

Technical specifications. BMW 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	5391 / 1950 / 1544
Wheelbase	mm	3215
Track width, front/rear	mm	1662 / 1684
Turning circle	m	12.3
Ground clearance, empty	mm	136
Vehicle curb weight (DIN/EU)	kg	2695 / 2770
Payload according to DIN	kg	555
Permitted total weight	kg	3250
Permitted axle loads, front/rear	kg	1550 / 1800
Permitted roof load/permitted trailer nose weight	kg	- / -
Luggage compartment volume	l	500
Drag coefficient	c _x x A	0.26 x 2.60
Drive		
Drive concept		Electric all-wheel drive, coordinated transmission of drive torque from one electric motor to the front and one to the rear wheels as needed
System performance	kW/hp	485 / 660 ¹⁾
System torque	Nm	1100 ¹⁾
System power weight	kg/kW	5.6
Transmission type		Automatic transmission, single-stage with fixed ratio
Electric motors		
Motor technology		Fifth-generation BMW eDrive technology: Current-excited synchronous machines, electric motor, power electronics and transmission each integrated in a common housing, generator function for recuperation
Electric motor front		
Peak power according to ECE R 85		190 / 258
	kW/hp	
at engine speed	rpm	8000
Continuous output according to ECE R 85		70 / 95
	kW/hp	
Torque	Nm	365
at engine speed	rpm	0 - 5000
Overall ratio	:1	8.774
Electric motor rear		
Peak power according to ECE R 85		360 / 489
	kW/hp	
at engine speed	rpm	13000
Continuous output according to ECE R 85		125 / 170
	kW/hp	
Torque	Nm	650
at engine speed	rpm	0 - 5000
Overall ratio	:1	8.765
High voltage battery		
Battery technology		Lithium-ion
Installation location		Underbody
Voltage	V	376.4
Battery capacity:	Ah	280.8
Net energy content	kWh	101.7
Charging time for 0 -100% charge		< 5.5 h at 22 kW (32 A / 380 V, AC three-phase, wallbox)
Charging time for 10 -80% charge		34 min at 195 kW (DC, fast charging station)
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) single-phase		kW
		3.7 (EU) / 7.4 (incl. CN, KR) / 11.0 (US, JP)
max. charging power alternating current (AC) three-phase		kW
		22.0
max. charging power direct current (DC)		kW
		195

Driving dynamics and safety		
Front wheel suspension	Double wishbone suspension in aluminium construction, M specific adaptive air suspension with automatic self-levelling, electronically controlled dampers	
Rear wheel suspension	Five-link axle in aluminium construction, M specific 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), ARB technology (Actuator-Related Wheel Slip Limitation), Cornering Brake Assist CBC, Brake Assist DBC, Dry Brake Function, Fade Compensation, Hill Start Control, Trailer Stability Control, Performance Control, Active Roll Stabilisation with Active Roll Comfort	
Safety equipment	Standard: Airbags for driver and passenger, side airbags for 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, 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.	255/40 R21 102 Y XL / 285/35 R21 105 Y XL	
Wheel rims, front/rear	9J x 21 LM / 10,5J x 21 LM	
Driving performance figures		
Acceleration 0-100 km/h	s	3.7
Top speed	km/h	250
Consumption / range		
Power consumption combined (WLTP)	kWh/100 km	23.8 - 20.8
Power consumption combined (NEDC)	kWh/100 km	-
Range (WLTP)	km	488 - 560
Environmental features		
Emission rating	Electric vehicle	
Insurance rating		
3rd party/fully comprehensive/3rd party fire + theft	2)	

Technical specifications valid for ACEA markets / registration-related data only relevant to Germany in some cases (weights)
All mileage, consumption and emission figures are provisional.

¹⁾ with M Launch Control or M Sport Boost function activated

²⁾ Data not yet available

Fuel consumption, CO₂ emission figures and power consumption as well as electric range are measured using the methods required according to Regulation VO (EC) 2007/715 as amended. This information is based on a vehicle with basic equipment in Germany; ranges take into account differences in wheel and tyre size selected as well as optional equipment.

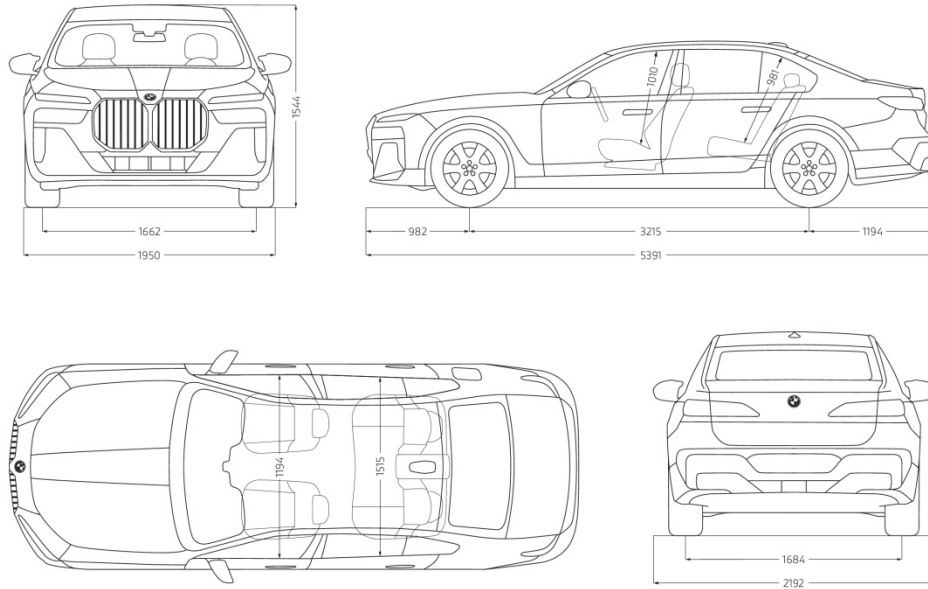
All figures have already been calculated based on the new WLTP test cycle. WLTP values are used as a basis for the assessment of taxes and other vehicle-related levies that are (also) based on CO₂ emissions and, where applicable, for the purposes of vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.de/wltp can be found.

For further details of the official fuel consumption figures and official specific CO₂ emissions of new cars, please refer to the "Manual on the fuel consumption, CO₂ emissions and power consumption of new cars", available at sales outlets free of charge, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

Exterior and interior dimensions.

BMW 7 Series

i7 M70 xDrive.



The dimensions in the technical drawing are in millimetres and may vary depending on the optional equipment.
All values are provisional.