

Technical Specifications. BMW i3 94 Ah.



		BMW i3 (94 Ah)	BMW i3 (94 Ah) with Range Extender
Body			
Layout		CFRP body shell, Aluminium chassis	
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	ltr	260 – 1.100	260 – 1.100
Tank capacity	ltr	0	9
Weight, unladen, according to DIN / EU	kg	1245 / 1320	1365 / 1440
Max permissible weight / load	kg / kg	1670 / 425	1760 / 395
Weight distribution (unladen)	% f / r	47 / 53	44 / 56
Air resistance (Cd x A)	– / m ²	0,29 x 2,38	0,30 x 2,38
Electric motor			
Type		BMW eDrive technology: Hybrid synchronous motor with integrated power electronics, charger and generator mode for recuperation	
Peak-Output	kW (hp)	125 (170)	125 (170)
Permanent Output	kW (hp) / min ⁻¹	75 (102) / 4800	75 (102) / 4800
Torque	Nm/ min ⁻¹	250 / 0	250 / 0
Recuperation	kW	up to 50	up to 50
High-voltage battery			
Rated voltage	V	353	353
Energy capacity (gross/net)	kWh	33,2/27,2	33,2/27,2
Storage technology		Lithium-ion	Lithium-ion
Combustion engine			
Config / No of cyls / Valves per cyl		–	in-line / 2 / 4
Capacity	cm ³	–	647
Stroke / bore	mm/mm	–	66 / 79
Output / at rpm	kW (hp) / min ⁻¹	–	28 (38) / 5000
Torque / at rpm	Nm/ min ⁻¹	–	56 / 4500
Compression ratio / poss fuel (recommended)	:1–	–	10.6 / RON87-98 (RON95)
Exhaust standard / fuel		Electric Vehicle	EU6 / RON 95
Driving dynamics			
Drive concept		Rear-wheel drive	
Front suspension		Single-joint MacPherson spring strut with anti-dive; Aluminium	
Rear suspension		Five-link axle directly mounted to the Drive module; Aluminium	
Tyres front / rear		155/70 R19 / 155/70 R19	155/70 R19 / 175/60 R19
Rims front / rear		5J x 19 light-alloy / 5J x 19 light-alloy	5J x 19 light-alloy/ 5J x 19 light-alloy
Steering			
		Electric steering (EPS); ratio 14,2:1	
Brakes			
		Ventilated disk brakes front / rear	
Transmission			
		Automatic, single speed with fixed ratio 9,665:1	

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Performance			
Power-to-weight ratio (DIN)	kg / kW	10,0	10,9
Acceleration 0–100 km/h	s	7,3	8,1
0–60 km/h	s	3,8	4
80–120 km/h	s	5,1	5,7
Top speed	km/h	150	150
Range in everyday driving**	km	up to 200	up to 330
Range in EU cycle (Comfort mode)			
Rim-cluster 1: 19" Styling 427, 428, 429	km	312	240
Rim-cluster 2: 20" Styling 431	km	300	231
Charging times (for 80% charge)		~39 min at 50 kW DC charger; ~ 09.30 h at domestic household socket (12A / 240V) ~ 7:30 h at BMWi Wallbox (3,7 kW / 16 A) ~ 3:45 h at BMWi Wallbox (7,4 kW / 32 A) ~ 2:45 h at BMWi Wallbox (11 kW / 16 A)	
Consumption in EU cycle			
Electric energy			
Rim-cluster 1: 19" Styling 427, 428, 429	kWh / 100 km	12,6	11,3
Rim-cluster 2: 20" Styling 431	kWh / 100 km	13,1	11,9
Fuel / CO2*			
Rim-cluster 1: 19" Styling 427, 428, 429	ltr / 100 km / g	0	0,6 / 12
Rim-cluster 2: 20" Styling 431	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.

** Range achievable according to BMW range testing under everyday conditions in city environment, 20° degrees, heating/air conditioning, preheating, COMFORT driving mode. Range is dependent on a variety of factors, above all personal driving style, street conditions, outside temperature, preheating.