Specifications.
BMW i8 Roadster.

		BMW i8 Roadster
Body		
No of doors/seats		2 / 2
Length/width/height (unladen)	mm	4689 / 1942 / 1291
Wheelbase	mm	2800
Track, front/rear	mm	1644 / 1721
Ground clearance	mm	117
Turning circle	m	12.3
Axle load distribution (unladen) f / r	% / %	49 / 51
Weight, unladen, to DIN/EU	kg	1595 / 1670
Max load to DIN	kg	370
Height of centre of gravity	mm	< 460
Luggage comp capacity	l	88
Air resistance	Cd x A	0.28 x 2.15
Power unit		
Drive concept		Hybrid-specific all-wheel drive: combustion engine sends power to the rear wheels, electric motor sends power to the front wheels
Maximum system output	kW/hp	275 / 374
Petrol engine		
Engine technology		BMW TwinPower Turbo technology: Highly turbocharged engine, High Precision Direct Injection, VALVETRONIC fully variable valve timing
Config / no of cyls / valves		In-line / 3 / 4
Effective capacity	cc	1499
Stroke / bore	mm	94.6 / 82.0
Compression ratio	:1	9.5
Fuel		Min. RON 91 Data on rated output and fuel consumption is based on RON 98
Output	kW/hp	170 / 231
at	rpm	5800
Torque	Nm	320
at	rpm	3700
Fuel tank capacity	l	30, optional: 42
Electric motor		
Motor technology		BMW eDrive technology: Hybrid synchronous electric motor with power electronics, integrated charging module and generator function for energy recuperation
Max output	kW/hp	105 / 143
at	rpm	4800
Rated output	kW/hp	75 / 102
at	rpm	4800
Torque	Nm	250
Recuperation output	kW	60
High-voltage battery		
Storage technology		Lithium-ion
Voltage	V	355
Battery cell capacity	Ah	34
Energy capacity (gross)	kWh	11.6
Charging time for 80 % charge		< 2 h at 3.6 kW (16 A / 230 V)
Charging time for 100 % charge		< 3 h at 3.6 kW (16 A / 230 V)
Charging time for 100 % charge		< 4.5 h from domestic power socket (10 A / 230 V)

			BMW i8 Roadster
Driving dynamics			
Steering			Electric Power Steering (EPS)
Steering ratio, overall		:1	16.0
Tyres, front/rear			195/50 R20 / 215/45 R20
Rims, front/rear			7J x 20 forged aluminium / 7.5J x 20 forged aluminium
Transmission			
Type of transmission: combustion engine			6-speed automatic
Type of transmission: electric motor			2-speed automatic
Performance			
Power-to-weight ratio (DIN)		kg / kW	5.8
Output per litre: petrol engine		kW / l	113.3
Acceleration	0–100 km/h	s	4.6
	80–120 km/h	s	2.6
in 4th/5th gear	80–120 km/h	s	3.5 / 4.1
Top speed		km/h	250 (electronically governed)
Top speed (electric)		km/h	120
Total range*		km	440 (600 with optional 42-litre tank)
Electric range*		km	53
Fuel consumption / emissions in the EU cycle*			
Fuel consumption combined		l/100 km	2.0
CO_2 emissions combined		g/km	46
Electricity consumption combined		kWh/100 km	14.5
Emission rating			EU6

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

*The fuel consumption, CO_2 emissions, power consumption and operating range figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany and the range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment.
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 CO_2 emissions, the CO_2 values may differ from the values stated here (depending on national legislation).]

The CO_2 efficiency specifications are determined according to Directive 1999/94/EC and the latest version of the Pkw-EnVKV, and based (for classification) on the fuel consumption and CO_2 values as per the NEDC cycle.
Further information on official fuel consumption figures and specific CO_2 emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO_2-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guideline for fuel consumption, CO_2 emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships and at https://www.dat.de/en/offers/publications/guideline-for-fuel-consumption.html.