Specifications. BMW i8 Roadster.



	BMW i8 Roadster		
Body			
No of doors/seats		2/2	
Length/width/height (unladen)	mm	4689 / 1942 / 1291	
Lengthwidthneight (unladen) Wheelbase	mm	2800	
	mm		
Track, front/rear	mm	1644 / 1721 117	
Ground clearance	mm		
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	<u> </u>	88	
Air resistance	Cdx A	0.28 x 2.15	
Power unit			
Drive concept		Hybrid-specific all-wheel drive: combustion engine sends power to th	
		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	
		Min. RON 91	
		Data on rated output and fuel consumption	
Fuel		is based on RON 98	
Output	kW/hp	170 / 231	
at	rpm	5800	
Torque	Nm	320	
at	rpm	3700	
Fuel tank capacity	I	30, optional: 42	
Electric motor Motor technology		DMM/ oDrive technology	
Wiotor technology		BMW eDrive technology:	
		Hybrid synchronous electric motor with power electronics, integrated	
M	1.147//-	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	
	LAALI	11.0	
		< 2 h at 3.6 k/M/16 A / 220 \ A	
Charging time for 80 % charge Charging time for 100 % charge		< 2 h at 3.6 kW (16 A / 230 V) < 3 h at 3.6 kW (16 A / 230 V)	

			BMW i8 Roadster	
Dark dan ar ali an a ara				
Driving dynam Steering	iics		Electric Power Steering (EPS)	
		:1	16.0	
Steering ratio, or		:1		
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 transmisengine	ssion: combustion		6-speed automatic	
Type of transmi motor	ssion: electric		2-speed automatic	
Performance				
Power-to-weigh	t ratio (DIN)	kg / kW	5.8	
Output per litre:	petrol engine	kW / I	113.3	
Acceleration	0–100 km/h	S	4.6	
	80-120 km/h	S	2.6	
n 4th/5th gear	80-120 km/h	S	3.5 / 4.1	
op speed		km/h	250 (electronically governed)	
Top speed (elec	etric)	km/h	120	
Fotal range*		km	440	
			(600 with optional 42-litre tank)	
Electric range*		km	53	
Fuel consump	tion / emissions			
uel consumption		l/100 km	2.1	
CO ₂ emissions of		g/km	46	
		kWh/100 km	14.5	
Emission rating			EU6	

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

wheelstyres 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 CO₂ emissions, the CO₂ 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.

^{*}The fuel consumption, CO₂ 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