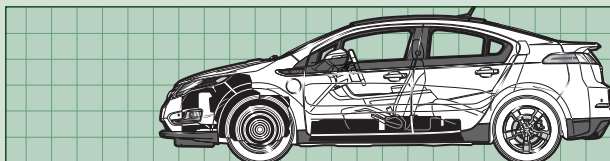


Chevrolet Volt

Chevrolet Motor Division, 30007 Van Dyke Rd., Warren, Mich. 48090;
www.chevrolet.com



SCALE: 10 IN. (254MM) DIVISIONS • DRAWINGS BY TIM BARKER

Chevrolet Volt

Nissan Leaf SL-E

GENERAL DATA

List price	\$41,000	\$33,720
Price as tested	\$43,485/\$35,985*	\$35,430/\$27,930*
	Price as tested incl Premium Trim interior (\$1395), polished alum. wheels (\$595), red metallic exterior (\$495).	Price as tested incl Eco Design Pkg (\$260), Protection Pkg (\$225), misc options (\$405), dest charge (\$820).
	*Includes \$7500 federal tax credit. Other state & local incentives may apply.	
Curb weight	3825 lb	3415 lb
Test weight	4005 lb	3595 lb
Weight dist (w/ driver), f/r, %	61/39	56/44
Wheelbase	105.7 in.	106.3 in.
Track, f/r	61.2 in./62.1 in.	60.6 in./60.4 in.
Length	177.1 in.	175.0 in.
Width	70.4 in.	69.7 in.
Height	56.3 in.	61.0 in.

PROPULSION

Configuration	gasoline/electric hybrid	battery electric
Engine	dohc 4-valve/cyl I-4	na
Displacement	1398 cc	na
Horsepower (SAE)	84 bhp @ 4800 rpm	na
Fuel injection	elect. sequential port	na
Rec fuel	premium required	na
Motor		
Type	drive + generator pair	single synchronous
Cooling	liquid	air
Power electronics	liquid cooled	air cooled
Horsepower	149 hp/111 kW	107 hp/80 kW
Torque	273 lb-ft	207 lb-ft

BATTERY

Type	prismatic lithium-ion	laminated lithium-ion
Location	under seats and floor	under seats and floor
Cooling	liquid	air
No. of cells	288	192
Weight	435 lb	600 lb
Energy capacity	16 kWh	24 kWh
Charge mode	Level I, II	Level I, II (III optional)
Recharge time,		
@ Level I (110 V)	10-12 hours	20 hours
@ Level II (220 V)	4 hours	8 hours

CHASSIS & BODY

Layout	front engine & motor/front drive	front motor/front drive
Brakes, front	11.8-in. vented discs/1-piston	11.1-in. vented discs/1-piston
rear	11.5-in. vented discs/1-piston	11.5-in. vented discs/1-piston
Wheels	cast alloy; 17 x 7	cast alloy; 16 x 7 1/2
Tires	Goodyear Assurance; 215/55R-17 93H	Bridgestone Ecopia EP422; 205/55R-16 89H
Steering	rack & pinion, elect. assist	rack & pinion, elect. assist
Turns lock to lock	2.7	3.3
Suspension, f/r	MacPherson struts, lower control arms, coil springs, tube shocks, anti-roll bar/torsion beam, coil springs, tube shocks	MacPherson struts, lower control arms, coil springs, tube shocks, anti-roll bar/torsion beam, coil springs, tube shocks, anti-roll bar

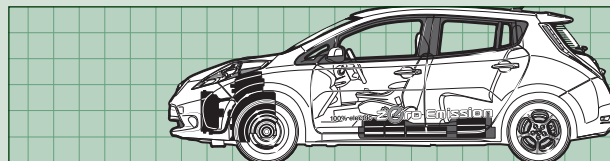
ACCOMMODATIONS

Seating capacity	4	5
Head room, f/r	36.5 in./36.0 in.	40.5 in./36.0 in.
Front-seat leg room	44.3 in.	43.0 in.
Rear-seat knee room	24.0 in.	25.5 in.
Trunk space	10.6 cu ft	14.5 cu ft

Nissan

Leaf SL-E

Nissan North America, One Nissan Way, Franklin, Tenn. 37067;
www.nissanusa.com



© HACHETTE FILIPACCHI MEDIA U.S., INC./ROAD & TRACK

Chevrolet Volt

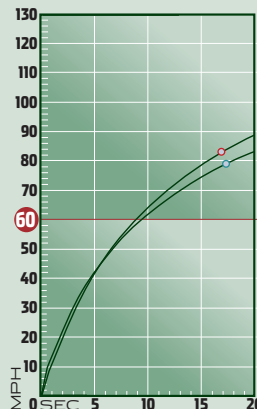
Nissan Leaf SL-E

ACCELERATION

Time to distance, seconds

0-1320 ft (1/4 mile) 16.8 @ 82.8 mph 17.2 @ 79.0 mph

	Volt	Leaf
Time to speed		
0-120 mph	na	na
0-110 mph	na	na
0-100 mph	28.1	na
0-90 mph	20.6	24.7
0-80 mph	15.6	17.8
0-70 mph	11.7	13.1
0-60 mph	8.8	9.4
0-50 mph	6.4	6.7
0-40 mph	4.6	4.6
0-30 mph	3.1	3.0
0-20 mph	1.9	1.8
0-10 mph	0.8	0.7



BRAKING

Minimum stopping distance

From 60 mph	127 ft	130 ft
From 80 mph	231 ft	231 ft

HANDLING

Lateral accel *	0.79g	0.81g
Balance	moderate understeer	mild understeer
Slalom speed**	62.6 mph	65.5 mph
Balance	moderate understeer	mild understeer

* 200-ft skidpad; ** 700-ft slalom, 100-ft spacing.

DRIVETRAIN

Transmission	CVT	single-speed
---------------------	-----	--------------

ECONOMY

Our driving	est 50 mpge*	est 118 mpge*
Our EV range	est 35 miles	87 miles
EPA EV range**	35 miles	73 miles
EPA total range**	379 miles	73 miles
EPA fuel economy	93 mpg/37 mpg/60 mpg (EV/gasoline only/combined)	106/92/99 mpg (city/highway/combined)
Fuel capacity	9.3 gal.	na

* EPA mpg equivalent: 33.7 kWh = 1 gal. of gasoline energy. ** EPA range on combined test cycle.

INTERIOR NOISE

Maximum	67 dBA	68 dBA
Constant 50 mph	64 dBA	67 dBA
Constant 70 mph	66 dBA	68 dBA

TEST CONDITIONS

Temperature	73° F	Elevation	350 ft	Location	Irvine, California
Humidity	35%	Wind	calm		



The Official Fuel Partner
of Road & Track