



Note: Items in **bold** are new for 2010.

EXTERIOR DIMENSIONS	
Wheelbase	121.7 in.
Overall Length	203.9 in.
Overall Width	73.8 in.
Overall Height	58.3 in.
Tread Width - Base: Front/Rear	63.4/63.4
Ground Clearance	5.3 in.

INTERIOR DIMENSIONS	
Seating Capacity	5
- Maximum w/ Executive Class Seating Pkg. II	4
Headroom	
- Front: (with moonroof standard)	38.0 in.
- Rear (with moonroof standard)	38.0 in.
Shoulder Room	
- Front:	58.5 in.
- Rear:	56.4 in.
with Executive Class Seating Pkg. II	56.7 in.
Hip Room - Front	55.4 in.
- Rear	55.5 in.
Couple Distance (distance between front and rear seatbacks)	39.4 in.
EPA Cargo Volume	10.1 cu. ft.

WEIGHTS AND CAPACITIES	
Curb Weight	5,360 lbs.
GVWR	
- Five passengers	6,185 lbs.
- Four passengers	6,040 lbs.
Weight Distribution – Percent Front/Rear	52/48
Fuel Capacity	22.2 gal.



Note: Items in **bold** are new for 2010.

HYBRID POWER SYSTEM

Type, Materials	Hybrid system with gas engine and two motor/generators
Total system power	438 hp

ENGINE

Type, Materials	V8, aluminum block and cylinder heads
Designation	2UR-FSE
Valvetrain	32 valve w/ Dual Variable Valve Timing w/ intelligence and Electronically controlled intake (VVT-iE)
Displacement	5.0 liter
Bore x Stroke	3.70 in. x 3.52 in. (94.0 mm x 89.5 mm)
Compression Ratio	11.8:1
Horsepower	389 @ 6,400 rpm
Torque	385 lb.-ft. @ 4,000 rpm
Fuel System	D-4S System (direct- and port-injected system) Electronic Throttle Control System with intelligence (ETCS-i)
Recommended fuel	Premium 91 octane unleaded
Tailpipe Emission Certification (manf. Est.)	SULEV II

ELECTRIC MOTORS

Motor Generator 1 (MG1)	- Function	Primary generator, engine starter
	- Type	Permanent magnet motor
	- Cooling system	Water-cooled
Motor Generator 2 (MG2)	- Function	Drives wheels; regenerative braking
	- Type	Permanent magnet motor
	- Max. voltage	650 V (DC)
	- Max. output	221 hp (165 kW)
	- Cooling system	Water-cooled

HYBRID BATTERY PACK

Type	Sealed Nickel Metal Hydride (Ni-MH)
Cell Quantity	240 cells (12 cells x 20 modules)
Cell Type	Nickel-plated metal container
Nominal Voltage	288V (can be boosted to 650 volts with power circuit)
Power Output	49 hp



Note: Items in **bold** are new for 2010.

DRIVETRAIN	
Layout	Full-time all-wheel-drive
Transmission Type	Electronically-controlled Continuously Variable Transmission (ECVT) with two-stage planetary gear reduction, and normal, power and snow modes
Designation	L110F
Differential Ratio	3.916

CHASSIS AND BODY	
Body/Frame	Steel Uni-body Frame Structure
Suspension	- Front Multi-link, double-joint, Air Suspension (AVS) - Rear Multi-link, double-joint, Air Suspension (AVS)
Steering	- Type Rack and Pinion with Electric Power Steering (EPS), Variable Gear Ratio Steering (VGRS) and Vehicle Dynamics Integrated Management (VDIM) - Overall Ratio 11.7 – 18.5 (with Active Power Stabilizer) 11.6 – 17.6 (without Active Power Stabilizer) - Turns (lock to lock) 2.3-3.7 (with 19-in. wheels) - Turning Circle (curb to curb) 39.4 ft. (with 19-in. wheels)
Brakes	- Type Antilock Braking System (ABS); Electronically Controlled Brakes (ECB); Electronic Brake Force Distribution (EBD), Brake Assist (BA), VSC, TRAC (all systems integrated VDIM System) - Front Four-piston calipers, ventilated discs, power assisted - Rear Two-piston calipers, ventilated discs, power assisted
Anti-lock Braking System	Four channel, four sensor



Note: Items in **bold** are new for 2010.

CHASSIS AND BODY CONT.

Wheel Size/Type	19 x 8.0 J aluminum alloy wheels with high-gloss painted finish
- Optional	18 x 7.5 J aluminum alloy wheels (Executive Class Seating Package II only)
Tire Size/Type	245/45R19 all season
- Optional	235/50R18 all season (Executive Class Seat Pkg. II)
Matching Full-size Spare	245/45R19 with alloy wheel

PERFORMANCE

0-60 mph acceleration (manuf. results)	5.5 seconds
Top Track Speed (electronically limited)	130 mph
EPA-Estimated Fuel Economy (City/Hwy MPG)*	20/22
Recommended fuel	Premium unleaded
Coefficient of Drag (C _d)	0.27

* 2010 EPA MPG estimate. Actual mileage will vary.

Note: Items in **bold** are new for 2010.

STANDARD EXTERIOR FEATURES

Overall Exterior Styling/Body Design

- 19-inch split seven-spoke alloy wheels; shade depths shift with vehicle movement
- Arrowhead-shaped parking lamps and wrap-around L-shaped taillights **with blue tint**
- Hybrid-specific characteristics using blue accents in front headlamps, front and rear “L” badges, “HYBRID” side badging, taillamps, “600h” in rear “LS 600h L” badge, engine cover
- Integrated dual-chrome exhaust tips
- L-finesse design cues
- Long, sleek cabin look; strong stance that hugs the ground; front and rear views that emphasize the elegant cabin silhouette; strong hood and commanding fenders
- Lower body side chrome molding
- One-piece chrome molding for side window surrounds
- **Side mirrors with integrated turn signals**
- Thin profile-integrated LED high-mount stop lamp
- **Unique front bumper and grille**
- World’s first low beam 3+1 projector LED low beam headlights

Body Structure and Paint

- Acoustic glass windshield
- Aluminum crush boxes reduces damage from light impact and improves serviceability
- Body hand-sanded twice during the application of alternating layers of paint and coatings on critical areas
- Elimination of lead additive in paints, coatings and ceramic components
- Exterior colors (9) with 3-4 coat multi-bake process: Black Opal Mica, Smoky Granite Mica, Mercury Metallic, Starfire Pearl, Obsidian, Truffle Mica, **Blue Harbor Metallic**, **Peridot Mica**, **Satin Cashmere Mica**
- High-strength steel alloy and ultra-high strength sheet metal used in body structure
- Laminated side window glass
- Narrow and precise body panel gaps
- Thinsulate insulation for more effective sound absorption

Convenience Features

- Headlamp washers
- Heated electrochromic outside rearview mirrors with puddle lamps (mounted on the underside of mirror housing), and power folding function
- Intuitive Park Assist (IPA) **with Advanced Parking Guidance**
- One-touch open/close power trunk lid with jam protection
- Power door closers
- SmartAccess key fobs with Smart Card

Notes: Items in **bold** are new for 2010

STANDARD INTERIOR FEATURES

Interior Trim

- Alcantara® headliner
- Carpeted floor mats
- Grain-matched wood trim for center console and door panels
- Heated steering wheel
- Interior leather/wood trim colors: **Parchment**/Medium Brown Walnut, Alabaster/Dark Brown Ash Burl, Light Gray/Dark Gray Bird's-eye Maple, Black/Medium Brown Walnut
- L-finesse interior design theme
- Leather-trimmed instrument panel, door panels and armrests
- Semi-aniline leather trimmed seating
- Wood and leather-trimmed steering wheel
- Wood-trimmed and chrome-plated shift knob
- Wood-trimmed assist grips

Seats

- L-finesse inspired design theme
- 16-way power driver seat **with auto slide-away** and 12-way power front passenger seat
- Climate-controlled front seats and heated rear seats
- Power seatbelt shoulder height adjusters for front passengers
- Three-position memory system for driver and front passenger seats

Instrumentation and Controls

- Cruise control
- Electrochromic inside mirror
- Electroluminescent Thin Film Transistor (TFT) gauges including speedometer, coolant temperature, tachometer, fuel, and energy monitor.
- Gated shifter with sequential sport-shift mode
- HomeLink® programmable garage door opener
- Power tilt/telescoping steering wheel with audio, brake hold function and multi-information display controls
- SmartAccess with push-button start/stop

Notes: Items in **bold** are new for 2010

STANDARD INTERIOR FEATURES - CONT.

Comfort/Convenience Features

- Hard Disc Drive (HDD) Navigation System
 - Bluetooth® hands free phone and **phonebook download capabilities**
 - **Lexus Enform™ with SafetyConnect™: Automatic Collision Notification, Stolen Vehicle Location, Emergency Assist Button (SOS), Enhanced Roadside Assistance, Destination Assist, and eDestination (complimentary one-year trial subscription)**
 - **Lexus Insider™**
 - Rear back-up camera
 - **Voice command casual-language voice recognition system**
 - **XM NavTraffic®/NavWeather™ (complimentary 90-day trial subscription)**
 - **XM® Sports and Stocks (included with XM® radio subscription)**
- Charcoal-activated clean air dust and pollen filter
- Dual-zone front climate control with smog sensor and automatic recirculation control
- First aid kit
- Heated steering wheel
- Individual vanity mirrors in rear seat area
- LED interior lighting with spot-lamp illumination in front and rear
- Power tilt-and-slide moonroof with one-touch closure
- Power rear sunshade
- Rear B-pillar vents

STANDARD AUDIO SYSTEM

Mark Levinson® Reference Surround Sound

- 19 speakers (7.1 channel speaker architecture)
- 450 watts, all channels driven (15 discrete channels), 20-20kHz @ less than 0.1 percent Total Harmonic Distortion (THD)
- AM/FM/in-dash six-disc DVD changer with MP3/WMA compatibility
- Automatic Sound Levelizer (ASL)
- Digital Sound Processor (DSP)
- Integrated satellite radio receiver (complimentary 90-day trial subscription)
- Aux/MP3 and **USB/iPod® audio input plugs**

Note: Items in **bold** are new for 2010.

STANDARD SAFETY AND SECURITY

Safety

- Adaptive Front lighting System (AFS)
- Dual stage driver and front passenger airbags
- Front passenger twin-chamber airbag
- Front passenger Occupant Classification System
- Front seat-mounted side airbags for driver and front passenger
- Knee airbags for driver and front passenger
- Force limiters and seatbelt pretensioners
- Side curtain airbags
- Three-point seatbelts and headrests for all three rear seating positions

Security

- Entry system with lock, two-stage unlock, trunk open and “panic” features, volume-adjustable confirmation tone and rolling code technology
- Headlight off delay feature: after locking vehicle, headlights remain illuminated for a certain period of time before automatically shutting off
- Multi-function SmartAccess remote with engine immobilizer and remote window “down” feature
- Remote-activated/key-linked illuminated entry: dome light and ignition key cylinder ring illuminate when doors are unlocked (remain illuminated for 15 seconds or until door is opened)
- **Safety Connect™ with Automatic Collision Notification, Stolen Vehicle Location, Emergency Assist Button, and Enhanced Roadside Assistance (complimentary one-year trial subscription included)**
- Vehicle theft-deterrent system

STANDARD MECHANICAL FEATURES

- Acoustic Control Induction System (ACIS)
- Advanced Parking Guidance System (APGS)
- Air Suspension with three settings
- All-Wheel-Drive with Torsen® Limited Slip Center Differential
- Aluminum block and cylinder heads with aluminum-magnesium alloy cylinder head covers
- Cold Weather Package includes deicer, heavy-duty battery, heavy-duty heater
- Direct Ignition System (DIS)
- Dual Variable Valve Timing with intelligence (VVT-iE) with electrically controlled intake
- Electronic Parking Brake and brake hold function
- High-grade plastic water jackets to improve cylinder cooling and performance
- Increased use of aluminum in suspension components
- Liquid-filled engine mounts to reduce noise and vibration
- Two-stage Electronically-controlled Continuously Variable Transmission (ECVT) with eight-speed sequential shift
- Variable Gear Ratio Steering (VGRS)
- Vehicle Dynamics Integrated Management (VDIM) system: includes Electronically Controlled Brake (ECB) system, Electronic Power Steering (EPS), Vehicle Stability Control (VSC), Traction Control (TRAC), Antilock Braking System (ABS), and Electronic Brake-force Distribution (EBD)

Note: Items in **bold** are new for 2010.

FACTORY OPTIONS

- Advanced Pre-Collision System with Driver Monitor System, Lane Keep Assist and Dynamic Radar Cruise Control
- Premium Package II
 - 4-zone climate control with air purifier
 - Additional air ducts
 - Additional wood trim
 - Rear audio control panel
 - Rear heated/cooled seats
 - Rear Seat Entertainment System with power nine-inch screen and wireless headphones
 - Rear seat-mounted side airbags

Executive-Class Seating Package II

- 4-zone climate control with air purifier and rear infrared temperature sensor
- 18-inch **10-spoke wheels with new design**
- Additional Wood Trim
- Climate-comfort rear heated/cooled seats
- Rear passenger's side power recliner with multifunction massager and leg rest
- Rear seat wood-trimmed table
- Rear Seat Entertainment System with rear DVD player, power nine-inch screen and wireless headphones
- Rear seat audio controls
- Rear seat-mounted side airbags