### Specifications. BMW 7 Series. 750i xDrive.



		BMW 750i xDrive
D. J.		
Body No. of doors/seats		4/5
Length/width/height 1) (unladen)	mm	5120 / 1902 / 1467
Wheelbase	mm	3070
Track, front/rear		1611 / 1640
Ground clearance	mm	135
Turning circle	mm m	12.6
Tank capacity		78
Engine oil 2)	approx. ltr	10.5
Weight, unladen, to DIN/EU		1970 / 2045
Max. load to DIN	kg	660
Max. permissible weight	kg kg	2630
Max. axle load, front/rear		1330 / 1380
Max. trailer load,	kg	13307 1360
braked (12%)/unbraked	kg	2300 / 750
Max. roof load/towbar download	kg	100 / 100
Luggage comp. capacity	Ng Itr	515
Air resistance	Cd X A	0.27 x 2.41
All Tesistatice	Cd X A	0.27 X 2.41
Engine		
Config./No. of cyls./valves		V/8/4
Engine technology		BMW TwinPower Turbo technology: two TwinScroll turbochargers, High
Zilgillo tooliilology		Precision Direct Injection, VALVETRONIC fully variable valve control,
		Double-VANOS variable camshaft timing
Effective capacity	cm <sup>3</sup>	4395
Stroke/bore	mm	88.3 / 89.0
Compression ratio	:1	10.5
Fuel		min. RON 91
Output	kW/hp	390 / 530
at	rpm	5500 – 6000
Torque	Nm	750
at	rpm	1800 – 4600
Electrical System		
Battery/Installation	Ah/–	90 / luggage comp.
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		with automatic self-levelling Five-link axle, aluminium, with steering function, anti-squat and anti-dive,
		with automatic self-levelling  Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling
Brakes, front		with automatic self-levelling Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling Four-piston fixed-calliper disc brakes / vented
Brakes, front Brakes, rear		with automatic self-levelling Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling Four-piston fixed-calliper disc brakes / vented Single-piston floating-calliper disc brakes / vented
Brakes, front		with automatic self-levelling Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling Four-piston fixed-calliper disc brakes / vented Single-piston floating-calliper disc brakes / vented Standard: DSC incl. ABS and DTC (Dynamic Traction Control),
Brakes, front Brakes, rear		with automatic self-levelling Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling Four-piston fixed-calliper disc brakes / vented Single-piston floating-calliper disc brakes / vented Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying
Brakes, front Brakes, rear		with automatic self-levelling Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling Four-piston fixed-calliper disc brakes / vented Single-piston floating-calliper disc brakes / vented Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying unction, fading compensation, start-off assistant, networked with xDrive all-
Brakes, front Brakes, rear Driving stability systems	fu	with automatic self-levelling  Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling  Four-piston fixed-calliper disc brakes / vented  Single-piston floating-calliper disc brakes / vented  Standard: DSC incl. ABS and DTC (Dynamic Traction Control),  CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying unction, fading compensation, start-off assistant, networked with xDrive all-wheel-drive system, Adaptive Suspension
Brakes, front Brakes, rear	fı	with automatic self-levelling  Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling  Four-piston fixed-calliper disc brakes / vented  Single-piston floating-calliper disc brakes / vented  Standard: DSC incl. ABS and DTC (Dynamic Traction Control),  CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying unction, fading compensation, start-off assistant, networked with xDrive all-wheel-drive system, Adaptive Suspension  Standard: airbags for driver and front passenger, side airbags for driver and
Brakes, front Brakes, rear Driving stability systems	fu	with automatic self-levelling  Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling  Four-piston fixed-calliper disc brakes / vented  Single-piston floating-calliper disc brakes / vented  Standard: DSC incl. ABS and DTC (Dynamic Traction Control),  CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying unction, fading compensation, start-off assistant, networked with xDrive all-wheel-drive system, Adaptive Suspension  Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-
Brakes, front Brakes, rear Driving stability systems	fu	with automatic self-levelling  Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling  Four-piston fixed-calliper disc brakes / vented  Single-piston floating-calliper disc brakes / vented  Standard: DSC incl. ABS and DTC (Dynamic Traction Control),  CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying unction, fading compensation, start-off assistant, networked with xDrive all-wheel-drive system, Adaptive Suspension  Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertiareel seatbelts on all seats with belt latch tensioner and belt force limiter at
Brakes, front Brakes, rear Driving stability systems Safety equipment	fu	with automatic self-levelling  Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling  Four-piston fixed-calliper disc brakes / vented  Single-piston floating-calliper disc brakes / vented  Standard: DSC incl. ABS and DTC (Dynamic Traction Control),  CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying unction, fading compensation, start-off assistant, networked with xDrive all wheel-drive system, Adaptive Suspension  Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertiareel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Brakes, front Brakes, rear Driving stability systems	fu	with automatic self-levelling  Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling  Four-piston fixed-calliper disc brakes / vented  Single-piston floating-calliper disc brakes / vented  Standard: DSC incl. ABS and DTC (Dynamic Traction Control),  CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying unction, fading compensation, start-off assistant, networked with xDrive all-wheel-drive system, Adaptive Suspension  Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertiareel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator  Electromechanical rack-and-pinion power steering (EPS)
Brakes, front Brakes, rear Driving stability systems Safety equipment Steering	fı.	with automatic self-levelling  Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling  Four-piston fixed-calliper disc brakes / vented  Single-piston floating-calliper disc brakes / vented  Standard: DSC incl. ABS and DTC (Dynamic Traction Control),  CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying unction, fading compensation, start-off assistant, networked with xDrive all-wheel-drive system, Adaptive Suspension  Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator  Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Integral Active Steering
Brakes, front Brakes, rear Driving stability systems Safety equipment	fu	with automatic self-levelling  Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling  Four-piston fixed-calliper disc brakes / vented  Single-piston floating-calliper disc brakes / vented  Standard: DSC incl. ABS and DTC (Dynamic Traction Control),  CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying unction, fading compensation, start-off assistant, networked with xDrive all-wheel-drive system, Adaptive Suspension  Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator  Electromechanical rack-and-pinion power steering (EPS)

		BMW 750i xDrive	
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios I	:1	4.714	
II	:1	3.143	
III	:1	2.106	
IV	:1	1.667	
V	:1	1.285	
VI	:1	1.000	
VII	:1	0.839	
VIII	:1	0.667	
R	:1	3.317	
Final drive	:1	2.813	
Performance			
Power-to-weight ratio (DIN)	kg/kW	5.1	
Output per litre	kW/l	88.7	
Acceleration 0–100 km/h	S	4.0	
Top speed	km/h	250	

BMW EfficientDynamics standard features

Brake Energy Regeneration with recuperation display, Electric Power Steering (EPS), Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential and transfer case with optimised warm-up behaviour

Fuel consumption El	J cycle		
Urban	ltr/100 km	13.1 – 13.0	
Extra-urban	ltr/100 km	7.4 – 7.4	
Combined	ltr/100 km	9.5 – 9.5	
CO <sub>2</sub>	g/km	216 – 216	
Emission rating		Euro 6d	

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

### BMW 7 Series. 750Li xDrive.

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		BMW 750Li xDrive		
Body				
No. of doors/seats		4/5		
Length/width/height 1) (unladen)	mm	5260 / 1902 / 1479		
Wheelbase	mm	3210		
Track, front/rear	mm	1611 / 1640		
Ground clearance	mm	135		
Turning circle	m	13.1		
Tank capacity	approx. ltr	78		
Engine oil 2)	ltr	10.5		
Weight, unladen, to DIN/EU	kg	2020 / 2095		
Max. load to DIN	kg	655		
Max. permissible weight	kg	2675		
Max. axle load, front/rear	kg	1350 / 1395		
Max. trailer load,	kg			
braked (12%)/unbraked		2300 / 750		
Max. roof load/towbar download	kg	100 / 100		
Luggage comp. capacity	ltr	515		
Air resistance	c <sub>d</sub> x A	0.27 x 2.42		
Engine				
Config./No. of cyls./valves		V/8/4		
Engine technology		BMW TwinPower Turbo technology: two TwinScroll turbochargers, High		
3		Precision Direct Injection, VALVETRONIC fully variable valve control,		
		Double-VANOS variable camshaft timing		
Effective capacity	cm <sup>3</sup>	4395		
Stroke/bore	mm	88,3 / 89,0		
Compression ratio	:1	10.5		
Fuel		min. RON 91		
Output	kW/hp	390 / 530		
at	rpm	5500 – 6000		
Torque	Nm	750		
at	rpm	1800 – 4600		
Electrical System				
Battery/Installation	Ah/-	90 / luggage comp.		
<u> </u>	7 11 11	307 laggage 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 DTC (Dynamic Traction Control),		
	CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying			
	T	unction, fading compensation, start-off assistant, networked with xDrive all-		
Cofel and in the control		wheel-drive system, Adaptive Suspension		
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and		
	front passenger, head airbags for front and rear seats, three-point inertia-			
		reel seatbelts on all seats with belt latch tensioner and belt force limiter at		
Ctooring		the front seats, crash sensors, Tyre Pressure Indicator		
Steering		Electromechanical rack-and-pinion power steering (EPS)		
Steering ratio, overall	:1	with Servotronic function; optional: Integral Active Steering 16.4		
	- 1			
Tyres, front/rear		245/45 R19 102Y XL		
Rims, front/rear		8.5J x 19 light-alloy		

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			BMW 750Li xDrive	
Transmission				
Type of gearbox			8-speed Steptronic	
Gear ratios		:1	4.714	
		:1	3.143	
	III	:1	2.106	
	IV	:1	1.667	
	V	:1	1.285	
	VI	:1	1.000	
	VII	:1	0.839	
	VIII	:1	0.667	
	R	:1	3.317	
Final drive		:1	2.813	
Performance				
Power-to-weight ratio (DII	N)	kg/kW	5.2	
Output per litre		kW/l	88.7	
Acceleration 0–100 k	km/h	S	4.1	
Top speed		km/h	250	

#### BMW EfficientDynamics

BMW EfficientDynamics standard features

Brake Energy Regeneration with recuperation display, Electric Power Steering (EPS), Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential and transfer case with optimised warm-up behaviour

Fuel consumption El	J cycle		
Urban	ltr/100 km	13.1 – 13.0	
Extra-urban	ltr/100 km	7.4 – 7.4	
Combined	ltr/100 km	9.5 – 9.5	
CO <sub>2</sub>	g/km	217 – 217	
Emission rating		Euro 6d	

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

## BMW 7 Series. 745e.

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		BMW 745e
Body		445
No of doors/seats		4/5
Length/width/height 1) (unladen)	mm	5120 / 1902 / 1467
Wheelbase	mm	3070
Track, front/rear	mm	1611 / 1640
Ground clearance	mm	135
Turning circle	m	12.3
Fuel tank capacity	approx. I	46
Engine oil 2)	1	6.5
Weight, unladen, to DIN/EU	kg	2000 / 2075
Max load to DIN	kg	635
Max permissible weight	kg	2635
Max axle load, front/rear	kg	1225 / 1480
Max roofload/max towbar download	kg	100 / –
Luggage comp capacity	Ī	420
Air resistance	C <sub>d</sub> x A	0.26 x 2.41
Power Unit		
Drive concept		Full-hybrid drive, drive torque from engine or electric
		motor or both transmitted to the rear wheels
Max system output	kW/hp	290 / 394
Max system torque	Nm	600
System power-to-weight ratio (DIN)	kg/kW	6.9
Petrol Engine		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: TwinScroll turbocharger, High Precision Direct Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	CC	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		min. RON 91
Max output	kW/hp	210 / 286
at	rpm	5000 – 6000
Max torque	Nm	450
at	rpm	1600 – 3500
Output per litre	kW/l	70.1
Flactuis Mateu		
Electric Motor  Motor technology		BMW eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery
Max output	kW/hp	83 / 113
at	rpm	3170
Max torque	Nm	265
at	rpm	100 – 2500
Recuperation output	kW	20
High-voltage battery Storage technology/installation		Lithium ion / undernooth reer costs
Storage rechnology/Installation		Lithium-ion / underneath rear seats
	1.7	254
Voltage	V	354
Voltage Energy capacity (gross) Charging time for 100% charge	V kWh	354 12.0 3.6 h at 3.7 kW (16 A / 230 V)

		BMW 745e		
Driving Dynamics and Cafety				
<b>Driving Dynamics and Safety</b> Suspension, front	Double	wishbone axle in aluminium construction with separate lower		
Suspension, none	Double-	track arm, small steering roll radius, anti-dive, air suspension with self-levelling		
Suspension, rear	Five-link	axle in aluminium construction, steerable, with anti-squat and		
		control, double acoustic decoupling, air suspension with self-levelling		
Brakes, front		Vented disc brakes, with four-piston fixed callipers		
Brakes, rear	\	/ented disc brakes, with single-piston floating callipers		
Driving stability systems	Standard: DS (Cornering function, Fac	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), DPC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, Adaptive Suspension		
Safety equipment	front passen driver's side	pags for driver and front passenger, side airbags for driver and ger, head airbags for front and rear seats, knee airbag on the three-point inertia-reel seatbelts on all seats with belt latch and belt force limiter in the front, crash sensors, tyre pressure indicator		
Steering		Electric Power Steering (EPS)		
	wit	h Servotronic function, optional: Integral Active Steering		
Steering ratio, overall	:1	16.9		
Tyres, front/rear		245/50 R18 100Y		
Rims, front/rear		8J x 18 light-alloy		
Transmission				
Type of transmission		Eight-speed Steptronic transmission		
Gear ratios I	:1	4.714		
	:1	3.143		
	:1	2.106		
IV	:1	1.667		
V	:1	1.285		
VI	:1	1.000		
VII	:1	0.839		
VIII	:1	0.667		
R	:1	3.317		
Final drive	:1	3.077		
Performance				
Acceleration 0–100 km/h	S	5.2		
Top speed	km/h	250		
Top speed (electric)	km/h	140		
Electric range (WLTP)	km	49 – 56		
BMW EfficientDynamics				
BMW EfficientDynamics standard features	function, Optimum function and Proa aerodynamic attril	ology, Electric Power Steering, hybrid-specific Auto Start Stor Shift Indicator, ECO PRO and COMFORT mode with coasting ctive Driving Assistant, BMW EfficientLightweight, optimised outes, active air flap control, on-demand operation of ancillary sted oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance		
		-y		
Fuel Consumption ECE Fuel consumption combined	l/100 km	2.2 – 2.1		
	g/km	50 – 49		
CO. amiccione from fuol	U/NIII	ハノー 4カ		
CO <sub>2</sub> emissions from fuel	9			
CO <sub>2</sub> emissions from fuel Electric power consumption combined	kWh/100 km	16.6 – 16.3		

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

The values for fuel consumption,  $CO_2$  emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO<sub>2</sub>-emissions the CO<sub>2</sub> values may differ to the values stated here.

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

# BMW 7 Series. 745Le.

1	1/2020	
Ρ	age 7	

		BMW 745Le
Body		415
No of doors/seats		4/5
Length/width/height 1) (unladen)	mm	5260 / 1902 / 1479
Wheelbase	mm	3210
Track, front/rear	mm	1611 / 1640
Ground clearance	mm	135
Turning circle	m	12.8
Fuel tank capacity	approx. I	46
Engine oil 2)		6.5
Weight, unladen, to DIN/EU	kg	2045 / 2120
Max load to DIN	kg	625
Max permissible weight	kg	2670
Max axle load, front/rear	kg	1250 / 1500
Max roofload/max towbar download	kg	100 / –
Luggage comp capacity		420
Air resistance	Cd x A	0.26 x 2.42
Power Unit		
Drive concept		Full-hybrid drive, drive torque from engine or electric
		motor or both transmitted to the rear wheels
Max system output	kW/hp	290 / 394
Max system torque	Nm	600
System power-to-weight ratio (DIN)	kg/kW	7.1
Petrol Engine		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: TwinScroll turbocharger, High
3 3,		Precision Direct Injection, VALVETRONIC fully variable valve timing,
		Double-VANOS variable camshaft timing
Effective capacity	CC	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		min. RON 91
Max output	kW/hp	210 / 286
at	rpm	5000 – 6000
Max torque	Nm	450
at		1600 – 3500
	rpm kW/l	70.1
Output per litre	KVV/I	70.1
Electric Motor		
Motor technology		BMW eDrive technology: synchronous electric motor integrated into
Wictor teermology		eight-speed Steptronic transmission, generator function for
		recuperating energy for the high-voltage battery
Max output	kW/hp	83 / 113
·		3170
at May torque	rpm	
Max torque	Nm	265
at Decumeration output	rpm	100 – 2500
Recuperation output	kW	20
High-voltage hattery		
High-voltage battery Storage technology/installation		Lithium-ion / underneath rear seats
Storage technology/installation	\/	Lithium-ion / underneath rear seats
Storage technology/installation Voltage	V	354
Storage technology/installation	V kWh	

		BMW 745Le
Daining Domanics and Cafety		
<b>Driving Dynamics and Safety</b> Suspension, front		e-wishbone axle in aluminium construction with separate lower
ouspension, none	Double	track arm, small steering roll radius, anti-dive,
		air suspension with self-levelling
Suspension, rear	Five lin	k axle in aluminium construction, steerable, with anti-squat and
Suspension, real		e control, double acoustic decoupling, air suspension with self-
	anti-uiv	levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
<del></del>		Vented disc brakes, with single-piston floating callipers
Brakes, rear		SC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC
Driving stability systems		
		g Brake Control), DBC (Dynamic Brake Control), Dry Braking
Cefet		ding Compensation, Start-Off Assistant, Adaptive Suspension
Safety equipment		rbags for driver and front passenger, side airbags for driver and
	·	nger, head airbags for front and rear seats, knee airbag on the
		e, three-point inertia-reel seatbelts on all seats with belt latch
	tensioner a	and belt force limiter in the front, crash sensors, tyre pressure
		indicator
Steering		Electric Power Steering (EPS)
		ith Servotronic function, optional: Integral Active Steering
Steering ratio, overall	:1	16.9
Tyres, front/rear		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy
Transmission		
Type of transmission		Eight-speed Steptronic transmission
Gear ratios I	:1	4.714
	:1	3.143
III	:1	2.106
IV	:1	1.667
V	:1	1.285
VI	:1	1.000
VII	:1	0.839
VIII	:1	0.667
R	:1	3.317
Final drive	:1	3.077
Performance		
Acceleration 0–100 km/h	S	5.3
Top speed	km/h	250
Top speed (electric)	km/h	140
Electric range (WLTP)	km	47 – 55
BMW Efficient Dynamics	DMM/ = D=== + - + - +	pologic Flootric Dower Stooring Individual
BMW EfficientDynamics standard		nology, Electric Power Steering, hybrid-specific Auto Start Stor
features		um Shift Indicator, ECO PRO mode with coasting function and
		Assistant, BMW EfficientLightweight, optimised aerodynamic
		e air flap control, on-demand operation of ancillary units, map-
	regulated oil pu	mp, differential with optimised warm-up behaviour, tyres with reduced rolling resistance
Eurl Consumution FOE		
Fuel Consumption ECE Fuel consumption combined	I/100 km	2.2 – 2.2
CO <sub>2</sub> emissions from fuel		51 – 49
	g/km	
Electric power consumption combined	kWh/100 km	17.6 – 16.9
Emission rating		Euro 6d
LITHOSIULITALITY		Lui 0 0u

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

The values for fuel consumption,  $CO_2$  emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO<sub>2</sub>-emissions the CO<sub>2</sub> values may differ to the values stated here.

<sup>&</sup>lt;sup>1)</sup> Height including roof fin <sup>2)</sup> Oil change

# BMW 7 Series. 745Le xDrive.

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		BMW 745Le xDrive
		DINIW 7-TOEC ADTIVE
Body		
No of doors/seats		4/5
Length/width/height 1) (unladen)	mm	5260 / 1902 / 1479
Wheelbase	mm	3210
Track, front/rear	mm	1611 / 1640
Ground clearance	mm	135
Turning circle	m	13.1
Fuel tank capacity	approx. I	46
Engine oil 2)	1	6.5
Weight, unladen, to DIN/EU	kg	2105 / 2180
Max load to DIN	kg	600
Max permissible weight	kg	2705
Max axle load, front/rear	kg	1300 / 1500
Max roofload/max towbar download	kg	100 / –
Luggage comp capacity	1	420
Air resistance	c <sub>d</sub> x A	0.26 x 2.42
Power Unit		
Drive concept		Full-hybrid drive, drive torque from engine or electric motor or both transmitted to all four wheels via BMW xDrive
Max system output	kW/hp	290 / 394
Max system torque	Nm	600
System power-to-weight ratio (DIN)	kg/kW	7.3
-,,,,,,-,,-,,-,,-,,-		
Petrol Engine		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: TwinScroll turbocharger, High Precision Direct Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	CC	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		min. RON 91
Max output	kW/hp	210 / 286
at	rpm	5000 - 6000
Max torque	Nm	450
at	rpm	1600 – 3500
Output per litre	kW/l	70.1
Electric Motor		
Motor technology		BMW eDrive technology: synchronous electric motor integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery
Max output	kW/hp	83 / 113
at	rpm	3170
Max torque	Nm	265
at	rpm	100 – 2500
Recuperation output	kW	20
High-voltage battery		
Storage technology/installation		Lithium-ion / underneath rear seats
Voltage	V	354
	kWh	12.0
Energy capacity (gross) Charging time for 100% charge	kWh	
Energy capacity (gross)	kWh	12.0 3.6 h at 3.7 kW (16 A / 230 V)

		BMW 745Le xDrive
Driving Dynamics and Safety		
Suspension, front	Double-	wishbone axle in aluminium construction with separate lower
	Dodbio	track arm, small steering roll radius, anti-dive,
		air suspension with self-levelling
Suspension, rear	Five-link ayle i	n aluminium construction, steerable, with anti-squat and anti-
Suspension, real		double acoustic decoupling, air suspension with self-levelling
Brakes, front	dive control, t	Vented disc brakes, with four-piston fixed callipers
Brakes, rear		ented disc brakes, with single-piston floating callipers
Driving stability systems		C incl. ABS, ASC and DTC (Dynamic Traction Control), CBC
	, ,	Brake Control), DBC (Dynamic Brake Control), Dry Braking
	•	ing Compensation, Start-Off Assistant, DSC networked with
		rive all-wheel-drive system, Adaptive Suspension
Safety equipment		ags for driver and front passenger, side airbags for driver and
		ger, head airbags for front and rear seats, knee airbag on the
		three-point inertia-reel seatbelts on all seats with belt latch
	tensioner an	d belt force limiter in the front, crash sensors, tyre pressure
		indicator
Steering		Electric Power Steering (EPS)
	with	Servotronic function, optional: Integral Active Steering
Steering ratio, overall	:1	16.4
Tyres, front/rear		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy
-,		
Transmission		
Type of transmission		Eight-speed Steptronic transmission
Gear ratios I	:1	4.714
	:1	3.143
III	:1	2.106
IV	:1	1.667
V	:1	1.285
VI	:1	1.000
VII	:1	0.839
VIII	:1	0.667
R	:1	3.317
Final drive	:1	3.231
Performance		
Acceleration 0–100 km/h	S	5.1
Top speed	km/h	250
Top speed (electric)	km/h	140
Electric range (WLTP)	km	45 – 50
Liectric range (WETT)	KIII	40 - 30
BMW EfficientDynamics		
BMW EfficientDynamics standard	BMW eDrive techno	ology, Electric Power Steering, hybrid-specific Auto Start Sto
features		n Shift Indicator, ECO PRO mode with coasting function and
.outu.oo		Assistant, BMW EfficientLightweight, optimised aerodynamic
		air flap control, on-demand operation of ancillary units, map-
		efficiency-optimised all-wheel drive, differential with optimise
		p behaviour, tyres with reduced rolling resistance
	***************************************	,
Fuel Consumption ECE		
Fuel consumption combined	l/100 km	2.5 – 2.4
CO <sub>2</sub> emissions from fuel	g/km	58 – 55
Electric power consumption		
1.2 1	k/M/b/100 km	170 170
combined	kWh/100 km	17.9 – 17.8

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

The values for fuel consumption,  $CO_2$  emission and energy consumption shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO<sub>2</sub>-emissions the CO<sub>2</sub> values may differ to the values stated here.

<sup>1)</sup> Height including roof fin 2) Oil change

## BMW 7 Series. 730d.

		BMW 730d	
Body			
No. of doors/seats		4/5	
Length/width/height 1) (unladen)	mm	5120 / 1902 / 1467	
Wheelbase	mm	3070	
Track, front/rear	mm	1618 / 1646	
Ground clearance	mm	135	
Turning circle	m	12.3	
Tank capacity	approx. ltr	78	
Engine oil 2)	ltr	7.0	
Weight, unladen, to DIN/EU	kg	1875 / 1950	
Max. load to DIN	kg	685	
Max. permissible weight	kg	2560	
Max. axle load, front/rear	kg	1255 / 1400	
Max. trailer load,	kg		
braked (12%)/unbraked	9	2100 / 750	
Max. roof load/towbar download	kg	100 / 100	
Luggage comp. capacity	ltr	515	
Air resistance	C <sub>d</sub> x A		
Engine Config (No. of outs highers		in line IC I 4	
Config./No. of cyls./valves		in-line / 6 / 4	
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet geometry, common-rail direc injection with piezo injectors (max. injection pressure: 2700 bar)	
Effective capacity	cm <sup>3</sup>		
Stroke/bore	mm	90.0 / 84.0	
Compression ratio	:1	16.5	
Fuel		Diesel	
Output	kW/hp	210 / 286	
at	rpm	4000	
Torque	Nm	650	
at	rpm	1500 – 2500	
48V mild hybrid technology	.,,		
output	kW/hp	8/11	
Electrical System			
12V battery/installation	Ah/-	90 / luggage comp.	
48V battery/installation	Ah/-	11 / engine comp.	
40V Datterynnstallation	AII/	117 engine comp.	
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 DTC (Dynamic Traction Control),	
Driving stability systems	CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant, Adaptive Suspension		
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertiareel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator		
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Integral Active Steering	
Steering ratio, overall	:1	16.9	
Tyres, front/rear		225/60 R17 99Y	
Rims, front/rear		7.5J x 17 light-alloy	

			BMW 730d	
Transmission				
Type of gearbox			8-speed Steptronic	
Gear ratios	I	:1	5.500	
	II	:1	3.520	
	III	:1	2.200	
	IV	:1	1.720	
V	V	:1	1.317	
	VI	:1	1.000	
	VII	:1	0.823	
	VIII	:1	0.640	
	R	:1	3.993	
Final drive		:1	2.563	
Performance				
Power-to-weight rati	o (DIN)	kg/kW	8.9	
Output per litre		kW/l	70.2	
	100 km/h	S	5.9	
Top speed		km/h	250	

BMW EfficientDynamics standard features

Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter

Fuel consumption El	J cycle		
Urban	ltr/100 km	6.0 – 5.9	
Extra-urban	ltr/100 km	4.2 – 4.0	
Combined	ltr/100 km	4.9 – 4.7	
CO <sub>2</sub>	g/km	128 – 123	
Emission rating		Euro 6d	

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

## BMW 7 Series. 730d xDrive.

Rims, front/rear

		BMW 730d xDrive
Body No. of doors/seats		4/5
Length/width/height 1) (unladen)	mm	5120 / 1902 / 1467
		3070
Wheelbase Trook front/roor	mm	** *
Track, front/rear	mm	1617 / 1646
Ground clearance	mm	135
Turning circle	m	12.6
Tank capacity	approx. ltr	78
Engine oil 2)	ltr	7.0
Weight, unladen, to DIN/EU	kg	1935 / 2010
Max. load to DIN	kg	665
Max. permissible weight	kg	2600
Max. axle load, front/rear	kg	1298 / 1400
Max. trailer load,	kg	
braked (12%)/unbraked		2100 / 750
Max. roof load/towbar download	kg	100 / 100
Luggage comp. capacity	ltr	515
Air resistance	c <sub>d</sub> x A	0.24 x 2.41
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging,
Engine teermology		low-pressure turbocharger with variable inlet geometry, common-rail direct
		injection with piezo injectors (max. injection pressure: 2700 bar)
Effective capacity	cm <sup>3</sup>	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
	Id A / /bos	210 / 286
Output	kW/hp	
at	rpm	4000
Torque	Nm	650
at	rpm	1500 – 2500
48V mild hybrid technology	1.14/4	0.144
output	kW/hp	8/11
Electrical System		
12V battery/installation	Ah/-	90 / luggage comp.
48V battery/installation	Ah/–	11 / engine comp.
		<u> </u>
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 DTC (Dynamic Traction Control),
		CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying
		function, fading compensation, start-off assistant, DSC networked with
		xDrive all-wheel-drive system, Adaptive Suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and
		front passenger, head airbags for front and rear seats, three-point inertia-
		reel seatbelts on all seats with belt latch tensioner and belt force limiter at
		the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
		with Servotronic function; optional: Integral Active Steering
		vita i dei veti erile rarietieri, eptieriai, irtegrai Aetive eteerilig
Steering ratio overall	-1	16.4
Steering ratio, overall Tyres, front/rear	:1	16.4 225/60 R17 99Y

7.5J x 17 light-alloy

			BMW 730d xDrive
Transmission			
Type of gearbox			8-speed Steptronic
Gear ratios	I	:1	5.500
	II	:1	3.520
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	2.563
Performance			
Power-to-weight r	atio (DIN)	kg/kW	9.2
Output per litre		kW/l	70.2
Acceleration	0–100 km/h	S	5.6
Top speed		km/h	250

BMW EfficientDynamics standard features

Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter

Fuel consumption EU	J cycle		
Urban	ltr/100 km	6.5 – 6.3	
Extra-urban	ltr/100 km	4.5 – 4.3	
Combined	ltr/100 km	5.2 – 5.0	
CO <sub>2</sub>	g/km	138 – 133	
Emission rating		Euro 6d	

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

<sup>1)</sup> Height including roof aerial 2) Oil change volume

## BMW 7 Series. 730Ld.

		BMW 730Ld
Body		
No. of doors/seats		4/5
Length/width/height 1) (unladen)	mm	5260 / 1902 / 1479
Wheelbase	mm	3210
Track, front/rear	mm	
Ground clearance	mm	
Turning circle	m	
Tank capacity	approx. ltr	78
Engine oil 2)	ltr	7.0
Weight, unladen, to DIN/EU	kg	1915 / 1990
Max. load to DIN	kg	670
Max. permissible weight	kg	2585
Max. axle load, front/rear	kg	1275 / 1420
Max. trailer load,	kg	121011120
braked (12%)/unbraked	ı.g	2100/750
Max. roof load/towbar download	kg	100 / 100
Luggage comp. capacity	ltr	
Air resistance	C <sub>d</sub> x A	
- II resistance	CuxA	O.E.T. A. E.T.E.
Engine		12 Fee 10 14
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet geometry, common-rail direc injection with piezo injectors (max. injection pressure: 2700 bar)
Effective capacity	cm <sup>3</sup>	
Stroke/bore	mm	
Compression ratio	:1	16.5
Fuel	• • • • • • • • • • • • • • • • • • • •	Diesel
Output	kW/hp	210 / 286
at	rpm	1000
Torque	Nm	
at	rpm	
48V mild hybrid technology	.,	1000 2000
output	kW/hp	8/11
Electrical System		
12V battery/installation	Ah/-	90 / luggage comp.
48V battery/installation	Ah/-	
40V Dattery/IIIStallation	AII/	117 engine comp.
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 DTC (Dynamic Traction Control),
Driving stability systems		CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying
Safaty aguinment		function, fading compensation, start-off assistant, Adaptive Suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-
		reel seatbelts on all seats with belt latch tensioner and belt force limiter at
		the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
		with Servotronic function; optional: Integral Active Steering
Steering ratio, overall	:1	16.9
Tyres, front/rear		225/60 R17 99Y
Rims, front/rear		7.5J x 17 light-alloy

			BMW 730Ld	
Transmission				
Type of gearbox			8-speed Steptronic	
Gear ratios	I	:1	4.714	
	II	:1	3.143	
	III	:1	2.106	
	IV	:1	1.667	
V	V	:1	1.285	
	VI	:1	1.000	
	VII	:1	0.839	
	VIII	:1	0.667	
	R	:1	3.317	
Final drive		:1	2.563	
Performance				
Power-to-weight ratio	(DIN)	kg/kW	9.1	
Output per litre		kW/l	70.2	
Acceleration 0–1	00 km/h	S	6.0	
Top speed		km/h	250	

BMW EfficientDynamics standard features

Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter

**Fuel consumption EU cycle** 6.2 – 6.0 ltr/100 km Urban Itr/100 km Extra-urban 4.3 - 4.1Combined Itr/100 km 5.0 - 4.8130 – 126 Emission rating Euro 6d

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

# BMW 7 Series. 730Ld xDrive.

		BMW 730Ld xDrive	
Body		A 1.5	
No. of doors/seats		4/5	
Length/width/height 1) (unladen)	mm	5260 / 1902 / 1479	
Wheelbase	mm	3210	
Track, front/rear	mm	1617 / 1646	
Ground clearance	mm	135	
Turning circle	m	13.1	
Tank capacity	approx. ltr	78	
Engine oil 2)	ltr .	7.0	
Weight, unladen, to DIN/EU	kg	1975 / 2050	
Max. load to DIN	kg	695	
Max. permissible weight	kg	2670	
Max. axle load, front/rear	kg	1330 / 1435	
Max. trailer load,	kg		
braked (12%)/unbraked		2100 / 750	
Max. roof load/towbar download	kg	100 / 100	
Luggage comp. capacity	ltr	515	
Air resistance	c <sub>d</sub> x A	0.24 x 2.42	
Engine			
Config./No. of cyls./valves		in-line / 6 / 4	
Engine technology	BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet geometry, common-rail direc		
Effective capacity	cm <sup>3</sup>	injection with piezo injectors (max. injection pressure: 2700 bar) 2993	
Effective capacity Stroke/bore			
	mm	90.0 / 84.0	
Compression ratio	:1	16.5	
Fuel	1.\ \ / //= -=	Diesel	
Output	kW/hp	210 / 286	
at	rpm	4000	
Torque	Nm	650	
at	rpm	1500 – 2500	
48V mild hybrid technology	1347/6	0.144	
output	kW/hp	8 / 11	
Electrical System			
12V battery/installation	Ah/-	90 / luggage comp.	
48V battery/installation	Ah/-	11 / engine comp.	
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 DTC (Dynamic Traction Control),	
		CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying	
		function, fading compensation, start-off assistant, DSC networked with	
		xDrive all-wheel-drive system, Adaptive Suspension	
Safety equipment	;	Standard: airbags for driver and front passenger, side airbags for driver and	
		front passenger, head airbags for front and rear seats, three-point inertia-	
		reel seatbelts on all seats with belt latch tensioner and belt force limiter at	
		the front seats, crash sensors, Tyre Pressure Indicator	
Steering		Electromechanical rack-and-pinion power steering (EPS)	
		with Servotronic function; optional: Integral Active Steering	
Steering ratio, overall	:1	16.4	
Tyres, front/rear		225/60 R17 99Y	
Rims, front/rear		7.5J x 17 light-alloy	

			DINUTES L. D.	
			BMW 730Ld xDrive	
Transmission				
Type of gearbox	X .		8-speed Steptronic	
Gear ratios	l	:1	4.714	
	II	:1	3.143	
	III	:1	2.106	
	IV	:1	1.667	
	V	:1	1.285	
	VI	:1	1.000	
	VII	:1	0.839	
	VIII	:1	0.667	
	R	:1	3.317	
Final drive		:1	2.563	
Performance				
Power-to-weigh	nt ratio (DIN)	kg/kW	9.4	
Output per litre	· '	kW/l	70.2	
Acceleration	0–100 km/h	S	5.7	
Top speed		km/h	250	

BMW EfficientDynamics standard features

Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter

Fuel consumption EU cycle				
Urban	ltr/100 km	6.5 – 6.3		
Extra-urban	ltr/100 km	4.5 – 4.3		
Combined	ltr/100 km	5.3 – 5.1		
CO <sub>2</sub>	g/km	139 – 133		
Emission rating		Euro 6d		

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

# BMW 7 Series. 740d xDrive.

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		BMW 740d xDrive
		DIMIT 7 TOO XDITTO
Body		
No. of doors/seats		4/5
Length/width/height 1) (unladen)	mm	5120 / 1902 / 1467
Wheelbase	mm	3070
Track, front/rear	mm	1611 / 1640
Ground clearance	mm	135
Turning circle	m	12.6
Tank capacity	approx. ltr	78
Engine oil 2)	ltr	7.0
Weight, unladen, to DIN/EU	kg	1955 / 2030
Max. load to DIN	kg	685
Max. permissible weight	kg	2640
Max. axle load, front/rear	kg	1340 / 1420
Max. trailer load,	kg	0000 1750
braked (12%)/unbraked		2300 / 750
Max. roof load/towbar download	kg	100 / 100
Luggage comp. capacity	<u>ltr</u>	515
Air resistance	c <sub>d</sub> x A	0.27 x 2.41
Engine		
Engine Config./No. of cyls./valves		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 fuel injection with piezo injectors
		(max. injection pressure: 2700 bar)
Effective capacity	cm <sup>3</sup>	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	250 / 340
at	rpm	4400
Torque	Nm	700
at	rpm	1750 – 2250
48V mild hybrid technology	.,,	
output	kW/hp	8/11
•		
Electrical System		
12V battery/installation	Ah/-	90 / luggage comp.
48V battery/installation	Ah/-	11 / engine 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 DTC (Dynamic Traction Control),
		CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying
		function, fading compensation, start-off assistant, DSC networked with xDrive all-wheel-drive system, Adaptive Suspension
Safaty aguinment		Standard: airbags for driver and front passenger, side airbags for driver and
Safety equipment		front passenger, head airbags for front and rear seats, three-point inertia-
		reel seatbelts on all seats with belt latch tensioner and belt force limiter at
		the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
Otooning		with Servotronic function; optional: Integral Active Steering
Steering ratio, overall	:1	16.4
Tyres, front/rear		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy
,		55 / 15 ng. 1. 5mg/

			BMW 740d xDrive
Transmission			
Type of gearbox			8-speed Steptronic
Gear ratios	I	:1	5.500
	II	:1	3.520
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	2.563
Performance			
Power-to-weight r	atio (DIN)	kg/kW	7.8
Output per litre		kW/l	83.5
Acceleration (	0–100 km/h	S	5.0
Top speed		km/h	250

BMW EfficientDynamics standard features

Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter

Fuel consumption EU	l cycle		
Urban	ltr/100 km	6.7 – 6.4	
Extra-urban	ltr/100 km	4.6 – 4.4	
Combined	ltr/100 km	5.4 – 5.2	
CO <sub>2</sub>	g/km	142 – 136	
Emission rating		Euro 6d	

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

<sup>1)</sup> Height including roof aerial 2) Oil change volume

# BMW 7 Series. 740Ld xDrive.

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	BMW 740Ld xDrive		
Dady			
Body No. of doors/seats		A 1 E	
		4/5	
Length/width/height 1) (unladen)	mm	5260 / 1902 / 1479	
Wheelbase	mm	3210	
Track, front/rear	mm	1611 / 1640	
Ground clearance	mm	135	
Turning circle	m	13.1	
Tank capacity	approx. Itr	78	
Engine oil 2)	ltr	7.0	
Weight, unladen, to DIN/EU	kg	2000 / 2075	
Max. load to DIN	kg	670	
Max. permissible weight	kg	2670	
Max. axle load, front/rear	kg	1365 / 1425	
Max. trailer load,	kg		
braked (12%)/unbraked	9	2300 / 750	
Max. roof load/towbar download	kg	100 / 100	
Luggage comp. capacity	ltr		
Air resistance	C <sub>d</sub> x A	0.27 x 2.42	
All Tesistance	Cd X A	0.27 X 2.42	
Engine			
Config./No. of cyls./valves		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 fuel injection with piezo injectors	
		(max. injection pressure: 2700 bar)	
Effective capacity	cm <sup>3</sup>	2993	
Stroke/bore	mm	90.0 / 84.0	
Compression ratio	:1	16.5	
Fuel	134/	Diesel	
Output	kW/hp	250 / 340	
at	rpm	4400	
Torque	Nm	700	
at	rpm	1750 – 2250	
48V mild hybrid technology			
output	kW/hp	8/11	
Electrical System			
12V battery/installation	Ah/-	90 / luggage comp.	
48V battery/installation	Ah/-	11 / engine comp.	
48V Dattery/IIIStaliation	Ai ii-	117 engine comp.	
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 DTC (Dynamic Traction Control),	
Driving stability systems		CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying	
		function, fading compensation, start-off assistant, DSC networked with	
		xDrive all-wheel-drive system, Adaptive Suspension	
Cofety aguinment			
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and	
		front passenger, head airbags for front and rear seats, three-point inertia-	
		reel seatbelts on all seats with belt latch tensioner and belt force limiter at	
0		the front seats, crash sensors, Tyre Pressure Indicator	
Steering		Electromechanical rack-and-pinion power steering (EPS)	
		with Servotronic function; optional: Integral Active Steering	
Steering ratio, overall	:1	16.4	
Tyres, front/rear		245/50 R18 100Y	
Rims, front/rear		8J x 18 light-alloy	

			BMW 740Ld xDrive
Transmission			
Type of gearbox			8-speed Steptronic
Gear ratios	I	:1	4.714
	II	:1	3.143
	III	:1	2.106
	IV	:1	1.667
	V	:1	1.285
	VI	:1	1.000
	VII	:1	0.839
	VIII	:1	0.667
	R	:1	3.317
Final drive		:1	2.563
Performance			
Power-to-weight rati	o (DIN)	kg/kW	8.0
Output per litre		kW/l	83.5
Acceleration 0-	100 km/h	S	5.1
Top speed		km/h	250

BMW EfficientDynamics standard features

Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter

Fuel consumption EU	l cycle		
Urban	ltr/100 km	6.7 – 6.5	
Extra-urban	ltr/100 km	4.7 – 4.5	
Combined	ltr/100 km	5.4 – 5.2	
CO <sub>2</sub>	g/km	143 – 137	
Emission rating		Euro 6d	

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

<sup>1)</sup> Height including roof aerial 2) Oil change volume