

# Specifications. BMW 7 Series. 750d xDrive, 750Ld xDrive



		BMW 750d xDrive	BMW 750Ld xDrive
<b>Body</b>			
No. of doors/seats		4 / 5	4 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	5098 / 1902 / 1467	5238 / 1902 / 1479
Wheelbase	mm	3070	3210
Track, front/rear	mm	1611 / 1640	1611 / 1640
Ground clearance	mm	135	135
Turning circle	m	12.5	12.9
Tank capacity	approx. ltr	78	78
Engine oil <sup>2)</sup>	ltr	6.5	6.5
Weight, unladen, to DINEU	kg	1940 / 2015	1980 / 2055
Max. load to DIN	kg	690	690
Max. permissible weight	kg	2630	2670
Max. axle load, front/rear	kg	1300 / 1380	1310 / 1415
Max. trailer load, braked (12%/unbraked)	kg	2300 / 750	2300 / 750
Max. roof load/towbar download	kg	100 / 100	100 / 100
Luggage comp. capacity	ltr	515	515
Air resistance	C <sub>d</sub> x A	0.26 x 2.41	0.26 x 2.42
<b>Engine</b>			
Config./No. of cyls./valves		in-line / 6 / 4	in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging with four turbochargers, high and low pressure charging stage with two chargers each, high pressure turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: >2500 bar)	
Effective capacity	cm <sup>3</sup>	2993	2993
Stroke/bore	mm	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.0	16.0
Fuel		diesel	diesel
Output	kW/hp	294 / 400	294 / 400
at	rpm	4400	4400
Torque	Nm	760	760
at	rpm	2000 – 3000	2000 – 3000
<b>Electrical System</b>			
Battery/Installation	Ah/–	105 / luggage comp.	105 / luggage comp.
<b>Driving Dynamics and Safety</b>			
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive, air suspension with automatic self-levelling	
Suspension, rear		Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling	
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 and Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel drive, Dynamic Damper Control	
Safety equipment		Standard: airbags for driver and passenger, side airbags for driver and passenger, head airbags for 1st and 2nd seat row, knee airbag for driver, three-point inertia-reel belts on all seats, integrated at the front with belt tightener and belt force limiter, crash sensors, tyre pressure indicator	
Steering		Electric Power Steering (EPS) with Servotronic function, optional: Integral Active Steering	
Steering ratio, overall	:1	16.9	16.9
Tyres, front/rear		245/50 R18 100Y	245/50 R18 100Y
Rims, front/rear		8J x 18 light alloy	8J x 18 light alloy

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BMW 750d xDrive			BMW 750Ld xDrive	
Transmission				
Type of gearbox		8-speed Steptronic transmission		8-speed Steptronic transmission
Gear ratios	I	:1	5.000	5.000
	II	:1	3.200	3.200
	III	:1	2.143	2.143
	IV	:1	1.720	1.720
	V	:1	1.313	1.313
	VI	:1	1.000	1.000
	VII	:1	0.823	0.823
	VIII	:1	0.640	0.640
	R	:1	3.478	3.478
Final drive		:1	2.813	2.813
Performance				
Power-to-weight ratio (DIN)		kg/kW	6.6	6.7
Output per litre		kW/ltr	98.2	98.2
Acceleration		0–100 km/h	s	4.7
in 5th gear		80–120 km/h	s	–
Top speed		km/h	250	250
BMW EfficientDynamics				
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, Electric Power Steering, Auto Start Stop function, Optimum Gearshift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, disengageable climate compressor, differential with optimised warm-up behaviour, efficiency- and weight-optimised all-wheel drive, tyres with reduced rolling resistance		
Fuel consumption EU cycle <sup>3)</sup>				
with standard tyres				
Urban	ltr/100 km		6.6	6.6
Extra-urban	ltr/100 km		5.1	5.1
Combined	ltr/100 km		5.7	5.7
CO <sub>2</sub>	g/km		149	149
with rims 8.5J x 19 and tyres 245/45 R19 as well as winter tyres				
with rims 8.5J x 19 front, 9.5J x 19 rear and tyres 245/45 R19 front, 275/40 R19 rear,				
with rims 8.5J x 20 front, 10J x 20 rear and tyres 245/40 R20 front, 275/35 R20 rear,				
with rims 8.5J x 21 front, 10J x 21 rear and tyres 245/35 R21 front, 275/30 R21 rear				
Urban	ltr/100 km		6.9	6.9
Extra-urban	ltr/100 km		5.3	5.3
Combined	ltr/100 km		5.9	5.9
CO <sub>2</sub>	g/km		154	154
Emission rating			EU6	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