

Technical Specifications. BMW i3.



		BMW i3 (60 Ah)	BMW i3 (94 Ah)
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	0
Weight, unladen, according to DIN / EU	kg	1205 / 1280	1245 / 1320
Max permissible weight / load	kg / kg	1630 / 425	1670 / 425
Weight distribution (unladen)	% f / r	47 / 53	47 / 53
Air resistance (C _d x A)	- / m ²	0,29 x 2,38	0,29 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	360	353
Energy capacity (gross/net)	kWh	21,6/18,8	33,2/27,2
Storage technology		Lithium-ion	Lithium-ion
Combustion engine			
Config / No of cyls / Valves per cyl		-	-
Capacity	cm ³	-	-
Stroke / bore	mm/mm	-	-
Output / at rpm	kW (hp) / min ⁻¹	-	-
Torque / at rpm	Nm/ min ⁻¹	-	-
Compression ratio / poss fuel (recommended)	:1/-	-	-
Exhaust standard / fuel		Electric Vehicle	Electric Vehicle
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 / 155/70 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	9,6	10,0
Acceleration	0–100 km/h	7,2	7,3
	0–60 km/h	3,7	3,8
	80–120 km/h	4,9	5,1
Top speed	km/h	150	150
Range in everyday driving	km	up to 130	up to 200
Range in EU cycle (Comfort mode)			
Rim-cluster 1: 19" Styling 427, 428, 429	km	190	312
Rim-cluster 2: 20" Styling 431	km		300
Charging times (for 80% charge)			
		~25 min at 50 kW DC charger; ~ 7:45 h at domestic household socket (12A / 240V); ~ 5:30 h at BMWi Wallbox (3,7 kW / 16 A) ~ 2:50 h at BMWi Wallbox (7,4 kW / 32 A)	~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	12,9	12,6
Rim-cluster 2: 20" Styling 431	kWh / 100 km		13,1
Fuel / CO ₂ *	ltr / 100 km / g	0	0

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.

		BMW i3 (60 Ah) with Range Extender	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	9	9
Weight, unladen, according to DIN / EU	kg	1340 / 1415	1365 / 1440
Max permissible weight / load	kg / kg	1755 / 415	1760 / 395
Weight distribution (unladen)	% f / r	44 / 56	44 / 56
Air resistance (C _d x A)	- / m ²	0,30 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 at rpm	kW (hp) / min-1	75 (102) / 4800	75 (102) / 4800
Torque at rpm	Nm/ min-1	250 / 0	250 / 0
Recuperation	kW	up to 50	up to 50
High-voltage battery			
Rated voltage	V	360	353
Energy capacity (gross/net)	kWh	21,6/18,8	33,2/27,2
Storage technology		Lithium-ion	Lithium-ion
Combustion engine			
Config / No of cyls / Valves per cyl		in-line / 2 / 4	in-line / 2 / 4
Capacity	cm ³	647	647
Stroke / bore	mm/mm	66 / 79	66 / 79
Output / at rpm	kW (hp) / min-1	28 (38) / 5000	28 (38) / 5000
Torque / at rpm	Nm/ min-1	56 / 4500	56 / 4500
Compression ratio / poss fuel (recommended)	:1-	10.6 / RON87-98 (RON95)	10.6 / RON87-98 (RON95)
Exhaust standard / fuel		EU6 / RON 95	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 / 175/60 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	

		BMW i3 (60 Ah) with Range Extender	BMW i3 (94 Ah) with Range Extender
Performance			
Power-to-weight ratio (DIN)	kg / kW	10,7	10,9
Acceleration	0–100 km/h	7,9	8,1
	0–60 km/h	3,9	4
	80–120 km/h	5,5	5,7
Top speed	km/h	150	150
Range in everyday driving	km	up to 270	up to 330
Range in EU cycle (Comfort mode)			
Rim-cluster 1: 19" Styling 427, 428, 429	km	170	240
Rim-cluster 2: 20" Styling 431	km		231
Charging times (for 80% charge)			
		~25 min at 50 kW DC charger; ~ 7:45 h at domestic household socket (12A / 240V); ~ 5:30 h at BMWi Wallbox (3,7 kW / 16 A) ~ 2:50 h at BMWi Wallbox (7,4 kW / 32 A)	~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	13,5	11,3
Rim-cluster 2: 20" Styling 431	kWh / 100 km		11,9
Fuel / CO ₂ *			
Rim-cluster 1: 19" Styling 427, 428, 429	ltr / 100 km / g	0,6 / 13	0,6 / 12
Rim-cluster 2: 20" Styling 431	ltr / 100 km / g		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.