

Technical specifications.

BMW 5 Series Sedan.

530e xDrive.



BMW 530e xDrive Sedan			
Body			
No. of doors / seats			4 / 5
Length/width/height (unladen)	mm		5060 / 1900 / 1515
Wheelbase	mm		2995
Track, front/rear	mm		1622 / 1658
Ground clearance	mm		146
Turning circle	m		12.3
Fuel tank capacity	approx. l		60
Weight, unladen, to DIN/EU	kg		2055 / 2130
Max. load to DIN	kg		675
Max. permissible weight	kg		2730
Max. axle load, front/rear	kg		1320 / 1525
Max. trailer load			
braked (12%)/unbraked	kg		2000 / 750
Max. roofload/towbar download	kg		75 / 100
Luggage comp. capacity	l		520
Air resistance	cx x A		0.24 x 2.46
Drive system			
Drive concept		Full hybrid drive, drive torque from one or both sources (petrol engine/electric motor) sent to all four wheels via BMW xDrive	
System output ¹⁾	kW/hp		220 / 299
System torque ¹⁾	Nm		450
System power-to-weight ratio (DIN)	kg/kW		9.3
Combustion engine			
Config./No. of cyls./valves			In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: 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		11.6
Fuel			min. RON 91
Nominal power	kW/hp		140 / 190
at	rpm		4400 – 6500
Nominal torque	Nm		310
at	rpm		1500 – 4000
Output per litre	kW/l		70.1
Electric motor			
Engine technology		BMW eDrive technology: synchronous electric motor with pre-gearing stage integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery	
Nominal power	kW/hp		135 / 184
at	rpm		7000
Nominal torque	Nm		250
at	rpm		100 – 5500
Effective torque through pre-gearing stage	Nm		450
High-voltage battery			
Storage technology / installation			Lithium-ion / underfloor
Voltage	V		347,5
Capacity (gross / net)	kWh		22.1 / 19.4
Charging time for 0 – 100 % charge			3.25 h at 7.4 kW (32 A / 230 V / 1ph.)
Transmission			
Type of transmission			Eight-speed Steptronic transmission
Gear ratios	I	:1	5.000
	II	:1	3.520
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.301
	VI	:1	1.000
	VII	:1	0.833
	VIII	:1	0.640
	R	:1	4.543

BMW 530e xDrive Sedan		
Driving Dynamics and Safety		
Suspension, front	Double wishbone axle in aluminium construction with separated lower control arm level; optional: electronically controlled dampers	
Suspension, rear	Five-link axle in aluminium construction, double elastic mounting, air suspension with automatic self-levelling; optional: electronically controlled dampers	
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, ASC and DTC (Dynamic Traction Control), ARB technology (near-actuator wheel slip limitation), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, drive-off assistant, trailer stability control, Performance Control, DSC linked with xDrive all-wheel drive; optional: active roll stabilisation	
Safety equipment	Standard: Airbags for driver and passenger, side airbags for driver and passenger, interaction airbag between driver and passenger, front and rear head airbags, 3-point automatic-reel belt on all seats, with seat belt stopper at front, seat belt tensioner and seat belt force limiter at the front and the outside rear seats, crash sensors, tyre pressure display	
Steering	Electric Power Steering (EPS) with Servotronic function and variable steering ratio; optional: Integral Active Steering	
Steering ratio, overall	:1	15.7
Tyres, front/rear	245/45 R19 102Y XL	
Rims, front/rear	8.5J x 19 light-alloy	
Performance		
Acceleration 0–100 km/h	s	6.3
Top speed	km/h	225
Top speed electric	km/h	140
Electric range (WLTP)	km	82 – 93
BMW EfficientDynamics		
BMW EfficientDynamics standard features	BMW eDrive technology, adaptive Brake Energy Regeneration with recuperation display, Electric Power Steering, hybrid-specific Auto Start Stop function, Optimum Shift Indicator in manual shift mode, coasting function, Proactive Driving Assistant, 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		
Fuel cons., weighted combined (WLTP)	l/100 km	1.0 – 0.7
CO ₂ -emissions from fuel (WLTP)	g/km	22 – 17
Electric power consumption weighted combined (WLTP)	kWh/100 km	23.3 – 21.6
Fuel cons. w. discharged batt. (WLTP)	l/100 km	7.8 – 7.2
Environmental features		
Emission rating	Euro 6e	
CO ₂ class(es) weighted combined	B	
CO ₂ class(es) w. discharged batt.	G – F	

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¹⁾ Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure)

Fuel consumption, CO₂ emission figures and power consumption as well as electric range were measured using the methods required according to Regulation VO (EC) 715/2007 as amended. Where a range is shown, the WLTP figures take into account the impact of any optional extras.

Further information on the WLTP and measurement procedure can also be found at www.bmw.de/wltp.

Technical specifications.

BMW 5 Series Sedan.

540d xDrive.



BMW 540d xDrive Sedan		
Body		
No. of doors / seats		4 / 5
Length/width/height (unladen)	mm	5060 / 1900 / 1515
Wheelbase	mm	2995
Track, front/rear	mm	1634 / 1669
Turning circle	m	12.4
Ground clearance	mm	154
Fuel tank capacity	approx. l	60
Weight, unladen, according to DIN/EU	kg	1905 / 1980
Max. Load according to DIN	kg	655
Max. permissible weight	kg	2560
Max. axle loads, front/rear	kg	1310 / 1370
Max. trailer load (12%) braked/unbraked	kg	2000 / 750
Max. roof load/towbar download	kg	75 / 100
Luggage compartment capacity	l	520
Air resistance	cx x A	0.24 x 2.46
Drive		
Engine technology	BMW TwinPower Turbo Technology: Multi-stage turbocharging, high and low-pressure charger with variable inlet geometry, common-rail direct injection with solenoid valve injectors (max. injection pressure: 2500 bar), 48-volt mild hybrid technology	
Power output / total ¹⁾	kW/hp	223 / 303
Torque / total ¹⁾	Nm	670
Combustion engine		
Type/no. of cylinders/valves		in-line / 6 / 4
Capacity, effective	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression	:1	16.5
Fuel		Diesel
Nominal power output	kW/hp	210 / 286
at engine speed	rpm	4000
Nominal torque	Nm	650
at engine speed	rpm	1500 – 2500
Power output per litre	kW/l	70.2
Electric motor		
Nominal power output	kW/hp	13 / 18
Nominal torque	Nm	200
Electrical system		
12 volt battery/installation location	Ah / –	70 / engine compartment
48 volt battery/installation location	Ah / –	19.2 / Luggage compartment
Driving dynamics and safety		
Front wheel suspension	Double wishbone axle in aluminium construction with separated lower control arm level; optional: electronically controlled shock absorbers	
Rear wheel suspension	Five-link axle in aluminium construction, double elastic mounting; optional: electronically controlled dampers	
Brakes, front	Four-piston, fixed-caliper disc brakes, ventilated	
Brakes, rear	Single-piston, floating-caliper disc brakes, ventilated	
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), directly controlled wheel slip limitation, Cornering Brake Assist CBC, Brake Assist DBC, Dry Brake Function, Fade Compensation, Hill Start Control, Trailer Stability Control, Performance Control; optional, DSC linked with xDrive all-wheel drive; optional: Active Roll Stabilisation	
Safety equipment	Standard: Airbags for driver and passenger, side airbags for driver and passenger, interaction airbag between driver and passenger, front and rear head airbags, 3-point automatic-reel belt on all seats, with seat belt stopper at front, seat belt tensioner and seat belt force limiter at the front and the outside rear seats, crash sensors, tyre pressure display	
Steering	Electrically assisted rack-and-pinion steering (EPS) with Servotronic function and variable steering ratio; optional: Integral Active Steering	
Overall steering ratio	:1	15.7
Tyres, front/rear		225/55 R18 102Y XL
Wheel rims, front/rear		7.5J x 18 light alloy

BMW 540d xDrive Sedan			
Transmission			
Transmission type		8-speed Steptronic transmission	
Gear ratio	I	:1	5.500
	II	:1	3.520
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.301
	VI	:1	1.000
	VII	:1	0.833
	VIII	:1	0.640
	R	:1	4.543
Final drive		:1	2.563
Driving performance figures			
Weight-to-power ratio (DIN)		kg/kW	8.5
Acceleration 0-100 km/h (62 mph)		s	5.2
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics measures as standard		Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, Optimum Shift Indicator in manual shift mode, coasting function, Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, map-controlled oil pump, efficiency and weight-optimised all-wheel drive, efficiency-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter	
Fuel consumption in EU cycle			
combined (WLTP)		l/100 km	6.3 – 5.8
CO ₂ (WLTP)		g/km	165 – 153
Environmental features			
Emission rating		Euro 6e	
CO ₂ class(es)		F – E	

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