

Specifications.

BMW 7 Series.

740d xDrive, 740Ld xDrive



		BMW 740d xDrive	BMW 740Ld xDrive
Body			
No. of doors/seats		4 / 5	4 / 5
Length/width/height ¹⁾ (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 ²⁾	ltr	6.5	6.5
Weight, unladen, to DINEU	kg	1860 / 1935	1900 / 1975
Max. load to DIN	kg	670	670
Max. permissible weight	kg	2530	2570
Max. axle load, front/rear	kg	1250 / 1340	1270 / 1360
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 _d x A	0.25 x 2.41	0.25 x 2.42
Engine			
Config./No. of cyls./valves		in-line / 6 / 4	in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging, high and low pressure turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2500 bar)	
Effective capacity	cm ³	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	235 / 320	235 / 320
at	rpm	4000	4000
Torque	Nm	680	680
at	rpm	1750 – 2250	1750 – 2250
Electrical System			
Battery/Installation	Ah/–	105 / luggage comp.	105 / luggage comp.
Alternator	A/W	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, 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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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	7.9	8.1	
Output per litre	kW/ltr	78.5	78.5	
Acceleration	0–100 km/h	s	5.2	5.3
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 ³⁾				
With standard tyres				
Urban	ltr/100 km	6.2	6.3	
Extra-urban	ltr/100 km	4.2	4.3	
Combined	ltr/100 km	4.9	5.0	
CO ₂	g/km	129	132	
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 ³⁾		6.4	6.6	
With standard tyres				
Urban	ltr/100 km	5.1	5.2	
CO ₂	g/km	134	137	
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	6.6	6.8	
Extra-urban	ltr/100 km	4.5	4.6	
Combined	ltr/100 km	5.3	5.4	
CO ₂	g/km	139	142	
Emission rating		EU6	EU6	

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

¹⁾ Height including roof aerial

²⁾ Oil change volume

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format