

# Specifications.

## BMW 7 Series.

### 730d xDrive, 730Ld xDrive



		BMW 730d xDrive	BMW 730Ld xDrive
<b>Body</b>			
No. of doors/seats		4 / 5	4 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	5098 / 1902 / 1478	5238 / 1902 / 1485
Wheelbase	mm	3070	3210
Track, front/rear	mm	1617 / 1646	1617 / 1646
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	1825 / 1900	1870 / 1945
Max. load to DIN	kg	715	710
Max. permissible weight	kg	2540	2580
Max. axle load, front/rear	kg	1220 / 1370	1240 / 1395
Max. trailer load, braked (12%/unbraked)	kg	2100 / 750	2100 / 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	0.25 x 2.41	0.25 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: 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	16.5	16.5
Fuel		diesel	diesel
Output	kW/hp	195 / 265	195 / 265
at	rpm	4000	4000
Torque	Nm	620	620
at	rpm	2000 – 2500	2000 – 2500
<b>Electrical System</b>			
Battery/Installation	Ah/–	105 / luggage comp.	105 / luggage comp.
Alternator	A/W	180 / 2520	180 / 2520
<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		225/60 R17 99Y	225/60 R17 99Y
Rims, front/rear		7.5J x 17 light alloy	7.5J x 17 light alloy

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BMW 730d xDrive				BMW 730Ld 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	2.563		2.563
Performance					
Power-to-weight ratio (DIN)		kg/kW	9.4		9.6
Output per litre		kW/ltr	65.2		65.2
Acceleration	0–100 km/h	s	5.8		5.9
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	5.7		5.7
Extra-urban		ltr/100 km	4.3		4.3
Combined		ltr/100 km	4.8		4.8
CO <sub>2</sub>		g/km	127		127
With rims 8J x 18 and tyres 245/50 R18, with rims 8.5J x 19 and tyres 245/45 R19 as well as winter tyres					
Fuel consumption EU cycle <sup>3)</sup>			5.9		5.9
With standard tyres			4.4		4.4
Urban		ltr/100 km	5.0		5.0
CO <sub>2</sub>		g/km	132		132
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	6.1		6.1
Extra-urban		ltr/100 km	4.6		4.6
Combined		ltr/100 km	5.2		5.2
CO <sub>2</sub>		g/km	137		137
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