

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

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6/2013

Valid from
7/2013

BMW 530d			BMW 535d			
Transmission						
Type of gearbox						
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	2.471			
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	litr/100 km	6.0	6.2			
Extra-urban	litr/100 km	4.6	4.7			
Combined	litr/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	litr/100 km	6.2	6.5			
Extra-urban	litr/100 km	4.7	4.9			
Combined	litr/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	litr/100 km	6.5	6.7			
Extra-urban	litr/100 km	4.9	5.1			
Combined	litr/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