

Specifications.

The new BMW 7 Series.

750i xDrive.



BMW 750i xDrive		
Body		
No of doors/seats		4 / 5
Length/width/height ¹⁾ (unladen)	mm	5120 / 1902 / 1467
Wheelbase	mm	3070
Track, front/rear	mm	1621 / 1650
Ground clearance	mm	135
Turning circle	m	12.5
Fuel tank capacity	approx. l	78
Engine oil ²⁾	l	10.5
Weight, unladen, to DIN/EU	kg	1965 / 2040
Max load to DIN	kg	675
Max permissible weight	kg	2640
Max axle load, front/rear	kg	1330 / 1380
Max trailer load, braked (12%/unbraked)	kg	2300 / 750
Max roofload/max towbar download	kg	100 / 100
Luggage comp capacity	l	515
Air resistance	c _d x A	0.27 x 2.41
Power Unit		
Config/No of cyls/valves		V / 8 / 4
Engine technology		BMW TwinPower Turbo technology: two TwinScroll turbochargers, High Precision Direct Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cc	4395
Stroke/bore	mm	88.3 / 89.0
Compression ratio	:1	10.5
Fuel		min. RON 91
Max output	kW/hp	390 / 530
at	rpm	5500 – 6000
Max torque	Nm	750
at	rpm	1800 – 4600
Electrical System		
Battery/installation	Ah/–	90 / luggage compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower 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 anti-dive control, double acoustic decoupling, air suspension with self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, xDrive all-wheel-drive system networked with DSC, Dynamic Damper Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, knee airbag on the driver's side, three-point inertia-reel seatbelts on all seats with belt latch tensioner and 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	16.3

Tyres, front/rear	245/45 R19 102Y XL
Rims, front/rear	8.5J x 19 light-alloy

BMW 750i xDrive			
Transmission			
Type of transmission	Eight-speed Steptronic transmission		
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	2.813
Performance			
Power-to-weight ratio (DIN)	kg/kW		5.0
Output per litre	kW/l		88.7
Acceleration 0–100 km/h	s		4.0
Top speed	km/h		250
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, 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-regulated oil pump, differential and transfer case with optimised warm-up behaviour, tyres with reduced rolling resistance		
Fuel Consumption ECE			
Urban	l/100 km		13.2 – 13.1
Extra-urban	l/100 km		7.4 – 7.4
Combined	l/100 km		9.5 – 9.5
CO ₂	g/km		217 – 217
Emission rating			Euro 6d-TEMP

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

- ¹⁾ Height including roof fin
²⁾ Oil change

All figures relating to performance, fuel/electric power consumption, CO₂ emissions and operating range are provisional.

The fuel consumption, CO₂ emissions, electric power consumption and operating range figures are determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are already based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO₂ emissions, the CO₂ values may differ from the values stated here (depending on national legislation).

Correct as at: 16.01.2019

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

The new BMW 7 Series. 750Li xDrive.

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	1621 / 1650
Ground clearance	mm	135
Turning circle	m	12.9
Fuel tank capacity	approx. l	78
Engine oil ²⁾	l	10.5
Weight, unladen, to DIN/EU	kg	2000 / 2075
Max load to DIN	kg	675
Max permissible weight	kg	2675
Max axle load, front/rear	kg	1340 / 1395
Max trailer load, braked (12%/unbraked)	kg	2300 / 750
Max roofload/max towbar download	kg	100 / 100
Luggage comp capacity	l	515
Air resistance	c _d x A	0.27 x 2.42
Power Unit		
Config/No of cyls/valves		V / 8 / 4
Engine technology		BMW TwinPower Turbo technology: two TwinScroll turbochargers, High Precision Direct Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	cc	4395
Stroke/bore	mm	88.3 / 89.0
Compression ratio	:1	10.5
Fuel		min. RON 91
Max output	kW/hp	390 / 530
at	rpm	5500 – 6000
Max torque	Nm	750
at	rpm	1800 – 4600
Electrical System		
Battery/installation	Ah/–	105 / luggage compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower 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 anti-dive control, double acoustic decoupling, air suspension with self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, xDrive all-wheel-drive system networked with DSC, Dynamic Damper Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, knee airbag on the driver's side, three-point inertia-reel seatbelts on all seats with belt latch tensioner and 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	16.3

Tyres, front/rear	245/45 R19 102Y XL
Rims, front/rear	8.5J x 18 light-alloy

BMW 750Li xDrive			
Transmission			
Type of transmission	Eight-speed Steptronic transmission		
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	2.813
Performance			
Power-to-weight ratio (DIN)	kg/kW		5.1
Output per litre	kW/l		88.7
Acceleration 0–100 km/h	s		4.1
Top speed	km/h		250
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, 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-regulated oil pump, differential and transfer case with optimised warm-up behaviour, tyres with reduced rolling resistance		
Fuel Consumption ECE			
Urban	l/100 km		13.2 – 13.1
Extra-urban	l/100 km		7.5 – 7.5
Combined	l/100 km		9.6 – 9.5
CO ₂	g/km		218 – 218
Emission rating			Euro 6d-TEMP

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

- ¹⁾ Height including roof fin
²⁾ Oil change

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Correct as at: 16.01.2019

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The new BMW 7 Series. M760Li xDrive.

BMW M760Li xDrive		
Body		
No of doors/seats		4 / 5
Length/width/height ¹⁾ (unladen)	mm	5260 / 1902 / 1479
Wheelbase	mm	3210
Track, front/rear	mm	1621 / 1618
Ground clearance	mm	135
Turning circle	m	12.9
Fuel tank capacity	approx. l	78
Engine oil ²⁾	l	12.0
Weight, unladen, to DIN/EU	kg	2220 / 2295
Max load to DIN	kg	620
Max permissible weight	kg	2840
Max axle load, front/rear	kg	1410 / 1490
Max trailer load, braked (12%/unbraked)	kg	- / -
Max roofload/max towbar download	kg	100 / -
Luggage comp capacity	l	515
Air resistance	c _d x A	0.30 x 2.42
Power Unit		
Config/No of cyls/valves		V / 12 / 4
Engine technology		BMW TwinPower Turbo technology: two mono-scroll turbochargers, High Precision Direct Injection, Double-VANOS variable camshaft timing
Effective capacity	cc	6592
Stroke/bore	mm	88.3 / 89.0
Compression ratio	:1	10.0
Fuel		min. RON 91
Max output	kW/hp	430 / 585
at	rpm	5250 – 5750
Max torque	Nm	850
at	rpm	1600 – 4500
Electrical System		
Battery/installation	Ah/-	105 / luggage compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower 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 anti-dive control, double acoustic decoupling, air suspension with self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, xDrive all-wheel-drive system networked with DSC, Dynamic Damper Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, knee airbag on the driver's side, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter in the front, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS) with Servotronic function, Integral Active Steering
Steering ratio, overall	:1	16.3

Tyres, front/rear	245/40 ZR20 99Y XL/ 275/35 ZR20 102Y XL
Rims, front/rear	8.5J x 20 light-alloy/ 10J x 20 light-alloy

BMW M760Li xDrive			
Transmission			
Type of transmission	Eight-speed Steptronic transmission		
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		5.2
Output per litre	kW/l		65.2
Acceleration 0–100 km/h	s		3.8
Top speed	km/h		250 / 305 ³⁾
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, 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-regulated oil pump, differential and transfer case with optimised warm-up behaviour		
Fuel Consumption ECE			
Urban	l/100 km		18.3 – 18.1
Extra-urban	l/100 km		9.2 – 8.9
Combined	l/100 km		12.5 – 12.4
CO ₂	g/km		285 – 282
Emission rating			Euro 6d-TEMP

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

¹⁾ Height including roof fin

²⁾ Oil change

³⁾ With optional M Driver's Package

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The new BMW 7 Series. 745e.

BMW 745e		
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	12.3
Fuel tank capacity	approx. l	46
Engine oil ²⁾	l	6.5
Weight, unladen, to DIN/EU	kg	1995 / 2070
Max load to DIN	kg	660
Max permissible weight	kg	2655
Max axle load, front/rear	kg	1225 / 1480
Max roofload/max towbar download	kg	100 / –
Luggage comp capacity	l	420
Air resistance	c _d x A	0.27 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	1500 – 3500
Output per litre	kW/l	70.0
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	0 – 2700
Recuperation output	kW	20
High-voltage battery		
Storage technology/installation		Lithium-ion / underneath rear seats
Voltage	V	355
Energy capacity (gross)	kWh	12.0
Charging time for 100% charge		4.4 h at 3.7 kW (16 A / 230 V)

BMW 745e			
Driving Dynamics and Safety			
Suspension, front	Double-wishbone axle in aluminium construction with separate lower 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 anti-dive control, double acoustic decoupling, air suspension with self-levelling		
Brakes, front	Vented disc brakes, with four-piston fixed callipers		
Brakes, rear	Vented disc brakes, with single-piston floating callipers		
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, Dynamic Damper Control		
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, knee airbag on the driver's side, three-point inertia-reel seatbelts on all seats with belt latch tensioner and 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	16.3	
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
	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	5.2
Top speed		km/h	250
Top speed (electric)		km/h	140
Range (electric)		km	54 – 58
BMW EfficientDynamics			
BMW EfficientDynamics standard features	BMW eDrive technology, Electric Power Steering, 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 flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance		
Fuel Consumption ECE			
Fuel consumption combined	l/100 km	2.2 – 2.1	
CO ₂ emissions from fuel	g/km	52 – 48	
Electric power consumption combined	kWh/100 km	15.4 – 15.0	
Emission rating	Euro 6d-TEMP		

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

¹⁾ Height including roof fin

²⁾ Oil change

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The new BMW 7 Series. 745Le.

BMW 745Le		
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	12.8
Fuel tank capacity	approx. l	46
Engine oil ²⁾	l	6.5
Weight, unladen, to DIN/EU	kg	2035 / 2110
Max load to DIN	kg	635
Max permissible weight	kg	2670
Max axle load, front/rear	kg	1245 / 1500
Max roofload/max towbar download	kg	100 / –
Luggage comp capacity	l	420
Air resistance	c _d x A	0.27 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	7.0
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	1500 – 3500
Output per litre	kW/l	70.0
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	0 – 2700
Recuperation output	kW	20
High-voltage battery		
Storage technology/installation		Lithium-ion / underneath rear seats
Voltage	V	355
Energy capacity (gross)	kWh	12.0
Charging time for 100% charge		4.4 h at 3.7 kW (16 A / 230 V)

BMW 745Le			
Driving Dynamics and Safety			
Suspension, front	Double-wishbone axle in aluminium construction with separate lower 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 anti-dive control, double acoustic decoupling, air suspension with self-levelling		
Brakes, front	Vented disc brakes, with four-piston fixed callipers		
Brakes, rear	Vented disc brakes, with single-piston floating callipers		
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, Dynamic Damper Control		
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, knee airbag on the driver's side, three-point inertia-reel seatbelts on all seats with belt latch tensioner and 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	16.3	
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
	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	5.3
Top speed		km/h	250
Top speed (electric)		km/h	140
Range (electric)		km	52 – 55
BMW EfficientDynamics			
BMW EfficientDynamics standard features	BMW eDrive technology, Electric Power Steering, 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 flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance		
Fuel Consumption ECE			
Fuel consumption combined	l/100 km	2.3 – 2.2	
CO ₂ emissions from fuel	g/km	53 – 50	
Electric power consumption combined	kWh/100 km	15.4 – 15.1	
Emission rating	Euro 6d-TEMP		

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¹⁾ Height including roof fin

²⁾ Oil change

All figures relating to performance, fuel/electric power consumption, CO₂ emissions and operating range are provisional.

The fuel consumption, CO₂ emissions, electric power consumption and operating range figures are determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are already based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO₂ emissions, the CO₂ values may differ from the values stated here (depending on national legislation).

Correct as at: 16.01.2019

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

The new BMW 7 Series. 745Le xDrive.

BMW 745Le 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	12.9
Fuel tank capacity	approx. l	46
Engine oil ²⁾	l	6.5
Weight, unladen, to DIN/EU	kg	2085 / 2160
Max load to DIN	kg	620
Max permissible weight	kg	2705
Max axle load, front/rear	kg	1300 / 1500
Max roofload/max towbar download	kg	100 / –
Luggage comp capacity	l	420
Air resistance	c _d x A	0.27 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	7.2
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	1500 – 3500
Output per litre	kW/l	70.0
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	0 – 2700
Recuperation output	kW	20
High-voltage battery		
Storage technology/installation		Lithium-ion / underneath rear seats
Voltage	V	355
Energy capacity (gross)	kWh	12.0
Charging time for 100% charge		4.4 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 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 anti-dive control, double acoustic decoupling, air suspension with self-levelling
Brakes, front	Vented disc brakes, with four-piston fixed callipers
Brakes, rear	Vented disc brakes, with single-piston floating callipers
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, DSC networked with xDrive all-wheel-drive system, Dynamic Damper Control
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, knee airbag on the driver's side, three-point inertia-reel seatbelts on all seats with belt latch tensioner and 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 16.3
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
	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	5.1
Top speed		km/h	250
Top speed (electric)		km/h	140
Range (electric)		km	50 – 54

BMW EfficientDynamics

BMW EfficientDynamics standard features	BMW eDrive technology, Electric Power Steering, 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 flap control, on-demand operation of ancillary units, map-regulated oil pump, differential and transfer case with optimised warm-up behaviour, tyres with reduced rolling resistance
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Fuel Consumption ECE

Fuel consumption combined	l/100 km	2.6 – 2.3
CO ₂ emissions from fuel	g/km	59 – 52
Electric power consumption combined	kWh/100 km	16.3 – 15.8
Emission rating		Euro 6d-TEMP

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

¹⁾ Height including roof fin

²⁾ Oil change

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Correct as at: 16.01.2019

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

The new 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
Fuel tank capacity	approx. l	78
Engine oil ²⁾	l	6.5
Weight, unladen, to DIN/EU	kg	1825 / 1900
Max load to DIN	kg	685
Max permissible weight	kg	2510
Max axle load, front/rear	kg	1200 / 1380
Max trailer load, braked (12%/unbraked)	kg	2100 / 750
Max roofload/max towbar download	kg	100 / 100
Luggage comp capacity	l	515
Air resistance	c _d x A	0.24 x 2.41
Power Unit		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2500 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	195 / 265
at	rpm	4000
Max torque	Nm	620
at	rpm	2000 – 2500
Electrical System		
Battery/installation	Ah/–	90 / luggage compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower 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 anti-dive control, double acoustic decoupling, air suspension with self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, Dynamic Damper Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, knee airbag on the driver's side, three-point inertia-reel seatbelts on all seats with belt latch tensioner and 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	16.3

Tyres, front/rear	225/60 R17 99Y
Rims, front/rear	7.5J x 17 light-alloy

BMW 730d			
Transmission			
Type of transmission	Eight-speed Steptronic transmission		
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		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, 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-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter		
Fuel Consumption ECE			
Urban	l/100 km		6.5 – 6.2
Extra-urban	l/100 km		5.0 – 4.6
Combined	l/100 km		5.5 – 5.3
CO ₂	g/km		144 – 138
Emission rating			Euro 6d-TEMP

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

- ¹⁾ Height including roof fin
²⁾ Oil change

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Correct as at: 16.01.2019

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

The new BMW 7 Series. 730d xDrive.

BMW 730d xDrive		
Body		
No of doors/seats		4 / 5
Length/width/height ¹⁾ (unladen)	mm	5120 / 1902 / 1467
Wheelbase	mm	3070
Track, front/rear	mm	1617 / 1646
Ground clearance	mm	135
Turning circle	m	12.5
Fuel tank capacity	approx. l	78
Engine oil ²⁾	l	6.5
Weight, unladen, to DIN/EU	kg	1880 / 1955
Max load to DIN	kg	680
Max permissible weight	kg	2560
Max axle load, front/rear	kg	1245 / 1375
Max trailer load, braked (12%/unbraked)	kg	2100 / 750
Max roofload/max towbar download	kg	100 / 100
Luggage comp capacity	l	515
Air resistance	c _d x A	0.25 x 2.41
Power Unit		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2500 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	195 / 265
at	rpm	4000
Max torque	Nm	620
at	rpm	2000 – 2500
Electrical System		
Battery/installation	Ah/–	90 / luggage compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower 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 anti-dive control, double acoustic decoupling, air suspension with self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, xDrive all-wheel-drive system networked with DSC, Dynamic Damper Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, knee airbag on the driver's side, three-point inertia-reel seatbelts on all seats with belt latch tensioner and 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	16.3

Tyres, front/rear	225/60 R17 99Y
Rims, front/rear	7.5J x 17 light-alloy

BMW 730d xDrive			
Transmission			
Type of transmission	Eight-speed Steptronic transmission		
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		9.6
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, 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-regulated oil pump, differential and transfer case with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter		
Fuel Consumption ECE			
Urban	l/100 km		6.5 – 6.3
Extra-urban	l/100 km		5.2 – 5.0
Combined	l/100 km		5.7 – 5.5
CO ₂	g/km		150 – 143
Emission rating			Euro 6d-TEMP

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

- ¹⁾ Height including roof fin
²⁾ Oil change

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Correct as at: 16.01.2019

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The new 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	1618 / 1646
Ground clearance	mm	135
Turning circle	m	12.8
Fuel tank capacity	approx. l	78
Engine oil ²⁾	l	6.5
Weight, unladen, to DIN/EU	kg	1870 / 1945
Max load to DIN	kg	690
Max permissible weight	kg	2560
Max axle load, front/rear	kg	1225 / 1400
Max trailer load, braked (12%/unbraked)	kg	2100 / 750
Max roofload/max towbar download	kg	100 / 100
Luggage comp capacity	l	515
Air resistance	c _d x A	0.24 x 2.42
Power Unit		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2500 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	195 / 265
at	rpm	4000
Max torque	Nm	620
at	rpm	2000 – 2500
Electrical System		
Battery/installation	Ah/–	90 / luggage compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower 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 anti-dive control, double acoustic decoupling, air suspension with self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, Dynamic Damper Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, knee airbag on the driver's side, three-point inertia-reel seatbelts on all seats with belt latch tensioner and 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	16.3

Tyres, front/rear	225/60 R17 99Y
Rims, front/rear	7.5J x 17 light-alloy

BMW 730Ld			
Transmission			
Type of transmission	Eight-speed Steptronic transmission		
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		9.6
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, 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-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter		
Fuel Consumption ECE			
Urban	l/100 km		6.4 – 6.3
Extra-urban	l/100 km		5.0 – 4.8
Combined	l/100 km		5.5 – 5.3
CO ₂	g/km		145 – 139
Emission rating	Euro 6d-TEMP		

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

- ¹⁾ Height including roof fin
²⁾ Oil change

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The new BMW 7 Series. 730Ld xDrive.

BMW 730Ld xDrive		
Body		
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	12.9
Fuel tank capacity	approx. l	78
Engine oil ²⁾	l	6.5
Weight, unladen, to DIN/EU	kg	1930 / 2005
Max load to DIN	kg	695
Max permissible weight	kg	2625
Max axle load, front/rear	kg	1275 / 1415
Max trailer load, braked (12%/unbraked)	kg	2100 / 750
Max roofload/max towbar download	kg	100 / 100
Luggage comp capacity	l	515
Air resistance	c _d x A	0.25 x 2.42
Power Unit		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2500 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	195 / 265
at	rpm	4000
Max torque	Nm	620
at	rpm	2000 – 2500
Electrical System		
Battery/installation	Ah/–	90 / luggage compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower 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 anti-dive control, double acoustic decoupling, air suspension with self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, xDrive all-wheel-drive system networked with DSC, Dynamic Damper Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, knee airbag on the driver's side, three-point inertia-reel seatbelts on all seats with belt latch tensioner and 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	16.3

Tyres, front/rear	225/60 R17 99Y
Rims, front/rear	7.5J x 17 light-alloy

BMW 730Ld xDrive			
Transmission			
Type of transmission	Eight-speed Steptronic transmission		
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		9.9
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, 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-regulated oil pump, differential and transfer case with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter		
Fuel Consumption ECE			
Urban	l/100 km		6.7 – 6.5
Extra-urban	l/100 km		5.3 – 5.1
Combined	l/100 km		5.8 – 5.6
CO ₂	g/km		153 – 147
Emission rating			Euro 6d-TEMP

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

- ¹⁾ Height including roof fin
²⁾ Oil change

All figures relating to performance, fuel/electric power consumption, CO₂ emissions and operating range are provisional.

The fuel consumption, CO₂ emissions, electric power consumption and operating range figures are determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are already based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO₂ emissions, the CO₂ values may differ from the values stated here (depending on national legislation).

Correct as at: 16.01.2019

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

The new BMW 7 Series. 740d xDrive.

BMW 740d xDrive		
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	12.5
Fuel tank capacity	approx. l	78
Engine oil ²⁾	l	6.5
Weight, unladen, to DIN/EU	kg	1915 / 1990
Max load to DIN	kg	690
Max permissible weight	kg	2605
Max axle load, front/rear	kg	1285 / 1390
Max trailer load, braked (12%/unbraked)	kg	2300 / 750
Max roofload/max towbar download	kg	100 / 100
Luggage comp capacity	l	515
Air resistance	c _d x A	0.27 x 2.41
Power Unit		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology: multi-stage turbocharging, high- and low-pressure turbochargers with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2500 bar)	
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	235 / 320
at	rpm	4400
Max torque	Nm	680
at	rpm	1750 – 2250
Electrical System		
Battery/installation	Ah/-	90 / luggage compartment
Driving Dynamics and Safety		
Suspension, front	Double-wishbone axle in aluminium construction with separate lower 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 anti-dive control, double acoustic decoupling, air suspension with self-levelling	
Brakes, front	Vented disc brakes, with four-piston fixed callipers	
Brakes, rear	Vented disc brakes, with single-piston floating callipers	
Driving stability systems	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, xDrive all-wheel-drive system networked with DSC, Dynamic Damper Control	
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, knee airbag on the driver's side, three-point inertia-reel seatbelts on all seats with belt latch tensioner and 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	16.3
Tyres, front/rear		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy

BMW 740d xDrive			
Transmission			
Type of transmission	Eight-speed Steptronic transmission		
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		8.1
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, 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-regulated oil pump, differential and transfer case with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter		
Fuel Consumption ECE			
Urban	l/100 km		7.2 – 6.9
Extra-urban	l/100 km		5.3 – 4.9
Combined	l/100 km		6.0 – 5.6
CO ₂	g/km		158 – 148
Emission rating			Euro 6d-TEMP

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

- ¹⁾ Height including roof fin
²⁾ Oil change

All figures relating to performance, fuel/electric power consumption, CO₂ emissions and operating range are provisional.

The fuel consumption, CO₂ emissions, electric power consumption and operating range figures are determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

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Correct as at: 16.01.2019

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

The new BMW 7 Series. 740Ld xDrive.

BMW 740Ld 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	12.9
Fuel tank capacity	approx. l	78
Engine oil ²⁾	l	6.5
Weight, unladen, to DIN/EU	kg	1950 / 2025
Max load to DIN	kg	695
Max permissible weight	kg	2645
Max axle load, front/rear	kg	1300 / 1415
Max trailer load, braked (12%/unbraked)	kg	2300 / 750
Max roofload/max towbar download	kg	100 / 100
Luggage comp capacity	l	515
Air resistance	c _d x A	0.27 x 2.42
Power Unit		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, high- and low-pressure turbochargers with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2500 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	235 / 320
at	rpm	4400
Max torque	Nm	680
at	rpm	1750 – 2250
Electrical System		
Battery/installation	Ah/-	90 / luggage compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower 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 anti-dive control, double acoustic decoupling, air suspension with self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, xDrive all-wheel-drive system networked with DSC, Dynamic Damper Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, knee airbag on the driver's side, three-point inertia-reel seatbelts on all seats with belt latch tensioner and 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	16.3
Tyres, front/rear		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy

BMW 740Ld xDrive			
Transmission			
Type of transmission	Eight-speed Steptronic transmission		
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		8.3
Output per litre	kW/l		78.5
Acceleration 0–100 km/h	s		5.4
Top speed	km/h		250
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, 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-regulated oil pump, differential and transfer case with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter		
Fuel Consumption ECE			
Urban	l/100 km		7.4 – 7.0
Extra-urban	l/100 km		5.2 – 4.9
Combined	l/100 km		6.0 – 5.7
CO ₂	g/km		158 – 149
Emission rating			Euro 6d-TEMP

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

- ¹⁾ Height including roof fin
²⁾ Oil change

All figures relating to performance, fuel/electric power consumption, CO₂ emissions and operating range are provisional.

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Correct as at: 16.01.2019

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

The new BMW 7 Series. 750d xDrive.

BMW 750d xDrive		
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	12.5
Fuel tank capacity	approx. l	78
Engine oil ²⁾	l	6.5
Weight, unladen, to DIN/EU	kg	1960 / 2035
Max load to DIN	kg	680
Max permissible weight	kg	2640
Max axle load, front/rear	kg	1310 / 1390
Max trailer load, braked (12%/unbraked)	kg	2300 / 750
Max roofload/max towbar download	kg	100 / 100
Luggage comp capacity	l	515
Air resistance	c _d x A	0.26 x 2.41
Power Unit		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging with four turbochargers (two turbochargers for the high-pressure and two for the low-pressure stage), high-pressure turbochargers with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: >2500 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.0
Fuel		Diesel
Max output	kW/hp	294 / 400
at	rpm	4400
Max torque	Nm	760
at	rpm	2000 – 3000
Electrical System		
Battery/installation	Ah/–	90 / luggage compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower 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 anti-dive control, double acoustic decoupling, air suspension with self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, xDrive all-wheel-drive system networked with DSC, Dynamic Damper Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, knee airbag on the driver's side, three-point inertia-reel seatbelts on all seats with belt latch tensioner and 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	16.3
Tyres, front/rear		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy

BMW 750d xDrive			
Transmission			
Type of transmission	Eight-speed Steptronic transmission		
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	2.647
Performance			
Power-to-weight ratio (DIN)	kg/kW		6.7
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, 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-regulated oil pump, differential and transfer case with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter		
Fuel Consumption ECE			
Urban	l/100 km		6.9 – 6.7
Extra-urban	l/100 km		5.5 – 5.3
Combined	l/100 km		6.0 – 5.8
CO ₂	g/km		157 – 152
Emission rating			Euro 6d-TEMP

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

- ¹⁾ Height including roof fin
²⁾ Oil change

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The new BMW 7 Series. 750Ld xDrive.

BMW 750Ld 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	12.9
Fuel tank capacity	approx. l	78
Engine oil ²⁾	l	6.5
Weight, unladen, to DIN/EU	kg	2000 / 2075
Max load to DIN	kg	690
Max permissible weight	kg	2690
Max axle load, front/rear	kg	1335 / 1415
Max trailer load, braked (12%/unbraked)	kg	2300 / 750
Max roofload/max towbar download	kg	100 / 100
Luggage comp capacity	l	515
Air resistance	c _d x A	0.26 x 2.42
Power Unit		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging with four turbochargers (two turbochargers for the high-pressure and two for the low-pressure stage), high-pressure turbochargers with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: >2500 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.0
Fuel		Diesel
Max output	kW/hp	294 / 400
at	rpm	4400
Max torque	Nm	760
at	rpm	2000 – 3000
Electrical System		
Battery/installation	Ah/–	90 / luggage compartment
Driving Dynamics and Safety		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower 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 anti-dive control, double acoustic decoupling, air suspension with self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, xDrive all-wheel-drive system networked with DSC, Dynamic Damper Control
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, knee airbag on the driver's side, three-point inertia-reel seatbelts on all seats with belt latch tensioner and 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	16.3
Tyres, front/rear		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy

BMW 750Ld xDrive			
Transmission			
Type of transmission	Eight-speed Steptronic transmission		
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	2.647
Performance			
Power-to-weight ratio (DIN)	kg/kW		6.8
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, 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-regulated oil pump, differential and transfer case with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter		
Fuel Consumption ECE			
Urban	l/100 km		7.2 – 6.8
Extra-urban	l/100 km		5.5 – 5.4
Combined	l/100 km		6.1 – 5.9
CO ₂	g/km		160 – 155
Emission rating			Euro 6d-TEMP

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

- ¹⁾ Height including roof fin
²⁾ Oil change

All figures relating to performance, fuel/electric power consumption, CO₂ emissions and operating range are provisional.

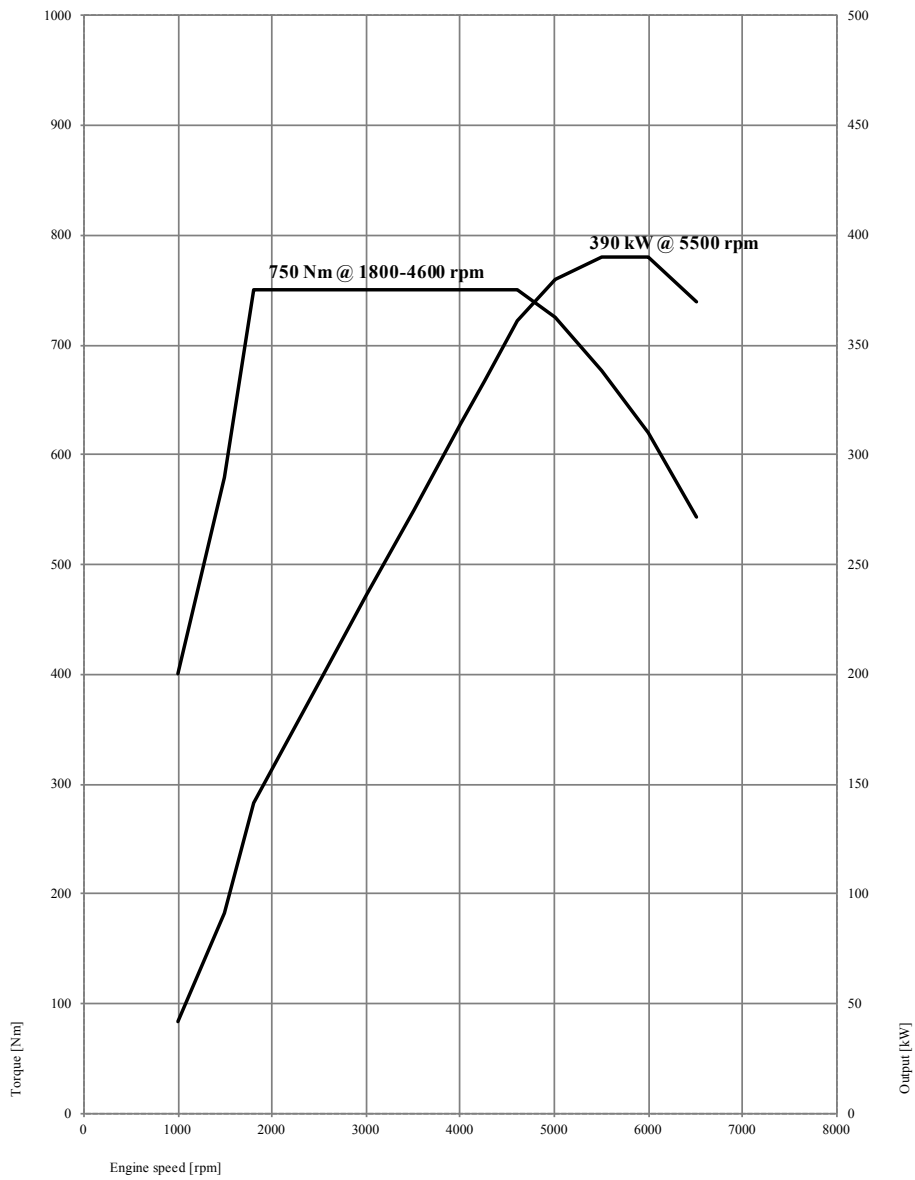
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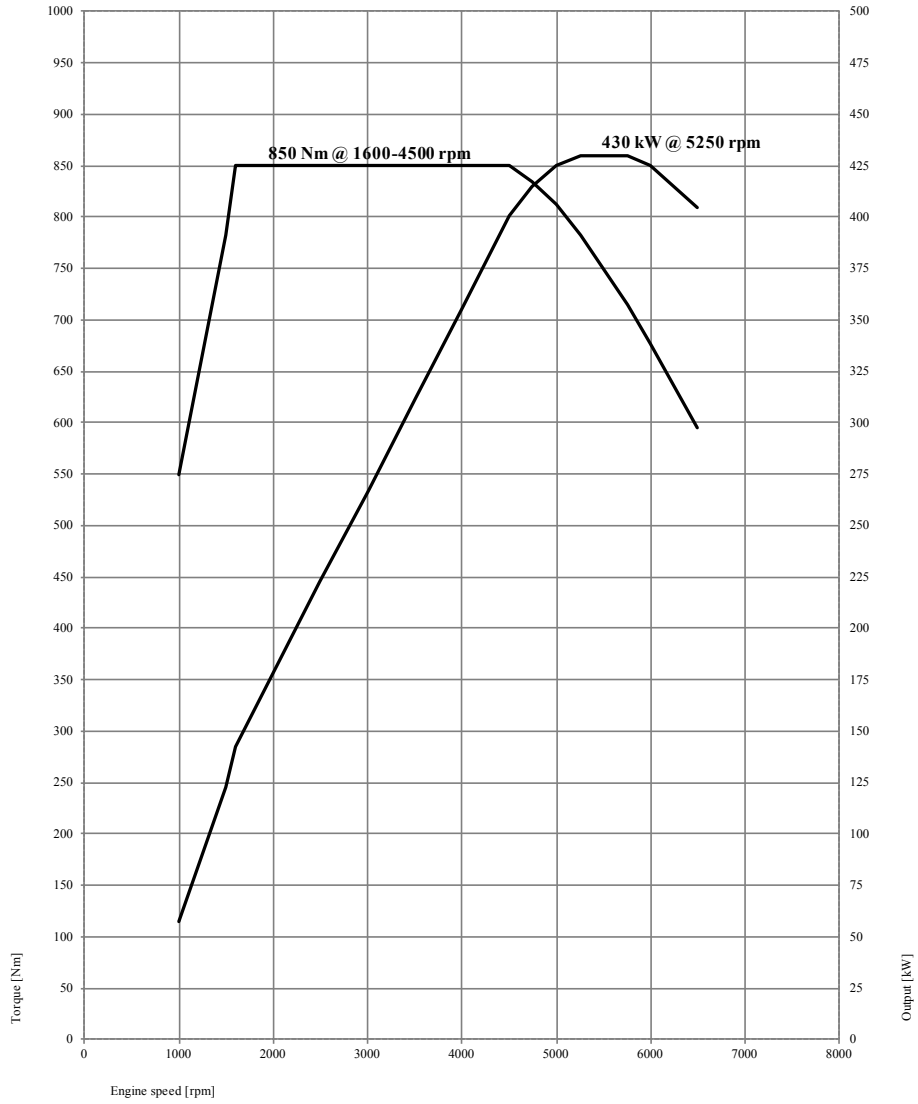
Correct as at: 16.01.2019

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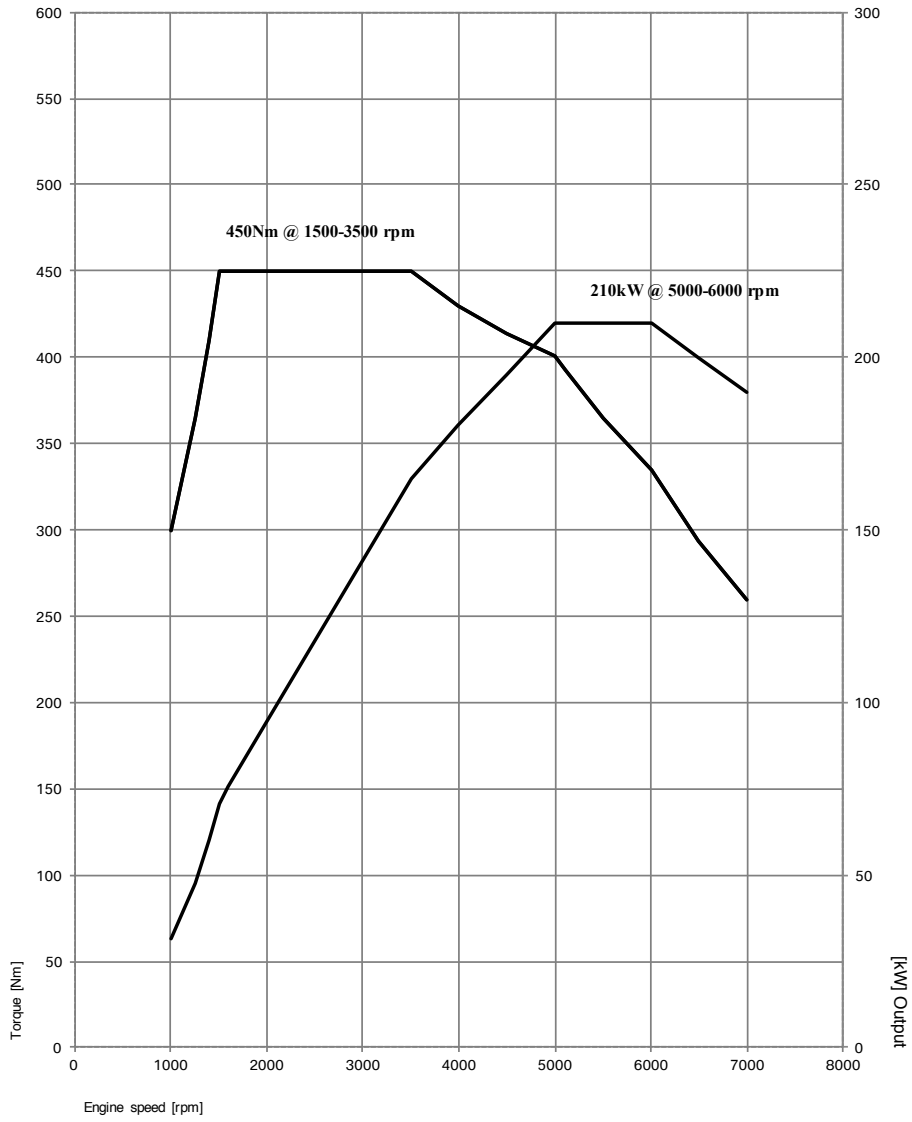
Output and torque diagrams. The new BMW 7 Series. 750i xDrive, 750Li xDrive.



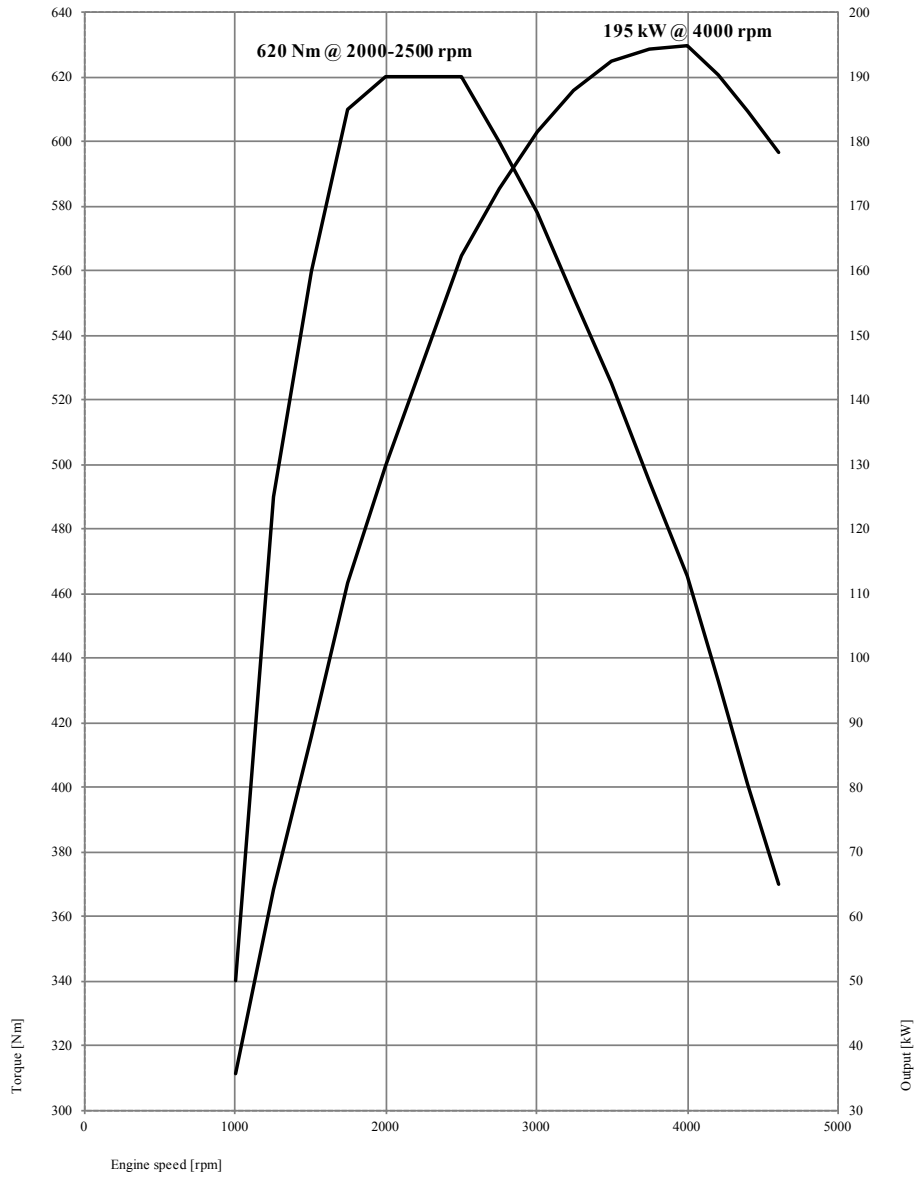
The new BMW 7 Series M760Li xDrive.



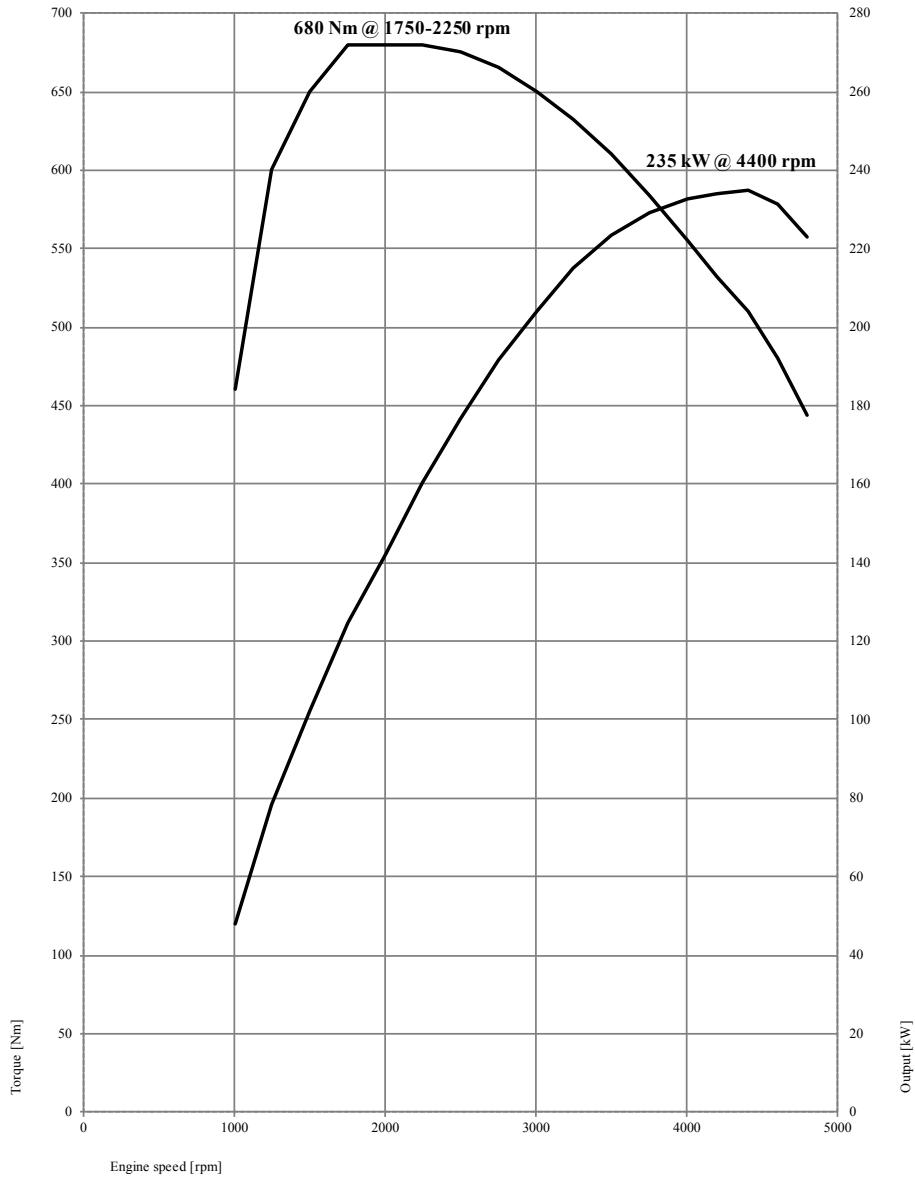
The new BMW 7 Series 745e, 745Le, 745Le xDrive.



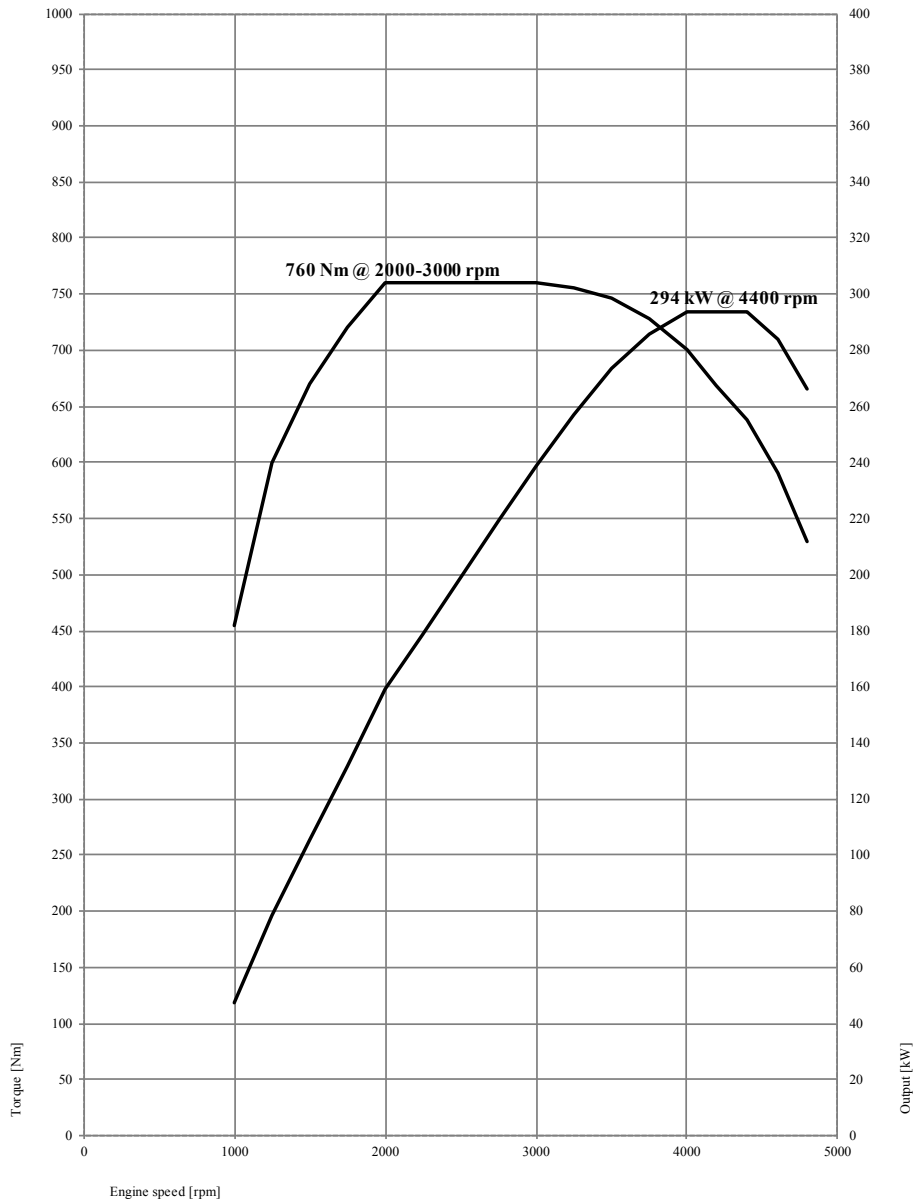
The new BMW 7 Series 730d, 730Ld, 730 xDrive, 730Ld xDrive.



The new BMW 7 Series. 740d xDrive, 740Ld xDrive.



The new BMW 7 Series. 750d xDrive, 750Ld xDrive.



Exterior and interior dimensions. The new BMW 7 Series.

