BMW Media Information

5/2016

Valid from 7/2016

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



		BMW 750d xDrive	BMW 750Ld xDrive	
Body				
No. of doors/seats		4/5	4/5	
Length/width/height 1) (unladen)	mm	5098 / 1902 / 1467	5238 / 1902 / 1479	
Wheelbase	mm	3070	32307 13027 1473	
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 2)	ltr	6.5	6.5	
Weight, unladen, to DIN/EU	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,	kg	10007 1000	101071110	
braked (12%)/unbraked	ı.g	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	0.26 x 2.41	0.26 x 2.42	
Engine				
Config./No. of cyls./valves		in-line / 6 / 4	in-line / 6 / 4	
Engine technology		BMW TwinPower Turbo technology: multi-stag		
Lingine technology		•		
		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 pi		
Effective capacity	cm ³	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	
	тртт	2000 0000	2000 0000	
Electrical System			105.11	
Battery/Installation	Ah/-	105 / luggage comp.	105 / luggage comp.	
Driving Dynamics and Safety	/			
Suspension, front		Double track control arm axle with separate lo		
		aluminium, small steering roll radius, anti-dive, air su	uspension 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 brake		
Brakes, rear		Single-piston floating-calliper disc bra		
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		
Ctaoring		-		
Steering		Electric Power Steering (EP	•	
Stooring ratio overall	.4	with Servotronic function, optional: Integra		
Steering ratio, overall	:1	16.9	16.9	
Tyres, front/rear Rims, front/rear		245/50 R18 100Y	245/50 R18 100Y	
mins. ironviear		8J x 18 light alloy	8J x 18 light alloy	

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			BMW 750d xDrive	BMW 750Ld xDrive
Transmission	1			
Type of gearbo		8	-speed Steptronic transmission 8-	speed Steptronic transmission
Gear ratios		:1	5.000	5.000
		: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-weigh	ht ratio (DIN)	kg/kW	6.6	6.7
Output per litre	!	kW/ltr	98.2	98.2
Acceleration	0–100 km/h	S	4.6	4.7
in 5th gear	80-120 km/h	S	_	_
Top speed		km/h	250	250
rop speed		KITI/IT		200
	tDvnamics	KIIIII		200
BMW Efficien			Energy Regeneration with recurseration of	
BMW Efficient	Dynamics	Brake E	Energy Regeneration with recuperation di	splay, Electric Power Steering,
BMW Efficien	Dynamics	Brake E Auto S	Start Stop function, Optimum Gearshift In	splay, Electric Power Steering, dicator, ECO PRO mode with
BMW Efficient	Dynamics	Brake E Auto S coastii	Start Stop function, Optimum Gearshift In ng function and Proactive Driving Assista	splay, Electric Power Steering, dicator, ECO PRO mode with nt, BMW EfficientLightweight,
BMW Efficient	Dynamics	Brake E Auto S coastii optimis	Start Stop function, Optimum Gearshift In ng function and Proactive Driving Assista sed aerodynamic attributes, active air flap	splay, Electric Power Steering, dicator, ECO PRO mode with nt, BMW EfficientLightweight, control, on-demand operation
BMW Efficient	Dynamics	Brake E Auto S coastii optimis of ancil	Start Stop function, Optimum Gearshift In ng function and Proactive Driving Assistar sed aerodynamic attributes, active air flap llary units, map-controlled oil pump, diser	splay, Electric Power Steering, dicator, ECO PRO mode with nt, BMW EfficientLightweight, control, on-demand operation gageable climate compressor,
BMW Efficient	Dynamics	Brake E Auto S coastii optimis of ancil	Start Stop function, Optimum Gearshift In ng function and Proactive Driving Assista sed aerodynamic attributes, active air flap	splay, Electric Power Steering, dicator, ECO PRO mode with nt, BMW EfficientLightweight, control, on-demand operation gageable climate compressor, ur, efficiency- and weight-
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BMW Efficien BMW Efficient standard featur	Oynamics es Otion EU cycle ³⁾ yres	Brake E Auto S coastii optimis of ancil	Start Stop function, Optimum Gearshift In ng function and Proactive Driving Assistar sed aerodynamic attributes, active air flap llary units, map-controlled oil pump, diser ferential with optimised warm-up behavio	splay, Electric Power Steering, dicator, ECO PRO mode with nt, BMW EfficientLightweight, control, on-demand operation igageable climate compressor, ur, efficiency- and weight-uced rolling resistance
BMW Efficien BMW Efficient standard featur featur Fuel consump with standard ty	Oynamics es otion EU cycle ³⁾ yres	Brake E Auto S coastii optimis of ancil diff	Start Stop function, Optimum Gearshift In ng function and Proactive Driving Assistar sed aerodynamic attributes, active air flap llary units, map-controlled oil pump, diser ferential with optimised warm-up behavio optimised all-wheel drive, tyres with red	splay, Electric Power Steering, dicator, ECO PRO mode with nt, BMW EfficientLightweight, control, on-demand operation gageable climate compressor, ur, efficiency- and weight-uced rolling resistance
BMW Efficien BMW Efficient standard featur featur Fuel consump with standard ty Urban	Oynamics es otion EU cycle ³⁾ yres	Brake E Auto S coastii optimis of ancil diff	Start Stop function, Optimum Gearshift In ng function and Proactive Driving Assistar sed aerodynamic attributes, active air flap llary units, map-controlled oil pump, diser ferential with optimised warm-up behavio optimised all-wheel drive, tyres with red 6.6	splay, Electric Power Steering, dicator, ECO PRO mode with nt, BMW EfficientLightweight, control, on-demand operation gageable climate compressor, ur, efficiency- and weight-uced rolling resistance 6.6 5.1
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BMW Efficien BMW Efficient standard featur Fuel consump with standard ty Urban Extra-urban Combined CO2 with rims 8.5J x	Oynamics es Otion EU cycle ³⁾ yres < 19 and tyres 245	Brake E Auto S coastii optimis of ancil diff ittr/100 km ittr/100 km g/km j/45 R19 as well a	Start Stop function, Optimum Gearshift In ng function and Proactive Driving Assistar sed aerodynamic attributes, active air flap llary units, map-controlled oil pump, diser ferential with optimised warm-up behavio optimised all-wheel drive, tyres with red 6.6 5.1 5.7 149	splay, Electric Power Steering, dicator, ECO PRO mode with nt, BMW EfficientLightweight, control, on-demand operation gageable climate compressor, ur, efficiency- and weight-uced rolling resistance 6.6 5.1 5.7
BMW Efficien BMW Efficient standard featur Fuel consump with standard ty Urban Extra-urban Combined CO2 with rims 8.5J x with rims 8.5J x	Dynamics es Description EU cycle ³⁾ yres 19 and tyres 245 19 front, 9.5J x 1	Brake E Auto S coastii optimis of ancil diff lttr/100 km lttr/100 km g/km 6/45 R19 as well a 9 rear and tyres 2	Start Stop function, Optimum Gearshift In ng function and Proactive Driving Assistated aerodynamic attributes, active air flap llary units, map-controlled oil pump, diser ferential with optimised warm-up behavio optimised all-wheel drive, tyres with red 6.6 5.1 5.7 149 as winter tyres	splay, Electric Power Steering, dicator, ECO PRO mode with nt, BMW EfficientLightweight, control, on-demand operation gageable climate compressor, ur, efficiency- and weight-uced rolling resistance 6.6 5.1 5.7
BMW Efficien BMW Efficient Standard featur Fuel consump with standard ty Urban Extra-urban Combined CO2 with rims 8.5J x with rims 8.5J x with rims 8.5J x	Dynamics es Detion EU cycle ³⁾ yres < 19 and tyres 245 < 19 front, 9.5J x 1 < 20 front, 10J x 2	Brake E Auto S coastii optimis of ancil diff Itt/100 km Itt/100 km g/km 6/45 R19 as well a 9 rear and tyres 2 0 rear and tyres 2	Start Stop function, Optimum Gearshift In ng function and Proactive Driving Assistated aerodynamic attributes, active air flap lary units, map-controlled oil pump, diser ferential with optimised warm-up behavio optimised all-wheel drive, tyres with red 6.6 5.1 5.7 149 as winter tyres 245/45 R19 front, 275/40 R19 rear,	splay, Electric Power Steering, dicator, ECO PRO mode with nt, BMW EfficientLightweight, control, on-demand operation gageable climate compressor, ur, efficiency- and weight-uced rolling resistance 6.6 5.1 5.7
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Fuel consumputs standard feature Fuel consumputs standard ty Urban Extra-urban Combined CO2 with rims 8.5J x with rims 8.5J x with rims 8.5J x with rims 8.5J x	Oynamics es otion EU cycle ³⁾ yres otion EU cycle ³⁾ yres	Brake E Auto S coastii optimis of ancil diff lttr/100 km lttr/100 km g/km g/km g/45 R19 as well a 9 rear and tyres 2 1 rear and tyres 2	Start Stop function, Optimum Gearshift In ng function and Proactive Driving Assistated aerodynamic attributes, active air flap llary units, map-controlled oil pump, diserferential with optimised warm-up behavio optimised all-wheel drive, tyres with red 6.6 5.1 5.7 149 as winter tyres 245/45 R19 front, 275/40 R19 rear, 245/40 R20 front, 275/35 R20 rear, 245/35 R21 front, 275/30 R21 rear 6.9	splay, Electric Power Steering, dicator, ECO PRO mode with nt, BMW EfficientLightweight, control, on-demand operation gageable climate compressor, ur, efficiency- and weight-

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

Height including roof aerial
 Oil change volume
 Fuel consumption and CO₂ emissions depend on the selected tyre format