

## 8. Technical specifications. BMW i3.



		BMW i3	BMW i3 (Range Extender)
<b>Body</b>			
No of doors / seats		5 / 4	5 / 4
Length	mm	3999	3999
Width	mm	1775	1775
Height (* with roof fin)	mm	1578 (* 1597)	1578 (* 1597)
Wheelbase	mm	2570	2570
Turning circle	m	9.86	9.86
Front / rear overhang	mm/mm	707 / 722	707 / 722
Ground clearance	mm	140	140
Luggage compartment volume	m <sup>3</sup>	0.260 – 1.100	0.260 – 1.100
Tank capacity	ltr	0	9
Weight, unladen, according to DIN/EU	kg	1195 / 1270	1315 / 1390
Max permissible weight / load	kg / kg	1620 / 425	1730 / 415
Air resistance (C <sub>d</sub> /A/C <sub>d</sub> x A)	- / m <sup>2</sup> / m <sup>2</sup>	0.29 / 2.38 / 0.69	0.30 / 2.38 / 0.71
<b>Drive system</b>			
Type of electric motor		BMW eDrive technology: Hybrid synchronous motor with integrated power electronics, charger and generator mode for recuperation	
Output	kW/hp	125 / 170	125 / 170
Torque	Nm	250	250
Recuperation	kW	up to 50	up to 50
<b>High-voltage battery</b>			
Rated voltage	V	360	360
Energy capacity (gross)	kWh	22	22
Storage technology		Lithium-ion	Lithium-ion
<b>Combustion engine</b>			
Torque	Nm	-	55
Config / No of cyls / Valves per cyl		-	in-line / 2 / 4
Capacity	cm <sup>3</sup>	-	647
Stroke / bore	mm/mm	-	66 / 79
Output / at rpm	kW/hp/ rpm	-	25 (34) / 4300
Torque / at rpm	Nm/ rpm	-	55 / 4300
Compression ratio / poss fuel (recommended)	:1/-	-	10.6 / RON87-98 (RON95)
Exhaust standard / fuel		-	EU6 / RON 95
<b>Driving dynamics</b>			
Drive concept		Rear-wheel drive	
Front suspension		Aluminium single-joint MacPherson spring strut with anti-dive	
Rear suspension		Five-link axle directly mounted to the Drive module	
Tyres front / rear		155/70 R19 / 155/70 R19	155/70 R19 / 175/65 R19
Rims front / rear		5J x 19 light-alloy / 5J x 19 light-alloy	5J x 19 light-alloy / 5.5J x 19 light-alloy
<b>Transmission</b>			
Type of transmission		Automatic, single speed with fixed ratio	
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg/kW	9.6	10.5
Acceleration	0–100 km/h	s	7.9
	0–60 km/h	s	3.9
	80–120 km/h	s	5.5
Top speed	km/h	150	150
Range in everyday driving			
(Comfort mode)	km	130 – 160	240 – 300
(most efficient driving mode)	km	up to 200	up to 340
Range in EU cycle			
(Comfort mode)	km	190	170

	<b>BMW i3</b>	<b>BMW i3 (Range Extender)</b>	
<b>Charging times (for 80% charge)</b>	from < 30 min at 50 kW fast charge to ~ 8 h at domestic socket		
<b>Consumption in EU cycle</b>			
Power	kWh/100 km	12.9	13.5
Fuel / CO <sub>2</sub> *	ltr/100 km / g	0	0.6 / 13

Specifications apply to ACEA markets; data relevant to homologation applicable in part only to Germany (weight)

\* Based on EU cycle calculation regulation for vehicles with range extender; also applies if the range extender is not used in the test cycle.