

BMW

U.S. Media Information

Technical Data

2018 BMW i3 / BMW i3s

		BMW i3	BMW i3	BMW i3s	BMW i3s
		automatic	with Range Extender	automatic	with Range Extender
Transmission type			automatic		automatic
Body					
Seats	--	4	4	4	4
Number of Doors	--	4	4	4	4
Drive type	--	RWD	RWD	RWD	RWD
Veh. length	inch	158.3	158.3	158.1	158.1
Veh. width	inch	69.9	69.9	70.5	70.5
Width incl mirrors	inch	80.3	80.3	80.3	80.3
Veh. height	inch	62.9	62.9	62.6	62.6
Wheelbase	inch	101.2	101.2	101.2	101.2
Overhang front	inch	28.5	28.5	28.5	28.5
Rear overhang	inch	28.6	28.6	28.4	28.4
Ground clearance	inch	5.5	5.5	5.2	5.2
Turning circle	ft	32.4	32.4	33.8	33.8
Legroom front	inch	40.5	40.5	40.5	40.5
Legroom 2nd row	inch	31.9	31.9	31.9	31.9
Shoulder room front	inch	53.6	53.6	53.6	53.6
Shoulder room rear	inch	49.2	49.2	49.2	49.2
Headroom front	inch	39.6	39.6	39.6	39.6
Maximum headroom 2nd row	inch	37.2	37.2	37.2	37.2
Front Seat Volume	ft³	49.8	49.8	49.8	49.8
Rear Seat Volume	ft³	33.8	33.8	33.8	33.8
Press Trunk volume (SAE)	ft³	15.1 - 36.9	15.1 - 36.9	15.1 - 36.9	15.1 - 36.9
US Tank capacity - series	gal	/	2.3	/	2.3
Rear weight distribution (empty car)	%	51.6	55.1	51.6	55
US Curb weight	lbs	2961	3234	3005	3278
Engine					
Engine type	--	-	W20K06U0	-	W20K06U0
Cylinders	--	-	2	-	2
Valves p.cyl.	--	-	4	-	4
Stroke	mm	-	66	-	66

		BMW i3	BMW i3 with Range Extender	BMW i3s	BMW i3s with Range Extender
Bore	mm	-	79	-	79
Displacement	cm ³	-	647	-	647
Compression rate	:1	-	10.6	-	10.6
Engine power	hp@rpm	-	38@5000	-	38@5000
Engine torque	lb-ft@rpm	-	41@4500	-	41@4500
Fuel type	--	-	gasoline	-	gasoline
Useable Fuel quality	--	-	ROZ87-98	-	ROZ87-98
Recomm.	--	-	ROZ95	-	ROZ95
Engine oil (filling quantity)	liter	-	2.7	-	2.7
Electrical Machine					
Motor function (1. E-engine)	--	electrical traction machine	electrical traction machine	electrical traction machine	electrical traction machine
Engine (1. E-engine)	--	IB1P23M0	IB1P23M0	IB1P23M0	IB1P23M0
Engine Config (1. E-engine)	--	synchronous	synchronous	synchronous	synchronous
Peak power acc. to ECE R 85 (1. E-engine)	hp	170	170	184	184
Max. torque (1. E-engine)	lb-ft	184	184	199	199
Transmission					
Transmission designation	--	GE1B133H	GE1B133H	GE1B132H	GE1B132H
Transmission type	--	automatic transmission	automatic transmission	automatic transmission	automatic transmission
Gear ratios 1st gear	--	9.665	9.665	9.665	9.665
Translations 1st gear	--	9.665	9.665	9.665	9.665
Chassis and Suspension					
Power-steering	--	EPS	EPS	EPS	EPS
Steering transmission, overall	:1	14	14	14	14
Recuperation power	kW	up to 50	up to 50	up to 50	up to 50
Front tires	--	155/70 R19 84 Q	155/70 R19 84 Q	175/55 R20 89 T XL	175/55 R20 89 T XL
Front rims	--	5J x 19 LM	5J x 19 LM	5.5J x 20 LM	5.5J x 20 LM
Rear tires	--	155/70 R19 84 Q	175/60 R19 86 Q	195/50 R20 93 T XL	195/50 R20 93 T XL
Rear rims	--	5J x 19 LM	5.5 J x 19 LM	6J x 20 LM	6J x 20 LM
Track front	inch	61.9	61.9	62.7	62.7
Rear track	inch	62	61.3	62.4	62.4
Performance					
Top speed	mph	93	93	99	99
0-60 mph	s	7.2	8	6.8	7.6
A	m ²	2.38	2.38	2.41	2.41
Cx	--	0.29	0.3	0.32	0.33
Air resistance	m ²	0.69	0.71	0.77	0.8
Electrical Range US	miles	tbc	tbc	tbc	tbc
Fuel econ. city (official EPA)	MPGe	-	tbc	-	tbc
Fuel econ. highway (official EPA)	MPGe	-	tbc	-	tbc
Fuel econ. combined (official EPA)	MPGe	-	tbc	-	tbc

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Energy cons. combined (official EPA)	kWh/100miles	tbc	tbc	tbc	tbc
High-voltage Battery					
Battery Capacity (low voltage)	Ah	20	20	20	20
System voltage (low voltage)	V	12	12	12	12
Battery Capacity (high voltage)	Ah	94	94	94	94
System voltage (high voltage)	V	353	353	353	353
Battery type high voltage	--	Li-Ion	Li-Ion	Li-Ion	Li-Ion
Gross battery content high voltage	kWh	33.2	33.2	33.2	33.2
Net battery content high voltage	kWh	27.2	27.2	27.2	27.2
Battery Position high voltage	--	subsurface	subsurface	subsurface	subsurface
Charging Level 1	--	AC Typ 1; 1.4 kW	AC Typ 1; 1.4 kW	AC Typ 1; 1.4 kW	AC Typ 1; 1.4 kW
Charging Level 2	--	AC Typ 1; 7,4 kW	AC Typ 1; 7,4 kW	AC Typ 1; 7,4 kW	AC Typ 1; 7,4 kW
DC Charging	--	Combo 1: 50 kW	Combo 1: 50 kW	Combo 1: 50 kW	Combo 1: 50 kW
max Charging current on Level 1	A	12	12	12	12
max Charging current on Level 2	A	32	32	32	32
max Charging current on DC Charging	A	125	125	125	125
Charging time Level 2 (0-100% SoC)	h	4.5	4.5	4.5	4.5
Charging time DC Charging @50 kW (0-80% SoC)	h	0.7	0.7	0.7	0.7