

2008 LEXUS LS Hybrid Specifications

ENGINE

Engine Type	5.0-liter hybrid V8, certified Super Ultra-Low Emission Vehicle (SULEV)
Displacement (L/cu in)	5.0 liters (303 cubic inches)
Valvetrain	Four cam, four valves per cylinder, with dual Variable Valve Timing with intelligence and Electronically controlled intake (VVT-iE)
Compression Ratio	11.8:1
Electric-Drive Motor	High-output, permanent-magnet, electric-drive motor with EV mode
Horsepower	438 total system horsepower ¹

DRIVETRAIN

Transmission	Electronically controlled Continuously Variable Transmission (ECVT) with two-speed reduction and Snow mode
Drive Wheels	All-wheel drive (AWD) with TORSEN [®] Limited-Slip Center Differential (LSCD) ²⁶ and Vehicle Dynamics Integrated Management (VDIM) ²¹
Final Drive Ratio	3.916:1

PERFORMANCE

0 - 60 MPH Acceleration (sec)	5.5 ¹⁸
Top Track Speed (mph)	130 (electronically limited) ¹⁸
EPA Fuel Economy Estimates	20/22 mpg ²⁷ (city/highway)
Aerodynamic Drag Coefficient	0.27
Turning Circle (ft)	39.4

BODY, DIMENSIONS

Type	Five-passenger hybrid luxury sedan ²⁸
Construction	Welded-steel unibody
Overall Length	202.8 in (5,150 mm)
Width	73.8 in (1,875 mm)
Height	58.3 in (1,480 mm) (with Adaptive Variable Air Suspension (AVS))
Wheelbase	121.7 in (3,090 mm)
Curb Weight	5,049 lb (2,290 kg)
Fuel-Tank Capacity	22.2 gallons (84 L)
Trunk Capacity	11.65 cubic feet (330 L)
Headroom	38.0/38.0 in (965/965 mm) (front/rear)
Shoulder Room	58.5/56.4 in (1,487/1,432 mm) (front/rear) 56.7 in (1,440 mm) (rear) (with available Executive-Class Seating Package II*)
Hip Room	55.4/55.5 in (1,407/1,409 mm) (front/rear)



73.8 in



121.7 in
202.8 in
5.3 in
58.3 in



19-inch seven-spoke alloy wheels^{5,6}



18-inch nine-spoke alloy wheels^{3,5,6} (Executive-Class Seating Package II*)



18-inch seven-spoke Teleios alloy wheels^{3,5,6} (Executive-Class Seating Package II*)

^{1, 3, 5, 6, 8, 21, 26, 27, 28} See page 16 for more information. *Please see page 16 for more information regarding options/packages.