

Specifications.

BMW 5 Series Sedan.

530e iPerformance



BMW 530e iPerformance		
Body		
No of doors/seats		4 / 5
Length/width/height ¹⁾ (unladen)	mm	4936 / 1868 / 1483
Wheelbase	mm	2975
Track, front/rear	mm	1604 / 1631
Ground clearance	mm	150
Turning circle	m	12.05
Fuel tank capacity	approx ltr	46
Engine oil ²⁾	ltr	5.25
Weight, unladen, to DINEU	kg	1770 / 1845
Max load to DIN	kg	650
Max permissible weight	kg	2420
Max axle load, front/rear	kg	1120 / 1405
Max roofload/towbar download	kg	100 / –
Luggage comp capacity	ltr	410
Air resistance	$c_d \times A$	0.26 x 2.35
Drive system		
Drive concept		Full hybrid drive, torque vectoring to rear wheels from one or both units
System output	kW/hp	185 / 252
System torque	Nm	420
Weight-to-power ratio (DIN)	kg/kW	9.6
Combustion 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 control, Double VANOS variable camshaft control
Effective capacity	cm ³	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel grade		min RON 91
Output	kW/hp	135 / 184
at	rpm	5000 – 6500
Torque	Nm	290
at	rpm	1350 – 4250
Output per litre	kW/ltr	67.6
Electric motor		
Motor technology		BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery
Max output	kW/hp	83 / 113
at	rpm	3170
Torque	Nm	250
at	rpm	0 – 3170
Recuperation output	kW	20
High-voltage battery		
Storage technology / installation		lithium-ion / underneath rear seat
Voltage	V	351
Capacity (gross)	kWh	9.2
Charging time for 100% charge		2.9 h at 3.7 kW (16 A / 230 V)
Transmission		
Type of transmission		8-speed Steptronic
Gear ratios		
I	:1	4.714
II	:1	3.143
III	:1	2.106
IV	:1	1.667
V	:1	1.285
VI	:1	1.000
VII	:1	0.839
VIII	:1	0.667
R	:1	3.317
Final drive	:1	3.231

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Driving dynamics and safety

Suspension, front	Double track control arm axle with separate lower track arm level in aluminium lightweight construction, small steering roll radius, traverse force compensation, anti-dive	
Suspension, rear	Five-link axle in aluminium lightweight construction	
Brakes, front	Four-piston fixed-calliper disc brakes, vented	
Brakes, rear	Single-piston floating-calliper disc brakes, vented	
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Dynamic Damper Control	
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt latch tensioner and belt force limiter at the front seats, crash-active front head restraints, crash sensors, tyre pressure indicator	
Steering	Electric Power Steering (EPS) with Servotronic function	
Steering transmission, overall	:1	16.3
Tyres, front/rear	225/55 R17 97Y	
Rims, front/rear	7.5J x 17 light-alloy	

Performance

Acceleration 0–100 km/h	s	6.2
Maximum speed	km/h	235
Maximum speed electric	km/h	140

BMW EfficientDynamics

BMW EfficientDynamics standard measures	BMW eDrive technology, Electric Power Steering (EPS), hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air vents, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, rear differential with optimised warm-up behaviour, tyres with reduced roll resistance
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Consumption in EU cycle for hybrid vehicles ³⁾

with standard wheels and tyres and with rims 8J x 18 and tyres 245/45 R18		
Fuel consumption combined	ltr/100 km	1.9
CO ₂ emissions from fuel	g/km	44
Power consumption combined	kWh/100 km	13.1
Electric range	km	50
with rims 8J x 18 front, 9J x 18 rear and tyres 245/45 R18 front, 275/40 R18 rear, with rims 8J x 19 and tyres 245/40 R19,		
with rims 8J x 19 front, 9J x 19 rear and tyres 245/40 R19 front, 275/35 R19 rear, with rims 8J x 20 front, 9J x 20 rear and tyres 245/35 R20 front, 275/30 R20 rear and with runflat tyres		
Fuel consumption combined	ltr/100 km	2.0
CO ₂ emissions from fuel	g/km	46
Power consumption combined	kWh/100 km	13.4
Electric range	km	48
with winter tyres		
Fuel consumption combined	ltr/100 km	2.1
CO ₂ emissions from fuel	g/km	49
Power consumption combined	kWh/100 km	14.1
Electric range	km	46
Emission rating		EU6

Specifications apply to ACEA markets; data relevant to homologation applicable in part only to Germany (weight)

¹⁾ Height including roof aerial

²⁾ Oil change volume

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format