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



		DMW 500: 0 - 4		
		BMW 520i Sedan		
Body				
No of doors/seats		4/5		
Length/width/height 1)	mm	4963 / 1868 / 1479		
(unladen)				
Wheelbase	mm	2975		
Track, front/rear	mm	1605 / 1630		
Ground clearance	mm	144		
Turning circle	m	12.0		
Fuel tank capacity	approx. I	68		
Engine oil ²⁾		5.25		
Weight, unladen, to DIN/EU	kg	1610 / 1685		
Max load to DIN	kg	675		
Max permissible weight	kg	2285		
Max axle load, front/rear	kg	1080 / 1280		
Max trailer load,	kg			
braked (12%)/unbraked		2000 / 750		
Max roofload/max towbar	kg	100 / 90		
download				
Luggage comp capacity		530		
Air resistance	c _d x A	0.23 x 2.35		
Power Unit				
Config/No of cyls/valves		In-line / 4 / 4		
Engine technology		BMW TwinPower Turbo technology: twin-scroll turbocharger, High Precision		
3		Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable		
		camshaft timing		
Effective capacity	СС	1998		
Stroke/bore	mm	94.6 / 82.0		
Compression ratio	:1	11.0		
Fuel		Min. RON 91		
Max output	kW/hp	135 / 184		
at	rpm	5000 - 6500		
Max torque	Nm	290		
at	rpm	1350 – 4250		
48V mild hybrid technology				
Max output	kW/hp	8/11		
·				
Electrical System				
12V battery/installation	Ah/–	90 / luggage compartment		
48V battery/installation	Ah/–	11 / engine compartment		
*		· ·		
Driving Dynamics and Safe	ety			
Suspension, front	D	ouble-wishbone axle in aluminium construction with separate lower track arm,		
		small steering roll radius, transverse force compensation, anti-dive		
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing		
Brakes, front		Vented disc brakes, with four-piston fixed callipers		
Brakes, rear		Vented disc brakes, with single-piston floating callipers		
Driving stability systems	S	tandard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering		
		Brake Control), DBC (Dynamic Brake Control), Dry Braking function,		
		Fading Compensation, Start-Off Assistant;		
		optional: Adaptive suspension, Adaptive Drive		
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and			
	f	front passenger, head airbags front and rear, three-point inertia-reel seatbelts		
		on all seats with belt stopper, belt tensioner and belt force limiter at the front,		
		crash-active front head restraints, crash sensors, tyre pressure indicator		
Steering		Electric Power Steering (EPS),		
		optional: Integral Active Steering		
Steering ratio, overall	:1	17.0		
Steering ratio, overall Tyres, front/rear	:1	17.0 225/55 R17 101Y XL		

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			BMW 520i Sedan
Transmission			
Type of transmissio	n		Eight-speed Steptronic transmission
Gear ratios	1	:1	5.250
		:1	3.360
		:1	2.172
	IV	:1	1.720
	V	:1	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929
Performance			
Power-to-weight rat	io (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 EfficientDynamics

BMW EfficientDynamics standard features

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

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

¹⁾ Height including roof fin ²⁾ Oil change

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

The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO₂ emissions, the CO₂ values may differ from the values stated here (depending on national legislation).

The new BMW 5 Series Sedan. M550i xDrive.

		BMW M550i xDrive Sedan
Body		
Body No of doors/seats		4/5
Length/width/height ¹⁾ (unladen)	mm	4972 / 1868 / 1467
Wheelbase	mm	2975
Track, front/rear	mm	1600 / 1597
Ground clearance	mm	131
Turning circle	m	12.4
Fuel tank capacity	approx. I	68
Engine oil 2)	1	10.5
Weight, unladen, to DIN/EU	kg	1915 / 1990
Max load to DIN	kg	645
Max permissible weight	kg	2560
Max axle load, front/rear	kg	1260 / 1365
Max trailer load, braked (12%)/unbraked	kg	2000 / 750
Max roofload/max towbar download	kg	100 / 90
Luggage comp capacity		530
Air resistance	c _d x A	0.28 x 2.35
Power Unit		
Config/No of cyls/valves		V/8/4
Engine technology		BMW TwinPower Turbo technology: twin-scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	CC	4395
Stroke/bore	mm	88.3 / 89.0
Compression ratio	:1	10.5
Fuel		Min. RON 91
Max output	kW/hp	390 / 530
at	rpm	5500 – 6000
Max torque	Nm	750
at	rpm	1800 – 4600
Electrical System		
Battery/installation	Ah/–	90 / luggage compartment
Driving Dynamics and Safe	tv	
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked with DSC, Adaptive M suspension; optional: Adaptive Drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and
- · · ·		front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS), optional: Integral Active Steering
Steering ratio, overall	:1	16.5
Tyres, front/rear		245/40 R19 98Y XL / 275/35 R19 100Y XL
Rims, front/rear		8J x 19 light-alloy / 9J x 19 light-alloy

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			BMW M550i xDrive Sedan
Transmission			
Type of transmission	1		Eight-speed Steptronic transmission
Gear ratios	I	:1	5.500
		:1	3.520
		:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	2.813
Performance			
Power-to-weight rati	o (DIN)	kg/kW	4.9
Output per litre		kW/I	88.7
Acceleration 0-2	100 km/h	S	3.8
Top speed		km/h	250
BMW EfficientDyn	amice		
BMW EfficientDynan		Brake Ene	ergy Regeneration with recuperation display. Auto Start Stop funct

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

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

¹⁾ Height including roof fin ²⁾ Oil change

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

The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO₂ emissions, the CO₂ values may differ from the values stated here (depending on national legislation).

The new BMW 5 Series Sedan. 530e.

		BMW 530e Sedan	
Body			
No of doors/seats		4/5	
Length/width/height ¹⁾ (unladen)	mm	4963 / 1868 / 1483	
Wheelbase	mm	2975	
Track, front/rear	mm	1604 / 1631	
Ground clearance	mm	150	
Turning circle	m	12.0	
Fuel tank capacity	approx. I	46	
Engine oil 2)		5.25	
Weight, unladen, to DIN/EU	kg	1835 / 1910	
Max load to DIN	kg	670	
Max permissible weight	kg	2505	
Max axle load, front/rear	kg	1120 / 1450	
Max trailer load,			
braked (12%)/unbraked	kg	1700 / 750	
Max roofload/max towbar download	kg	100 / 80	
Luggage comp capacity	<u>j</u>	410	
Air resistance	c _d x A	0.23 x 2.35	
Power Unit			
Drive concept		Full-hybrid drive, drive torque from engine or electric motor or both transmitted to the rear wheels	
Max system output	kW/hp	215/292	
Max system torque	Nm	420	
System power-to-weight ratio (DIN)	kg/kW	8.5	
Petrol Engine			
Config/No of cyls/valves		In-line / 4 / 4	
Engine technology	BMW TwinPower Turbo technology: TwinScroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double VANOS variable camshaft timing		
Effective capacity	СС	1998	
Stroke/bore	mm	94.6 / 82.0	
Compression ratio	:1	11.0	
Fuel		min. RON 91	
Max output	kW/hp	135 / 184	
at	rpm	5000 - 6500	
Max torque	Nm	300	
at	rpm	1350 - 4000	
Output per litre	kW/I	67.6	
Electric Motor			
Motor technology	BM	W eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery	
Max output	kW/hp	80 / 109	
at	rpm	3140	
Max torque	Nm	265	
at	rpm	100 – 2500	
High-voltage Battery			
Storage technology/installation		Lithium-ion / underneath rear seats	
Voltage	V	354	
Energy capacity (gross)	kWh	12.0	
Energy subdoity (gross)			

		BMW 530e Sedan				
Driving Dynamics and Safety						
Suspension, front		axle in aluminium construction with separate lower track arm,				
,,		ng roll radius, transverse force compensation, anti-dive				
Suspension, rear		Five-link axle in aluminium construction				
Brakes, front	N	Vented disc brakes, with four-piston fixed callipers				
Brakes, rear	Ve	nted disc brakes, with single-piston floating callipers				
Driving stability systems		incl. ABS, ASC and DTC (Dynamic Traction Control), CBC				
0, , ,		Control), DBC (Dynamic Brake Control), Dry Braking function,				
	Fading Compe	ensation, Start-Off Assistant; optional: Adaptive suspension				
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 st	copper, belt tensioner and belt force limiter at the front, crash-				
	active fron	t head restraints, crash sensors, tyre pressure indicator				
Steering		Electric Power Steering (EPS)				
		th Servotronic function; optional: Integral Active Steering				
Steering ratio, overall	:1	17.0				
Tyres, front/rear		225/55 R17 101Y XL				
Rims, front/rear		7.5J x 17 light-alloy				
Transmission						
Type of transmission		Eight-speed Steptronic transmission				
Gear ratios I	:1	4.714				
	:1	3.143				
	:1	2.106				
IV	:1	1.667				
V	:1	1.285				
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	235				
Top speed (electric)	km/h	140				
Range (electric)	km	62 - 67				
BMW EfficientDynamics						
BMW EfficientDynamics standar		rive technology, Electric Power Steering, hybrid-specific Auto				
features	Start Stop	function, Optimum Shift Indicator, ECO PRO and COMFORT				

features

Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, electric a/c compressor, differential with optimised warm-up behaviour, tyres with reduced rolling resistance

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

1) Height including roof fin ²⁾ Oil change

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The new BMW 5 Series Sedan. 530e xDrive.

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

			BMW 530e xDrive Sedan			
Driving Dyna	mics and Safety					
Suspension, fro		Double-wishbone a	xle in aluminium construction with separate lower track arm,			
, ,			g roll radius, transverse force compensation, anti-dive			
Suspension, re	ar		Five-link axle in aluminium construction			
Brakes, front		V	ented disc brakes, with four-piston fixed callipers			
Brakes, rear			ted disc brakes, with single-piston floating callipers			
Driving stability	v systems	(Cornering Brake (Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking functior Fading Compensation, Start-Off Assistant, all-wheel-drive system xDrive linker with DSC;			
Safety equipm	ont	Standard: airbaga f	optional: Adaptive suspension or driver and front passenger, side airbags for driver and fron			
Salety equipm	ent	passenger, head a seats with belt sto	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/rea	ar		225/55 R17 101Y XL			
Rims, front/rea	r		7.5J x 17 light-alloy			
Transmissior	า					
Type of transm	nission		Eight-speed Steptronic transmission			
Gear ratios		:1	4.714			
	I	:1	3.143			
		:1	2.106			
	IV	:1	1.667			
	V	:1	1.285			
	VI	:1	1.000			
	VII	:1	0.839			
	VIII	:1	0.667			
	R	:1	3.317			
Final drive		:1	3.231			
Performance						
Acceleration	0–100 km/h	S	5.9			
Top speed		km/h	230			
Top speed (ele	ectric)	km/h	140			
Range (electric	:)	km	56 - 58			
BMW Efficier	ntDynamics					
BMW EfficientDynamics BMW EfficientDynamics standard features		Start Stop f mo BMW Effic flap contro	ve technology, Electric Power Steering, hybrid-specific Auto iunction, Optimum Shift Indicator, ECO PRO and COMFOR ⁻ de with coasting function, Proactive Driving Assistant, ientLightweight, optimised aerodynamic attributes, active air ol, on-demand operation of ancillary units, map-regulated oil optica of amproproser, officiancy actimized all wheel drive			

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

¹⁾ Height including roof fin ²⁾ Oil change

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pump, electric a/c compressor, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance

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The new BMW 5 Series Sedan. 520d.

		BMW 520d Sedan
Body		
No of doors/seats		4/5
Length/width/height 1)	mm	4963 / 1868 / 1479
(unladen)		
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	144
Turning circle	m	12.0
Fuel tank capacity	approx. I	66
Engine oil 2)		5.5
Weight, unladen, to DIN/EU	kg	1675 / 1750
Max load to DIN	kg	670
		2345
Max permissible weight	kg	
Max axle load, front/rear	kg	1100 / 1320
Max trailer load,	kg	2000 / 750
braked (12%)/unbraked	1.	2000 / 750
Max roofload/max towbar	kg	100 / 90
download		E20
Luggage comp capacity	I	530
Air resistance	c _d x A	0.23 x 2.35
Power Unit		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology		MV TwinPower Turbo technology: multi-stage turbocharging, common-rail direct injection with solenoid injectors (max. injection pressure: 2500 bar)
Effective capacity	СС	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel	••	Diesel
Max output	kW/hp	140 / 190
at	rpm	4000
Max torque	Nm	400
at	rpm	1750 – 2500
48V mild hybrid technology	трпт	1730 - 2300
Max output	kW/hp	8/11
		0,11
Electrical System		
12V battery/installation	Ah/–	90 / luggage compartment
48V battery/installation	Ah/–	11 / engine compartment
Driving Dynamics and Safe	tv	
Suspension, front	-	ble-wishbone axle in aluminium construction with separate lower track arm,
-		small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems	Star	ndard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering
		Brake Control), DBC (Dynamic Brake Control), Dry Braking function, ling Compensation, Start-Off Assistant; optional: Dynamic Damper Control, Adaptive Drive
Safety equipment	fro on	tandard: airbags for driver and front passenger, side airbags for driver and nt passenger, head airbags front and rear, three-point inertia-reel seatbelts all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS),
5		optional: Integral Active Steering
Steering ratio, overall	:1	17.0
Steering ratio, overall Tyres, front/rear	:1	17.0 225/55 R17 101Y XL

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			BMW 520d Sedan
Transmission			
Type of transm			Eight-speed Steptronic transmission
Gear ratios	I	:1	5.250
		:1	3.360
		:1	2.172
	IV	:1	1.720
	V	:1	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929
Performance			
Power-to-weigh	nt ratio (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 Efficien	tDynamics		
BMW Efficient	Dynamics	Mild hybri	d technology with 48V starter-generator, Brake Energy Regeneral

standard features

with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter

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

¹⁾ Height including roof fin
²⁾ Oil change

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The new BMW 5 Series Sedan. 520d xDrive.

		BMW 520d xDrive Sedan		
Body				
No of doors/seats		4/5		
Length/width/height 1)	mm	4963 / 1868 / 1479		
(unladen)				
Wheelbase	mm	2975		
Track, front/rear	mm	1605 / 1630		
Ground clearance	mm	139		
Turning circle	m	12.4		
Fuel tank capacity	approx. I	66		
Engine oil 2)		5.5		
Weight, unladen, to DIN/EU	kg	1735 / 1810		
Max load to DIN	kg	670		
Max permissible weight	kg	2405		
Max axle load, front/rear	kg	1150 / 1330		
Max trailer load,		1100/1000		
braked (12%)/unbraked	kg	2000 / 750		
Max roofload/max towbar	ka	100 / 90		
download	kg	100/90		
Luggage comp capacity		530		
		0.23 x 2.35		
Air resistance	c _d x A	0.23 X 2.35		
Power Unit				
Config/No of cyls/valves		In-line / 4 / 4		
Engine technology	B	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				
Electrical System	Ah/-	00 /luggage compartment		
12V battery/installation		90 / luggage compartment		
48V battery/installation	Ah/-	11 / engine compartment		
Driving Dynamics and Safe	ty			
Suspension, front	Do	puble-wishbone axle in aluminium construction with separate lower track arm		
		small steering roll radius, transverse force compensation, anti-dive		
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing		
Brakes, front		Vented disc brakes, with four-piston fixed callipers		
Brakes, rear		Vented disc brakes, with single-piston floating callipers		
Driving stability systems	St	andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornerin		
		Brake Control), DBC (Dynamic Brake Control), Dry Braking function,		
	Fa	ading Compensation, Start-Off Assistant, all-wheel-drive system xDrive linke		
		with DSC; optional: Adaptive suspension, Adaptive Drive		
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and		
	front passenger, head airbags front and rear, three-point inertia-reel seatbelts			
	C	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		
Steering ratio, overall Tyres, front/rear	:1			

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			BMW 520d xDrive Sedan
Transmission			
Type of transmission	on		Eight-speed Steptronic transmission
Gear ratios	l	:1	5.250
	11	:1	3.360
		:1	2.172
	IV	:1	1.720
	V	:1	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929
Performance			
Power-to-weight ra	atio (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 EfficientDy	mamics		

BMW EfficientDynamics

standard features

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

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

Height including roof fin
Oil change

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The new BMW 5 Series Sedan. 530d.

		BMW 530d Sedan
Body		
No of doors/seats		4/5
Length/width/height 1)	mm	4963 / 1868 / 1479
(unladen)		
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	144
Turning circle	m	12.0
Fuel tank capacity	approx. I	66
Engine oil 2)		7.0
Weight, unladen, to DIN/EU	kg	1760 / 1835
Max load to DIN	kg	680
Max permissible weight	kg	2440
Max axle load, front/rear	kg	1200 / 1350
Max trailer load,	kg	120071000
braked (12%)/unbraked	Ng	2000 / 750
Max roofload/max towbar	kg	100 / 90
download	Ng	1007.50
Luggage comp capacity	1	530
Air resistance	Cd X A	0.23 x 2.35
	OU X M	0.20 / 2.00
Power Unit		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		MW TwinPower Turbo technology: multi-stage turbocharging, low-pressure
	t	urbocharger with variable inlet geometry, common-rail direct injection with
		piezo injectors (max. injection pressure: 2700 bar)
Effective capacity	CC	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	210/286
at	rpm	4000
Max torque	Nm	650
at	rpm	1500 – 2500
48V mild hybrid technology		
Max output	kW/hp	8/11
Electrical System		
12V battery/installation	Ah/–	90 / luggage compartment
48V battery/installation	Ah/–	11 / engine compartment
Driving Dynamics and Safe		
Suspension, front	Do	uble-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems	Sta	indard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering
Driving stability systems	010	Brake Control), DBC (Dynamic Brake Control), Dry Braking function,
		Brake Control, BBC (Bynamic Brake Control, Bry Braking fanotion,
		Eading Compensation, Start-Off Assistant:
		Fading Compensation, Start-Off Assistant; optional: Adaptive suspension, Adaptive Drive
Safety equipment	;	optional: Adaptive suspension, Adaptive Drive
Safety equipment		optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and
Safety equipment	fro	optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts
Safety equipment	fro	optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts n all seats with belt stopper, belt tensioner and belt force limiter at the front,
	fro	optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts n all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Safety equipment	fro	optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts n all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator Electric Power Steering (EPS),
Steering	fro	optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts n all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator Electric Power Steering (EPS), optional: Integral Active Steering
	fro	optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts n all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator Electric Power Steering (EPS),

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			BMW 530d Sedan
Transmission	n		
Type of transm	nission		Eight-speed Steptronic transmission
Gear ratios	1	: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	2.471
Performance			
Power-to-weig	ht ratio (DIN)	kg/kW	8.4
Output per litre	9	kW/I	70.2
Acceleration	0–100 km/h	S	5.6
Top speed		km/h	250
BMW Efficier	ntDynamics		
BMW Efficient standard feature			Nild hybrid technology with 48V starter-generator, Brake Energy Regeneratic with recuperation display, Auto Start Stop function, ECO PRO and COMFOR

with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter

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

¹⁾ Height including roof fin
²⁾ Oil change

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The new BMW 5 Series Sedan. 530d xDrive.

		BMW 530d xDrive Sedan			
Body					
No of doors/seats		4/5			
Length/width/height 1)	mm	4963 / 1868 / 1479			
(unladen)					
Wheelbase	mm	2975			
Track, front/rear	mm	1605 / 1630			
Ground clearance	mm	139			
Turning circle	m	12.4			
Fuel tank capacity	approx. I	66			
Engine oil 2)	1	7.0			
Weight, unladen, to DIN/EU	kg	1820 / 1895			
Max load to DIN	kg	685			
Max permissible weight	kg	2505			
Max axle load, front/rear	kg	1250 / 1360			
Max trailer load,	kg				
braked (12%)/unbraked		2000 / 750			
Max roofload/max towbar	kg	100 / 90			
download	ng.	100100			
Luggage comp capacity		530			
Air resistance	Cd X A	0.23 x 2.35			
	60.777	0.20 × 2.00			
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/-	00 /luggage compartment			
48V battery/installation		90 / luggage compartment 11 / engine compartment			
40V Dattery/Installation	An/-	r i / engine compartment			
Driving Dynamics and Safe	ety				
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	c	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering			
Driving stability systems		Brake Control), DBC (Dynamic Brake Control), Dry Braking function,			
	r	Fading Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked			
	I	with DSC; optional: Adaptive suspension, Adaptive Drive			
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and			
Salety equipment		front passenger, head airbags for the 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			
Stooring					
Steering		Electric Power Steering (EPS),			
Oteoring rolin	~	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 transmission	on		Eight-speed Steptronic transmission
Gear ratios	1	:1	5.500
		:1	3.250
		:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	2.471
Performance			
Power-to-weight ra	atio (DIN)	kg/kW	8.7
Output per litre		kW/l	70.2
Acceleration 0	–100 km/h	S	5.4
Top speed		km/h	250
BMW EfficientDy	namics		

BMW EfficientDynamics

standard features

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

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Height including roof fin
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