

# Specifications.

## BMW i8 Coupe.



BMW i8 Coupe		
<b>Body</b>		
No of doors/seats		2 / 4
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 DINEU	kg	1535 / 1610
Max load to DIN	kg	385
Max. permissible weight	kg	1920
Max. axle load, front/rear	kg	940 / 1040
Height of centre of gravity	mm	< 460
Luggage comp capacity	l	154
Air resistance	Cd x A	0.26 x 2.15
<b>Power unit</b>		
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
<b>Petrol engine</b>		
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	(Data on rated output and fuel consumption is based on RON 98)	
Output	kW/hp	170 / 231
at	rpm	5800 – 6000
Torque	Nm	320
at	rpm	3700
Fuel tank capacity	l	30, optional: 42
<b>Electric motor</b>		
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
<b>High-voltage battery</b>		
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)	

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<b>Driving dynamics</b>		
Steering		Electric Power Steering (EPS)
Steering ratio, overall	:1	16.0
Tyres, front/rear		195/50 R20 93W XL / 215/45 R20 95W XL
Rims, front/rear		7J x 20 forged aluminium / 7.5J x 20 forged aluminium
<b>Transmission</b>		
Type of transmission: combustion engine		6-speed automatic
Type of transmission: electric motor		2-speed automatic
<b>Performance</b>		
Power-to-weight ratio (DIN)	kg / kW	5.6
Output per litre: petrol engine	kW / l	113.3
Acceleration 0–100 km/h	s	4.4
in 4th/5th gear 80–120 km/h	s	3.4 / 4.0
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	55
<b>Fuel consumption / emissions in the EU cycle*</b>		
Fuel consumption combined	l/100 km	1.8
CO <sub>2</sub> emissions combined	g/km	42
Electricity consumption combined	kWh/100 km	14.0
Emission rating		EU6d-TEMP

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

The values for fuel consumption, CO<sub>2</sub> emission, energy consumption and range shown were determined in the standardized test cycle according to the European Regulation (EC) 715/2007 in the version applicable at the time of type approval. The figures refer to a vehicle with basic configuration in Germany and the range shown considers optional equipment and the different size of wheels and tires available on the selected model and may vary during the configuration.

The values are already based on the test cycle according to the new WLTP regulation and are translated back into NEDC-equivalent values in order to allow a comparison between vehicles. With respect to these vehicles, for vehicle related taxes or other duties based (at least inter alia) on CO<sub>2</sub>-emissions the CO<sub>2</sub> values may differ to the values stated here.