

Technical specifications. BMW i8.



BMW i8		
Body		
No. of doors/seats		2 / 4
Length / width / height (unladen)	mm	4689 / 1942 / 1293
Wheelbase	mm	2800
Track width front / rear	mm	1644 / 1721
Ground clearance	mm	117
Turning circle	m	12,3
Weight distribution (unladen)	% / %	49 / 51
Weight, unladen (DIN / EU)	kg	1485 / 1560
Payload (DIN)	kg	370
Luggage compartment capacity	l	154
Air resistance $C_{d,x,A}$	-/ m ²	0.26 x 2,15
Drive system		
Drive concept		Hybrid-specific all-wheel drive, combustion engine powering the rear wheels, electric motor the front wheels
System output	kW / hp	266 / 362
Petrol engine		
		BMW TwinPower Turbo technology: High Precision Direct Injection, VALVETRONIC fully variable valve control, high pressure turbo charger
Configuration / cylinders / valves		In-line / 3 / 4
Capacity effective	cm ³	1499
Stroke / bore	mm	94,5 / 82,0
Compression ratio	:1	9,5
Fuel type		min. RON 91 performance and fuel economy figures apply to RON 98
Output	kW / hp at min ⁻¹	170 / 231 at 5800
Torque	Nm at min ⁻¹	320 at 3700
Fuel tank capacity	l	30, optional 42
Electric motor		
		BMW eDrive technology: hybrid synchronous motor with power electronics, integrated charging module and generator mode for recuperation
Peak-Output	kW / hp at min ⁻¹	96 / 131 at 4800
Nominal output	kW / hp at min ⁻¹	75 / 102 at 4800
Torque	Nm at min ⁻¹	250 at 0
Rekuperation	kW	60
High-voltage battery		
Storage technology		Lithium-ion
Voltage	V	355
Capacity gross / net	kWh	7,1 / 5,2
Charging time for 80% charge		< 2h at 3,7kW (16A/230V)
Driving dynamics		
Steering / steering ratio	-/ :1	Electromechanical rack-and-pinion (EPS) / 16,0
Tyres front / rear		195/50 R20/ 215/45 R20
Wheels front / rear		7J x 20 Aluminium, forged 7.5J x 20 Aluminium, forged
Transmission		
Linked to combustion engine		6-speed automatic
Linked to electric motor		2-speed automatic

		BMW i8
Performance		
Power to weight ratio (DIN, unladen)	kg/kW	5,6
Specific output (Petrol engine)	kW/l	113,2
Acceleration	0–100 km/h	4,4
	80–120 km/h	2,6
Top speed	km/h	250 (electronically governed)
Top speed electric	km/h	120
Range in EU cycle, combined	km	440
		(600 with optional 42 litre fuel tank)
Range in EU cycle, electric	km	37
Fuel economy / emissions in EU cycle		
Fuel consumption	l/100 km	2,1
CO ₂ emissions from fuel	g/km	49
Electricity consumption (on top of fuel consumption)	kWh/100km	11,9
Emission standard		EU6

All specifications valid for the European ACEA markets. In other markets different specifications may apply.