

# Specifications.

## The new BMW i3.



		BMW i3	BMW i3 with range extender
<b>Body</b>			
Construction		CFRP passenger cell, aluminium chassis	
No of doors / seats		5 / 4	5 / 4
Length	mm	4011	4011
Width	mm	1775	1775
Height (with roof fin)	mm	1598	1598
Wheelbase	mm	2570	2570
Turning circle	m	9.86	9.86
Overhang front / rear	mm / mm	715 / 726	715 / 726
Ground clearance	mm	139	139
Boot capacity	ltr	260 – 1100	260 – 1100
Fuel tank capacity	ltr	–	9
Weight, unladen, to DIN / EU	kg	1245 / 1320	1365 / 1440
Max permissible weight / load	kg / kg	1670 / 425	1760 / 395
Axle load distribution (unladen)	% f / r	47 / 53	44 / 56
Air resistance (cd x A)	– / m <sup>2</sup>	0.29 x 2.38	0.30 x 2.38
<b>Electric motor</b>			
Motor technology		BMW eDrive technology: hybrid synchronous electric motor with integrated power electronics, charging unit and generator function for energy recuperation	
Max output	kW (hp)	125 (170)	125 (170)
Rated output / at	kW (hp) / rpm	75 (102) / 4800	75 (102) / 4800
Torque / at	Nm / rpm	250 / 0	250 / 0
Recuperation output	kW	up to 50	up to 50
<b>High-voltage battery</b>			
Voltage	V	353	353
Battery capacity	Ah	94	94
Power output (gross / net)	kWh	33.2 / 27.2	33.2 / 27.2
Storage technology		Lithium-ion	Lithium-ion
<b>Combustion engine</b>			
Config / no of cyls / valves		–	In-line / 2 / 4
Effective capacity	cc	–	647
Stroke / bore	mm/mm	–	66 / 79
Output at	kW (hp) / rpm	–	28 (38) / 5000
Torque / at	Nm / rpm	–	56 / 4500
Compression ratio / poss. petrol type (recommended type)	:1/–	–	10.6 / RON87-98 (RON95)
Emission rating (petrol engine)		Electric vehicle	EU6
<b>Chassis</b>			
Drive configuration		Rear-wheel drive	
Suspension, front		Aluminium single-joint McPherson spring strut with anti-dive	
Suspension, rear		Aluminium five-link axle directly mounted to the Drive module	
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 / 5.5J x 19 light-alloy
<b>Steering</b>			
		Electric Power Steering (EPS), ratio 14:1	
<b>Brakes</b>			
		Vented discs front / rear	
<b>Transmission</b>			
		Automatic, single-speed with fixed ratio (9.665:1)	

		<b>BMW i3</b>	<b>BMW i3 with range extender</b>
<b>Performance</b>			
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	4.0
80–120 km/h	s	5.1	5.7
Top speed	km/h	150	150
<b>Range</b>			
Range in everyday driving***	km	up to 200	up to 330
Electric range in EU cycle (Comfort mode)*			
with 5J x 19 wheels front and 5J x 19 / 5.5J x 19 rear; tyres: 155/70 R19 front and 155/70 R19 / 175/60 R19 rear			
	km	300	235
with 5J x 20 wheels front and 5.5J x 20 rear; tyres: 155/60 R20 front and 175/55 R20 rear			
	km	290	225
Electric range as per WLTP cycle (Comfort mode)**	km	235 – 255	190 – 200
<b>Charging times (for 80% charge)</b>			
		~39 min on 50 kW DC; ~ 11.00 h from domestic socket (10A / 240V) ~ 7.30 h from BMW i Wallbox (3.7 kW / 16 A) ~ 3.45 h from BMW i Wallbox (7.4 kW / 32 A, single-phase) ~ 2.45 h from BMW i Wallbox (11 kW / 16 A, three-phase)	
<b>Consumption in EU cycle*</b>			
Electricity			
with 5J x 19 wheels front and 5J x 19 / 5.5J x 19 rear; tyres: 155/70 R19 front and 155/70 R19 / 175/60 R19 rear			
	kWh / 100 km	13.1	11.5
with 5J x 20 wheels front and 5.5J x 20 rear; tyres: 155/60 R20 front and 175/55 R20 rear			
	kWh / 100 km	13.6	11.9
Petrol / CO <sub>2</sub> *			
with 5J x 19 wheels front and 5J x 19 / 5.5J x 19 rear; tyres: 155/70 R19 front and 155/70 R19 / 175/60 R19 rear			
	l/100 km / g/km	0	0.6 / 13
with 5J x 20 wheels front and 5.5J x 20 rear; tyres: 155/60 R20 front and 175/55 R20 rear			
	l/100 km / g/km	0	0.6 / 14

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

\* Consumption and emissions figures as well as ranges according to NEDC test cycle, may vary depending on the tyre format specified.

\*\* Ranges according to WLTP test cycle, may vary depending on the tyre format specified and the equipment level.

\*\*\* Figures according to BMW range measurements in everyday use in urban areas, exterior temperature: 20°C, heating/air conditioning, pre-conditioning, COMFORT driving mode. Range dependent on various factors. In particular: personal driving style, route characteristics, exterior temperature, pre-conditioning.

All figures relating to performance, consumption, emissions and range are provisional.

Further information on official fuel consumption figures, specific CO<sub>2</sub> emission values and the electric power consumption of new passenger cars is included in the following guideline: "Leitfaden über Kraftstoffverbrauch, die CO<sub>2</sub>-Emissionen und den Stromverbrauch neuer Personenkraftwagen" (Guideline for fuel consumption, CO<sub>2</sub> emissions and electric power consumption of new passenger cars), which can be obtained from all dealerships, from the Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Schornhausen and at <http://www.dat.de/en/offers/publications/guideline-for-fuel-consumption.html>. LeitfadenCO<sub>2</sub> (GuidelineCO<sub>2</sub>) (PDF – 2.7 MB)

# The new BMW i3s.

		<b>BMW i3s</b>	<b>BMW i3s with range extender</b>
<b>Body</b>			
Construction		CFRP passenger cell, aluminium chassis	
No of doors / seats		5 / 4	5 / 4
Length	mm	4006	4006
Width	mm	1791	1791
Height (with roof fin)	mm	1590	1590
Wheelbase	mm	2570	2570
Turning circle	m	10.31	10.31
Overhang front / rear	mm / mm	714 / 722	714 / 722
Ground clearance	mm	131	131
Boot capacity	ltr	260 – 1100	260 – 1100
Fuel tank capacity	ltr	–	9
Weight, unladen, to DIN / EU	kg	1265 / 1340	1385 / 1460
Max permissible weight / load	kg / kg	1700 / 425	1780 / 380
Axle load distribution (unladen)	% f / r	47 / 53	44 / 56
Air resistance (cd x A)	– / m <sup>2</sup>	0.32 x 2.41	0.33 x 2.41
<b>Electric motor</b>			
Motor technology		BMW eDrive technology: hybrid synchronous electric motor with integrated power electronics, charging unit and generator function for energy recuperation	
Max output	kW (hp)	135 (184)	135 (184)
Rated output / at	kW (hp) / rpm	75 (102) / 4800	75 (102) / 4800
Torque / at	Nm / rpm	270 / 0	270 / 0
Recuperation output	kW	up to 50	up to 50
<b>High-voltage battery</b>			
Voltage	V	353	353
Battery capacity	Ah	94	94
Power output (gross / net)	kWh	33.2 / 27.2	33.2 / 27.2
Storage technology		Lithium-ion	Lithium-ion
<b>Combustion engine</b>			
Config / No of cyls / valves		–	In-line / 2 / 4
Effective capacity	cc	–	647
Stroke / bore	mm/mm	–	66 / 79
Output at	kW (hp) / rpm	–	28 (38) / 5000
Torque / at	Nm / rpm	–	56 / 4500
Compression ratio / poss. petrol type (recommended type)	:1/–	–	10.6 / RON87-98 (RON95)
Emission rating (petrol engine)		Electric vehicle	EU6
<b>Chassis</b>			
Drive configuration		Rear-wheel drive	
Suspension, front		Aluminium single-joint McPherson spring strut with anti-dive	
Suspension, rear		Aluminium five-link axle directly mounted to the Drive module	
Tyres, front / rear		175/55 R20 / 195/50 R20	175/55 R20 / 195/50 R20
Rims, front / rear		5.5J x 20 light-alloy / 6J x 20 light-alloy	5.5J x 20 light-alloy / 6J x 20 light-alloy
<b>Steering</b>			
		Electric Power Steering (EPS), ratio 14:1	
<b>Brakes</b>			
		Vented discs front / rear	
<b>Transmission</b>			
		Automatic, single-speed with fixed ratio (9.665:1)	

		<b>BMW i3s</b>	<b>BMW i3s with range extender</b>
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg / kW	9.4	10.3
Acceleration 0–100 km/h	s	6.9	7.7
0–60 km/h	s	3.7	4.0
80–120 km/h	s	4.3	4.8
Top speed	km/h	160	160
<b>Range</b>			
Range in everyday driving***	km	up to 200	up to 330
Electric range in EU cycle (Comfort mode)*			
with 5.5J x 20 wheels front and 6J x 20 rear; tyres: 175/55 R20 front and 195/50 R20 rear	km	280	220
Electric range as per WLTP cycle (Comfort mode)**	km	235 – 245	185 – 195
<b>Charging times (for 80% charge)</b>			
		~39 min on 50 kW DC; ~ 11.00 h from domestic socket (10A / 240V) ~ 7.30 h from BMW i Wallbox (3.7 kW / 16 A) ~ 3.45 h from BMW i Wallbox (7.4 kW / 32 A, single-phase) ~ 2.45 h from BMW i Wallbox (11 kW / 16 A, three-phase)	
<b>Consumption in EU cycle*</b>			
Electricity			
with 5.5J x 20 wheels front and 6J x 20 rear; tyres: 175/55 R20 front and 195/50 R20 rear	kWh / 100 km	14.3	12.5
Petrol / CO <sub>2</sub> *			
with 5.5J x 20 wheels front and 6J x 20 rear; tyres: 175/55 R20 front and 195/50 R20 rear	l/100 km / g/km	0	0.7 / 14

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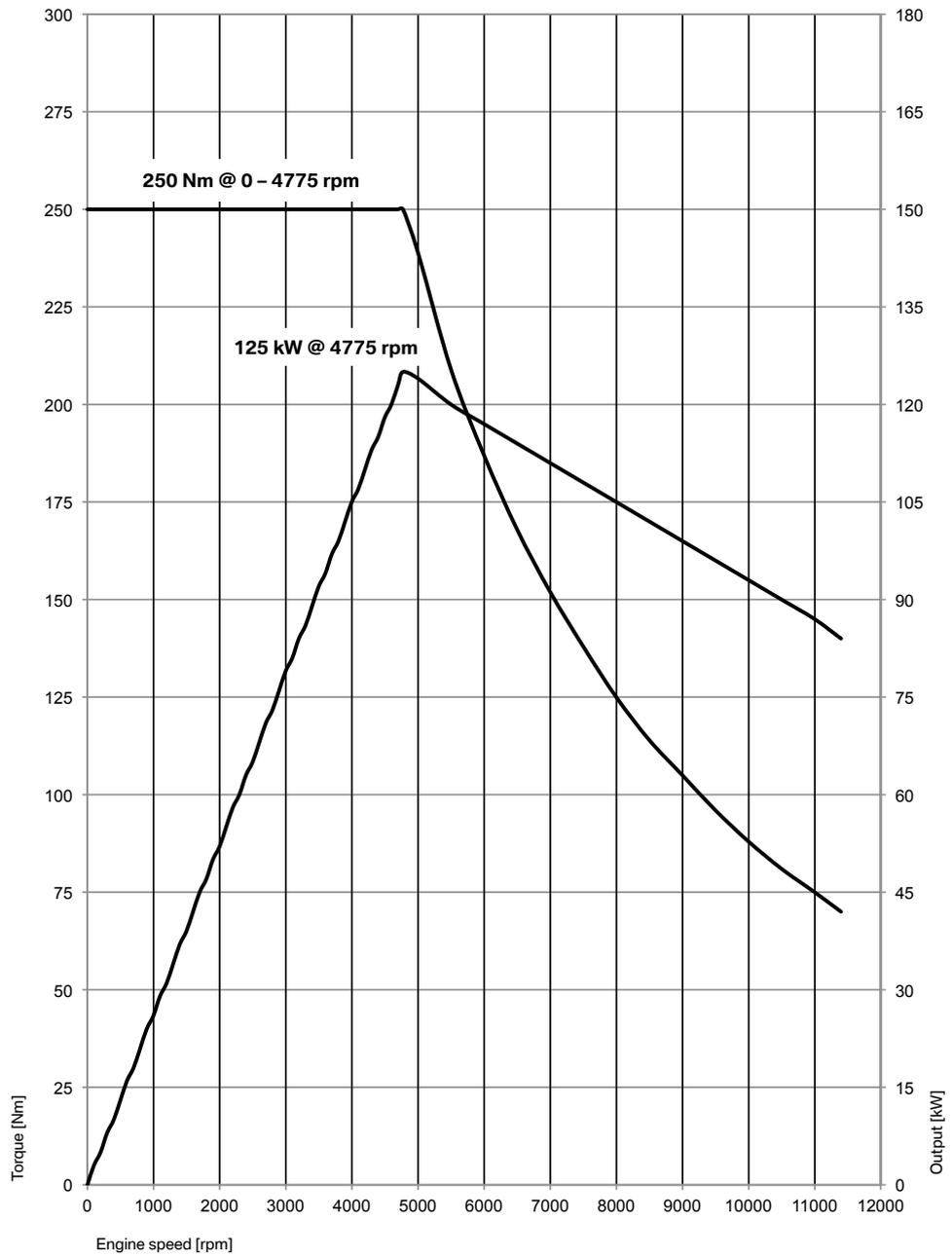
\*\* Ranges according to WLTP test cycle, may vary depending on the tyre format specified and the equipment level.

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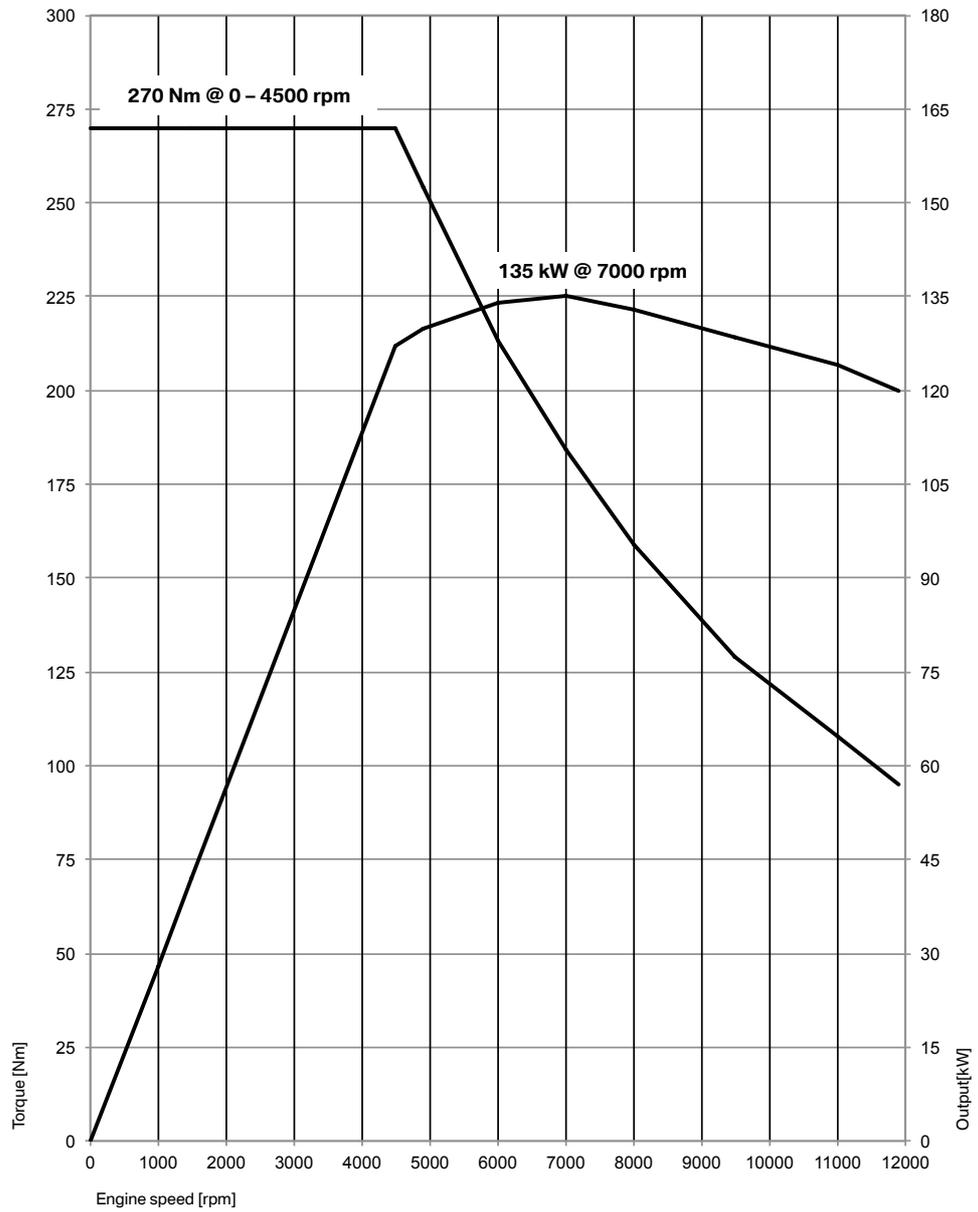
# Output and torque diagrams. The new BMW i3.



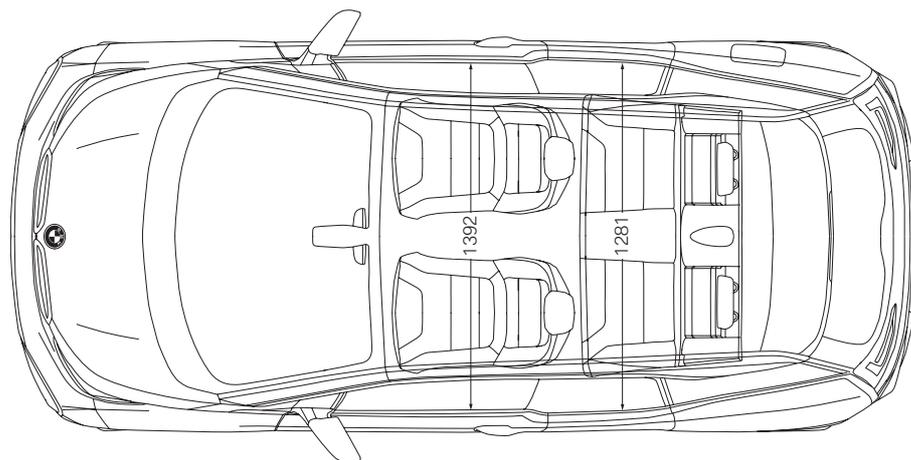
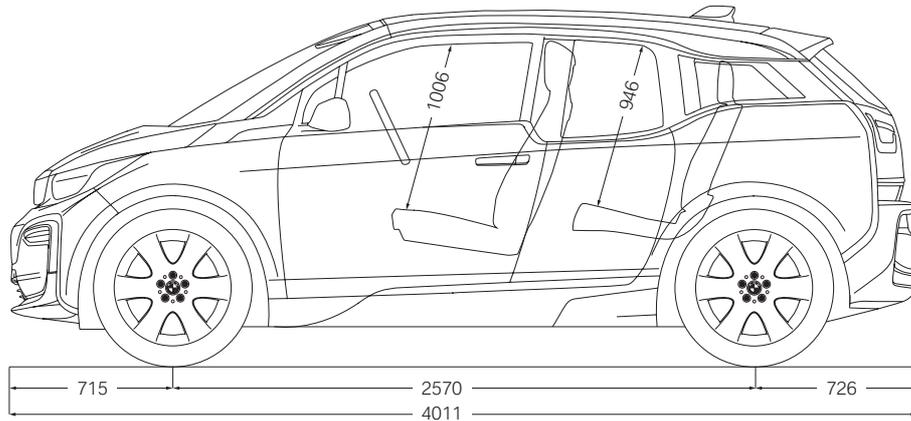
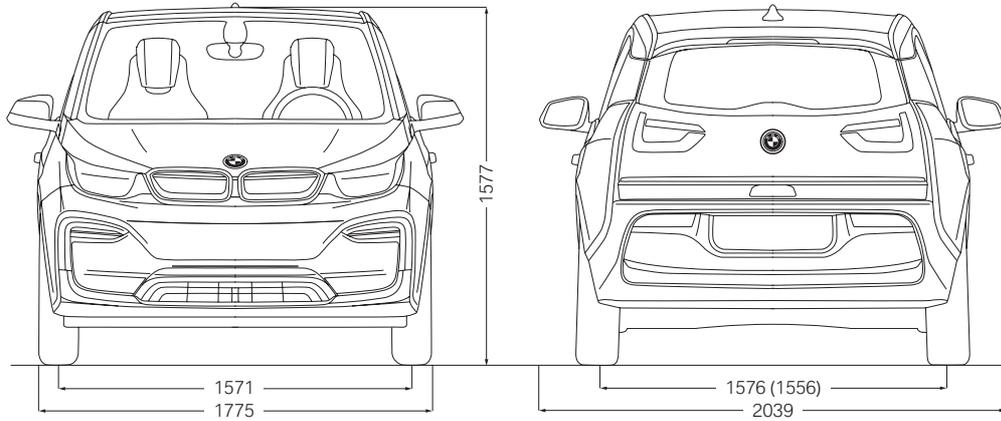
# The new BMW i3s.

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# Exterior and interior dimensions. The new BMW i3.



# The new BMW i3s.

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