

2014 BMW i3 Technical Data

Model		i3 Battery Electric Vehicle	i3 with Range Extender
Engineering designation		I01	I01
Number of doors/seats		5/4	5/4
Vehicle length	mm/inch	4008/157.8	4008/157.8
Vehicle width	mm/inch	1775/69.9	1775/69.9
Vehicle height	mm/inch	1578/62.1	1578/62.1
Wheelbase	mm/inch	2570/101.2	2570/101.2
Turning circle	m/ft	9.86/32.4	9.86/32.4
Ground clearance	mm/inch	140/5.5	140/5.5
Shoulder width front	mm/inch	1361/53.6	1361/53.6
Shoulder width rear	mm/inch	1250/49.2	1250/49.2
Legroom front	mm/inch	1029/40.5	1029/40.5
Legroom rear	mm/inch	810/31.9	810/31.9
Max. headroom front	mm/inch	1007/39.6	1007/39.6
Max. headroom rear	mm/inch	946/37.2	946/37.2
Interior passenger volume	ft ³	83.5	83.5
Luggage comp. capacity (official SAE)	liters/ft ³	260/15.1	260/15.1
Fuel tank capacity	liter/gal	Not applicable	7/1.9
Curb weight	kg/lbs	1297/2860	1420/3130
Weight distribution, front/rear (empty car)	%	48.4/51.6	44.9/55.1
Motor/Engine type		Electrical traction machine; 3-phase synchronous; nominal voltage 360V, nominal current 400A	Gasoline-powered internal combustion serving as a current maintainer for the HV battery
Designation		IB1P25B	W20K06UO
Engine type/cylinders/ # valves per cylinder		Not applicable	2-cyl. in-line, DOHC, 4 valves/cyl; aluminum crankcase and cylinder head
Fuel management		EDME	RDME
Charging Type/charging Technique		Not applicable	Naturally aspirated; air intake along the right rear body section
Injection type/injection technique		Not applicable	Return-free fuel system
Displacement	cm ³ /inch ³	Not applicable	647/39
Bore	mm/inch	Not applicable	79/3.1
Stroke	mm/inch	Not applicable	66/2.6
Maximum speed	rpm	approx. 11,400	approx. 5,000

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Engine power/at rpm	bHP/rpm	168/4800	38/5000
Engine torque/at rpm	lb.ft (Nm)/rpm	184	41/4500
Compression ratio	:1/	Not applicable	10.6
Emissions classification		ZEV (zero emissions vehicle)	SULEV (PZEV) (super ultra low emissions vehicle (partial zero emissions vehicle))
Transmission type		Single speed, 9.7:1 speed reduction	Single speed, 9.7:1 speed reduction
Transmission designation		GE1B130H	GE1B131H (contains an extra mounting arm)
Steering type/Steering assist, overall ratio	:1	rack-and-pinion (EPS)/14.2	rack-and-pinion (EPS)/14.2
Front brake type, diameter	mm/in.	Vented disc	Vented disc
Rear brake type, diameter	mm/in.	Non-vented disc	Non-vented disc
Aerodynamic drag coefficient		0.29	0.30
Frontal area	ft ²	25.62	25.62
Total aerodynamic drag (Cd x frontal area)	ft ²	7.43	7.69
Top speed	kph/mph	150/93	150/93
Acceleration 0-60 mph	sec.	7.0	7.8
EPA fuel consumption city	Miles per gallon equivalent	138 MPGe	To be provided
EPA fuel cons. highway	"	111 MPGe	To be provided
EPA fuel cons. combined	"	124 MPGe	To be provided
Wheel size, front/rear (light alloy)	in.	5Jx19	5Jx19, 5.5Jx19
Front and rear tires, standard equipment		155/70 R19 low rolling resistance all-season; non run-flat	155/70 R19, 175/70 R19; low rolling resistance all-season; non run-flat
Track front	mm/inch	1571/61.9	1571/61.9
Track rear	mm/inch	1576/62	1556/61.3