

# Specifications.

## BMW 7 Series.

### 730d.



BMW 730d		
<b>Body</b>		
No. of doors/seats		4 / 5
Length/width/height <sup>1)</sup> (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 <sup>2)</sup>	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, braked (12%/unbraked)	kg	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
<b>Engine</b>		
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 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
Output	kW/hp	210 / 286
at	rpm	4000
Torque	Nm	650
at	rpm	1500 – 2500
48V mild hybrid technology output	kW/hp	8 / 11
<b>Electrical System</b>		
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, 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 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	: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 ratio (DIN)		kg/kW	8.9
Output per litre		kW/l	70.2
Acceleration	0–100 km/h	s	5.9
Top speed		km/h	250
BMW EfficientDynamics			
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			
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>1)</sup> Height including roof aerial  
<sup>2)</sup> Oil change volume

The values for fuel consumption, CO<sub>2</sub> 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.

# BMW 7 Series. 730d xDrive.

BMW 730d xDrive		
<b>Body</b>		
No. of doors/seats		4 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	5120 / 1902 / 1467
Wheelbase	mm	3070
Track, front/rear	mm	1617 / 1646
Ground clearance	mm	135
Turning circle	m	12.6
Tank capacity	approx. ltr	78
Engine oil <sup>2)</sup>	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, braked (12%/unbraked)	kg	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
<b>Engine</b>		
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 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
Output	kW/hp	210 / 286
at	rpm	4000
Torque	Nm	650
at	rpm	1500 – 2500
48V mild hybrid technology output	kW/hp	8 / 11
<b>Electrical System</b>		
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, 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

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 ratio (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			
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	5.2 – 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  
<sup>2)</sup> Oil change volume

The values for fuel consumption, CO<sub>2</sub> 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.

# BMW 7 Series. 730Ld.

BMW 730Ld		
<b>Body</b>		
No. of doors/seats		4 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	5260 / 1902 / 1479
Wheelbase	mm	3210
Track, front/rear	mm	1618 / 1646
Ground clearance	mm	135
Turning circle	m	12.8
Tank capacity	approx. ltr	78
Engine oil <sup>2)</sup>	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, braked (12%/unbraked)	kg	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
<b>Engine</b>		
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 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
Output	kW/hp	210 / 286
at	rpm	4000
Torque	Nm	650
at	rpm	1500 – 2500
48V mild hybrid technology output	kW/hp	8 / 11
<b>Electrical System</b>		
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, 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	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 ratio (DIN)		kg/kW	9.1
Output per litre		kW/l	70.2
Acceleration	0–100 km/h	s	6.0
Top speed		km/h	250
BMW EfficientDynamics			
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			
Urban	ltr/100 km	6.2 – 6.0	
Extra-urban	ltr/100 km	4.3 – 4.1	
Combined	ltr/100 km	5.0 – 4.8	
CO <sub>2</sub>	g/km	130 – 126	
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  
<sup>2)</sup> Oil change volume

The values for fuel consumption, CO<sub>2</sub> 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.

# BMW 7 Series. 730Ld xDrive.

BMW 730Ld xDrive		
<b>Body</b>		
No. of doors/seats		4 / 5
Length/width/height <sup>1)</sup> (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 <sup>2)</sup>	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, braked (12%/unbraked)	kg	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
<b>Engine</b>		
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 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
Output	kW/hp	210 / 286
at	rpm	4000
Torque	Nm	650
at	rpm	1500 – 2500
48V mild hybrid technology output	kW/hp	8 / 11
<b>Electrical System</b>		
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, 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

BMW 730Ld 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 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			
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>1)</sup> Height including roof aerial  
<sup>2)</sup> Oil change volume

The values for fuel consumption, CO<sub>2</sub> 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.



# BMW 7 Series. 740d xDrive.

BMW 740d xDrive		
<b>Body</b>		
No. of doors/seats		4 / 5
Length/width/height <sup>1)</sup> (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 <sup>2)</sup>	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, braked (12%/unbraked)	kg	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 2.41
<b>Engine</b>		
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
<b>Electrical System</b>		
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, 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		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy

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 ratio (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			
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	6.7 – 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  
<sup>2)</sup> Oil change volume

The values for fuel consumption, CO<sub>2</sub> 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.

# BMW 7 Series. 740Ld xDrive.

BMW 740Ld xDrive		
<b>Body</b>		
No. of doors/seats		4 / 5
Length/width/height <sup>1)</sup> (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 <sup>2)</sup>	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, braked (12%/unbraked)	kg	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
<b>Engine</b>		
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
<b>Electrical System</b>		
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, networked with xDrive all- wheel-drive system; optional: 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		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	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 ratio (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			
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	6.7 – 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  
<sup>2)</sup> Oil change volume

The values for fuel consumption, CO<sub>2</sub> 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.