Technical specifications. BMW 5 Series Sedan.

520i.



		BMW 520i 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	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,		
braked (12%)/unbraked	kg	2000 / 750
Max roofload/max towbar downl		100 / 90
Luggage comp capacity	ĭ	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
		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		11 / engine compartment
	<u> </u>	r / engine compartment
Driving Dynamics and Safet	y	
Suspension, front	[Double-wishbone axle in aluminium construction with separate lower track arn
		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	ç	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornerin
		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 520i Sedan
Transmission			
Type of transmis	ssion		Eight-speed Steptronic transmission
Gear ratios		:1	5.250
		:1	3.360
		: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	t 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 Efficient	Dynamics		
BMW EfficientDy	ynamics	N	/lild hybrid technology with 48V starter-generator, Brake Energy Regenerati
standard feature	S	v	vith recuperation display, Auto Start Stop function, ECO PRO and COMFOF mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator Electric David Stopping RMW Efficient in the priminal

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	6.8 - 6.5	
Extra-urban (NEDC)	l/100 km	4.7 – 4.6	
Combined (NEDC)	l/100 km	5.5 – 5.3	
Combined (WLTP)	l/100 km	7.1 – 6.1	
CO ₂ (NEDC)	g/km	125 – 120	
CO ₂ (WLTP)	g/km	161 – 140	
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

BMW 5 Series Sedan. 530i.

		BMW 530i Sedan
Body		415
No of doors/seats		4/5
Length/width/height ¹⁾ (unladen) Wheelbase	mm	<u> </u>
	mm	1605 / 1630
Track, front/rear Ground clearance	mm	144
Turning circle	mm m	144
		68
Engine oil ²⁾	prox. I	5.25
Weight, unladen, to DIN/EU	kg	1625 / 1700
Max load to DIN		680
Max permissible weight	kg kg	2305
Max axle load, front/rear		1090 / 1300
Max trailer load, nontreal	kg	109071300
braked (12%)/unbraked	ka	2000 / 750
Max roofload/max towbar download	kg kg	100 / 90
	ky I	530
Luggage comp capacity Air resistance		0.23 x 2.35
Air resistance	Cd 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 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
	(W/hp	185/252
at	rpm	5200 - 6500
Max torque	Nm	350
at	rpm	1450 - 4800
48V mild hybrid technology		
	kW/hp	8/11
Electrical System	Ah/-	00 / hanness and a start of the start
12V battery/installation		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
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
		Electric Power Steering (EPS),
Steering		
Steering		optional: Integral Active Steering
Steering ratio, overall	:1	
	:1	optional: Integral Active Steering

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			BMW 530i Sedan
Transmission			
Type of transmis	ssion		Eight-speed Steptronic transmission
Gear ratios	l	:1	5.250
		:1	3.360
		: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-weigh	t ratio (DIN)	kg/kW	8.8
Output per litre		kW/I	92.6
Acceleration	0–100 km/h	S	6.4
Top speed		km/h	250
BMW Efficient	Dynamics		
BMW EfficientD	ynamics	Mild	hybrid technology with 48V starter-generator, Brake Energy Regeneration
standard feature	es		recuperation display, Auto Start Stop function, ECO PRO and COMFOR node with coasting function, Proactive Driving Assistant, Optimum Shift

riving Assistant, mode with coasting function on, Proactive 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	6.8 - 6.6	
Extra-urban (NEDC)	l/100 km	4.8 - 4.5	
Combined (NEDC)	l/100 km	5.5 – 5.3	
Combined (WLTP)	l/100 km	7.2 – 6.3	
CO ₂ (NEDC)	g/km	126 – 121	
CO ₂ (WLTP)	g/km	163 – 143	
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

BMW 5 Series Sedan. 530i xDrive.

	BMW 530i xDrive Sedan
Body	
No of doors/seats	4/5
	mm 4963 / 1868 / 1479
	mm 2975
· · · ·	mm 1605 / 1630 mm 139
Turning circle	m 12.4
Fuel tank capacity appr	
Engine oil ²⁾	I 5.25
Weight, unladen, to DIN/EU	kg 1680 / 1755
Max load to DIN	kg 680
Max permissible weight	
Max axle load, front/rear	
· · · · · · · · · · · · · · · · · · ·	kg 1140 / 1310
Max trailer load,	2000 / 750
braked (12%)/unbraked	kg 2000/750
Max roofload/max towbar download	kg 100 / 90
Luggage comp capacity	
Air resistance cd	0.24 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
	//hp 185/252
	rpm 5200 – 6500
	Nm 350
	rpm 1450 – 4800
48V mild hybrid technology	
	//hp 8 / 11
Electrical System	
,, ,	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
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),
<u> </u>	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
nino, il ullui edi	7.30 × 17 light-alloy

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			BMW 530i xDrive Sedan
Transmission			
Type of transmission	on		Eight-speed Steptronic transmission
Gear ratios	I	:1	5.250
		:1	3.360
		: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 ra	atio (DIN)	kg/kW	9.1
Output per litre		kW/I	92.6
Acceleration 0)–100 km/h	S	6.3
Top speed		km/h	250
BMW EfficientDy	/namics		
BMW EfficientDyna	amics	1	Vild hybrid technology with 48V starter-generator, Brake Energy Regeneratio
standard features		١	with recuperation display, Auto Start Stop function, ECO PRO and COMFOR
			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	7.6 – 7.4	
Extra-urban (NEDC)	l/100 km	5.2 - 5.0	
Combined (NEDC)	l/100 km	6.1 – 5.9	
Combined (WLTP)	l/100 km	7.5 – 6.7	
CO ₂ (NEDC)	g/km	140 – 135	
CO ₂ (WLTP)	g/km	171 – 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

BMW 5 Series Sedan. 540i.

		BMW 540i Sedan
Body		A 1 E
No of doors/seats		4/5
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1479
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630 144
Ground clearance Turning circle	mm	144 12.0
	m	
Fuel tank capacity Engine oil ²⁾	approx. I	<u> </u>
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,	ka	2000 / 750
braked (12%)/unbraked Max roofload/max towbar downloa	kg	2000 / 750 100 / 90
	ad kg	530
Luggage comp capacity Air resistance		
	c _d x A	0.23 % 2.33
Power Unit		
Config/No of cyls/valves		In-line / 6 / 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	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
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

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			BMW 540i Sedan	
Transmission				
Type of transmis	ssion		Eight-speed Steptronic transmission	
Gear ratios	1	:1	5.250	
		:1	3.360	
		: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-weigh	t ratio (DIN)	kg/kW	6.9	
Output per litre	· · ·	kW/I	81.7	
Acceleration	0–100 km/h	S	5.2	
Top speed		km/h	250	
BMW Efficient	Dynamics			
BMW EfficientD	ynamics	M	ild hybrid technology with 48V starter-generator, Brake Energy Regeneratior	
standard feature	es s	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	
			comment of the state of the state of the second	

warm-up behaviour, tyres with reduced rolling resistance

Fuel Consumption ECE			
Urban (NEDC)	l/100 km	8.5 – 8.3	
Extra-urban (NEDC)	l/100 km	5.4 – 5.2	
Combined (NEDC)	l/100 km	6.5 - 6.3	
Combined (WLTP)	l/100 km	8.0 - 7.0	
CO ₂ (NEDC)	g/km	150 – 145	
CO ₂ (WLTP)	g/km	182 – 160	
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

BMW 5 Series Sedan. 540i xDrive.

		BMW 540i 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)		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,		0000 / 750			
braked (12%)/unbraked	kg	2000 / 750			
Max roofload/max towbar down		100/90			
Luggage comp capacity		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 Precisio 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 Safe Suspension, front	-				
	L	Double-wishbone axle in aluminium construction with separate lower track ar 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 (Corneri Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Eading Componention, Start, Off Assistant all whead drive systems Drive links			
	ľ	Fading Compensation, Start-Off Assistant, all-wheel-drive system xDrive link with DSC; optional: Adaptive suspension, Adaptive Drive			
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and			
	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelt:				
	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			
		UIGOT GUIVE ILUIT HEAU TEOLIAIILO, UIGOT SELISUIS, LVIE DIESSUIE ILUICALUI			
Stooring					
Steering		Electric Power Steering (EPS),			
	.1	Electric Power Steering (EPS), optional: Integral Active Steering			
Steering Steering ratio, overall Tyres, front/rear	:1	Electric Power Steering (EPS),			

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			BMW 540i xDrive Sedan
Transmission			
Type of transmis	ssion		Eight-speed Steptronic transmission
Gear ratios	I	:1	5.250
		:1	3.360
		: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-weigh	t ratio (DIN)	kg/kW	7.1
Output per litre		kW/l	81.7
Acceleration	0–100 km/h	S	4.9
Top speed		km/h	250
BMW Efficient	Dynamics		
BMW EfficientD	ynamics	N	/ild hybrid technology with 48V starter-generator, Brake Energy Regeneration
standard feature	25	W	vith recuperation display, Auto Start Stop function, ECO PRO and COMFOR mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicate Electric Device Stopping, PMW Efficient instrument, antimized

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	8.8 - 8.7	
Extra-urban (NEDC)	l/100 km	5.7 – 5.5	
Combined (NEDC)	l/100 km	6.8 - 6.7	
Combined (WLTP)	l/100 km	8.4 – 7.5	
CO ₂ (NEDC)	g/km	156 – 153	
CO ₂ (WLTP)	g/km	191 – 170	
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

BMW 5 Series Sedan. M550i xDrive.

		BMW M550i xDrive Sedan
Body No of doors/seats		4/5
Length/width/height ¹⁾ (unladen)	mm	47.5
Wheelbase	mm	2975
Track, front/rear	mm mm	1600 / 1597
Ground clearance	mm	131
Turning circle	m	12.4
v	approx. I	68
Engine oil ²⁾	1. <u></u>	10.5
Weight, unladen, to DIN/EU	kg	1915 / 1990
Max load to DIN		645
Max permissible weight	kg kg	2560
Max axle load, front/rear	kg	1260 / 1365
Max trailer load,	ĸy	12007 1305
braked (12%)/unbraked	ka	2000 / 750
Max roofload/max towbar downloa	kg d kg	100 / 90
Luggage comp capacity	d kg	530
Air resistance	Cd X A	0.28 x 2.35
All resistance	Cd X A	0.26 X 2.33
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 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
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 Macupagaian entiable Adaptive Drive
Cofety agginement		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),
JEELING		optional: Integral Active Steering
Steering ratio, overall	:1	16.5
Tyres, front/rear	. 1	245/40 R19 98Y XL /
i yies, iiulilliedi		245/40 R 19 98Y XL / 275/35 R 19 100Y XL
Pime front/rear		8J x 19 light-alloy /
Rims, front/rear		9J x 19 light-alloy
		JU X I J IIYIL-dIIUY

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			BMW M550i xDrive Sedan	
Transmissior	1			
Type of transm	nission		Eight-speed Steptronic transmission	
Gear ratios		: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	9	kW/I	88.7	
Acceleration	0–100 km/h	S	3.8	
Top speed		km/h	250	
BMW Efficier	ntDynamics			
BMW EfficientDynamics		Brake Energy Regeneration with recuperation display, Auto Start Stop functio		
standard features		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	14.2 – 13.8	
Extra-urban (NEDC)	l/100 km	7.8 – 7.6	
Combined (NEDC)	l/100 km	10.1 – 9.9	
Combined (WLTP)	l/100 km	11.0 – 10.3	
CO ₂ (NEDC)	g/km	233 – 227	
CO ₂ (WLTP)	g/km	250 – 235	
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

BMW 5 Series Sedan. 520e.

		BMW 520e 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		
Vax axle load. front/rear	kg	1120 / 1450		
Vax trailer load,	··9			
praked (12%)/unbraked	kg	1700 / 750		
Max roofload/max towbar download	kg	100/80		
Luggage comp capacity	l ry	410		
Air resistance	Cd X A	0.24 x 2.35		
		0.24 × 2.00		
Power Unit				
Drive concept		Full-hybrid drive, drive torque from engine or electric		
		motor or both transmitted to the rear wheels		
Vax system output	kW/hp	150/204		
Vax system torque	Nm	350		
System power-to-weight ratio (DIN)	kg/kW	12.2		
Petrol Engine				
Config/No of cyls/valves		In-line / 4 / 4		
Engine technology	BMW TwinPower Turbo technology: TwinScroll turbocharger, Hig			
5 5,		cision 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	120 / 163		
at	rpm	5000 - 6500		
	Nm	300		
Max torque		1350 – 3700		
	rpm			
	kW/I	60.0		
Output per litre				
Output per litre Electric Motor	kW/I	60.0		
Output per litre Electric Motor	kW/I	60.0 IW eDrive technology: synchronous electric motor integrated into		
Output per litre Electric Motor	kW/I	60.0 W eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for		
Output per litre Electric Motor Motor technology	kW/I BM	60.0 W eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery		
Dutput per litre Electric Motor Motor technology Max output	kW/l BN kW/hp	60.0 W eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery 80 / 109		
Output per litre Electric Motor Motor technology Max output at	kW/I BN kW/hp rpm	60.0 W eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery 80 / 109 3140		
Output per litre Electric Motor Motor technology Max output at Max torque	kW/I BN kW/hp rpm Nm	60.0 W eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery 80 / 109 3140 265		
Output per litre Electric Motor Motor technology Max output at Max torque	kW/I BN kW/hp rpm	60.0 W eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery 80 / 109 3140		
Output per litre Electric Motor Motor technology Max output at Max torque at	kW/I BN kW/hp rpm Nm	60.0 W eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery 80 / 109 3140 265		
Output per litre Electric Motor Motor technology Max output at Max torque at High-voltage Battery	kW/I BN kW/hp rpm Nm	60.0 W eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery 80 / 109 3140 265		
at Output per litre Electric Motor Motor technology Max output at Max torque at High-voltage Battery Storage technology/installation Voltage	kW/I BN kW/hp rpm Nm	60.0 IW eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery 80 / 109 3140 265 100 - 2500		
Output per litre Electric Motor Motor technology Max output at Max torque at High-voltage Battery Storage technology/installation	kW/I BM kW/hp rpm m rpm	60.0 IW eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery 80 / 109 3140 265 100 – 2500 Lithium-ion / underneath rear seats		

small steering roll radius, transverse force compensation, anti-dive Suspension, rear Five-link axie in aluminium construction Brakes, front Vented disc brakes, with single-piston floating calipers Brakes, rear Vented disc brakes, with single-piston floating calipers Brakes, rear Vented disc brakes, with single-piston floating calipers Brakes, rear Vented disc brakes, with single-piston floating calipers Brakes for diverse of the second strate str			BMW 520e Sedan
Suspension, front Double-wishbore axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive Brakes, rear Five-link ake in aluminium construction I Brakes, rear Vented disc brakes, with Single-piston fixed callipers Brakes, rear Vented disc brakes, of the single-piston fixed callipers Brakes, rear Vented disc brakes, with single-piston fixed callipers Brakes, rear Vented disc brakes, of the single-piston fixed callipers Brakes, rear Brakes, rear Vented disc brakes, with single-piston floating callipers Brakes, rear Brakes, rear Device and front passenger, side airbags for driver and front passenger, side airbags for	Driving Dynamics and Safety		
Suspension, rear Five-link ake in aluminium construction Brakes, front Vented disc brakes, with single-piston fixed callipers Driving stability systems Standard: DSC Incl. ABS, ASC and DTC (Dynamic Tracton Control), CBC (Contering Brake Control), DSC Dynamic Tracton Control), CBC (Contering Brake Control), DSC Dynamic Tracton Control), CBC (Contering Brake Control), DSC Dynamic Tracton Control), CBC (Dynamic Tracton Contro), Canton Contro,	Suspension, front	Double-wishbone	axle in aluminium construction with separate lower track arm,
Brakes, rear Vented disc brakes, with four-piston fixed calipers Brakes, rear Vented disc brakes, with single-piston floating calipers Driving stability systems Standard: DSC incl. ASS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dy Braking function Fading Compensation, Start-OTR Assistant; optional: Adaptive suspension Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for driver and front passenger, side airbags for driver and seats with beit stopper, bet tensioner and bet force limiter at the front, crash- active front head restraints, crash sensors, type pressure indicator Steering attic, overall :1 17.0 Tyres, frontrivear 7.5Jx 17 light-silloy Tyres frontrivear 7.5Jx 17 light-silloy Tamsmission Tope of transmission Ear attice in it in 3.143 III i1 3.143 III i1 3.143 III i1 0.0667 V i1 1.0667 V i1 1.0667 V i1 1.000 VII :1 0.0639 VIII :1 0.0667 Fraid drive i1 3.3217 Fraid drive i1 3.317 Fraid drive i1 3.317 Fraid drive i1 3.317 Fraid drive i1 3.317 Fraid drive i1 3.3217 BMW EfficientDynamics BMW eDrive technology, Electric Power Steering, hybrid-specific Auto Start Stop function, QHUTPD km 53 - 61 BMW EfficientDynamics standard fage control, not and and your drive assistant, BMW EfficientDynamics standard fage control, not and and your drive assistant, BMW EfficientDynamics standard fage control, not and again extra the scale assistant, BMW EfficientDynamics (MLTP) kMN 18 - 1.3 CO2 emissions from fuel (MLTP) kMN 18 - 1.3 CO2 emissions from fuel (MLTP) kMN 18 - 1.4.5 Electric prover consumption weighted combined (WLTP) kWN100 km 15.1 - 14.5 Electric prover consumption Electric prover consumption Electric prover consumption Electric prover consumption Electric prover consump		small steeri	ng roll radius, transverse force compensation, anti-dive
Brakes, rear Vented disc brakes, with single-piston floating callipors. Driving stability systems Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), DS daving function Fading Compensation, Start-Off Assistant; optional: Adaptive suspension Safety equipment Standard: aitbags for driver and front passenger, ibea airbags for driver and front passenger, ibea airbags for driver and front passenger, ibea airbags for there are abeths on all seats with bet stopper, bet tensioner and bet forces limiter at the front, crash- active front head restraints, crash sensors, tyre pressure indicator Steering Electric Power Steering (EPS) Steering vith Servotronic function; optional: Integral Active Steering Transmission Elepti-speed Steptronic transmission Gear ratios I 1 Type of transmission Eight-speed Steptronic transmission Gear ratios I 1 III 1 2.106 IV 1 1.000 VI 1 3.317 Final drive 1 3.217 Final drive 1 3.217 Top speed (electric) km/h 140 Restrip syste	Suspension, rear		Five-link axle in aluminium construction
Driving stability systems Standard: DSC ind. ABS, ASC and DTC (Dynamic Traction control), DBC (Dynamic Brace Control, DBC (Dynamic Brace Control), DBC (Dynamic Brace Control, DBC (Dynamic Brace Control), DBC (Dynamic Brace Control, DBC (Dynamic Brace Control, DBC (Dynamic Brace Control, DBC (Dynamic Brace Control), DBC (Dynamic Brace Control, DBC (Dynamic Brace Control), DBC (Dynamic Brace Control, DBC (Dynamic Brace Control, DBC (Dynamic Brace Control, DC (Dynamic Brace Control, DC (Dynamic Brace Control, DC (Dynamic Brace Control), DBC (Dynamic Bra	Brakes, front		
Driving stability systems Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction control), GBC (Dynamic Brace Control), GBC (Dynamic Brace Control), DBC (Dynamic Brace Control), DBC (Dynamic Brace Control), DBC (Dynamic Brace Control), CBC (Dynamic Brace Control, CBC (Dynamic Brace Control, CBC (Dynamic Brace Control), CBC (Dynamic Brace Control), CBC (Dynamic Brace Control, CBC (Dynamic Brace Control, CBC (Dynamic Brace Control), CBC (Dynamic Brace Control), CBC (Dynamic Brace Control, CBC (Dynamic Brace Control), CBC (D	Brakes, rear	Ve	ented disc brakes, with single-piston floating callipers
Cornering Brake Controll, DP Kinking function Fading Compensation, Start-Off Assistant; optional: Adaptive suspension Standard: airbags for driver and from passenger, side airbags for driver and from passenger, head airbags for driver and brom passenger, side airbags for driver and from passenger, head airbags for driver and brom passenger, head airbags for driver and brom passenger, bett resinoner and bet force limiter at the front, crash- active front head restraints, crash sensors, tyre pressure indicator Steering Electric Power Steering (EPS) Steering natio, overall :1 17.0 Types, front/rear 7.5J x 17 light-alley Transmission Electric Power Steering (EPS) Transmission Elight-speed Steptronic transmission Car ratios I :1 4.714 Car ratios I :1 1.000 Vering :1 1.000 1 V :1 1.0331 1 V :1 1.039 1 V :1 1.000 1 VI :1 0.4667 1 R :1 3.217 1 Tig speed km/h 225 1 Dig speed (electric) km/h	· · ·		
Safety equipment Standard: airbags for driver and from passenger, side airbags for driver and from passenger, head airbags for tand from three-point inertia-reel seatbelts on all seates with belt stopper, belt tensioner and belt force limiter at the front, crash- active front head restraints, crash sensors, tyre pressure indicator Tessenger, force and the seate with belt stopper, belt tensioner and belt force limiter at the front, crash- active front head restraints, crash sensors, tyre pressure indicator Tessenger, and a seate with belt stopper, belt tensioner and belt force limiter at the front, crash- active front fuer of the sensors, tyre pressure indicator Transmission (EFS) with Servotronic function; optional: Integral Active Steering Steering Transmission (Eight-speed Steptronic transmission Gear ratios I : 1 4.714 Gear ratios I : 1 1.667 V : 1 1.667 V : 1 1.667 V : 1 1.000 VII : 1 0.0639 VIII : 1 0.667 R : 1 3.231 Final drive : 1 3.231 Electric range (WLTP) km 53-61 EMW EfficientDynamics BMW EfficientDynamics Standard features : Start Stop function, Protexine Driving Assistant, BMW EfficientDynamics Standard features : 1.9 - 1.7 Fuel consumption. weighted combined (WLTP) V100 km 1.9 - 1.7 Fuel consumption. Weighted combined (WLTP) W100 km 1.9 - 1.7 Fuel consumption. Weighted combined (WLTP) W100 km 1.9 - 1.7 Fuel consumption. Weighted combined (WLTP) W100 km 1.9 - 1.7 Fuel consumption.	0 , , ,	(Cornering Brake	e Control), DBC (Dynamic Brake Control), Dry Braking function,
passenger, head airbags front and riear, three-point inerti-rel 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 Electric Power Steering (EPS) with Servotronic function, optionalik Integral Active Steering Tyres, front/rear 7.5J x 17 light-alloy Transmission Type of transmission Elight-speed Steptronic transmission Cear ratios I II 1 3.143 III 1 3.143 III 1 3.143 III 1 3.143 III 1 3.143 III 1 3.143 III 1 0.667 V 1 1 1.667 V 1 1 1.667 V 1 1 1.667 V 1 1 0.663 VI 1 1 0.667 Final drive I 1 0.667 V 2 1 1.285 VI 2 1 0.255 Final drive I 1 0.839 VII 2 1 0.667 VI 2 1 0.255 Final drive I 1 0.839 VII 2 1 0.667 Berformance Acceleration 0-100 km/h s 7.9 Top speed km/h 225 Top	Safety equipment		
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 Eight-speed Steptronic transmission Gear ratios I 4.714 III :1 4.714 Gear ratios III :1 V :1 1.667 V :1 1.000 VI :1 0.667 R :1 3.317 Final drive :1 3.317 Final drive :1 3.317 Final drive :1 3.231 Performance Acceleration 0-100 km/h Acceleration 0-100 km/h s 7.9 Top speed km/h 140 140 Electric range (WLTP) km 53 - 61 BMW EfficientDynamics standard features BMW eDrive technology, Electric Power Steering, hybrid-specific Auto Star Stop function, Optimum Shift Indicator, ECC PRO and COMH		passenger, head	airbags front and rear, three-point inertia-reel seatbelts on all
with Servotronic function: optional: Integral Active Steering Steering ratio, overall :1 17.0 Types, front/rear 225/55 R17 101Y XL Rims, front/rear 7.5J x 17 light-alloy Transmission Eight-speed Steptronic transmission Gear ratios I :1 4.714 Gear ratios II :1 3.143 III :1 1.667 V :1 1.285 V :1 1.000 VI :1 0.467 VIII :1 0.467 R :1 3.317 Final drive :1 3.231 km/h 225 Acceleration 0-100 km/h s 7.9 Top speed km/h 225 Top speed (electric) km/h BMW EfficientDynamics BMW eDrive technology, Electric Power Steering, hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COM/POR mode with coasting function, Proactive Driving Assistant, BMW EfficientDynamics, regulated ornbined (NLTP) 1/100 km 1.9 – 1.7 <t< td=""><td></td><td>active from</td><td>nt head restraints, crash sensors, tyre pressure indicator</td></t<>		active from	nt head restraints, crash sensors, tyre pressure indicator
Steering ratio, overall :1 17.0 Tyres, front/rear 225/55 R17 101Y XL Rims, front/rear Transmission Transmission Eight-speed Steptronic transmission Gear ratios I :1 4.714 II :1 3.143 III :1 2.066 V :1 1.285 VI :1 1.000 VI :1 0.000 VIII :1 0.667 R :1 3.231 Performance	Steering		Electric Power Steering (EPS)
Tyres, front/rear 225/55 R17 101YXL Rms, front/rear 7.5J x 17 light-alloy Transmission Eight-speed Steptronic transmission Gear ratios I II 3.143 III 1 RN 1.1 III 1.667 V :1 III 0.667 R :1 Salard VIII III 3.231 Performance Acceleration Acceleration 0-100 km/h S 7.9 Top speed km/h Zop speed km/h Sale 61 EMW EfficientDynamics BMW EfficientDynamics BMW EfficientDynamics BMW EfficientDynamics BMW efficientLightward aerodynamic attributes, active ait flap control, or-demand operation of ancillary units, map-regulated o		W	ith Servotronic function; optional: Integral Active Steering
Transmission Tight-speed Steptronic transmission Gear ratios I :1 4.714 Gear ratios I :1 4.714 III :1 3.143 III :1 3.143 III :1 3.143 III :1 3.143 III :1 2.106 V :1 1.285 VI :1 0.839 VIII :1 0.667 R :1 3.317 Final drive :1 3.231 Performance Acceleration 0-100 km/h s Top speed km/h 225 Top speed (electric) km/h 140 Electric range (WLTP) km 53 - 61 BMW EfficientDynamics Start Stop function, Optimum Shift Indicator, ECO PRO and COMFOR mode with coasting function, Proactive Driving Assistant, BMW EfficientDynamics standard start Stop function, Optimum Shift Indicator, ECO PRO and COMFOR real	Steering ratio, overall	:1	17.0
Rims, front/rear 7.5J x 17 light-alloy Transmission Eight-speed Steptronic transmission Gear ratios I :1 4.714 Barratios II :1 3.143 III :1 3.143 III :1 3.143 III :1 3.143 III :1 2.106 V :1 1.667 V :1 1.285 VI :1 0.667 R :1 3.317 Final drive :1 3.231 Km/h 225 Top speed km/h 225 Top speed (electric) km/h 140 Electric range (WLTP) km 53 - 61 Start Stop function, Proactive Driving Assistant, BMW EfficientDynamics Start Stop function, Optimum Shift Indicator, ECO PRO and COMFOR mode with coasting function, Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flag control, on-demand operation of ancillary units, map-regulated oil pump, electric a/c compressor, differential with optimised warm-up behaviour, tyres with reduced ro	-		225/55 R17 101Y XL
Transmission Eight-speed Steptronic transmission Gear ratios I :1 4.714 III :1 3.143 III III :1 3.143 III III :1 1.066 III 1.066 IV :1 1.667 III 1.000 VI :1 1.0839 IIII 1.000 VII :1 0.839 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Rims, front/rear		7.5J x 17 light-alloy
Type of transmission Eight-speed Steptronic transmission Gear ratios I :1 4.714 III :1 3.143 III :1 2.106 IV :1 1.285 V :1 1.285 VI :1 0.667 R :1 3.317 Final drive :1 3.231 Performance Acceleration 0-100 km/h s 7.9 Top speed (electric) km/h 225 Top speed (electric) BMW EfficientDynamics Start Stop function, Proactive Driving Assistant, BMW EfficientDynamics standard features BMW EfficientDynamics daerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, electric act compressor, differential with optimised warm-up behaviour, tyres with reduced rolling resistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, electric act compressor, differential with optimised warm-up behaviour, tyres with reduced rolling resistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, electric act compressor, differential with optimised warm-up behaviour, tyres with reduced rolling resist			<u> </u>
Gear ratios I :1 4.714 III :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 Acceleration 0-100 km/h S 7.9 Top speed Acceleration 0-100 km/h s 7.9 Top speed km/h 225 10 Top speed km/h 140 140 Electric range (WLTP) km 53 - 61 Start Stop function, Optimum Shift Indicator, ECO PRO and COMFOR mode with coasting function, Proactive Driving Assistant, BMW EfficientDynamics Start Stop function, 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 Start Stop function, Questr			
II:1 3.143 III:1 3.143 IV:1 1.667 V:1 1.285 VI:1 1.285 VI:1 0.667 R:1 3.317 Final drive:1 3.231 PerformanceAcceleration $0-100 \text{km/h}$ S 7.9 Top speedkm/h 225 Top speed (electric)km/hElectric range (WLTP)kmBMW EfficientDynamicsBMW eDrive technology, Electric Power Steering, hybrid-specific AutoBMW EfficientDynamics standard featuresBMW eDrive technology, Electric Power Steering, hybrid-specific AutoBMW EfficientDynamics standard featuresBMW eDrive technology, Electric Power Steering, hybrid-specific AutoBMW EfficientDynamics standard featuresBMW eDrive technology, Electric Power Steering, hybrid-specific AutoBMW EfficientDynamics standard featuresBMW eDrive technology, Electric Power Steering, hybrid-specific AutoBMW EfficientDynamics standard featuresBMW eDrive technology, Electric Power Steering, hybrid-specific AutoBMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, electric ac compressor, differential with optimised wern-up behaviour, tyres with reduced rolling resistanceCosumption weighted combined (WLTP)I/100 km $1.9 - 1.7$ Fuel consumption weighted combined (WLTP)g/km $41 - 30$ Electric power consumption weighted combined (NEDC)g/km 4			
III:12.106IV:11.667V:11.285VI:11.000VII:10.639VIII:10.667R:13.317Final drive:13.231PerformanceAcceleration0-100 km/hAcceleration0-100 km/hSpeedkm/h225Top speedIop speed (electric)km/hKm/h140Electric range (WLTP)kmBMW EfficientDynamicsBMW EfficientDynamics standard featuresBMW EfficientDynamics standard featuresBMW 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 resistanceConsumption. weighted combined (NEDC)1/100 kmV100 km1.9 - 1.7Fuel consumption. weighted combined (WLTP)y/100 kmC02 emissions from fuel (NEDC)g/km43 - 39CO2 consumption weighted combined (WLTP)g/km41 - 30Electric power consumption weighted combined (NEDC)kWh/100 km15.1 - 14.5Electric power consumption weighted combined (WLTP)kWh/100 km18.2 - 16.318.2 - 16.3	Gear ratios I	:1	
IV:11.667V:11.285VI:11.000VII:10.839VIII:10.667R:13.317Final drive:13.231PerformanceAcceleration 0-100 km/h s 7.9Top speedkm/h225Top speedkm/h140BMW EfficientDynamicsBMW EfficientDynamics standardfag 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 resistanceConsumption. weighted combined (NEDC)VI00 km1.9 – 1.7Fuel consumption. weighted combined (WLTP)I/100 km1.8 – 1.3CO2 emissions from fuel (NEDC)Q2 emissions from fuel (NEDC)g/km41 – 30Electric power consumption weighted combined (NEDC)kWh/100 km15.1 – 14.5 <td>II</td> <td>:1</td> <td>3.143</td>	II	:1	3.143
V:11.285VI:11.000VII:10.667R:13.317Final drive:13.231PerformanceAcceleration0-100 km/hs7.9Top speedkm/h225Top speed (electric)km/h140Electric range (WLTP)km53 - 61BMW EfficientDynamicsBMW eDrive technology, Electric Power Steering, hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFOR mode with coasting function, Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air iffap control, on-demand operation of ancillary units, map-regulated oil pump, electric <i>alc</i> compressor, differential with optimised warm-up behaviour, tyres with reduced rolling resistanceConsumption ECE Fuel consumption. weighted combined (WLTP)I/100 km $1.9 - 1.7$ Fuel consumption. weighted combined (WLTP)I/100 km $1.8 - 1.3$ CO2 emissions from fuel (NEDC)g/km43 - 39CO2 emissions from fuel (WLTP)g/km41 - 30Electric power consumption weighted combined (NEDC)kWh/100 km $15.1 - 14.5$ Electric power consumption weighted combined (WLTP)kWh/100 km $18.2 - 16.3$:1	2.106
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 7.9 Top speed km/h 225 Top speed (electric) km/h 140 Electric range (WLTP) km 53 - 61 Start Stop function, Optimum Shift Indicator, ECO PRO and COMFOR Medit coasting function, Proactive Driving Assistant, BMW EfficientDynamics 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. weighted combined (NEDC) I/100 km 1.9 – 1.7 Fuel consumption. isage from the song song song song song song song song	IV	:1	1.667
VII :1 0.839 VIII :1 0.667 R :1 3.317 Final drive :1 3.231 Performance Acceleration 0–100 km/h s 7.9 Top speed km/h 225 Top speed (electric) km/h 140 Electric range (WLTP) km 53 – 61 BMW EfficientDynamics BMW EfficientDynamics standard features BMW eDrive technology, Electric Power Steering, hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFOR 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. weighted combined (NEDC) I/100 km 1.8 – 1.3 CO ₂ emissions from fuel (NEDC) g/km 43 – 39 CO ₂ emissions from fuel (MLTP) g/km 41 – 30 Electric power consumption weighted combined (NEDC) kWh/100 km weighted combined (NEDC) kWh/100 km 15.1 – 14.5	V	:1	1.285
VIII :1 0.667 R :1 3.317 Final drive :1 3.231 Performance Acceleration 0–100 km/h s 7.9 Top speed km/h 225 Top speed (electric) km/h 140 Electric range (WLTP) km 53 – 61 BMW EfficientDynamics BMW EfficientDynamics standard features BMW eDrive technology, Electric Power Steering, hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFOR ⁺ mode with coasting function, Proactive Driving Assistant, and the pump, electric a/c compressor, differential with 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. weighted combined (NEDC) I/100 km 1.9 – 1.7 Fuel consumption. weighted combined (WLTP) I/100 km 1.8 – 1.3 Q2, emissions from fuel (NEDC) Q2, emissions from fuel (WLTP) g/km 41 – 30 Electric power consumption weighted combined (NEDC) kWh/100 km MUM 15.1 – 14.5	VI	:1	1.000
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R :1 3.317 Final drive :1 3.231 Performance Acceleration 0-100 km/h s 7.9 Top speed km/h 225 5 Top speed (electric) km/h 140 140 Electric range (WLTP) km 53 - 61 53 - 61 BMW EfficientDynamics BMW eDrive technology, Electric Power Steering, hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFOR ⁻ 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. weighted combined (NEDC) I/100 km 1.9 - 1.7 Fuel consumption. weighted combined (NEDC) I/100 km 1.8 - 1.3 CO ₂ emissions from fuel (NEDC) g/km 43 - 39 202 CO ₂ emissions from fuel (NEDC) g/km 41 - 30 216 Electric power consumption weighted combined (NEDC) kWh/100 km 15.1 - 14.5	VIII	:1	0.667
Final drive :1 3.231 Performance Acceleration 0-100 km/h s 7.9 Top speed km/h 225 Top speed (electric) km/h 140 Electric range (WLTP) km 53 – 61 Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, BMW efficientDynamics standard features 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 I/100 km 1.9 – 1.7 Fuel consumption. weighted combined (NEDC) I/100 km 1.8 – 1.3 C02 emissions from fuel (NEDC) g/km 43 – 39 39 C02 emissions from fuel (WLTP) g/km 41 – 30 Start Stop Function, Start Stop Consumption Weighted combined (NEDC) kWh/100 km 15.1 – 14.5 Electric power consumption Weighted combined (NEDC) kWh/100 km 18.2 – 16.3			
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Electric power consumption weighted combined (WLTP) kWh/100 km 18.2 – 16.3			
weighted combined (WLTP) kWh/100 km 18.2 – 16.3	weighted combined (NEDC)	kWh/100 km	15.1 – 14.5
o	Electric power consumption		
Emission rating Euro 6d	weighted combined (WLTP)	kWh/100 km	18.2 - 16.3
	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 Sedan. 530e.

		BMW 530e Sedan
Dadu		
Body No of doors/seats		4/5
		4963 / 1868 / 1483
_ength/width/height ¹⁾ (unladen)	mm	
Vheelbase	mm	2975
rack, front/rear	mm	1604 / 1631
Ground clearance	mm	150
urning circle	m	12.0
uel tank capacity	approx. I	46
ngine oil ²⁾		5.25
Veight, unladen, to DIN/EU	kg	1835 / 1910
/lax load to DIN	kg	670
lax permissible weight	kg	2505
flax axle load, front/rear	kg	1120 / 1450
/lax trailer load,		
raked (12%)/unbraked	kg	1700 / 750
1ax roofload/max towbar download	kg	100/80
uggage comp capacity	Ĭ	410
ir 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
lax system output	kW/hp	215/292
flax system torgue	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		/W TwinPower Turbo technology: TwinScroll turbocharger, Higl cision Injection, VALVETRONIC fully variable valve timing, Doubl VANOS variable camshaft timing
		1998
Effective capacity	20	
Stroke/bore	mm	94.6/82.0
Compression ratio	:1	11.0
	1.1.4.7	min. RON 91
Aax output	kW/hp	135 / 184
t	rpm	5000 – 6500
/lax torque	Nm	300
t	rpm	1350 – 4000
Dutput per litre	kW/I	67.6
lectric Motor		
Aotor technology	BM	IW eDrive technology: synchronous electric motor integrated int eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery
/lax output	kW/hp	80 / 109
t	rpm	3140
flax torque	Nm	265
t	rpm	100 – 2500
High-voltage Battery		Lithium ion (underneeth rear secto
Storage technology/installation	11	Lithium-ion / underneath rear seats
/oltage	V	354
Energy capacity (gross)	kWh	12.0
Charging time for 100% charge		3.6 h at 3.7 kW (16 A / 230 V)

Driving Dynamics and Safety Double-wishbone akl in aluminium construction with separate lower track an small steering roll radus, transverse force compensation, anti-dive Supension, rear Double-wishbone akl in aluminium construction Stakes, front Eve-link akl in aluminium construction Brakes, rear Driving stability systems Standard to brakes, with single-piston floating calipers Driving stability systems Standard to SC incl. Abs, ASC and D CF (Dynamic Earcher Control), DBG (Dynamic Brake Control), DBG (Dynamic Adaptive suspension seats with beit stopper, blead airbags for niver and front passenger, side airbags for diver and front passenger, side airbags for diver and front passenger, side airbags for diver and front passenger, side airbags for niver and front passenger, side airbags for niver and front passenger. Side airbags for niver and front passenger. Steering Electric Power Steering (EPS) with Servotronic function; optional: Integral Active Steering Electric Power Steering (EPS) Transmission 1 1 Type of transmission Electric Power Steering (EPS) With Servotronic function; optional: Integral Active Steering IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII			BMW 530e Sedan
Suspension, front Double-wikhbone axe in aluminium construction with separate lower track an small steering or indux, transverse force compensation, anti-dive Suspension, rear Five-link axle in aluminium construction Brakes, rear Vented disc brakes, with four-piston fixed calipers Brakes, rear Vented disc brakes, with four-piston fixed calipers Driving stability systems Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), DB (Connemic Brake Control), DP Braking function, Start-Off Assistant; optional: Adaptite suspension seats with beit stopper, beit tensioner and belt force limiter at the front, cras active front head restraints, crash sensors, tyre pressure indicator Steering Electric Power Steering (EPS) With Servitoring function, optional: Integral Active Steering Transmission Types, front/rear 7.5J x 17 light-alloy Transmission Eight-speed Steptronic transmission Gear ratios I 1 3.143 III 1 2.106 VI 1 1.000 VI 1 3.000 1 Transmission Eight-speed Steptronic transmission Gear ratios I 1 3.143 1 3.143 <th< th=""><th>Driving Dynamics and Safety</th><th></th><th></th></th<>	Driving Dynamics and Safety		
Suspension, rear Five-link axle in aluminium construction Brakes, front Vented disc brakes, with single-piston floating callipers Driving stability systems Standard: DSC incl. ABS, ASC and DTC (Oynamic Traction Control), CBC (Ornamic Brake Control), DP Braking function), DBC (Dynamic Brake Control), DP Braking function), DBC (Dynamic Brake Control), DP Braking function), DBC (Dynamic Brake Control), DP Braking function, PB Braken, PB		Double-wishbone	e axle in aluminium construction with separate lower track arm,
Brakes, font Vented disc brakes, with single-piston floating callipers Brakes, rear Vented disc brakes, with single-piston floating callipers Driving stability systems Standard: DSC incl. ABS, ASC and DTC (Dynamic Brake Control), DP Drawing floating Compensations, Stant-Off Acadims exupance Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and for passenger, head airbags for driver and for three posit interia-reel seatbelts on seats with belt stopper, belt tensioner and belt force limiter at the seatbelts on seats with belt stopper, belt tensioner and belt force limiter at the seatbelts on seats with belt stopper, belt tensioner and belt force limiter at the seatbelts on seats with servetronic function; optional: Integral Active Steering Steering ratio, overall Steering ratio, overall 1 Transmission Eight-speed Steptronic transmission Gar ratios 1 III 2.106 IV 1 IV 1 IV 1 III 1.1000 Vi 1 VI 1 IV 1 IV 1 IV 1 IV 1 IV 1 IV 1 <tr< td=""><td></td><td>small stee</td><td>ing roll radius, transverse force compensation, anti-dive</td></tr<>		small stee	ing roll radius, transverse force compensation, anti-dive
Brakes, rear Vented disc brakes, with single-piston floating calipers Driving stability systems Standard: DSC incl. ABS, ASC and DTC (Dynamic Brack control), DB (Cornering Brake Control), DB (Dynamic Brack control), DD (Dynamic Brack control), DD (Dynamic Brack control), DD (Dynamic Brack control), DP (Dynamic Brack control), DP (Dynan), Brack control, DD	Suspension, rear		Five-link axle in aluminium construction
Driving stability systems Standard: DSC incl. ABS, ASC and DTC (Dynamic Tracton Control), DEC (Dynamic Brake Control), DPC Dynamic Brake Control), DPC Dynamic Brake Control), DPC Dynamic Brake Control, DPC Dynamic Brake Contense, PCD Dynamic Brake Control, DPC Dynamic Brake Control, CPC Dynamic Brake Control, DPC Dynamic Brake Con	Brakes, front		Vented disc brakes, with four-piston fixed callipers
Driving stability systems Standard: DSC incl. ABS, ASC and DTC (Dynamic Tracton Control), DEC (Dynamic Brake Control), DPC Dynamic Brake Control), DPC Dynamic Brake Control), DPC Dynamic Brake Control, DPC Dynamic Brake Contense, PCD Dynamic Brake Control, DPC Dynamic Brake Control, CPC Dynamic Brake Control, DPC Dynamic Brake Con	Brakes, rear	V	ented disc brakes, with single-piston floating callipers
(Cornering Brake Control), DBC (Dynamic Brake Control), DPR king funct Fading Compensation, Start-Off Assistant; optional: Adaptive suspension Safety equipment Standard: airbags for driver and finot passenger, side airbags for driver and finot possenger, side airbags for driver and finot, crass settive front head restraints, crash sensors, tyre pressure indicator Steering Electric Power Steering (EPS) with bet stopper, belt tensioner and bet force limiter at the front, crass active front head restraints, crash sensors, tyre pressure indicator Steering Electric Power Steering (EPS) with Servotronic function: optional: Integral Active Steering Tyres, front/rear 7.53 k17 light-alloy Transmission Eight-speed Steptronic transmission Gear ratios I 1 Type of transmission Eight-speed Steptronic transmission Gear ratios I 1 III :1 2.106 IV :1 1.667 V :1 1.087 VI :1 0.667 VII :1 3.317 Final drive :1 3.231 Performance S.9 Top speed Acceleration 0-100 km/h \$.9 Top speed km/h 1.40 <tr< td=""><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td></td></tr<>	· · · · · · · · · · · · · · · · · · ·		
Safety equipment Standard: airbags for driver and f ton tp assenger, side airbags for driver and f ton tp assenger, head airbags front and rear, three-point inertia-reel seatbelts on seats with belt stopper, belt tensioner and belt force limiter at the front, cras active front head restraints, crash sensors, tyre pressure indicator Steering Electric Power Steering (EPS) with Servotronic function: optional: Integral Active Steering Steering Strentrear 225/55 R17 101Y XL Rins, front/rear 225/55 R17 101Y XL Rins, front/rear 7.5J x 17 light-alloy Transmission Eight-speed Steptronic transmission Gear ratios I 4.714 II 1 2.106 V :1 1.667 V :1 1.000 VI :1 0.667 VI :1 3.231 Performance Imm 5.9 Top speed (electric) km/h 235 MW EfficientDynamics BMW EfficientDynamics standard features Start Stop function, Optimus Shift Indicar, ECO PRO and COMCC mode with coasting function, Proactive Driving Assistant, BMW EfficientDynamics standard features BMW EfficientDynamics dearodynamic athwarp up wheavour, tyres with reduced rolling resistance Cosumption I/100 km		(Cornering Brak	e Control), DBC (Dynamic Brake Control), Dry Braking function,
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Electric power consumption	Electric power consumption		
	weighted combined (NEDC)	kWh/100 km	14.9 – 13.8
	Electric power consumption		
	weighted combined (WLTP)	kWh/100 km	18.3 – 16.2
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 Sedan. 530e xDrive.

		BMW 530e xDrive 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	146
Turning circle	m	12.4
Fuel tank capacity	approx. I	46
Engine oil ²⁾		5.25
Weight, unladen, to DIN/EU	kg	1895 / 1970
Max load to DIN	kg	665
Max permissible weight	kg	2560
Max axle load, front/rear	kg	1170 / 1455
Vax trailer load,		
braked (12%)/unbraked	kg	2000 / 750
Vlax roofload/max towbar download	kg	100/80
_uggage comp capacity		410
Air resistance	c _d x A	0.24 x 2.35
Power Unit		
Drive concept		Full-hybrid drive, drive torque from engine or electric motor or
•		both transmitted to all four wheels via BMW xDrive
Vlax system output	kW/hp	215/292
Aax system torque	Nm	420
System power-to-weight ratio (DIN)	kg/kW	8.8
Petrol Engine		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: TwinScroll turbocharger, High
	F	recision 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
Vlax output	kW/hp	135 / 184
at	rpm	5000 – 6500
Max torque	Nm	300
at	rpm	1350 – 4000
Dutput per litre	kW/I	67.6
Electric Motor		
Motor technology	E	BMW 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
it	rpm	3140
Max torque	Nm	265
viax torque	rpm	100 - 2500
	· 1 - · · ·	
High-voltage Battery		
Storage technology/installation		Lithium-ion / underneath rear seats
Voltage	V	354
Energy capacity (gross) Charging time for 100% charge	kWh	12.0 3.6 h at 3.7 kW (16 A / 230 V)

	BMW 530e xDrive Sedan			
Driving Dynamics and Safety				
Suspension, front		axle in aluminium construction with separate lower track arm,		
	small steerin	g roll radius, transverse force compensation, anti-dive		
Suspension, rear		Five-link axle in aluminium construction		
Brakes, front		/ented disc brakes, with four-piston fixed callipers		
Brakes, rear		nted disc brakes, with single-piston floating callipers		
Driving stability systems		incl. ABS, ASC and DTC (Dynamic Traction Control), CBC		
		Control), DBC (Dynamic Brake Control), Dry Braking function		
	Fading Compensa	ation, Start-Off Assistant, all-wheel-drive system xDrive linked		
		with DSC; optional: Adaptive suspension		
Safety equipment		for driver and front passenger, side airbags for driver and fror		
		airbags front and rear, three-point inertia-reel seatbelts on all		
		opper, belt tensioner and belt force limiter at the front, crash-		
<u>.</u>	active from	t head restraints, crash sensors, tyre pressure indicator		
Steering		Electric Power Steering (EPS)		
		h 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		
I	: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	5.9		
Top speed	km/h	230		
Top speed (electric)	km/h	140		
Electric range (WLTP)	km	47 – 55		
	NIII	47 - 35		
BMW EfficientDynamics				
BMW EfficientDynamics standard	BMW eDrive technology, Electric Power Steering, hybrid-specific Auto			
features		function, Optimum Shift Indicator, ECO PRO and COMFOR		
		de with coasting function, Proactive Driving Assistant,		
		cientLightweight, optimised aerodynamic attributes, active air		
		ol, on-demand operation of ancillary units, map-regulated oil		
		lectric a/c compressor, efficiency-optimised all-wheel drive,		
	differential with optimised warm-up behaviour, tyres with reduced rolling resistance			
		IESISLAIICE		
Consumption ECE				
Fuel consumption.	1/1001	21 20		
weighted combined (NEDC)	l/100 km	2.1 - 2.0		
Fuel consumption.	1/1001	0.0 1.0		
weighted combined (WLTP)	l/100 km	2.2 - 1.6		
CO ₂ emissions from fuel (NEDC)	g/km	49-46		
CO ₂ emissions from fuel (WLTP)	g/km	49 - 36		
Electric power consumption		105 150		
weighted combined (NEDC)	kWh/100 km	16.5 – 15.9		
Electric power consumption	k///b/100.km	10.4 17.4		

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

kWh/100 km

¹⁾ Height including roof fin
 ²⁾ Oil change

weighted combined (WLTP)

Emission rating

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.

19.4 - 17.4 Euro 6d

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 Sedan. 545e xDrive.

		BMW 545e xDrive Sedan
Dadu		
Body No of doors/seats		4/5
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1483
Wheelbase		2975
Track, front/rear	mm	1604 / 1631
Ground clearance	mm	146
Turning circle	m	12.4
Fuel tank capacity		46
Engine oil 2)	approx. I	6.5
°		1945 / 2020
Weight, unladen, to DIN/EU Max load to DIN	kg	
	kg	<u> </u>
Max permissible weight	kg	
Max axle load, front/rear	kg	1205 / 1455
Max trailer load,	l.e.	2000/250
braked (12%)/unbraked	kg	2000 / 750
Max roofload/max towbar download	kg	100/80
Luggage comp capacity		410
Air resistance	c _d x A	0.24 x 2.35
Power Unit		
Drive concept		Full-hybrid drive, drive torque from engine or electric motor or both transmitted to all four wheels via BMW xDrive
Max system output	kW/hp	290/394
Max system torque	Nm	60
System power-to-weight ratio (DIN)	kg/kW	6.7
Petrol Engine		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: TwinScroll turbocharger, High
		recision 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	210/286
at	rpm	5000 - 6000
Max torque	Nm	450
at		1600 – 3500
Output per litre	rpmkW/I	70.1
	6.00/1	70.1
Electric Motor		
Motor technology	E	BMW 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		
nigh-vollage ballery		Lithium-ion / underneath rear seats
<u> </u>		
Storage technology/installation	V	354
Storage technology/installation	V kWh	

		BMW 545e xDrive Sedan
Driving Dynamics and Safety		
Suspension, front	Double-wishbone a	xle in aluminium construction with separate lower track arm,
	small steerin	g roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium construction
Brakes, front	V	ented disc brakes, with four-piston fixed callipers
Brakes, rear	Ver	ted disc brakes, with single-piston floating callipers
Driving stability systems		incl. ABS, ASC and DTC (Dynamic Traction Control), CBC
	(Cornering Brake (Control), DBC (Dynamic Brake Control), Dry Braking function tion, Start-Off Assistant, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension
Safety equipment	passenger, head a seats with belt sto	or driver and front passenger, side airbags for driver and fron airbags front and rear, three-point inertia-reel seatbelts on all opper, belt tensioner and belt force limiter at the front, crash- head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS)
-	wit	h 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
		7.55 × 17 light-alloy
Transmission		
Type of transmission		Eight-speed Steptronic transmission
Gear ratios I	:1	4.714
II	: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
-inal drive	:1	3.231
Performance		
Acceleration 0–100 km/h	S	4.6
Top speed	km/h	250
Top speed (electric)	km/h	140
Electric range (WLTP)	km	47 – 57
	NIII	47 - 57
BMW EfficientDynamics		
BMW EfficientDynamics standard features	Start Stop f mo BMW Effic flap contro pump, el	ve technology, Electric Power Steering, hybrid-specific Auto function, Optimum Shift Indicator, ECO PRO and COMFORT de with coasting function, Proactive Driving Assistant, ientLightweight, optimised aerodynamic attributes, active air ol, on-demand operation of ancillary units, map-regulated oil ectric a/c compressor, efficiency-optimised all-wheel drive, with optimised warm-up behaviour, tyres with reduced rolling resistance
Consumption ECE		
Fuel consumption.		
weighted combined (NEDC)	l/100 km	2.3 - 2.2
Fuel consumption.	1/100 km	22.16
weighted combined (WLTP)	l/100 km	2.2 – 1.6
CO ₂ emissions from fuel (NEDC)	g/km	53 - 49
CO ₂ emissions from fuel (WLTP)	g/km	51 – 37
Electric power consumption		
weighted combined (NEDC)	kWh/100 km	16.3 – 15.8
Electric power consumption		
weighted combined (M/LTP)	kMb/100 km	10.2 - 17.2

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

kWh/100 km

¹⁾ Height including roof fin
 ²⁾ Oil change

weighted combined (WLTP)

Emission rating

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.

19.2 – 17.2

Euro 6d

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 Sedan. 520d.

		BMW 520d Sedan
Body		
No of doors/seats		4/5
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1479
Wheelbase	mm	2975
Track, front/rear		1605 / 1630
Ground clearance	mm	144
Turning circle	mm m	12.0
		66
Engine oil ²⁾	pprox. I	5.5
Weight, unladen, to DIN/EU	ka	
Max load to DIN	kg	670
	kg	2345
Max permissible weight	kg	1100 / 1320
Max axle load, front/rear	kg	110071320
Max trailer load,		2000 / 750
braked (12%)/unbraked	kg	2000 / 750
Max roofload/max towbar download		100/90
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 / 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
Effective capacity		
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel	114/0	Diesel
Max output	kW/hp	140 / 190
at	rpm	4000
Max torque	Nm	400
at	rpm	1750 – 2500
48V mild hybrid technology	1.1.4.//1.	0.111
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
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: Dynamic Damper Control,
		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),
3		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

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			BMW 520d Sedan
Transmission			
Type of transmission	I		Eight-speed Steptronic transmission
Gear ratios	I	:1	5.250
		:1	3.360
		: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 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 EfficientDynan		М	ild hybrid technology with 48V starter-generator, Brake Energy Regeneratior
standard features			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, 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	5.0 - 4.8	
Extra-urban (NEDC)	l/100 km	3.9 – 3.7	
Combined (NEDC)	l/100 km	4.3 – 4.1	
Combined (WLTP)	l/100 km	5.6 - 4.7	
CO ₂ (NEDC)	g/km	112 – 108	
CO ₂ (WLTP)	g/km	145 – 124	
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

BMW 5 Series Sedan. 520d xDrive.

		BMW 520d 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
	pprox. I	66
Engine oil ²⁾	1	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,	ĸġ	113071330
braked (12%)/unbraked	ka	2000 / 750
Max roofload/max towbar download	kg I kg	100 / 90
	i ky	530
Luggage comp capacity		
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: 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	ipin	1700 2000
Max output	kW/hp	8/11
Electrical System		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
	<u> </u>	
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
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,
	I	Fading Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked
<u></u>		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 520d xDrive Sedan
Transmission			
Type of transmission	า		Eight-speed Steptronic transmission
Gear ratios	I	:1	5.250
	11	:1	3.360
		: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 rat	io (DIN)	kg/kW	12.4
Output per litre		kW/I	70.2
Acceleration 0-	100 km/h	S	7.2
Top speed		km/h	232
BMW EfficientDyr	namics		
BMW EfficientDynar		М	ild hybrid technology with 48V starter-generator, Brake Energy Regeneration
standard features			th recuperation display, Auto Start Stop function, ECO PRO and COMFOR 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	5.2 – 5.1	
Extra-urban (NEDC)	l/100 km	4.1 – 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	118 – 114	
CO ₂ (WLTP)	g/km	152 – 131	
Emission rating		Euro 6d	

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

Height including roof fin
 Oil change

BMW 5 Series Sedan. 530d.

		BMW 530d Sedan
Body No of doors/seats		4/5
Length/width/height ¹⁾ (unladen)		
Wheelbase	mm mm	
Track, front/rear		
Ground clearance	mm mm	
Turning circle	m	
*	pprox. l	
Engine oil ²⁾	1 <u>, 100 100 1</u>	7.0
Weight, unladen, to DIN/EU	kg	
Max load to DIN	kg	
Max permissible weight	kg	
Max axle load, front/rear	kg	
Max trailer load,	- Ng	120011000
braked (12%)/unbraked	kg	2000 / 750
Max roofload/max towbar download		
Luggage comp capacity	<u> </u>	
Air resistance	Cd X A	
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	An/-	
	AII/-	r r / 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
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),
2		optional: Integral Active Steering
	,1	
Steering ratio, overall	:1	11.0
Steering ratio, overall Tyres, front/rear	. 1	225/55 R17 101Y XL

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			BMW 530d Sedan
Transmission			
Type of transmission	1		Eight-speed Steptronic transmission
Gear ratios		:1	5.500
		: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 rati	o (DIN)	kg/kW	8.4
Output per litre		kW/l	70.2
Acceleration 0-	100 km/h	S	5.6
Top speed		km/h	250
BMW EfficientDyn	amics		
BMW EfficientDynan			Id hybrid technology with 48V starter-generator, Brake Energy Regeneration
standard features		wi	th 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	5.9 – 5.8	
Extra-urban (NEDC)	l/100 km	3.9 – 3.7	
Combined (NEDC)	l/100 km	4.7 – 4.5	
Combined (WLTP)	l/100 km	5.8 – 5.1	
CO ₂ (NEDC)	g/km	123 – 118	
CO ₂ (WLTP)	g/km	153 – 133	
Emission rating		Euro 6d	

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

¹⁾ Height including roof fin ²⁾ Oil change

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
Wheelbase	mm	2975
Track, front/rear	mm	
Ground clearance	mm	
Turning circle	mm m	
*	approx. I	66
Engine oil ²⁾	1.x01qq	7.0
Weight, unladen, to DIN/EU	kg	1820 / 1895
Max load to DIN	kg	
Max permissible weight	kg	
Max axle load, front/rear	kg	1250 / 1360
Max trailer load,	ĸy	12307 1300
braked (12%)/unbraked	kg	2000 / 750
Max roofload/max towbar download		
Luggage comp capacity	<u>, ng</u>	530
Air resistance	Cd X A	
All Tesistance	Ud X A	0.23 % 2.33
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	
Stroke/bore	mm	
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	210/286
at	rpm	
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
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

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			BMW 530d xDrive Sedan	
Transmission				
Type of transmi	ssion		Eight-speed Steptronic transmission	
Gear ratios	I	:1	5.500	
		: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	8.7	
Output per litre		kW/I	70.2	
Acceleration	0–100 km/h	S	5.4	
Top speed		km/h	250	
BMW Efficient	Dynamics			
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		
			node with coasting function, Proactive Driving Assistant, Optimum Sh	

mode with coasting function, Proactive riving Assi: 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	6.3 – 6.1		
Extra-urban (NEDC)	l/100 km	4.2 - 4.0		
Combined (NEDC)	l/100 km	5.0 - 4.8		
Combined (WLTP)	l/100 km	6.2 - 5.4		
CO ₂ (NEDC)	g/km	131 – 126		
CO ₂ (WLTP)	g/km	161 – 141		
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

BMW 5 Series Sedan. 540d xDrive.

		BMW 540d xDrive Sedan			
Body					
No of doors/seats		4/5			
Length/width/height 1)	mm	4963 / 1868 / 1479			
(unladen)	11011	49037100071479			
Wheelbase	mm	2975			
Track, front/rear	mm	1605 / 1630			
Ground clearance	mm	139			
Turning circle	m	12.4			
Fuel tank capacity		66			
Engine oil 2)	approx. I	7.0			
Weight, unladen, to DIN/EU	kg	1850 / 1925			
Max load to DIN	kg	675			
Max permissible weight	×	2525			
Max axle load, front/rear	kg	1270 / 1360			
,	kg	12707 1300			
Max trailer load,	ka	2000 / 750			
braked (12%)/unbraked	kg				
Max roofload/max towbar dow	vnload kg I	<u> </u>			
Luggage comp capacity	-				
Air resistance	c _d x A	0.23 x 2.35			
Power Unit					
Power Unit					
Config/No of cyls/valves	DM	In-line / 6 / 4			
Engine technology		W TwinPower Turbo technology: multi-stage turbocharging, high- and low-			
	ķ	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	1.1.4.10	0.144			
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 Saf	ety				
Suspension, front	Dou	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	Sta	ndard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering			
0 7 7		Brake Control), DBC (Dynamic Brake Control), Dry Braking function,			
	Fad	ling Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked			
		with DSC; optional: Adaptive suspension, Adaptive Drive			
Safety equipment	S	tandard: airbags for driver and front passenger, side airbags for driver and			
	fro	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,			
	on				
		crash-active front head restraints, crash sensors, tyre pressure indicator			
Steering					
Steering		crash-active front head restraints, crash sensors, tyre pressure indicator			
Steering Steering ratio, overall		crash-active front head restraints, crash sensors, tyre pressure indicator Electric Power Steering (EPS),			
		crash-active front head restraints, crash sensors, tyre pressure indicator Electric Power Steering (EPS), optional: Integral Active Steering			

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			BMW 540d xDrive Sedan	
Transmission				
Type of transmis	sion		Eight-speed Steptronic transmission	
Gear ratios		:1	5.500	
		: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	7.4	
Output per litre		kW/I	83.5	
Acceleration	0–100 km/h	S	4.6	
Top speed		km/h	250	
BMW Efficient	Dynamics			
BMW EfficientDynamics		Mild hybrid technology with 48V starter-generator, Brake Energy Regeneratior		
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, BMW Blue Performance technology with SCR catalytic converter

Fuel Consumption ECE			
Urban (NEDC)	l/100 km	6.6 - 6.5	
Extra-urban (NEDC)	l/100 km	4.3 - 4.2	
Combined (NEDC)	l/100 km	5.2 – 5.0	
Combined (WLTP)	l/100 km	6.4 – 5.5	
CO ₂ (NEDC)	g/km	136 – 132	
CO ₂ (WLTP)	g/km	167 – 145	
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