



Specifications.

The new BMW 5 Series Sedan.

520d, 525d, 530d. (Not for the US Market)

		BMW 520d	BMW 525d	BMW 530d
Body				
No of doors/seats		4 / 5	4 / 5	4 / 5
Length/width/height (unladen)	mm	4899 / 1860 / 1464	4899 / 1860 / 1464	4899 / 1860 / 1464
Wheelbase	mm	2968	2968	2968
Track, front/rear	mm	1600 / 1627	1600 / 1627	1600 / 1627
Ground clearance	mm	141	141	141
Turning circle	m	11.95	11.95	11.95
Tank capacity	app ltr	70	70	70
Cooling system incl heater	ltr	7.0	8.0	8.0
Engine oil ¹⁾	ltr	5.2	7.2	7.2
Weight, unladen, to DIN/EU	kg	1640 / 1715 (1645 / 1720)	1690 / 1765 (1705 / 1780)	1715 / 1790 (1720 / 1795)
Max load to DIN	kg	610	610	610
Max permissible	kg	2250 (2255)	2300 (2315)	2325 (2330)
Max axle load, front/rear	kg	1060 / 1275	1100 / 1280 (1100 / 1285)	1125 / 1195
Max trailer load (12%), braked/unbraked	kg	2000 / 750	2000 / 750	2000 / 750
Max roofload/max towbar downl	kg	100/90	100/90	100/90
Luggage comp capacity	ltr	520	520	520
Air resistance	Cd x A	0.28 x 2.35	0.28 x 2.35	0.28 x 2.35
Power Unit				
Config/No of cyls/valves		Straight-four / 4	Straight-six / 4	Straight-six / 4
Engine technology		Common-rail direct fuel injection, turbocharger with variable intake geometry	Common-rail direct fuel injection, turbocharger with variable intake geometry	Common-rail direct fuel injection, turbocharger with variable intake geometry
Capacity, effective	cc	1995	2993	2993
Stroke / bore	mm	90.0 / 84.0	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5	16.5
Fuel grade		Diesel	Diesel	Diesel
Max output	kW/hp	135 / 184	150 / 204	180 / 245
at	rpm	4000	4000 (3750)	4000
Max torque	Nm/lb-ft	380/280	450/332	540/398
at	rpm	1900-2750	1750-2500	1750-3000
Electrical System				
Battery/installation	Ah/-	80 (90) / luggage comp	90 / luggage comp	90 / luggage comp
Alternator	A/W	180 / 2520	180 / 2520	180 / 2520
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 swing-calliper disc brakes in frame structure		
Diameter	mm	330 x 24 / inner-vented	330 x 24 / inner-vented	330 x 24 / inner-vented
Brakes, rear		Single-piston swing-calliper disc brakes		
Diameter	mm	330 x 20 / inner-vented	330 x 20 / inner-vented	330 x 20 / 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: 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	17.1
Tyres, front/rear		225/55 R17 97W	225/55 R17 97W	225/55 R17 97W
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy	8J x 17 light-alloy

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BMW ConnectedDrive					
Comfort	Optional: BMW Assist including Enquiry Service, remote-control functions and V-Info+, BMW TeleServices, integration of mobile terminals				
Infotainment	Optional: access to the internet, BMW Online including Parkinfo, National Info, Google Directory Service, News, Weather Realtime and BMW Routes				
Safety	Optional: Adaptive Headlights with Bending Lights, variable light distribution and adaptive headlight range control, High-Beam Assistant, Park Distance Control, back-up camera, Surround View including Side View and Top View, BMW Night Vision with detection of persons, Head-Up Display, Parking Assistant, collision warning with brake activation function in combination with Active Cruise Control with Stop & Go, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Speed Limit Device, Automatic/Enhanced Emergency Call				
Transmission					
Type of gearbox	Six-speed manual (optional: eight-speed automatic with Steptronic)				
Gear ratios	I	:1	4.110 (4.714)	4.110 (4.714)	5.080 (4.714)
	II	:1	2.248 (3.143)	2.248 (3.143)	2.804 (3.143)
	III	:1	1.403 (2.106)	1.403 (2.106)	1.783 (2.106)
	IV	:1	1.000 (1.667)	1.000 (1.667)	1.260 (1.667)
	V	:1	0.802 (1.285)	0.802 (1.285)	1.000 (1.285)
	VI	:1	0.659 (1.000)	0.659 (1.000)	0.835 (1.000)
	VII	:1	- (0.839)	- (0.839)	- (0.839)
	VIII	:1	- (0.667)	- (0.667)	- (0.667)
	R	:1	3.727 (3.295)	3.727 (3.295)	4.607 (3.317)
Final drive		:1	3.385 (2.929)	3.154 (2.471)	2.563 (2.471)
Performance					
Power-to-weight ratio		kg/kW	12.1 (12.2)	11.3 (11.4)	9.5 (9.6)
Output per litre		kW/hp	67.7/92.1	50.1/68.1	60.1/81.7
Acceleration	0-100 km/h	sec	8.1 (8.1) ²⁾	7.2 (7.2)	6.3 (6.3)
	Standing-start km	sec	29.0 (29.0) ²⁾	27.7 (27.8)	26.5 (26.5)
In 4th gear	80-120 km/h	sec	6.9 (-) ²⁾	6.3 (-)	5.0 (-)
Top speed		km/h	227 (225) ²⁾	236 (236)	250 (250)
BMW EfficientDynamics					
BMW EfficientDynamics, standard features	Brake Energy Regeneration with recuperation display, Auto Start Stop (BMW 520d with manual gearbox) gearshift point indicator (on manual gearbox models), 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				
Fuel Consump in EU Cycle					
Urban		ltr/100	³⁾	8.1 (7.8)	8.0 (7.8)
Extra-urban		ltr/100	³⁾	5.1 (5.1)	5.3 (5.3)
Combined		ltr/100	5.0 (5.2) ²⁾	6.2 (6.1)	6.3 (6.2)
CO ₂		g/km	132 (137) ²⁾	162 (161)	166 (162)
Emission rating			EU5	EU5	EU5 ⁴⁾

Specifications applicable to ACEA markets, data relevant to homologation applicable in part only to Germany (weight)
 Figures in brackets apply to automatic transmission models

¹⁾ Oil change

²⁾ Provisional figures

³⁾ Not yet available

⁴⁾ EU6 with optional BMW BluePerformance technology