

# Specifications.

## BMW 7 Series.

### 740e iPerformance.



BMW 740e iPerformance		
<b>Body</b>		
No. of doors/seats		4 / 5
Length/width/height (unladen)	mm	5098 / 1902 / 1467
Wheelbase	mm	3070
Track, front/rear	mm	1617 / 1646
Ground clearance	mm	135
Turning circle	m	12.3
Tank capacity	approx. ltr	46
Engine oil <sup>1)</sup>	ltr	5.25
Weight, unladen, to DIN/EU	kg	1900 / 1975
Max. load to DIN	kg	685
Max. permissible weight	kg	2585
Max. axle load, front/rear	kg	1170 / 1490
Max. trailer load, braked (12%)/unbraked	kg	- / -
Max. roof load/towbar download	kg	100 / -
Luggage comp. capacity	ltr	420
Air resistance	C <sub>d</sub> x A	0.25 x 2.42
<b>Drive system</b>		
Drive concept		Full hybrid drive, torque vectoring to rear wheels from one or both units
System output	kW/hp	240 / 326
System torque	Nm	500
System power-to-weight ratio (DIN)	kg/kW	7.9
<b>Combustion Engine</b>		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cm <sup>3</sup>	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	10.2
Fuel		min RON 91
Output	kW/hp	190 / 258
at	rpm	5000 – 6500
Torque	Nm	400
at	rpm	1550 – 4400
Output per litre	kW/l	95.1
<b>Electric motor</b>		
Motor technology		BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery
Max output	kW/hp	83 / 113
at	rpm	3170
Torque	Nm	250
at	rpm	0 – 3170
Recuperation output	kW	20
<b>High-voltage battery</b>		
Storage technology / installation		lithium-ion / underneath rear seat
Voltage	V	351
Capacity (gross)	kWh	9.2
Charging time for 100 % charge		2.7 h at 3.7 kW (16 A / 230 V)

BMW 740e iPerformance			
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; 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	16.9
Tyres, front/rear		225/60 R17 99Y	
Rims, front/rear		7.5J x 17 light-alloy	
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	3.077
Performance			
Acceleration		0–100 km/h	s 5.4
Top speed		km/h	250
Top speed electric		km/h	140
Electric range		km	41
BMW EfficientDynamics			
BMW EfficientDynamics standard features		BMW eDrive technology, Electric Power Steering (EPS), hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air vents, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, rear differential with optimised warm-up behaviour, tyres with reduced roll resistance	
Fuel consumption EU cycle			
Combined		ltr/100 km	2.5 – 2.3
CO <sub>2</sub> emissions from fuel		g/km	56 – 51
Power consumption comb.		kWh/100 km	13.9 – 13.4
Emission rating		EU6d-TEMP	

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. 740Le iPerformance.

BMW 740Le iPerformance		
<b>Body</b>		
No. of doors/seats		4 / 5
Length/width/height (unladen)	mm	5238 / 1902 / 1479
Wheelbase	mm	3210
Track, front/rear	mm	1617 / 1646
Ground clearance	mm	135
Turning circle	m	12.8
Tank capacity	approx. ltr	46
Engine oil <sup>1)</sup>	ltr	5.25
Weight, unladen, to DIN/EU	kg	1940 / 2015
Max. load to DIN	kg	660
Max. permissible weight	kg	2600
Max. axle load, front/rear	kg	1185 / 1490
Max. trailer load, braked (12%/unbraked)	kg	- / -
Max. roof load/towbar download	kg	100 / -
Luggage comp. capacity	ltr	420
Air resistance	C <sub>d</sub> x A	0.25 x 2.42
<b>Drive system</b>		
Drive concept		Full hybrid drive, torque vectoring to rear wheels from one or both units
System output	kW/hp	240 / 326
System torque	Nm	500
System power-to-weight ratio (DIN)	kg/kW	8.1
<b>Combustion Engine</b>		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cm <sup>3</sup>	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	10.2
Fuel		min RON 91
Output	kW/hp	190 / 258
at	rpm	5000 – 6500
Torque	Nm	400
at	rpm	1550 – 4400
Output per litre	kW/l	95.1
<b>Electric motor</b>		
Motor technology		BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery
Max output	kW/hp	83 / 113
at	rpm	3170
Torque	Nm	250
at	rpm	0 – 3170
Recuperation output	kW	20
<b>High-voltage battery</b>		
Storage technology / installation		lithium-ion / underneath rear seat
Voltage	V	351
Capacity (gross)	kWh	9.2
Charging time for 100 % charge		2.7 h at 3.7 kW (16 A / 230 V)

BMW 740Le iPerformance			
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; 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	16.9
Tyres, front/rear		225/60 R17 99Y	
Rims, front/rear		7.5J x 17 light-alloy	
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	3.077
Performance			
Acceleration		0–100 km/h	s 5.5
Top speed		km/h	250
Top speed electric		km/h	140
Electric range		km	41
BMW EfficientDynamics			
BMW EfficientDynamics standard features		BMW eDrive technology, Electric Power Steering (EPS), hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air vents, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, rear differential with optimised warm-up behaviour, tyres with reduced roll resistance	
Fuel consumption EU cycle			
Combined		ltr/100 km	2.5 – 2.3
CO <sub>2</sub> emissions from fuel		g/km	57 – 52
Power consumption comb.		kWh/100 km	14.0 – 13.5
Emission rating		EU6d-TEMP	

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. 740Le xDrive iPerformance.

BMW 740Le xDrive iPerformance		
<b>Body</b>		
No. of doors/seats		4 / 5
Length/width/height (unladen)	mm	5238 / 1902 / 1479
Wheelbase	mm	3210
Track, front/rear	mm	1617 / 1646
Ground clearance	mm	135
Turning circle	m	12.9
Tank capacity	approx. ltr	46
Engine oil <sup>1)</sup>	ltr	5.25
Weight, unladen, to DIN/EU	kg	2000 / 2075
Max. load to DIN	kg	655
Max. permissible weight	kg	2655
Max. axle load, front/rear	kg	1235 / 1490
Max. trailer load, braked (12%/unbraked)	kg	- / -
Max. roof load/towbar download	kg	100 / -
Luggage comp. capacity	ltr	420
Air resistance	C <sub>d</sub> x A	0.25 x 2.42
<b>Drive system</b>		
Drive concept		Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive
System output	kW/hp	240 / 326
System torque	Nm	500
System power-to-weight ratio (DIN)	kg/kW	8.3
<b>Combustion Engine</b>		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cm <sup>3</sup>	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	10.2
Fuel		min RON 91
Output	kW/hp	190 / 258
at	rpm	5000 – 6500
Torque	Nm	400
at	rpm	1550 – 4400
Output per litre	kW/l	95.1
<b>Electric motor</b>		
Motor technology		BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery
Max output	kW/hp	83 / 113
at	rpm	3170
Torque	Nm	250
at	rpm	0 – 3170
Recuperation output	kW	20
<b>High-voltage battery</b>		
Storage technology / installation		lithium-ion / underneath rear seat
Voltage	V	351
Capacity (gross)	kWh	9.2
Charging time for 100 % charge		2.7 h at 3.7 kW (16 A / 230 V)

BMW 740Le xDrive iPerformance			
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, 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	16.9
Tyres, front/rear		225/60 R17 99Y	
Rims, front/rear		7.5J x 17 light-alloy	
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	3.231
Performance			
Acceleration		0–100 km/h	s 5.3
Top speed		km/h	250
Top speed electric		km/h	140
Electric range		km	38
BMW EfficientDynamics			
BMW EfficientDynamics standard features		BMW eDrive technology, Electric Power Steering (EPS), hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air vents, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, rear differential and power divider with optimised warm-up behaviour, tyres with reduced roll resistance	
Fuel consumption EU cycle			
Combined		ltr/100 km	2.9 – 2.8
CO <sub>2</sub> emissions from fuel		g/km	65 – 64
Power consumption comb.		kWh/100 km	14.8 – 14.8
Emission rating		EU6d-TEMP	

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.

BMW 730d		
<b>Body</b>		
No. of doors/seats		4 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	5098 / 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	6.5
Weight, unladen, to DIN/EU	kg	1770 / 1845
Max. load to DIN	kg	680
Max. permissible weight	kg	2450
Max. axle load, front/rear	kg	1175 / 1335
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: turbocharger with variable inlet geometry, common rail direct fuel injection with piezo injectors (max. injection pressure: 2500 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	195 / 265
at	rpm	4000
Torque	Nm	620
at	rpm	2000 – 2500
<b>Electrical System</b>		
Battery/Installation	Ah/–	105 / luggage 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; 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	16.9
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	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.563
Performance			
Power-to-weight ratio (DIN)		kg/kW	9.1
Output per litre		kW/l	65.2
Acceleration	0–100 km/h	s	6.1
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter	
Fuel consumption EU cycle			
Urban	ltr/100 km	6.4 – 6.2	
Extra-urban	ltr/100 km	5.0 – 4.8	
Combined	ltr/100 km	5.5 – 5.3	
CO <sub>2</sub>	g/km	145 – 139	
Emission rating		EU6c	

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

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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	5098 / 1902 / 1467
Wheelbase	mm	3070
Track, front/rear	mm	1617 / 1646
Ground clearance	mm	135
Turning circle	m	12.5
Tank capacity	approx. ltr	78
Engine oil <sup>2)</sup>	ltr	6.5
Weight, unladen, to DIN/EU	kg	1845 / 1920
Max. load to DIN	kg	695
Max. permissible weight	kg	2540
Max. axle load, front/rear	kg	1220 / 1385
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	0.25 x 2.41
<b>Engine</b>		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common rail direct fuel injection with piezo injectors (max. injection pressure: 2500 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	195 / 265
at	rpm	4000
Torque	Nm	620
at	rpm	2000 – 2500
<b>Electrical System</b>		
Battery/Installation	Ah/–	105 / luggage 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	16.9
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	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.563
Performance			
Power-to-weight ratio (DIN)		kg/kW	9.5
Output per litre		kW/l	65.2
Acceleration	0–100 km/h	s	5.8
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter	
Fuel consumption EU cycle			
Urban	ltr/100 km	6.9 – 6.9	
Extra-urban	ltr/100 km	5.1 – 4.9	
Combined	ltr/100 km	5.8 – 5.6	
CO <sub>2</sub>	g/km	152 – 148	
Emission rating		EU6c	

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	5098 / 1902 / 1467
Wheelbase	mm	3070
Track, front/rear	mm	1617 / 1646
Ground clearance	mm	135
Turning circle	m	12.5
Tank capacity	approx. ltr	78
Engine oil <sup>2)</sup>	ltr	6.5
Weight, unladen, to DIN/EU	kg	1870 / 1945
Max. load to DIN	kg	660
Max. permissible weight	kg	2530
Max. axle load, front/rear	kg	1250 / 1360
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	0.25 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: 2500 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	235 / 320
at	rpm	4400
Torque	Nm	680
at	rpm	1750 – 2250
<b>Electrical System</b>		
Battery/Installation	Ah/–	105 / luggage 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	16.9
Tyres, front/rear		225/60 R17 99Y
Rims, front/rear		7.5J x 17 light-alloy

BMW 740d xDrive			
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.563
Performance			
Power-to-weight ratio (DIN)		kg/kW	8.0
Output per litre		kW/l	78.5
Acceleration	0–100 km/h	s	5.2
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter	
Fuel consumption EU cycle			
Urban	ltr/100 km	7.6 – 7.3	
Extra-urban	ltr/100 km	5.2 – 5.1	
Combined	ltr/100 km	6.1 – 5.9	
CO <sub>2</sub>	g/km	160 – 156	
Emission rating		EU6c	

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. 750d xDrive.

BMW 750d xDrive		
<b>Body</b>		
No. of doors/seats		4 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	5098 / 1902 / 1467
Wheelbase	mm	3070
Track, front/rear	mm	1611 / 1640
Ground clearance	mm	135
Turning circle	m	12.5
Tank capacity	approx. ltr	78
Engine oil <sup>2)</sup>	ltr	6.5
Weight, unladen, to DIN/EU	kg	1950 / 2025
Max. load to DIN	kg	680
Max. permissible weight	kg	2630
Max. axle load, front/rear	kg	1300 / 1400
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	0.26 x 2.41
<b>Engine</b>		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology: multi-stage charging with four 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 pressure: >2500 bar)	
Effective capacity	cm <sup>3</sup>	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.0
Fuel		Diesel
Output	kW/hp	294 / 400
at	rpm	4400
Torque	Nm	760
at	rpm	2000 – 3000
<b>Electrical System</b>		
Battery/Installation	Ah/–	105 / luggage 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	16.9
Tyres, front/rear		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy

BMW 750d xDrive			
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.813
Performance			
Power-to-weight ratio (DIN)		kg/kW	6.6
Output per litre		kW/l	98.2
Acceleration	0–100 km/h	s	4.6
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter	
Fuel consumption EU cycle			
Urban	ltr/100 km	8.0 – 7.6	
Extra-urban	ltr/100 km	5.4 – 5.4	
Combined	ltr/100 km	6.4 – 6.2	
CO <sub>2</sub>	g/km	168 – 164	
Emission rating		EU6c	

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	5238 / 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	6.5
Weight, unladen, to DIN/EU	kg	1820 / 1895
Max. load to DIN	kg	670
Max. permissible weight	kg	2490
Max. axle load, front/rear	kg	1200 / 1380
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	0.25 x 2.42
<b>Engine</b>		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common rail direct fuel injection with piezo injectors (max. injection pressure: 2500 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	195 / 265
at	rpm	4000
Torque	Nm	620
at	rpm	2000 – 2500
<b>Electrical System</b>		
Battery/Installation	Ah/–	105 / luggage 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; 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	16.9
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	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.563
Performance			
Power-to-weight ratio (DIN)		kg/kW	9.3
Output per litre		kW/l	65.2
Acceleration	0–100 km/h	s	6.2
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter	
Fuel consumption EU cycle			
Urban	ltr/100 km	6.5 – 6.4	
Extra-urban	ltr/100 km	5.1 – 4.9	
Combined	ltr/100 km	5.6 – 5.4	
CO <sub>2</sub>	g/km	148 – 143	
Emission rating		EU6c	

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	5238 / 1902 / 1479
Wheelbase	mm	3210
Track, front/rear	mm	1617 / 1646
Ground clearance	mm	135
Turning circle	m	12.9
Tank capacity	approx. ltr	78
Engine oil <sup>2)</sup>	ltr	6.5
Weight, unladen, to DIN/EU	kg	1880 / 1955
Max. load to DIN	kg	700
Max. permissible weight	kg	2580
Max. axle load, front/rear	kg	1245 / 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	0.25 x 2.42
<b>Engine</b>		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common rail direct fuel injection with piezo injectors (max. injection pressure: 2500 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	195 / 265
at	rpm	4000
Torque	Nm	620
at	rpm	2000 – 2500
<b>Electrical System</b>		
Battery/Installation	Ah/–	105 / luggage 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	16.9
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	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.563
Performance			
Power-to-weight ratio (DIN)		kg/kW	9.6
Output per litre		kW/l	65.2
Acceleration	0–100 km/h	s	5.9
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter	
Fuel consumption EU cycle			
Urban	ltr/100 km	6.9 – 6.9	
Extra-urban	ltr/100 km	5.2 – 4.9	
Combined	ltr/100 km	5.8 – 5.7	
CO <sub>2</sub>	g/km	153 – 149	
Emission rating		EU6c	

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	5238 / 1902 / 1479
Wheelbase	mm	3210
Track, front/rear	mm	1617 / 1646
Ground clearance	mm	135
Turning circle	m	12.9
Tank capacity	approx. ltr	78
Engine oil <sup>2)</sup>	ltr	6.5
Weight, unladen, to DIN/EU	kg	1915 / 1990
Max. load to DIN	kg	655
Max. permissible weight	kg	2570
Max. axle load, front/rear	kg	1270 / 1380
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	0.25 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: 2500 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	235 / 320
at	rpm	4400
Torque	Nm	680
at	rpm	1750 – 2250
<b>Electrical System</b>		
Battery/Installation	Ah/–	105 / luggage 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	16.9
Tyres, front/rear		225/60 R17 99Y
Rims, front/rear		7.5J x 17 light-alloy

BMW 740Ld xDrive			
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.563
Performance			
Power-to-weight ratio (DIN)		kg/kW	8.1
Output per litre		kW/l	78.5
Acceleration	0–100 km/h	s	5.3
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter	
Fuel consumption EU cycle			
Urban	ltr/100 km	7.8 – 7.6	
Extra-urban	ltr/100 km	5.2 – 5.2	
Combined	ltr/100 km	6.2 – 6.0	
CO <sub>2</sub>	g/km	163 – 159	
Emission rating		EU6c	

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. 750Ld xDrive.

BMW 750Ld xDrive		
<b>Body</b>		
No. of doors/seats		4 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	5238 / 1902 / 1479
Wheelbase	mm	3210
Track, front/rear	mm	1611 / 1640
Ground clearance	mm	135
Turning circle	m	12.9
Tank capacity	approx. ltr	78
Engine oil <sup>2)</sup>	ltr	6.5
Weight, unladen, to DIN/EU	kg	1980 / 2055
Max. load to DIN	kg	690
Max. permissible weight	kg	2670
Max. axle load, front/rear	kg	1310 / 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	0.26 x 2.42
<b>Engine</b>		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology: multi-stage charging with four 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 pressure: >2500 bar)	
Effective capacity	cm <sup>3</sup>	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.0
Fuel		Diesel
Output	kW/hp	294 / 400
at	rpm	4400
Torque	Nm	760
at	rpm	2000 – 3000
<b>Electrical System</b>		
Battery/Installation	Ah/–	105 / luggage 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	16.9
Tyres, front/rear		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy

BMW 750Ld xDrive			
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.813
Performance			
Power-to-weight ratio (DIN)		kg/kW	6.7
Output per litre		kW/l	98.2
Acceleration	0–100 km/h	s	4.7
Top speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter	
Fuel consumption EU cycle			
Urban	ltr/100 km	8.2 – 7.7	
Extra-urban	ltr/100 km	5.4 – 5.4	
Combined	ltr/100 km	6.4 – 6.3	
CO <sub>2</sub>	g/km	169 – 165	
Emission rating		EU6c	

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.