



<b>EXTERIOR DIMENSIONS</b>	
Wheelbase	121.7 in.
Overall Length	202.8 in.
Overall Width	73.8 in.
Overall Height	58.3 in.
Tread Width - Base: Front/Rear	19-inch tires: 63.4/63.4
Ground Clearance	5.3 in.

<b>INTERIOR DIMENSIONS</b>	
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.
-w/ 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)	45.5 in.
EPA Cargo Volume	11.7 cu. ft.
- with rear A/C	11.7 cu. ft.

<b>WEIGHTS AND CAPACITIES</b>	
Curb Weight	5,049 lbs.
GVWR	
- Five passengers	6,075 lbs.
- Four passengers	6,010 lbs.
Weight Distribution – Percent Front/Rear	52/48
Fuel Capacity	22.2 gallons



<b>HYBRID POWER SYSTEM</b>		
Type, Materials		Hybrid system with gas engine and two motor/generators
Total system power		438 hp
<b>ENGINE</b>		
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)
Fuel Requirement		Premium 91 octane unleaded
Tailpipe Emission Certification (mfr. Estimate)		SULEV
<b>ELECTRIC MOTORS</b>		
Motor Generator 1 (MG1)	- Function - Type - Cooling system	Primary generator, engine starter Permanent magnet motor Water-cooled
Motor Generator 2 (MG2)	- Function - Type - Max. voltage - Max. output - Cooling system	Drives wheels; regenerative braking Permanent magnet motor 650 V (DC) 221 hp (165 kW) Water-cooled
<b>HYBRID BATTERY PACK</b>		
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

<b>DRIVETRAIN</b>	
Layout	Full-time all-wheel-drive
Transmission Type	Electronically-controlled Continuously Variable Transmission (ECVT) with three-stage torque multiplication, normal, power and snow modes
Designation	L110F
Gear Ratios	1 <sup>st</sup> N/A 2 <sup>nd</sup> N/A 3 <sup>rd</sup> N/A 4 <sup>th</sup> N/A 5 <sup>th</sup> N/A 6 <sup>th</sup> N/A 7 <sup>th</sup> N/A 8 <sup>th</sup> N/A Reverse N/A
Differential Ratio	3.916

<b>CHASSIS AND BODY</b>	
Body/Frame	Steel Uni-body Frame Structure
Suspension	- Front Multi-link, double joint - Rear Multi-link, double joint
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 – 18.4 (with Active Power Stabilizer) 11.6 – 18.7 (without Active Power Stabilizer) - Turns (lock to lock) 2.3-3.7 (with 19-inch wheels) - Turning Circle (curb to curb) 39.4 ft. (with 19-inch 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



<b>CHASSIS AND BODY CONT.</b>	
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

<b>PERFORMANCE</b>	
0-60 MPF Acceleration (mfr. Estimate)	5.5 seconds
Top Track Speed (electronically limited)	130 mph (210 km/h)
2008 EPA estimated mileage	20 mpg city/22 mpg highway (21 mpg comb.)*
Recommended fuel	Premium unleaded
Coefficient of Drag (C <sub>d</sub> )	0.27

\* For model year 2008 the EPA has revised the way the estimated fuel economy rating is determined. Actual mileage will vary.

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**STANDARD EXTERIOR FEATURES****Overall Exterior Styling/Body Design**

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

19-inch split seven-spoke alloy wheels; buffing time meticulously analyzed to create shade depths that shift with vehicle movement

One-piece chrome molding for side window surrounds

Integrated dual-chrome exhaust tips

World's first low beam 3+1 projector LED headlights

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, SmartAccess key fob and Smart Card key

Arrowhead-shaped parking lamps and wrap-around L-shaped taillights

Thin profile-integrated LED high-mount stop lamp

Lower body side chrome molding

**Body Structure and Paint**

High-strength steel alloy and ultra-high strength sheet metal used in body structure

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

Acoustic glass windshield

Thinsulate insulation for more effective sound absorption

Elimination of lead additive in paints, coatings and ceramic components

Narrow and precise body panel gaps

Laminated side window glass

Exterior colors (all 3-4 coat multi-bake process): Black Opal, Smoky Granite Mica, Mercury Metallic, Starfire Pearl, Verdigris Mica, Obsidian, Golden Almond Metallic, Noble Spinel Mica, and Opaline Pearl

**Convenience Features**

Headlamp washers

Power door closers

One-touch open/close power trunk lid with jam protection

Intuitive Park Assist

Heated electrochromic outside rearview mirrors with puddle lamps (mounted on the underside of mirror housing), and power folding function

SmartAccess key fobs with Smart Card

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**STANDARD INTERIOR FEATURES****Interior Trim**

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

**Seats**

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

**Instrumentation and Controls**

- SmartAccess with push-button start/stop
- Electroluminescent (Optitron<sup>®</sup>) gauges
- Gated shifter with sequential sport-shift mode
- Electrochromic inside mirror
- Cruise control
- HomeLink<sup>®</sup> programmable garage door opener
- Power tilt/telescoping steering wheel with audio, brake hold function and multi-information display controls
- TFT (Thin Film Transistor) color multi-information display indicates: driving range of remaining fuel in tank, average fuel consumption, average fuel consumption since refueling, current fuel consumption, average speed since vehicle started, outside temperature, elapsed time, Dynamic Radar Cruise Control settings (if equipped), maintenance/diagnostic messages, and "Lexus Hybrid Drive" illuminates at start-up.

**Comfort/Convenience Features**

- 30 GB Hard Disc Drive (HDD) Navigation System with voice activation, Bluetooth<sup>®</sup> (including steering wheel controls, rear back-up camera)
- Power tilt-and-slide moonroof with one-touch closure
- Dual-zone front climate control with smog sensor and automatic recirculation control
- LED interior lighting with spot-lamp illumination in front and rear

**Comfort and Convenience Features Cont.**

Charcoal-activated clean air dust and pollen filter  
First aid kit  
Heated steering wheel  
Power rear sunshade  
Individual vanity mirrors in rear seat area  
Rear B-pillar vents

**STANDARD AUDIO SYSTEM**

XM Satellite Radio with NavTraffic displays and dynamic rerouting

**Mark Levinson Audio**

In-dash six-disc DVD changer  
HDD music server stores up to 2,000 songs  
AM/FM Tuner  
Digital Sound Processor (DSP)  
Automatic Sound Levelizer (ASL)  
MP3/WMA compatibility  
19 speakers (7.1 channel speaker architecture)  
MP3/iPod<sup>®</sup> audio input plug  
450 watts, all channels driven (15 discrete channels), 20-20kHz @ less than 0.1 percent Total Harmonic Distortion (THD)

**STANDARD SAFETY AND SECURITY****Safety**

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

**STANDARD MECHANICAL FEATURES**

- Two-stage Electronically-controlled Continuously Variable Transmission (ECVT) with eight-speed sequential shift
- Dual Variable Valve Timing with intelligence (VVT-iE) with electrically controlled intake
- Direct Ignition System (DIS)
- Acoustic Control Induction System (ACIS)
- Aluminum block and cylinder heads with magnesium cylinder covers
- High-grade plastic water jackets to improve cylinder cooling and performance
- Variable Gear Ratio Steering (VGRS)
- Electronic Parking Brake and brake hold function
- 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)
- Liquid-filled engine mounts to reduce noise and vibration
- Increased use of aluminum in suspension components
- Air Suspension with three settings
- All-Wheel-Drive with Torsen<sup>®</sup> Limited Slip Center Differential

**FACTORY OPTIONS**

Pre-Collision System with Dynamic Radar Cruise Control

Active Power Stabilizer

Premium Package

- Rear power seats with memory and center console controls for power slide, recline and headrest
- Rear heated/cooled seats
- Rear seat side airbags
- Lexus Link
- Advanced Parking Guidance System

Premium Package II

- Four-zone climate control with air purifier. additional air ducts and rear cool box
- Rear seat entertainment system with power nine-inch screen
- Rear audio control panel
- Twin power rear door sunshades
- Additional wood trim
- Rear power seats and headrests with memory
- Rear heated/cooled seats
- Rear seat side air bags
- Lexus Link
- Advanced Parking Guidance System



**FACTORY OPTIONS CONT.**Executive-Class Seating Package II

- Right-rear power recliner with multifunction massager and leg rest
- Rear-seat wood-trimmed table
- Rear-seat entertainment system with wireless headphones
- Rear DVD player
- Four-zone climate control with air purifier and rear infrared temperature sensor
- Rear-seat cool box
- Power rear-door sunshades
- Rear-seat audio controls
- Climate-comfort rear heated/cooled seats
- Power rear seats with memory and power headrests
- Rear seat side airbags
- 18-inch nine-spoke wheels
- Additional wood trim
- Lexus Link
- Advanced Parking Guidance System