

BMW

U.S. Media Information

Technical Data

2018 BMW i3

		i3 (60 Ah)	i3 (94 Ah)	i3 (94 Ah) (Range Extender)
Transmission type		automatic	automatic	automatic
Body				
Seats	--	4	4	4
Number of Doors	--	4	4	4
drive type	--	RWD	RWD	RWD
Veh. length	inch	157.8	157.8	157.8
Veh. width	inch	69.9	69.9	69.9
Width incl mirrors	inch	80.3	80.3	80.3
Veh. height	inch	62.1	62.1	62.1
Wheelbase	inch	101.2	101.2	101.2
Overhang front	inch	28.2	28.2	28.2
Rear overhang	inch	28.4	28.4	28.4
Ground clearance	inch	5.5	5.5	5.5
Turning circle	ft	32.4	32.4	32.4
Legroom front	inch	40.5	40.5	40.5
Legroom 2nd row	inch	31.9	31.9	31.9
Shoulder room front	inch	53.6	53.6	53.6
Shoulder room rear	inch	49.2	49.2	49.2
Headroom front	inch	39.6	39.6	39.6
Maximum headroom 2nd row	inch	37.2	37.2	37.2
Front Seat Volume	ft³	49.8	49.8	49.8
Rear Seat Volume	ft³	33.8	33.8	33.8
Press Trunk volume (SAE)	ft³	15.1 - 36.9	15.1 - 36.9	15.1 - 36.9
US Tank capacity - series	gal	0	0	2.3
rear Weight distribution (empty car)	%	51.5	51.4	54.9
US Curb weight	lbs	2886	2961	3234
Engine				
Engine type	--	-	-	W20K06U0
Cylinders	--	-	-	2
Valves p.cyl.	--	-	-	4
Stroke	mm	-	-	66
Bore	mm	-	-	79
Displacement	cm³	-	-	647
Compression rate	:1	-	-	10.6
Engine power	hp@rpm	-	-	38@5000
Engine torque	lb-ft@rpm	-	-	41@4500
Fuel type	--	-	-	gasoline
Useable Fuel quality	--	-	-	ROZ87-98
recomm.	--	-	-	ROZ95
Engine oil (filling quantity)	liter	-	-	2.7
Electrical Machine				
Motor function (1. E-engine)	--	electrical tractionmaschine	electrical tractionmaschine	electrical tractionmaschine
Engine (1. E-engine)	--	IB1P23M0	IB1P23M0	IB1P23M0
Engine Config (1. E-engine)	--	synchronous	synchronous	synchronous
Peak power acc. to ECE R 85 (1. E-engine)	hp	170	170	170
Max. torque (1. E-engine)	lb-ft	184	184	184
highest output 30 min (1. E-engine)	kW	75	75	75
range at 30min peak power (1. E-engine)	1/min	4800	4800	4800
maximum hourly output (1. E-engine)	kW	75	75	75
torque (1. E-engine)	Nm	250	250	250
Motor function (2. E-engine)	--	-	-	Starter Generator
Engine Config (2. E-engine)	--	-	-	synchronous
Engine power (2. E-engine)	kW	-	-	25
torque (2. E-engine)	Nm	-	-	55
Transmission				
Transmission designation	--	GE1B132H	GE1B132H	GE1B133H

		i3 (60 Ah)	i3 (94 Ah)	i3 (94 Ah) (Range Extender)
Transmission type	--	automatic transmission	automatic transmission	automatic transmission
Gear ratios 1st gear	--	9.665	9.665	9.665
Translations 1st gear	--	9.665	9.665	9.665
Chassis and Suspension				
Power-steering	--	EPS	EPS	EPS
Steering transmission, overall	:1	14.2	14	14
Recuperation power	kW	up to 50	up to 50	up to 50
Front tires	--	155/70 R19 84 Q	155/70 R19 84 Q	155/70 R19 84 Q
Front rims	--	5J x 19	5J x 19	5Jx19
Rear tires	--	155/70 R19 84 Q	155/70 R19 84 Q	175/70 R19 84 Q
Rear rims	--	5J x 19	5J x 19	5,5Jx19
Track front	inch	61.9	61.9	61.9
Rear track	inch	62	62	61.3
Performance				
Top speed	mph	93	93	93
0-60 mph	s	7.0	7.2	8.0
A	m ²	2.38	2.38	2.38
Cx	--	0.29	0.29	0.3
Air resistance	m ²	0.69	0.69	tbc
Electrical Range US	miles	81	114	tbc
Fuel econ. city (official EPA)	mpge	137	129	-
Fuel econ. highway (official EPA)	mpge	111	106	-
Fuel econ. combined (official EPA)	mpge	124	118	111
Energy cons. combined (official EPA)	kWh/100miles	27	29	30
High-voltage Battery				
Battery Capacity (low voltage)	Ah	20	20	20
System voltage (low voltage)	V	12	12	12
Battery Capacity (high voltage)	Ah	60	94	94
System voltage (high voltage)	V	360	353	353
Battery type high voltage	--	Li-Ion	Li-Ion	Li-Ion
Gross battery content high voltage	kWh	21.6	33.2	33.2
Net battery content high voltage	kWh	18.8	27.2	27.2
Battery Position high voltage	--	subsurface	subsurface	subsurface
Charging Level 1	--	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
DC Charging	--	Combo 1: 50 kW	Combo 1: 50 kW	Combo 1: 50 kW
max Charging current on Level 1	A	12	12	12
max Charging current on Level 2	A	32	32	32
max Charging current on DC Charging	A	125	125	125
Charging time Level 2 (0-100% SoC)	h	3.5	4.5	4.5
Charging time DC Charging @50 kW (0-80% SoC)	h	0.4	0.7	0.7