

BMW

U.S. Media Information

Technical Data

2017 BMW i8

		i8
Transmission type		automatic
Body		
Seats	--	4
Number of Doors	--	2
drive type	--	AWD
Veh. length	inch	184.9
Veh. width	inch	76.5
Width incl mirrors	inch	87.3
Veh. height	inch	50.8
Wheelbase	inch	110.2
Overhang front	inch	37.8
Rear overhang	inch	36.9
Ground clearance	inch	4.6
Turning circle	ft	40.4
Legroom front	inch	43.1
Legroom 2nd row	inch	28.2
Shoulder room front	inch	56.7
Shoulder room rear	inch	49.6
Headroom front	inch	38.7
Maximum headroom 2nd row	inch	32.4
Front Seat Volume	ft ³	54.7
Rear Seat Volume	ft ³	26.3
Press Trunk volume (SAE)	ft ³	4.7
US Tank capacity - series	gal	11.1
rear Weight distribution (empty car)	%	51.2
US Curb weight	lbs	3455
Engine		
Hybrid Type	--	Parallel
Engine type	--	B38K15T0
Cylinders	--	3
Valves p.cyl.	--	4
Stroke	mm	94.6
Bore	mm	82
Displacement	cm ³	1499
Compression rate	:1	9.5
Engine power	hp@rpm	228@5800
Engine torque	lb-ft@rpm	236@3700
Fuel type	--	gasoline
Useable Fuel quality	--	AKI 91 MIN
recomm.	--	AKI 93
Engine oil (filling quantity)	liter	5
Electrical Machine		
Motor function (1. E-engine)	--	front axle drive
Engine (1. E-engine)	--	IB1P25B
Engine Config (1. E-engine)	--	synchronous
Peak power acc. to ECE R 85 (1. E-engine)	hp	129
torque (1. E-engine)	lb-ft	184
Motor function (2. E-engine)	--	Starting-generator with additional boost
Engine Config (2. E-engine)	--	synchronous
Engine power(2. E-engine)	hp	11
at Range	1/min	6000
torque (2. E-engine)	lb-ft	37
Engine power (cumul.)	hp	357
Electrification level	--	PHEV

i8

Transmission type

automatic

Transmission

Transmission designation	--	AISIN F21-360 FT EOP
Transmission type	--	automatic transmission
Gear ratios		
1st gear	--	4.459
2nd	--	2.508
3rd	--	1.556
4th	--	1.142
5th	--	0.851
6th	--	0.672
Reverse gear	--	3.185
Final drive ratio	--	3.681
Transmission Identification	--	GE2112GK
Translations 1st gear	--	11.3
2nd gear	--	5.85

Chassis and Suspension

Power-steering	--	EPS
Steering transmission, overall	:1	16
Recuperation power	kW	60
Front tires	--	215/45 R20
Front rims	--	20 X 7.5
Rear tires	--	245/40 R20
Rear rims	--	20 X 8.5
Track front	inch	64.7
Rear track	inch	67.8

Performance

Top speed	mph	155
Top speed (electrical)	mph	75
0-60 mph	s	4.2
A	m ²	2.15
Cx	--	0.26
Electrical Range US	miles	tbc
Fuel econ. city (official EPA)	mpge	tbc
Fuel econ. highway (official EPA)	mpge	tbc
Fuel econ. combined (official EPA)	mpge	tbc
Energy cons. combined (official EPA)	kWh/100miles	tbc
US total range (official EPA)	miles	tbc
Emission classification (type-certified)	--	ULEV II

High-voltage Battery

Battery Capacity (high voltage) per cell	Ah	20
System voltage (high voltage) - Nominal	V	355
Battery type high voltage	--	Li-Ion
Gross battery content high voltage	kWh	7.1
Net battery content high voltage	kWh	5.2
Battery Position high voltage	--	central tunnel
charging level 1 (up to 120V) - max	--	AC J1772; 1.4kW
charging current 1 - max	A	12
charging time 1 (0-100% SoC)	h	5
charging level 2 (up to 240V) - max	--	AC J1772; 3.5kW
charging current 2 - max	A	16
charging time 1 (0-100% SoC)	h	2.5