

# Specifications.

## BMW 5 Series Sedan.

### 525d



BMW 525d Sedan		
<b>Body</b>		
No. of doors/seats		4 / 5
Length/width/height (unladen)	mm	4936 / 1868 / 1479
Wheelbase	mm	2975
Front/rear track	mm	1605 / 1630
Ground clearance	mm	144
Turning circle	m	12.05
Fuel capacity	approx. l	66
Engine oil capacity <sup>1)</sup>	l	5.0
Weight, unladen (DIN/EU)	kg	1610 / 1685
Payload (DIN)	kg	685
Permitted total weight	kg	2295
Permitted axle load, front/rear	kg	1080 / 1290
Permitted trailer load (12%) braked/unbraked	kg	2000 / 750
Permitted roof load/trailer download	kg	100 / 90
Luggage compartment capacity	l	530
Aerodynamic drag	cx x A	0.24 x 2.35
<b>Engine</b>		
Type/no. of cylinders/valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging, high and low pressure turbocharger with variable-geometry, Common Rail direct injection with solenoid valve injectors (max. injection pressure: 2500 bar)
Effective capacity	cc	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel type		Diesel
Output	kW/hp	170 / 231
at rpm	min <sup>-1</sup>	4400
Torque	Nm	500
at rpm	min <sup>-1</sup>	2000
<b>Electrical</b>		
Battery charge/location	Ah/-	90 / luggage compartment
<b>Driving Dynamics and Safety</b>		
Front suspension		Aluminium double track control arm axle with separate lower track arm level, small steering roll radius, traverse force compensation, anti-dive
Rear suspension		Five-link axle in aluminium lightweight construction, double elastic bearing
Front brakes		Four-piston fixed-calliper disc brakes / vented
Rear brakes		Single-piston floating-calliper disc brakes / 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: driver and front-seat passenger airbags, driver and front-seat passenger side airbags, head airbags front and rear, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre pressure indicator
Steering		Electromechanical rack-and-pinion power steering (EPS); optional: Integral Active Steering
Overall steering ratio	:1	16.3
Front/rear tyres		225/55 R17 97Y
Front/rear wheels		7,5J x 17 light-alloy

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<b>Transmission</b>				
Type of gearbox	8-speed Steptronic			
Gear ratios	I	:1	5.000	
	II	:1	3.200	
	III	:1	2.143	
	IV	:1	1.720	
	V	:1	1.314	
	VI	:1	1.000	
	VII	:1	0.822	
	VIII	:1	0.640	
	R	:1	3.456	
Differential ratio		:1	2.813	
<b>Performance</b>				
Weight-to-power ratio (DIN unladen)		kg/kW	9.5	
Specific power output		kW/l	85.2	
Acceleration	0–100 km/h	sec	6.6	
	in 5th gear	80–120 km/h	sec	–
Max. speed		km/h	250	
<b>BMW EfficientDynamics</b>				
BMW EfficientDynamics Features included as standard	Brake Energy Regeneration with recuperation display, electric power steering (EPS), Auto Start Stop function, gear shift indicator, ECO PRO mode with coasting function an Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance Technology			
<b>Fuel consumption (EU) <sup>2)</sup></b>				
with standard wheels and tyres, also with 8J x 18 wheels and 245/45 R18 tyres				
Urban		l/100 km	5.1	
Extra-urban		l/100 km	4.0	
Combined		l/100 km	4.4	
CO <sub>2</sub> emissions		g/km	116	
With 8J x 18 wheels (front), 9J x 18 (rear) and 245/45 R18 tyres (front), 275/40 R18 (rear), with 8J x 19 wheels an 245/40 R19 tyres.				
with 8J x 19 wheels (front), 9J x 19 (rear) and 245/40 R19 tyres (front), 275/35 R19 (rear), with 8J x 20 wheels (front), 9J x 20 (rear) and 245/35 R20 tyres (front), 275/30 R20 (rear) and with runflat tyres				
Urban		l/100 km	5.3	
Extra-urban		l/100 km	4.2	
Combined		l/100 km	4.6	
CO <sub>2</sub> emissions		g/km	121	
With winter tyres				
Urban		l/100 km	5.5	
Extra-urban		l/100 km	4.5	
Combined		l/100 km	4.8	
CO <sub>2</sub> emissions		g/km	126	
Emissions standard			EU6	

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

<sup>1)</sup> Height including roof aerial

<sup>2)</sup> Oil change volume

<sup>3)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format