extra-urban	l/100 km	5.6 – 5.5		
Combined	l/100 km	6.8 - 6.6		
CO ₂	g/km	156 – 152		
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 Sedan. M550i xDrive.

		BMW M550i xDrive Sedan
Body		
Body No of doors/seats		4/5
Length/width/height ¹⁾ (unladen)	mm	4972 / 1868 / 1467
Wheelbase	mm	2975
Track, front/rear	mm	1600 / 1597
Ground clearance	mm	131
Turning circle	m	12.4
Fuel tank capacity	approx. I	68
Engine oil 2)	1	10.5
Weight, unladen, to DIN/EU	kg	1915 / 1990
Max load to DIN	kg	645
Max permissible weight	kg	2560
Max axle load, front/rear	kg	1260 / 1365
Max trailer load, braked (12%)/unbraked	kg	2000 / 750
Max roofload/max towbar download	kg	100 / 90
Luggage comp capacity		530
Air resistance	c _d x A	0.28 x 2.35
Power Unit		
Config/No of cyls/valves		V/8/4
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	4395
Stroke/bore	mm	88.3 / 89.0
Compression ratio	:1	10.5
Fuel		Min. RON 91
Max output	kW/hp	390 / 530
at	rpm	5500 – 6000
Max torque	Nm	750
at	rpm	1800 – 4600
Electrical System		
Battery/installation	Ah/–	90 / luggage compartment
Driving Dynamics and Safe	tv	
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
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, Adaptive M suspension; optional: 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		245/40 R19 98Y XL / 275/35 R19 100Y XL
Rims, front/rear		8J x 19 light-alloy / 9J x 19 light-alloy

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			BMW M550i xDrive Sedan	
Transmission	1			
Type of transm	ission		Eight-speed Steptronic transmission	
Gear ratios	I	:1	5.500	
		:1	3.520	
		: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	2.813	
Performance				
Power-to-weig	ht ratio (DIN)	kg/kW	4.9	
Output per litre	1	kW/l	88.7	
Acceleration	0–100 km/h	S	3.8	
Top speed		km/h	250	
BMW Efficien	tDynamics			
BMW Efficient[Dynamics	E	Brake Energy Regeneration with recuperation display, Auto Start Stop function	
standard featur	es	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	l/100 km	13.2 – 13.1		
Extra-urban	l/100 km	8.1 – 7.7		
Combined	l/100 km	10.0 – 9.7		
CO ₂	g/km	229 - 221		
Emission rating		Euro 6d-TEMP		

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).

The new BMW 5 Series Sedan. 530e.

		BMW 530e Sedan			
Body					
No of doors/seats		4/5			
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1483			
Wheelbase	mm	2975			
Track, front/rear	mm	1604 / 1631			
Ground clearance	mm	150			
Turning circle	m	12.0			
Fuel tank capacity	approx. I	46			
Engine oil ²⁾		5.25			
Weight, unladen, to DIN/EU	kg	1835 / 1910			
Max load to DIN	kg	670			
Max permissible weight	kg	2505			
Max axle load, front/rear	kg	1120 / 1450			
Max trailer load,					
braked (12%)/unbraked	kg	1700 / 750			
Max roofload/max towbar download	kg	100 / 80			
Luggage comp capacity	<u>j</u>	410			
Air resistance	c _d x A	0.23 x 2.35			
Power Unit					
Drive concept		Full-hybrid drive, drive torque from engine or electric motor or both transmitted to the rear wheels			
Max system output	kW/hp	215/292			
Max system torque	Nm	420			
System power-to-weight ratio (DIN)	kg/kW	8.5			
Petrol Engine					
Config/No of cyls/valves		In-line / 4 / 4			
Engine technology	BMW TwinPower Turbo technology: TwinScroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double VANOS variable camshaft timing				
Effective capacity	СС	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	300			
at	rpm	1350 - 4000			
Output per litre	kW/I	67.6			
Electric Motor					
Motor technology	BM	W eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery			
Max output	kW/hp	80 / 109			
at	rpm	3140			
Max torque	Nm	265			
at	rpm	100 – 2500			
High-voltage Battery					
Storage technology/installation		Lithium-ion / underneath rear seats			
Voltage	V	354			
Energy capacity (gross)	kWh	12.0			
Energy subdoity (gross)					

		BMW 530e Sedan
Driving Dynamics and Safety		
Suspension, front	Double-wishbone ax	de in aluminium construction with separate lower track arm,
		roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium construction
Brakes, front	Ve	ented disc brakes, with four-piston fixed callipers
Brakes, rear		ed disc brakes, with single-piston floating callipers
Driving stability systems		ncl. ABS, ASC and DTC (Dynamic Traction Control), CBC
		Control), DBC (Dynamic Brake Control), Dry Braking function
	Fading Compen	sation, Start-Off Assistant; optional: Adaptive suspension
Safety equipment		or driver and front passenger, side airbags for driver and fror
	passenger, head a	irbags front and rear, three-point inertia-reel seatbelts on al
	seats with belt sto	pper, belt tensioner and belt force limiter at the front, crash-
	active front l	head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS)
-	with	Servotronic function; optional: Integral Active Steering
Steering ratio, overall	:1	17.0
Tyres, front/rear		225/55 R17 101Y XL
Rims, front/rear		7.5J x 17 light-alloy
-,		
Transmission		
Type of transmission		Eight-speed Steptronic transmission
Gear ratios I	:1	4.714
	:1	3.143
	:1	2.106
IV	:1	1.667
V	:1	1.285
V	:1	1.000
VI	:1	0.839
VIII	:1	0.667
R	:1	3.317
Final drive	:1	3.231
		0.201
Performance		
Acceleration 0–100 km/h	S	5.9
Top speed	km/h	235
Top speed (electric)	km/h	140
Range (electric)	km	62-67
		02 07
BMW EfficientDynamics		
BMW EfficientDynamics standard	BMW eDriv	e technology, Electric Power Steering, hybrid-specific Auto
features		unction, Optimum Shift Indicator, ECO PRO and COMFOR
	mod	le with coasting function, Proactive Driving Assistant,
		entLightweight, optimised aerodynamic attributes, active ai
	flap contro	I, on-demand operation of ancillary units, map-regulated oil
	, pump, ele	ectric a/c compressor, differential with optimised warm-up
		behaviour, tyres with reduced rolling resistance
Fuel Consumption ECE		
Fuel consumption combined	l/100 km	1.8 – 1.7
CO ₂ emissions from fuel	g/km	42 - 39
Electric power consumption	kWh/100 km	14.8 – 13.7
combined		
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).

The new BMW 5 Series Sedan. 530e xDrive.

BMW 530e xDrive Sedan				
	4/5			
mm	4963 / 1868 / 1483			
	2975			
	1604 / 1631			
	146			
	12.4			
	46			
l	5.25			
ka	1895 / 1970			
	665			
	2560			
	1170 / 1455			
	117071400			
ka	2000 / 750			
	100/80			
Kg	410			
Cd X A	0.24 x 2.35			
	012172100			
	Full-hybrid drive, drive torque from engine or electric motor or both transmitted to all four wheels via BMW xDrive			
kW/hp	215/292			
Nm	420			
kg/kW	8.8			
	In-line / 4 / 4			
BMW TwinPower Turbo technology: TwinScroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double VANOS variable camshaft timing				
CC	1998			
	94.6 / 82.0			
	11.0			
	min. RON 91			
kW/hp	135 / 184			
	5000 - 6500			
	300			
	1350 – 4000			
kW/I	67.6			
BM	W eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery			
kW/hp	80 / 109			
rpm	3140			
Nm	265			
rpm	100 – 2500			
	Lithium-ion / underneath rear seats			
V	Lithium-ion / underneath rear seats 354			
V kWh	Lithium-ion / underneath rear seats 354 12.0			
	kW/hp Nm kg/kW BN Prec CC mm :1 :1 kW/hp rpm kW/i BM kW/hp rpm kW/i SM			

		BMW 530e xDrive Sedan
Driving Dynamics and Safety		
Suspension, front		le in aluminium construction with separate lower track arm, roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium construction
Brakes, front	Ve	nted disc brakes, with four-piston fixed callipers
Brakes, rear	Vent	ed disc brakes, with single-piston floating callipers
Driving stability systems	(Cornering Brake C	ncl. ABS, ASC and DTC (Dynamic Traction Control), CBC ontrol), DBC (Dynamic Brake Control), Dry Braking functior ion, Start-Off Assistant, all-wheel-drive system xDrive linker with DSC; optional: Adaptive suspension
Safety equipment	0	r driver and front passenger, side airbags for driver and fror irbags front and rear, three-point inertia-reel seatbelts on al
	seats with belt stop	oper, belt tensioner and belt force limiter at the front, crash- nead restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS)
-	with	Servotronic function; optional: Integral Active Steering
Steering ratio, overall	:1	16.5
Tyres, front/rear		225/55 R17 101Y XL
Rims, front/rear		7.5J x 17 light-alloy
Transmission		
Type of transmission		Eight-speed Steptronic transmission
Gear ratios I	:1	4.714
	:1	3.143
	: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	5.9
Top speed	km/h	230
Top speed (electric)	km/h	140
Range (electric)	km	56 – 58
BMW EfficientDynamics		
BMW EfficientDynamics standard features	Start Stop fu mod	e technology, Electric Power Steering, hybrid-specific Auto inction, Optimum Shift Indicator, ECO PRO and COMFOR e with coasting function, Proactive Driving Assistant, entLightweight, optimised aerodynamic attributes, active ai
	pump, ele	l, on-demand operation of ancillary units, map-regulated oil ctric a/c compressor, efficiency-optimised all-wheel drive,
	differential w	/ith optimised warm-up behaviour, tyres with reduced rollin resistance
Fuel Consumption ECE		
Fuel consumption combined	l/100 km	2.1 – 2.0
CO ₂ emissions from fuel	g/km	49-46
Electric power consumption	kWh/100 km	16.4 – 15.9

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 Sedan. 520d.

		BMW 520d Sedan
Body		
No of doors/seats		4/5
Length/width/height 1)	mm	4963 / 1868 / 1479
(unladen)		
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	144
Turning circle	m	12.0
Fuel tank capacity	approx. I	66
Engine oil 2)		5.5
Weight, unladen, to DIN/EU	kg	1675 / 1750
Max load to DIN	kg	670
		2345
Max permissible weight	kg	
Max axle load, front/rear	kg	1100 / 1320
Max trailer load,	kg	2000 / 750
braked (12%)/unbraked	1.	2000 / 750
Max roofload/max towbar	kg	100 / 90
download		E20
Luggage comp capacity	I	530
Air resistance	c _d x A	0.23 x 2.35
Power Unit		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology		MV TwinPower Turbo technology: multi-stage turbocharging, common-rail direct injection with solenoid injectors (max. injection pressure: 2500 bar)
Effective capacity	СС	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	трпт	1730 - 2300
Max output	kW/hp	8/11
		0,11
Electrical System		
12V battery/installation	Ah/–	90 / luggage compartment
48V battery/installation	Ah/–	11 / engine compartment
Driving Dynamics and Safe	tv	
Suspension, front	-	ble-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
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems	Star	ndard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering
		Brake Control), DBC (Dynamic Brake Control), Dry Braking function, ling Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive
Safety equipment	fro on	tandard: airbags for driver and front passenger, side airbags for driver and nt passenger, head airbags front and rear, three-point inertia-reel seatbelts 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),
5		optional: Integral Active Steering
Steering ratio, overall	:1	17.0
Steering ratio, overall Tyres, front/rear	:1	17.0 225/55 R17 101Y XL

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			BMW 520d Sedan	
Transmission				
Type of transmission	1		Eight-speed Steptronic transmission	
Gear ratios		:1	5.250	
		:1	3.360	
		: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 rati	o (DIN)	kg/kW	12.0	
Output per litre		kW/I	70.2	
Acceleration 0-	100 km/h	S	7.2	
Top speed		km/h	235	
BMW EfficientDyn	amics			
BMW EfficientDynar	nics	Mi	d hybrid technology with 48V starter-generator, Brake Energy Regeneration	
standard features		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 E	CE		
Urban	l/100 km	5.0 - 4.8	
Extra-urban	l/100 km	3.9 – 3.7	
Combined	l/100 km	4.3 - 4.1	
CO ₂	g/km	112 – 108	
Emission rating		Euro 6d	

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¹⁾ Height including roof fin
²⁾ Oil change

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The new BMW 5 Series Sedan. 520d xDrive.

	BMW 520d xDrive Sedan			
Body				
No of doors/seats		4/5		
Length/width/height 1)	mm	4963 / 1868 / 1479		
(unladen)				
Wheelbase	mm	2975		
Track, front/rear	mm	1605 / 1630		
Ground clearance	mm	139		
Turning circle	m	12.4		
Fuel tank capacity	approx. I	66		
Engine oil ²⁾		5.5		
Weight, unladen, to DIN/EU	kg	1735 / 1810		
Max load to DIN	kg	670		
Max permissible weight	kg	2405		
Max axle load, front/rear	kg	1150 / 1330		
Max trailer load,	kg	11307 1330		
braked (12%)/unbraked	ĸy	2000 / 750		
Max roofload/max towbar	ka	100/90		
download	kg			
Luggage comp capacity	1	530		
Air resistance	Cd X A	0.23 x 2.35		
Air resistance	Cd X A	0.23 % 2.35		
Power Unit				
Config/No of cyls/valves		In-line / 4 / 4		
Engine technology	E	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		11 / engine compartment		
	AI#-			
Driving Dynamics and Safe	-			
Suspension, front	D	ouble-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		
Brakes, front		Vented disc brakes, with four-piston fixed callipers		
Brakes, rear		Vented disc brakes, with single-piston floating callipers		
Driving stability systems	S	tandard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornerin		
	Brake Control), DBC (Dynamic Brake Control), Dry Braking function,			
	F	ading Compensation, Start-Off Assistant, all-wheel-drive system xDrive linke		
		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				

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			BMW 520d xDrive Sedan
Transmission	1		
Type of transm	ission		Eight-speed Steptronic transmission
Gear ratios		:1	5.250
		:1	3.360
		: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-weig	ht ratio (DIN)	kg/kW	12.4
Output per litre	1	kW/I	70.2
Acceleration	0–100 km/h	S	7.2
Top speed		km/h	232
BMW Efficien	tDynamics		
BMW Efficient[standard featur	,		fild hybrid technology with 48V starter-generator, Brake Energy Regeneration ith 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** l/100 km 5.2 – 5.1 l/100 km 4.1 – 3.9 Extra-urban l/100 km Combined 4.5 – 4.3 118 – 114 g/km

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

Emission rating

Urban

CO₂

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The new BMW 5 Series Sedan. 530d.

	BMW 530d Sedan		
Body			
No of doors/seats		4 / 5	
Length/width/height 1)	mm	4963 / 1868 / 1479	
(unladen)			
Wheelbase	mm	2975	
Track, front/rear	mm	1605 / 1630	
Ground clearance	mm	144	
Turning circle	m	12.0	
Fuel tank capacity	approx. I	66	
Engine oil 2)		7.0	
Weight, unladen, to DIN/EU	kg	1760 / 1835	
Max load to DIN	kg	680	
Max permissible weight	kg	2440	
Max axle load, front/rear	kg	1200 / 1350	
Max trailer load,	kg	120071000	
braked (12%)/unbraked	ĸġ	2000 / 750	
Max roofload/max towbar	kg	100 / 90	
download	Ng	100730	
Luggage comp capacity	1	530	
Air resistance	Cd X A	0.23 x 2.35	
	GUXA	0.20 x 2.00	
Power Unit			
Config/No of cyls/valves		In-line / 6 / 4	
Engine technology		MW TwinPower Turbo technology: multi-stage turbocharging, low-pressure	
	t	urbocharger 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 Safe			
Suspension, front	Do	uble-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	
Brakes, front		Vented disc brakes, with four-piston fixed callipers	
Brakes, rear		Vented disc brakes, with single-piston floating callipers	
Driving stability systems	Sta	andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering	
Driving stability systems	01	Brake Control), DBC (Dynamic Brake Control), Dry Braking function,	
		Fading Compensation, Start-Off Assistant:	
		Fading Compensation, Start-Off Assistant; optional: Adaptive suspension, Adaptive Drive	
Safety equipment		optional: Adaptive suspension, Adaptive Drive	
Safety equipment		optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and	
Safety equipment	fro	optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts	
Safety equipment	fro	optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts n all seats with belt stopper, belt tensioner and belt force limiter at the front,	
	fro	optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts n all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator	
Safety equipment	fro	optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts n all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator Electric Power Steering (EPS),	
Steering	fro O	optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts n all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator Electric Power Steering (EPS), optional: Integral Active Steering	
	fro	optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts n all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator Electric Power Steering (EPS),	

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			BMW 530d Sedan	
Transmission				
Type of transmissio	n		Eight-speed Steptronic transmission	
Gear ratios	I	:1	5.500	
	II	:1	3.520	
		: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				
		kg/kW	8.4	
Power-to-weight ra Output per litre		kg/kvv kW/l	70.2	
	-100 km/h		5.6	
	-100 Km/m	ss		
Top speed		Km/n	250	
BMW EfficientDy	namics			
BMW EfficientDynamics		Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration		
standard features		with recuperation display, Auto Start Stop function, ECO PRO and COMFOR		
		1	mode with coasting function, Proactive Driving Assistant, Optimum Shift	
			ndicator, 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 E	CE		
Urban	l/100 km	5.9 – 5.8	
Extra-urban	l/100 km	3.9 – 3.7	
Combined	l/100 km	4.6 - 4.5	
CO ₂	g/km	122 – 118	
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).

The new BMW 5 Series Sedan. 530d xDrive.

	BMW 530d xDrive Sedan			
Body				
No of doors/seats		4/5		
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1479		
<u>, , , , , , , , , , , , , , , , , , , </u>		20.75		
Wheelbase	mm	2975		
Track, front/rear	mm	1605 / 1630		
Ground clearance	mm	139		
Turning circle	m	12.4		
Fuel tank capacity	approx. I	66		
Engine oil 2)		7.0		
Weight, unladen, to DIN/EU	kg	1820 / 1895		
Max load to DIN	kg	685		
Max permissible weight	kg	2505		
Max axle load, front/rear	kg	1250 / 1360		
Max trailer load,	kg			
braked (12%)/unbraked		2000 / 750		
Max roofload/max towbar	kg	100 / 90		
download				
Luggage comp capacity		530		
Air resistance	c _d x A	0.23 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				
Electrical System	A la /	00/1		
12V battery/installation	Ah/-	90 / luggage compartment		
48V battery/installation	Ah/–	11 / engine compartment		
Driving Dynamics and Safe	ty			
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		
Brakes, front Brakes, rear		Vented disc brakes, with four-piston fixed callipers		
		Vented disc brakes, with single-piston floating callipers		
Driving stability systems	3	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering		
		Brake Control), DBC (Dynamic Brake Control), Dry Braking function,		
	F	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		

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			BMW 530d xDrive Sedan
Transmission			
Type of transmiss	ion		Eight-speed Steptronic transmission
Gear ratios	l	:1	5.500
	ll	:1	3.250
		: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 r	ratio (DIN)	kg/kW	8.7
Output per litre		kW/I	70.2
Acceleration	0–100 km/h	S	5.4
Top speed		km/h	250
BMW EfficientD	ynamics		
BMW EfficientDyr	namics	Ν	Aild hybrid technology with 48V starter-generator, Brake Energy Regeneration
standard features			vith 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,

Fuel Consumption ECE Urban l/100 km 6.3 – 6.1 l/100 km Extra-urban 4.2 – 4.0 l/100 km Combined 5.0 - 4.8 CO₂ 131 – 125 g/km Emission rating Euro 6d

differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter

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).

The new BMW 5 Series Sedan. 540d xDrive.

		BMW 540d xDrive Sedan
Body		
No of doors/seats		4/5
Length/width/height 1)	mm	475
(unladen)		49037100071479
Wheelbase		2975
	mm	
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	139
Turning circle	m	12.4
Fuel tank capacity	approx. I	66
Engine oil 2)		7.0
Weight, unladen, to DIN/EU	kg	1850 / 1925
Max load to DIN	kg	675
Max permissible weight	kg	2525
Max axle load, front/rear	kg	1270 / 1360
Max trailer load,	kg	
braked (12%)/unbraked	ĸg	2000 / 750
Max roofload/max towbar	ka	100 / 90
	kg	100790
download	1	520
Luggage comp capacity	<u> </u>	530
Air resistance	c _d x A	0.23 x 2.35
Power Unit		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology	BN	IW TwinPower Turbo technology: multi-stage turbocharging, high- and low-
0 01		pressure turbochargers with variable intake geometry, common-rail direct
		injection with piezo injectors (max. injection pressure: 2700 bar)
Effective capacity	СС	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
	.1	
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		11 / engine compartment
	An-	r i / engine compartment
Driving Dynamics and Safe	ety	
Suspension, front	Dou	uble-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
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems	Sta	ndard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering
Driving stability systems	014	Brake Control), DBC (Dynamic Brake Control), Dry Braking function,
	For	ling Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked
	Fac	
Cofoty ogging and		with DSC; optional: Adaptive suspension, Adaptive Drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and
		nt passenger, head airbags front and rear, three-point inertia-reel seatbelts
	or	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),
Steering		Electric Power Steering (EPS), optional: Integral Active Steering
Steering Steering ratio, overall	:1	
	:1	optional: Integral Active Steering

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			BMW 540d xDrive Sedan	
Transmission				
Type of transm	ission		Eight-speed Steptronic transmission	
Gear ratios		:1	5.500	
		:1	3.250	
		: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-weigh	nt ratio (DIN)	kg/kW	7.4	
Output per litre	· ·	kW/l	83.5	
Acceleration	0–100 km/h	S	4.6	
Top speed		km/h	250	
BMW Efficien	tDynamics			
BMW EfficientDynamics		N	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration	
standard featur	es	W	vith 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 E	CE		
Urban	l/100 km	6.6 - 6.5	
Extra-urban	l/100 km	4.3 – 4.1	
Combined	l/100 km	5.1 – 5.0	
CO ₂	g/km	135 – 131	
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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