

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 $C_{d \times A}$	-/ 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	s	4,4
80–120 km/h	s	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.