1. Technical specifications. BMW i8.



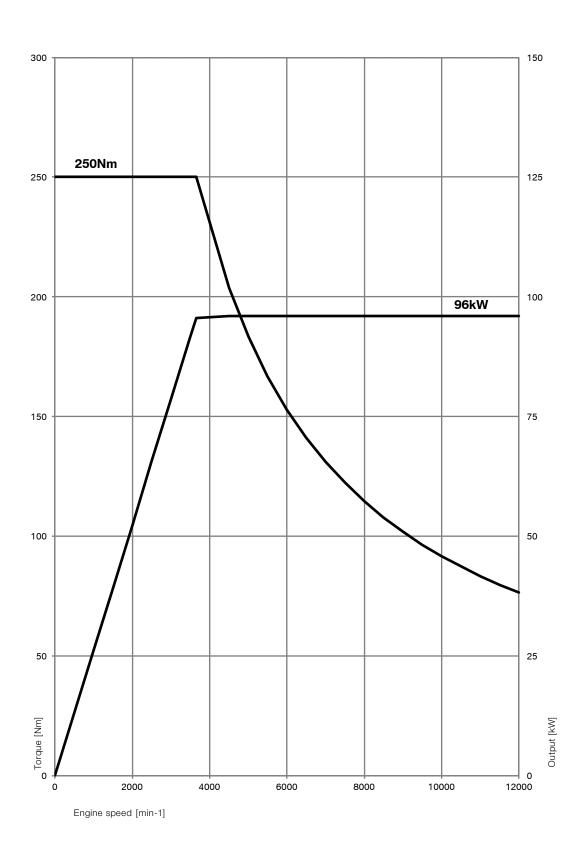
		BMW i8
Body		
Construction		CFRP passenger cell,
		aluminium chassis
No. of doors/seats		2/4
Length/width/height (unladen)	mm	4689 / 1942 / 1293
Wheelbase	mm	2800
Track front / rear	mm	1644 / 1721
Ground clearance	mm	117
Turning circle	m	12.3
Axle load distribution (unladen) front / rear	% / %	49 / 51
Height of centre of gravity	mm	< 460
Kerb weight (DIN / EU)	kg	1485 / 1560
Max. load (DIN)	kg	370
Luggage compartment	ltr	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 driving the
		rear wheels, electric motor
		driving the front wheels
System output	kW / hp	266 / 362
Combustion engine		BMW TwinPower Turbo:
Combustion engine		High Precision Direct Petrol Injection,
		VALVETRONIC fully variable valve
		control and supercharging
Config. / no. of cyls / valves		In-line / 3 / 4
Effective capacity	cm ³	1499
Stroke / bore	mm / mm	94.5 / 82.0
Compression ratio	:1	9.5
Fuel grade	• • • • • • • • • • • • • • • • • • • •	min. RON 91 data for rated output and
i dei grade		fuel consumption are
		based on RON 98
Output	kW / hp at rpm	170 / 231 at 5800
Torque	Nm at rpm	320 at 3700
Tank capacity	ltr	30, optional 42
Electric motor		BMW eDrive technology:
		hybrid synchronous motor with power
		electronics, integrated charging module
		and generator mode for recuperation
Max. output	kW / hp at rpm	96 /131 at 4800
Rated output	kW / hp at rpm	75 / 102 at 4800
Torque	Nm at rpm	250 at 0
Recuperation output	kW	60
High voltage bettery		
High-voltage battery Storage technology		Lithium-ion
Voltage	V	355
Capacity gross / net	kWh	7.1/5.2
Charging time for 80% charge	KVVII	< 2h at 3.7kW (16A/230V)
Charging time for 50 % charge		\ ZITAL 0.7KW (10A/250V)
Driving dynamics		
Steering / ratio	-/:1	Electric rack-and-pinion steering (EPS) / 16.0
Front axle		Aluminium double track
Tront date		control arm with anti-dive,
		separate lower level with
		wishbone and tie rod
Rear axle		Aluminium five-arm
		geometry, directly connected
		BMW i8

Tyres front / rear			
Rims front / rear	Tyres front / rear		195/50 R20
T.5J x 20 forged aluminium Front brakes 4-piston fixed calliper, disc 340mm x 29.2mm, inner-vented 1-piston floating calliper, disc 340mm x 19.2mm, inner-vented 1-piston floating c	,		
Front brakes	Rims front / rear		7J x 20 forged aluminium
Consumption			7.5J x 20 forged aluminium
Rear brakes 1-piston floating calliper, disc 340mm x 19.2mm, inner-vented consumption / emissions in Rear brakes 1-piston floating calliper, disc 340mm x 19.2mm, inner-vented consumption / emissions in Rear brakes 1-piston floating calliper, disc 340mm x 19.2mm, inner-vented consumption / emissions in Rear brakes 1-piston floating calliper, consumption / emissions in Rear brakes 1-piston floating calliper, consumption 1-piston floating calliper, consumption 1-piston floating calliper, consumption 1-piston floating calliper, consumption 1-piston floating calliper, clies calliper,	Front brakes		
Rear brakes			•
Driving stability systems			
Inner-vented Driving stability systems DSC, CBC, DBC, ADB-x, FAV, DTC	Rear brakes		
Driving stability systems DSC, CBC, DBC, ADB-x, FAV, DTC			•
FAV, DTC Transmission for combustion engine (ratios) 6-speed automatic transmission (4.459, 2.508, 1.556, 1.142, 0.851, 0.672) for electric motor (ratios) :1 2-speed automatic transmission (11.3, 5.85) Performance Power-to-weight ratio (DIN, kg/kW unladern) 5.6 Specific output (combustion kW/ltr sengine) 113.3 Specific output (combustion sengine) kW/ltr sengine) Acceleration 0 - 100 km/h s s s s s s s s s s s s s s s s s s s			
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Electric power (in addition to fuel kWh/100 km 11.9 consumption)			
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			EU6

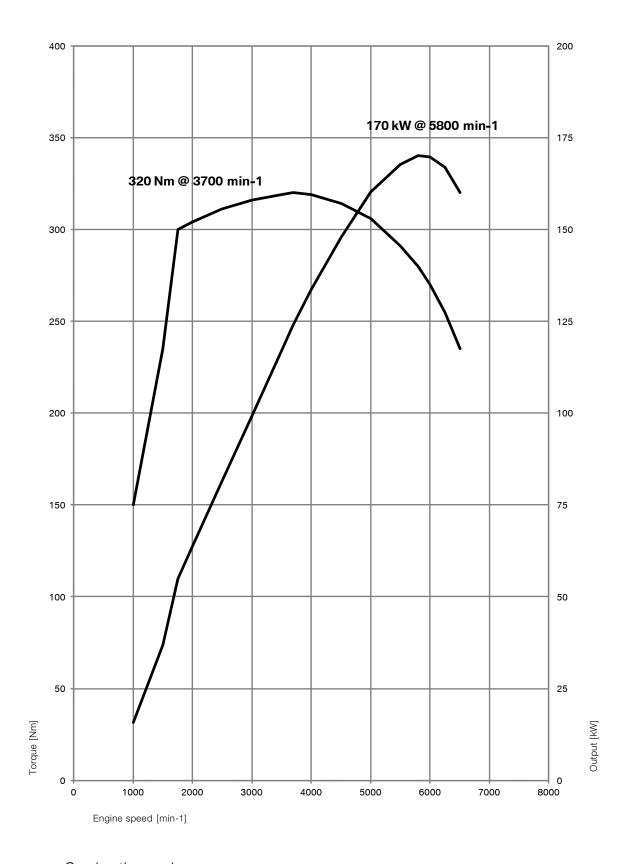
All data apply to European ACEA markets. They may vary for other countries.

2. Output and torque diagram.





Electric motor



3. Exterior and interior dimensions.



