

Specifications BMW 5 Series Sedan. 530d, 535d



BMW 530d		BMW 535d
Body		
No of doors/seats	4 / 5	4 / 5
Length/width/height ¹⁾ (unladen)	mm 4907 / 1860 / 1464	4907 / 1860 / 1464
Wheelbase	mm 2968	2968
Track, front/rear	mm 1600 / 1627	1600 / 1627
Ground clearance	mm 141	141
Turning circle	m 12.0	12.0
Tank capacity	app ltr 70	70
Cooling system incl heater	ltr 8.0	8.0
Engine oil ²⁾	ltr 7.2	7.2
Weight, unladen, to DIN/EU	kg 1710 / 1785	1735 / 1810
Max load to DIN	kg 610	610
Max permissible	kg 2320	2345
Max axle load, front/rear	kg 1100 / 1290	1100 / 1310
Max trailer load (12%), braked/unbraked	kg 2000 / 750	2000 / 750
Max roofload/max towbar download	kg 100 / 90	100 / 90
Luggage comp capacity	ltr 520	520
Air resistance	Cd x A 0.26 x 2.35	0.26 x 2.35
Engine		
Config/No of cyls/valves	Straight-six / 4	Straight-six / 4
Engine technology	BMW TwinPower Turbo technology with variable-geometry turbocharger, Common Rail direct injection with solenoid valve injectors (max. injection pressure: 1800 bar)	BMW TwinPower Turbo technology with multi-stage variable-geometry high-pressure turbocharger, Common Rail direct injection with piezo injectors (max. injection pressure: 2000 bar)
Capacity, effective	cc 2993	2993
Stroke / bore	mm 90.0 / 84.0	90.0 / 84.0
Compression ratio	:1 16.5	16.5
Fuel grade	Diesel	Diesel
Max output	kW/hp 190 / 258	230 / 313
at	rpm 4000	4400
Max torque	Nm 560	630
at	rpm 1500 – 3000	1500 – 2500
Electrical System		
Battery/installation	Ah/– 90 / luggage comp	90 / luggage comp
Alternator	A/W 180 / 2520	220 / 3080
Driving Dynamics and Safety		
Suspension, front	Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive	
Suspension, rear	Integral-V multi-arm axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation	
Brakes, front	Single-piston aluminium floating-calliper disc brakes in frame structure	
Diameter	mm 348 x 30 / inner-vented	348 x 36 / inner-vented
Brakes, rear	Single-piston aluminium floating-calliper disc brakes	
Diameter	mm 330 x 20 / inner-vented	345 x 24 / inner-vented
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 for front and rear seats, three-point inertia-reel belts on all seats with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator	
Steering	Electric Power Steering (EPS) with Servotronic; optional: Integral Active Steering	
Steering transmission, overall	:1 17.1	17.1
Tyres, front/rear	225/55 R17 97W	225/55 R17 97W
Rims, front/rear	8J x 17 light-alloy	8J x 17 light-alloy

6/2013

Valid from
7/2013

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Transmission					
Type of gearbox			Eight-speed automatic with Steptronic		
Gear ratios		I	:1	4.714	4.714
		II	:1	3.143	3.143
		III	:1	2.106	2.106
		IV	:1	1.667	1.667
		V	:1	1.285	1.285
		VI	:1	1.000	1.000
		VII	:1	0.839	0.839
		VIII	:1	0.667	0.667
		R	:1	3.317	3.317
Final drive			:1	2.471	2.647
Performance					
Power-to-weight ratio (DIN)		kg/kW	9.0	7.5	
Output per litre		kW	63.5	76.8	
Acceleration		0–100 km/h	sec	5.8	5.3
		0–1000 m	sec	25.9	24.5
in 4th gear		80–120 km/h	sec	(–)	(–)
Top speed		km/h	250 (250)	250	
BMW EfficientDynamics					
BMW EfficientDynamics, standard features		Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO mode with coasting function, intelligent lightweight construction, on-demand operation of ancillary units, air flap control, Electric Power Steering (EPS), detachable a/c compressor, tyres with reduced roll resistance, BMW BluePerformance technology			
Fuel Consumption EU³⁾					
With standard wheels and tyres: 8J x 17 wheels, 225/55 R17 tyres					
Urban		ltr/100 km	6.0	6.2	
Extra-urban		ltr/100 km	4.6	4.7	
Combined		ltr/100 km	5.1	5.3	
CO ₂		g/km	134	138	
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres					
Urban		ltr/100 km	6.2	6.5	
Extra-urban		ltr/100 km	4.7	4.9	
Combined		ltr/100 km	5.3	5.4	
CO ₂		g/km	139	143	
With 8J x 18 wheels at front, 9J x 18 at rear and 245/45 R18 tyres at front, 275/40 R18 at rear					
With 8.5J x 19 wheels at front, 9J x 19 at rear and 245/40 R19 tyres at front, 275/35 R19 at rear					
With 8.5J x 20 wheels at front, 9J x 20 at rear and 245/35 R20 tyres at front, 275/30 R20 at rear					
Urban		ltr/100 km	6.5	6.7	
Extra-urban		ltr/100 km	4.9	5.1	
Combined		ltr/100 km	5.5	5.6	
CO ₂		g/km	144	148	
Emission rating			EU6	EU6	

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

¹⁾ Height with roof aerial: 1475 mm

²⁾ Oil change

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