

# Technical specifications.

## BMW 7 Series Sedan.

### i7 50 xDrive.



BMW i7 50 xDrive		
<b>Vehicle category</b>		
Drive type / body variant		Battery Electric Vehicle - BEV / Sedan
<b>Body</b>		
Number of doors/seats		4 / 5
Length/width/height (empty)		mm 5395 / 1950 / 1550
Wheelbase		mm 3215
Track width, front/rear		mm 1662 / 1683
Turning circle		m 13.1
Turning circle with Integral Active Steering		m 12.3
Ground clearance, empty		mm 136
Vehicle curb weight (DIN/EU)		kg 2695 / 2770
Payload according to DIN		kg 585
Permitted total weight		kg 3280
Permitted axle loads, front/rear		kg 1540 / 1810
Max. permissible trailer load braked (12 %) / unbraked		kg 2000 / 750
Max. permissible roofload/towbar download		kg – / 80
Luggage compartment volume		l 500
Drag coefficient		c <sub>x</sub> x A 0.24 x 2.63
<b>Drive</b>		
Drive concept		Electric all-wheel drive, drive torque sent by one electric motor to the front wheels and one to the rear wheels, as required, in a coordinated process
System performance		kW/hp 335 / 455
System performance in My Mode Sport		kW/hp 335 / 455
System torque		Nm 660 (660 <sup>1)</sup> )
Type of transmission		Two-stage single-speed transmission with fixed ratio
<b>Electric motors</b>		
Motor technology		BMW Gen6 cell technology in upgraded BMW Gen5 eDrive, current-excited synchronous machines, electric motors, power electronics and transmission each integrated in a common housing, generator function for recuperation, electric BMW xDrive all-wheel drive
<b>Electric motor front</b>		
Peak power according to ECE R 85		kW/hp 190 / 258
Max. torque		Nm 365 <sup>1)</sup>
Overall ratio		:1 8.770
<b>Electric motor rear</b>		
Peak power according to ECE R 85		kW/hp 230 / 313
Continuous output to ECE R 85		kW/hp 95 / 129
Max. torque		Nm 400
Overall ratio		:1 9.400
<b>High voltage battery</b>		
Battery technology		Lithium-ion
Installation location		Underbody
Voltage		V 400
Net energy content		kWh 112.5
Charging time for 0 -100% charge		12:00 h at 11 kW (16 A / 230 V, AC single-phase)
Charging time for 0 -100% charge (optional)		6:00 h at 22 kW (32 A / 230 V, AC three-phase)
Charging time for 10-80% charge		28 min at 250 kW (DC, fast charging station)
Additional range after 10 minutes of DC charging (Max. charging rate)		km 235
<b>Charging unit</b>		
Type		Combined Charging Unit (CCU) with integrated 4-kW voltage converter for supplying the 12-volt electrical system
Max. charging power alternating current (AC) three-phase (optional)		kW 22.0
Max. charging power direct current (DC)		kW 250

BMW i7 50 xDrive		
<b>Driving dynamics and safety</b>		
Front wheel suspension	Double-wishbone axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers; optional: Active Roll Stabilisation	
Rear wheel suspension	Five-link axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers; optional: Active Roll Stabilisation	
Brakes, front	Four-piston, fixed-caliper disc brakes, ventilated	
Brakes, rear	Single-piston, floating-caliper disc brakes, ventilated	
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), directly controlled wheel slip limitation, Cornering Brake Assist CBC, Brake Assist DBC, Dry Brake Function, Fade Compensation, Hill Start Control, Trailer Stability Control, Performance Control	
Safety equipment	Standard: Airbags for driver and passenger, side airbags for driver and passenger, interaction airbag between driver and passenger, front and rear head airbags, 3-point automatic-reel belt on all seats, with seat belt stopper at front, seat belt tensioner and seat belt force limiter at the front and the outside rear seats, crash sensors, tyre pressure display	
Steering	Electrically assisted rack-and-pinion steering (EPS) with Servotronic function and variable steering ratio, optional: Integral Active Steering	
Overall steering ratio	:1	15.6
Tyres, front/rear	255/45 R20 105 Y XL / 285/40 R20 108 Y XL	
Wheel rims, front/rear	9J x 20 light-alloy / 10.5J x 20 light-alloy	
<b>Driving performance figures</b>		
Acceleration 0-100 km/h (62 mph)	s	5.5
Top speed	km/h	210 (130 mph) (electronically limited)
<b>Consumption (WLTP combined)</b>		
According to EnVKV	kWh/100 km	TBD
Achievable in individual configuration	kWh/100 km	21.8 – 18.1
<b>Range (WLTP combined)</b>		
According to EnVKV	km	TBD
Achievable in individual configuration	km	591 – 728
<b>Environmental features</b>		
Emission rating	Electric vehicle	
CO <sub>2</sub> class(es) acc. to Pkw-EnVKV	A	

All figures relating to technical data, performance, fuel/electric power consumption, emissions and range are provisional and relate to the German market. EnVKV (German Passenger Car Energy Labelling Regulation) figures are not yet available.

Technical specifications valid for ACEA markets / registration-related data only relevant to Germany in some cases

<sup>1)</sup> When the M Sport Boost or M Launch Control function is activated

All the model variants, equipment levels, technical specifications, consumption and emission values described correspond to what is available on the automotive market in Germany. Dimensions refer to a vehicle fitted with basic equipment in Germany, depending on the selected wheel and tyre size as well as selected optional equipment. These may change according to how the car is configured.

Official data on power consumption were determined in accordance with the prescribed WLTP measurement procedure and comply with the Passenger Car Energy Consumption Labelling Ordinance. Go to [www.bmw.de](http://www.bmw.de) for more information.

# BMW 7 Series Sedan. i7 60 xDrive.

BMW i7 60 xDrive		
<b>Vehicle category</b>		
Drive type / body variant		Battery Electric Vehicle - BEV / Sedan
<b>Body</b>		
Number of doors/seats		4 / 5
Length/width/height (empty)	mm	5395 / 1950 / 1550
Wheelbase	mm	3215
Track width, front/rear	mm	1662 / 1683
Turning circle	m	13.1
Turning circle with Integral Active Steering	m	12.3
Ground clearance, empty	mm	136
Vehicle curb weight (DIN/EU)	kg	2695 / 2770
Payload according to DIN	kg	595
Permitted total weight	kg	3290
Permitted axle loads, front/rear	kg	1540 / 1810
Max. permissible trailer load braked (12 %) / unbraked	kg	2000 / 750
Max. permissible roofload/towbar download	kg	- / 80
Luggage compartment volume	l	500
Drag coefficient	c <sub>x</sub> x A	0.24 x 2.63
<b>Drive</b>		
Drive concept		Electric all-wheel drive, drive torque sent by one electric motor to the front wheels and one to the rear wheels, as required, in a coordinated process
System performance	kW/hp	400 / 544
System performance in My Mode Sport	kW/hp	400 / 544
System torque	Nm	745 (745 <sup>1)</sup> )
Type of transmission		Two-stage single-speed transmission with fixed ratio
<b>Electric motors</b>		
Motor technology		BMW Gen6 cell technology in upgraded BMW Gen5 eDrive, current-excited synchronous machines, electric motors, power electronics and transmission each integrated in a common housing, generator function for recuperation, electric BMW xDrive all-wheel drive
<b>Electric motor front</b>		
Peak power according to ECE R 85	kW/hp	190 / 258
Max. torque	Nm	365 <sup>1)</sup>
Overall ratio	:1	8.770
<b>Electric motor rear</b>		
Peak power according to ECE R 85	kW/hp	230 / 313
Continuous output to ECE R 85	kW/hp	95 / 129
Max. torque	Nm	400
Overall ratio	:1	9.400
<b>High voltage battery</b>		
Battery technology		Lithium-ion
Installation location		Underbody
Voltage	V	400
Net energy content	kWh	112.5
Charging time for 0 -100% charge		12:00 h at 11 kW (16 A / 230 V, AC single-phase)
Charging time for 0 -100% charge (optional)		6:00 h at 22 kW (32 A / 230 V, AC three-phase)
Charging time for 10-80% charge		28 min at 250 kW (DC, fast charging station)
Additional range after 10 minutes of DC charging (Max. charging rate)		235
<b>Charging unit</b>		
Type		Combined Charging Unit (CCU) with integrated 4-kW voltage converter for supplying the 12-volt electrical system
Max. charging power alternating current (AC) three-phase (optional)		kW 22.0
Max. charging power direct current (DC)		kW 250

BMW i7 60 xDrive		
Driving dynamics and safety		
Front wheel suspension	Double-wishbone axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers; optional: Active Roll Stabilisation	
Rear wheel suspension	Five-link axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers; optional: Active Roll Stabilisation	
Brakes, front	Four-piston, fixed-caliper disc brakes, ventilated	
Brakes, rear	Single-piston, floating-caliper disc brakes, ventilated	
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), directly controlled wheel slip limitation, Cornering Brake Assist CBC, Brake Assist DBC, Dry Brake Function, Fade Compensation, Hill Start Control, Trailer Stability Control, Performance Control	
Safety equipment	Standard: Airbags for driver and passenger, side airbags for driver and passenger, interaction airbag between driver and passenger, front and rear head airbags, 3-point automatic-reel belt on all seats, with seat belt stopper at front, seat belt tensioner and seat belt force limiter at the front and the outside rear seats, crash sensors, tyre pressure display	
Steering	Electrically assisted rack-and-pinion steering (EPS) with Servotronic function and variable steering ratio, optional: Integral Active Steering	
Overall steering ratio	:1	15.6
Tyres, front/rear	255/45 R20 105 Y XL / 285/40 R20 108 Y XL	
Wheel rims, front/rear	9J x 20 light-alloy / 10.5J x 20 light-alloy	
Driving performance figures		
Acceleration 0-100 km/h (62 mph)	s	4.8
Top speed	km/h	240 (149 mph) (electronically limited)
Consumption (WLTP combined)		
According to EnVKV	kWh/100 km	TBD
Achievable in individual configuration	kWh/100 km	21.9 – 18.2
Range (WLTP combined)		
According to EnVKV	km	TBD
Achievable in individual configuration	km	581 – 727
Environmental features		
Emission rating	Electric vehicle	
CO <sub>2</sub> class(es) acc. to Pkw-EnVKV	A	

All figures relating to technical data, performance, fuel/electric power consumption, emissions and range are provisional and relate to the German market. EnVKV (German Passenger Car Energy Labelling Regulation) figures are not yet available.

Technical specifications valid for ACEA markets / registration-related data only relevant to Germany in some cases

<sup>1)</sup> When the M Sport Boost or M Launch Control function is activated

All the model variants, equipment levels, technical specifications, consumption and emission values described correspond to what is available on the automotive market in Germany. Dimensions refer to a vehicle fitted with basic equipment in Germany, depending on the selected wheel and tyre size as well as selected optional equipment. These may change according to how the car is configured.

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# BMW 7 Series Sedan. i7 M70 xDrive.

BMW i7 M70 xDrive		
Vehicle category		
Drive type / body variant		Battery Electric Vehicle - BEV / Sedan
Body		
Number of doors/seats		4 / 5
Length/width/height (empty)	mm	5395 / 1950 / 1550
Wheelbase	mm	3215
Track width, front/rear	mm	1662 / 1683
Turning circle	m	13.1
Turning circle with Integral Active Steering	m	12.3
Ground clearance, empty	mm	136
Vehicle curb weight (DIN/EU)	kg	2770 / 2845
Payload according to DIN	kg	540
Permitted total weight	kg	3310
Permitted axle loads, front/rear	kg	1540 / 1820
Max. permissible trailer load braked (12 %) / unbraked	kg	-
Max. permissible roofload/towbar download	kg	75 / -
Luggage compartment volume	l	500
Drag coefficient	c <sub>x</sub> x A	0.24 x 2.63
Drive		
Drive concept		Electric all-wheel drive, drive torque sent by one electric motor to the front wheels and one to the rear wheels, as required, in a coordinated process
System performance	kW/hp	500 / 680
System performance in My Mode Sport	kW/hp	500 / 680
System torque	Nm	1015 (1100 <sup>1)</sup> )
Type of transmission	Two-stage single-speed transmission with fixed ratio	
Electric motors		
Motor technology		BMW Gen6 cell technology in upgraded BMW Gen5 eDrive, current-excited synchronous machines, electric motors, power electronics and transmission each integrated in a common housing, generator function for recuperation, electric BMW xDrive all-wheel drive
Electric motor front		
Peak power according to ECE R 85	kW/hp	190 / 258
Max. torque	Nm	365 <sup>1)</sup>
Overall ratio	:1	8.770
Electric motor rear		
Peak power according to ECE R 85	kW/hp	360 / 489
Continuous output to ECE R 85	kW/hp	95 / 129
Max. torque	Nm	650
Overall ratio	:1	9.400
High voltage battery		
Battery technology		Lithium-ion
Installation location		Underbody
Voltage	V	400
Net energy content	kWh	112.4
Charging time for 0 -100% charge		12:00 h at 11 kW (16 A / 230 V, AC single-phase)
Charging time for 0 -100% charge (optional)		6:00 h at 22 kW (32 A / 230 V, AC three-phase)
Charging time for 10-80% charge		28 min at 250 kW (DC, fast charging station)
Additional range after 10 minutes of DC charging (Max. charging rate)		205
Charging unit		
Type		Combined Charging Unit (CCU) with integrated 4-kW voltage converter for supplying the 12-volt electrical system
Max. charging power alternating current (AC) three-phase (optional)		22,0
Max. charging power direct current (DC)		250

BMW i7 M70 xDrive		
<b>Driving dynamics and safety</b>		
Front wheel suspension	Double-wishbone axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers; Active Roll Stabilisation	
Rear wheel suspension	Five-link axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers; Active Roll Stabilisation	
Brakes, front	Four-piston, fixed-caliper disc brakes, ventilated	
Brakes, rear	Single-piston, floating-caliper disc brakes, ventilated	
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), directly controlled wheel slip limitation, Cornering Brake Assist CBC, Brake Assist DBC, Dry Brake Function, Fade Compensation, Hill Start Control, Trailer Stability Control, Performance Control	
Safety equipment	Standard: Airbags for driver and passenger, side airbags for driver and passenger, interaction airbag between driver and passenger, front and rear head airbags, 3-point automatic-reel belt on all seats, with seat belt stopper at front, seat belt tensioner and seat belt force limiter at the front and the outside rear seats, crash sensors, tyre pressure display	
Steering	Electrically assisted rack-and-pinion steering (EPS) with Servotronic function and variable steering ratio, Integral Active Steering	
Overall steering ratio	:1	15.6
Tyres, front/rear	255/45 R20 105 Y XL / 285/40 R20 108 Y XL	
Wheel rims, front/rear	9J x 20 light-alloy / 10.5J x 20 light-alloy	
<b>Driving performance figures</b>		
Acceleration 0-100 km/h (62 mph)		3.8
Acceleration 0-100 km/h (62 mph) (using one-foot rollout method) <sup>2)</sup>	s	3.5
Top speed	km/h	250 (155 mph) (electronically limited)
<b>Consumption (WLTP combined)</b>		
According to EnVKV	kWh/100 km	TBD
Achievable in individual configuration	kWh/100 km	22.9 – 19.7
<b>Range (WLTP combined)</b>		
According to EnVKV	km	TBD
Achievable in individual configuration	km	566 – 686
<b>Environmental features</b>		
Emission rating	Electric vehicle	
CO <sub>2</sub> class(es) acc. to Pkw-EnVKV	A	

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<sup>1)</sup> When the M Sport Boost or M Launch Control function is activated

<sup>2)</sup> Value with "rollout" subtracted. With this alternative measuring method, time measurement only begins after leaving a light barrier. The driving distance (the "rollout") not taken into account in the measurement is 1 foot = 30.48 cm.

All the model variants, equipment levels, technical specifications, consumption and emission values described correspond to what is available on the automotive market in Germany. Dimensions refer to a vehicle fitted with basic equipment in Germany, depending on the selected wheel and tyre size as well as selected optional equipment. These may change according to how the car is configured.

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# BMW 7 Series Sedan. 750e.

BMW 750e		
<b>Body</b>		
Number of doors/seats		4 / 5
Length/width/height (empty)	mm	5395 / 1950 / 1550
Wheelbase	mm	3215
Track width, front/rear	mm	1662 / 1683
Turning circle	m	13.1
Turning circle with Integral Active Steering	m	12.3
Ground clearance, empty	mm	136
Fuel tank capacity	approx. l	60
Vehicle curb weight (DIN/EU)	kg	2435 / 2510
Payload according to DIN	kg	700
Permitted total weight	kg	3135
Permitted axle loads, front/rear	kg	1520 / 1670
Max. permissible trailer load braked (12 %) / unbraked	kg	2000 / 750
Max. permissible roofload/towbar download	kg	- / 80
Luggage compartment volume	l	525
Drag coefficient	cx x A	0.27 x 2.59
<b>Drive system</b>		
Drive concept	Full hybrid drive, drive torque from one or both sources (petrol engine/electric motor) sent to rear wheels	
System output <sup>1)</sup>	kW/hp	360 / 489
System torque <sup>1)</sup>	Nm	700
<b>Combustion engine</b>		
Config./No. of cyls./valves	R / 6 / 4	
Engine technology	BMW TwinPower Turbo technology: turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing	
Effective capacity	cm³	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel	Min ROZ 91	
Nominal power	kW/hp	230 / 313
at	min <sup>-1</sup>	5500
Nominal torque	Nm	450
at	min <sup>-1</sup>	1850 – 4700
Output per litre	kW/l	76.7
<b>Electric motor</b>		
Engine technology	BMW eDrive technology: synchronous electric motor with pre-gearing stage integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery	
Nominal power	kW/hp	145 / 197
at	rpm	7000
Nominal torque	Nm	280
at	rpm	100 – 5500
Effective torque through pre-gearing stage	Nm	450
<b>High-voltage battery</b>		
Storage technology / installation	Lithium-ion / underfloor	
Voltage	V	347.5
Capacity (gross / net)	kWh	22.1 / 18.7
Max. charging power	kW	11
alternating current (AC) three-phase		
Charging time for 0 – 100 % charge	3:15 h bei 7.4 kW (32 A / 230 V, single-phase)	
Charging time for 0 – 100 % charge	2:15 h bei 11 kW (16 A / 230 V, three-phase)	
<b>Transmission</b>		
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 1.301
	VI	:1 1.000
	VII	:1 0.833
	VIII	:1 0.640
	R	:1 4.543

BMW 750e		
<b>Driving dynamics and safety</b>		
Front wheel suspension	Double-wishbone axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers; optional: Active Roll Stabilisation	
Rear wheel suspension	Five-link axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers; optional: Active Roll Stabilisation	
Brakes, front	Four-piston, fixed-caliper disc brakes, ventilated	
Brakes, rear	Single-piston, floating-caliper disc brakes, ventilated	
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), directly controlled wheel slip limitation, Cornering Brake Assist CBC, Brake Assist DBC, Dry Brake Function, Fade Compensation, Hill Start Control, Trailer Stability Control, Performance Control	
Safety equipment	Standard: Airbags for driver and passenger, side airbags for driver and passenger, interaction airbag between driver and passenger, front and rear head airbags, 3-point automatic-reel belt on all seats, with seat belt stopper at front, seat belt tensioner and seat belt force limiter at the front and the outside rear seats, crash sensors, tyre pressure display	
Steering	Electrically assisted rack-and-pinion steering (EPS) with Servotronic function and variable steering ratio, optional: Integral Active Steering	
Overall steering ratio	:1	15.6
Tyres, front/rear	255/45 R20 105 Y XL / 285/40 R20 108 Y XL	
Wheel rims, front/rear	9J x 20 light-alloy / 10.5J x 20 light-alloy	
<b>Driving performance figures</b>		
Acceleration 0-100 km/h (62 mph)	s	4.8
Top speed	km/h	250 (155 mph) (electronically limited)
Top speed electric	km/h	140 (87 mph) (electronically limited)
Electric range (WLTP)	km	70 – 82
Electric range (Pkw-EnVKV)	km	TBD
<b>BMW EfficientDynamics</b>		
BMW EfficientDynamics standard features	BMW eDrive technology, adaptive Brake Energy Regeneration with recuperation display, Electric Power Steering, hybrid-specific Auto Start Stop function, Optimum Shift Indicator in manual shift mode, coasting function, 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	
<b>Fuel Consumption ECE</b>		
Fuel cons., weighted combined (WLTP)	l/100 km	6.1 – 5.0
CO <sub>2</sub> -emissions from fuel (WLTP)	g/km	138 – 113
Electric power consumption weighted	kWh/100 km	17.7 – 16.2
Fuel cons., weighted combined (Pkw-EnVKV)	l/100 km	TBD
CO <sub>2</sub> -emissions from fuel (Pkw-EnVKV)	g/km	TBD
Electric power consumption weighted	kWh/100 km	TBD
<b>Environmental features</b>		
Emission rating	Euro 7	
CO <sub>2</sub> class(es) weighted combined (Pkw-EnVKV)	TBD	
CO <sub>2</sub> class(es) w. discharged batt. (Pkw-EnVKV)	TBD	

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<sup>1)</sup> Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure)

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# BMW 7 Series Sedan. M760e xDrive.

BMW M760e xDrive			
<b>Body</b>			
Number of doors/seats			4 / 5
Length/width/height (empty)	mm		5395 / 1950 / 1550
Wheelbase	mm		3215
Track width, front/rear	mm		1662 / 1683
Turning circle	mm		13.1
Turning circle with Integral Active Steering			12.3
Ground clearance, empty	m		136
Fuel tank capacity	approx. l		2495 / 2570
Vehicle curb weight (DIN/EU)	kg		660
Payload according to DIN	kg		670
Permitted total weight	kg		3155
Permitted axle loads, front/rear	kg		1520 / 1670
Max. permissible trailer load braked (12 %) / unbraked	kg		2000 / 750
Max. permissible roofload/towbar download	kg		- / 80
Luggage compartment volume	l		525
Drag coefficient	cx x A		0.28 x 2.59
<b>Drive system</b>			
Drive concept		Full hybrid drive, drive torque from one or both sources (petrol engine/electric motor) sent to rear wheels	
System output <sup>1)</sup>	kW/hp		450 / 612
System torque <sup>1)</sup>	Nm		800
<b>Combustion engine</b>			
Config./No. of cyls./valves			R / 6 / 4
Engine technology		BMW eDrive technology: synchronous electric motor with pre-gearing stage integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery	
Effective capacity	cm <sup>3</sup>		2998
Stroke/bore	mm		94.6 / 82.0
Compression ratio	:1		11.0
Fuel			Min ROZ 91
Nominal power	kW/hp		313 / 426
at	min <sup>-1</sup>		5600
Nominal torque	Nm		540
at	min <sup>-1</sup>		1980 – 5400
<b>Electric motor</b>			
Engine technology		BMW eDrive technology: synchronous electric motor with pre-gearing stage integrated into eight-speed Steptronic transmission, generator function for recuperating energy for the high-voltage battery	
Nominal power	kW/PS		145 / 197
at	min <sup>-1</sup>		7000
Nominal torque	Nm		280
at	min <sup>-1</sup>		100 – 5500
Effective torque through pre-gearing stage	Nm		450
<b>High-voltage battery</b>			
Storage technology / installation			Lithium-ion / underfloor
Voltage	V		347.5
Capacity (gross / net)	kWh		22.1 / 18.7
Max. charging power alternating current (AC) three-phase	kW		11
Charging time for 0 – 100 % charge			3:15 h bei 7.4 kW (32 A / 230 V, single-phase)
Charging time for 0 – 100 % charge			2:15 h bei 11 kW (16 A / 230 V, three-phase)
<b>Transmission</b>			
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	1.301
	VI	:1	1.000
	VII	:1	0.833
	VIII	:1	0.640
	R	:1	4,543

BMW M760e xDrive		
<b>Driving dynamics and safety</b>		
Front wheel suspension	Double-wishbone axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers; Active Roll Stabilisation	
Rear wheel suspension	Five-link axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers; Active Roll Stabilisation	
Brakes, front	Four-piston, fixed-caliper disc brakes, ventilated	
Brakes, rear	Single-piston, floating-caliper disc brakes, ventilated	
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), directly controlled wheel slip limitation, Cornering Brake Assist CBC, Brake Assist DBC, Dry Brake Function, Fade Compensation, Hill Start Control, Trailer Stability Control, Performance Control	
Safety equipment	Standard: Airbags for driver and passenger, side airbags for driver and passenger, interaction airbag between driver and passenger, front and rear head airbags, 3-point automatic-reel belt on all seats, with seat belt stopper at front, seat belt tensioner and seat belt force limiter at the front and the outside rear seats, crash sensors, tyre pressure display	
Steering	Electrically assisted rack-and-pinion steering (EPS) with Servotronic function and variable steering ratio, Integral Active Steering	
Overall steering ratio	:1	15.6
Tyres, front/rear	255/45 R20 105 Y XL / 285/40 R20 108 Y XL	
Wheel rims, front/rear	9J x 20 light-alloy / 10.5J x 20 light-alloy	
<b>Driving performance figures</b>		
Acceleration 0-100 km/h (62 mph)	s	4.2
Acceleration 0-100 km/h (62 mph) (using one-foot rollout method) <sup>2)</sup>	s	3.9
Top speed	km/h	250 (155 mph) (electronically limited)
Top speed electric	km/h	140 (87 mph) (electronically limited)
Electric range (WLTP)	km/h	69 – 80
Electric range (Pkw-EnVKV)	km/h	TBD
<b>BMW EfficientDynamics</b>		
BMW EfficientDynamics standard features	BMW eDrive technology, adaptive Brake Energy Regeneration with recuperation display, Electric Power Steering, hybrid-specific Auto Start Stop function, Optimum Shift Indicator in manual shift mode, coasting function, 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	
<b>Fuel Consumption ECE</b>		
Fuel cons., weighted combined (WLTP)		6.8 – 5.6
CO <sub>2</sub> -emissions from fuel (WLTP)	g/km	154 – 128
Electric power consumption weighted	kWh/100 km	18.2 – 16.7
Fuel cons., weighted combined (Pkw-EnVKV)	l/100 km	TBD
CO <sub>2</sub> -emissions from fuel (Pkw-EnVKV)	g/km	TBD
Electric power consumption weighted	kWh/100 km	TBD
<b>Environmental features</b>		
Emission rating		Euro 7
CO <sub>2</sub> class(es) weighted combined (Pkw-EnVKV)		TBD
CO <sub>2</sub> class(es) w. discharged batt. (Pkw-EnVKV)		TBD

All figures relating to technical data, performance, fuel/electric power consumption, emissions and range are provisional and relate to the German market. EnVKV (German Passenger Car Energy Labelling Regulation) figures are not yet available.

Technical specifications valid for ACEA markets / registration-related data only relevant to Germany in some cases

<sup>1)</sup> Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure))

<sup>2)</sup> Value with "rollout" subtracted. With this alternative measuring method, time measurement only begins after leaving a light barrier. The driving distance (the "rollout") not taken into account in the measurement is 1 foot = 30.48 cm.

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Official data on power consumption were determined in accordance with the prescribed WLTP measurement procedure and comply with the Passenger Car Energy Consumption Labelling Ordinance. Go to [www.bmw.de](http://www.bmw.de) for more information.

# BMW 7 Series Sedan. 740 xDrive.

BMW 740 xDrive		
<b>Body</b>		
Number of doors/seats		4 / 5
Length/width/height (empty)	mm	5395 / 1950 / 1550
Wheelbase	mm	3215
Track width, front/rear	mm	1713 / 1736
Turning circle	m	13.1
Turning circle with Integral Active Steering	m	12.3
Fuel tank capacity	approx. l	74
Vehicle curb weight (DIN/EU)	kg	2160 / 2235
Payload according to DIN	kg	670
Permitted total weight	kg	2830
Permitted axle loads, front/rear	kg	1370 / 1490
Max. permissible trailer load braked (12 %) / unbraked	kg	2100 / 750
Max. permissible roofload / towbar download	kg	- / 85
Luggage compartment volume	l	540
Drag coefficient	cx x A	0.27 x 2.59
<b>Drive system</b>		
Drive concept	BMW TwinPower Turbo Technology: Turbocharger, direct injection High Precision Injection, fully variable valve control VALVETRONIC, variable camshaft control Double-VANOS, 48-volt mild hybrid technology with an electric motor integrated in the transmission	
Power output / total <sup>1)</sup>	kW/hp	294 / 400
Torque / total <sup>1)</sup>	Nm	580
<b>Combustion engine</b>		
Config./No. of cyls./valves		R / 6 / 4
Effective capacity	cm <sup>3</sup>	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		Min ROZ 91
Nominal power	kW/hp	294 / 400
at	min <sup>-1</sup>	5500
Nominal torque	Nm	540
at	min <sup>-1</sup>	1980 – 5000
<b>Electric motor</b>		
Nominal power	kW/hp	13 / 18
Nominal torque	Nm	200
<b>Electrical system</b>		
12 volt battery/installation location	Ah/–	70 / engine compartment
48 volt battery/installation location	Ah/–	20 / Luggage compartment
<b>Driving dynamics and safety</b>		
Front wheel suspension	Double-wishbone axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers	
Rear wheel suspension	Five-link axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers	
Brakes, front	Four-piston, fixed-caliper disc brakes, ventilated	
Brakes, rear	Single-piston, floating-caliper disc brakes, ventilated	
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), directly controlled wheel slip limitation, Cornering Brake Assist CBC, Brake Assist DBC, Dry Brake Function, Fade Compensation, Hill Start Control, Trailer Stability Control, Performance Control	
Safety equipment	Standard: Airbags for driver and passenger, side airbags for driver and passenger, interaction airbag between driver and passenger, front and rear head airbags, 3-point automatic-reel belt on all seats, with seat belt stopper at front, seat belt tensioner and seat belt force limiter at the front and the outside rear seats, crash sensors, tyre pressure display	
Steering	Electrically assisted rack-and-pinion steering (EPS) with Servotronic function and variable steering ratio, optional: Integral Active Steering	
Overall steering ratio	:1	15.4
Tyres, front/rear	255/45 R20 105 Y XL / 285/40 R20 108 Y XL	
Wheel rims, front/rear	9J x 20 light-alloy / 10.5J x 20 light-alloy	

BMW 740 xDrive			
Transmission			
Type of transmission		Eight-speed Steptronic transmission	
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Rear axle ratio		:1	3.077
Driving performance figures			
Acceleration 0-100 km/h (62 mph)		s	5.1
Top speed		km/h	250 (155 mph) (electronically limited)
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, map-controlled oil pump, efficiency and weight-optimised all-wheel drive, efficiency-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance	
Fuel Consumption ECE			
Achievable in individual configuration		l/100 km	9.3 – 8.3
According to EnVKV		l/100 km	TBD
CO <sub>2</sub> emissions (WLTP)			
Achievable in individual configuration		g/km	211 – 189
According to EnVKV		g/km	TBD
Environmental features			
Emission rating		Euro 6e	
CO <sub>2</sub> class(es) weighted combined		TBD	

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Technical specifications valid for ACEA markets / registration-related data only relevant to Germany in some cases

<sup>1)</sup> Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure))

All the model variants, equipment levels, technical specifications, consumption and emission values described correspond to what is available on the automotive market in Germany. Dimensions refer to a vehicle fitted with basic equipment in Germany, depending on the selected wheel and tyre size as well as selected optional equipment. These may change according to how the car is configured.

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# BMW 7 Series Sedan. 740d xDrive.

BMW 740d xDrive		
<b>Body</b>		
Number of doors/seats		4 / 5
Length/width/height (empty)	mm	5395 / 1950 / 1550
Wheelbase	mm	3215
Track width, front/rear	mm	1662 / 1683
Turning circle	m	13.1
Turning circle with Integral Active Steering	m	12.3
Ground clearance, empty	mm	136
Fuel tank capacity	approx. l	74
Vehicle curb weight (DIN/EU)	kg	2230 / 2305
Payload according to DIN	kg	650
Permitted total weight	kg	2880
Permitted axle loads, front/rear	kg	1395 / 1525
Max. permissible trailer load braked (12 %) / unbraked	kg	2100 / 750
Max. permissible roofload / towbar download	kg	- / 85
Luggage compartment volume	l	540
Drag coefficient	cx x A	0.28 x 2.59
<b>Drive system</b>		
Drive concept	BMW TwinPower Turbo Technology: Multi-stage turbocharging, high and low-pressure charger with variable inlet geometry, common-rail direct injection with solenoid valve injectors (Max. injection pressure: 2500 bar), 48-volt mild hybrid technology	
Power output / total <sup>1)</sup>	kW/hp	230 / 313
Torque / total <sup>1)</sup>	Nm	670
<b>Combustion engine</b>		
Config./No. of cyls./valves		R / 6 / 4
Effective capacity	cm <sup>3</sup>	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16,5
Fuel		Diesel
Nominal power	kW/hp	210+7 / 286+10
at	min <sup>-1</sup>	4000
Nominal torque	Nm	650
at	min <sup>-1</sup>	1500 – 2500
Power output per litre	kW/l	70.2
<b>Electric motor</b>		
Nominal power	kW/hp	13 / 18
Nominal torque	Nm	200
<b>Electrical system</b>		
12 volt battery/installation location	Ah/–	70 / engine compartment
48 volt battery/installation location	Ah/–	20 / Luggage compartment
<b>Driving dynamics and safety</b>		
Front wheel suspension	Double-wishbone axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers	
Rear wheel suspension	Five-link axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers	
Brakes, front	Four-piston, fixed-caliper disc brakes, ventilated	
Brakes, rear	Single-piston, floating-caliper disc brakes, ventilated	
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), directly controlled wheel slip limitation, Cornering Brake Assist CBC, Brake Assist DBC, Dry Brake Function, Fade Compensation, Hill Start Control, Trailer Stability Control, Performance Control	
Safety equipment	Standard: Airbags for driver and passenger, side airbags for driver and passenger, interaction airbag between driver and passenger, front and rear head airbags, 3-point automatic-reel belt on all seats, with seat belt stopper at front, seat belt tensioner and seat belt force limiter at the front and the outside rear seats, crash sensors, tyre pressure display	
Steering	Electrically assisted rack-and-pinion steering (EPS) with Servotronic function and variable steering ratio, optional: Integral Active Steering	
Overall steering ratio	:1	15.6
Tyres, front/rear	255/45 R20 105 Y XL / 285/40 R20 108 Y XL	
Wheel rims, front/rear	9J x 20 light-alloy / 10.5J x 20 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	1.301
	VI	:1	1.000
	VII	:1	0.833
	VIII	:1	0.640
	R	:1	4.543
Rear axle ratio		:1	2.563
Driving performance figures			
Acceleration 0-100 km/h (62 mph)		s	5.7
Top speed		km/h	250 (155 mph) (electronically limited)
BMW EfficientDynamics			
BMW EfficientDynamics measures as standard		Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, map-controlled oil pump, efficiency and weight-optimised all-wheel drive, efficiency-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, Blue Performance technology with SCR catalytic converter	
Fuel Consumption ECE			
Achievable in individual configuration	I/100 km	7.2 – 6.5	
According to EnVKV	I/100 km	TBD	
CO <sub>2</sub> emissions (WLTP combined)			
Achievable in individual configuration	g/km	191 – 172	
According to EnVKV	g/km	TBD	
Environmental features			
Emission rating		Euro 7	
CO <sub>2</sub> class(es) weighted combined		TBD	

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