



EXTERIOR DIMENSIONS	
Wheelbase	115.2 in.
Overall Length	197.4 in.
Overall Width	72.0 in.
Overall Height (unloaded)	58.7 in.
- With optional air suspension	57.9 in.
Tread Width - Base: Front/Rear	61.8/61.8 in.
- Air suspension	62.0/62.0 in.
Ground Clearance	5.7 in.
- Air suspension	5.9 in.

INTERIOR DIMENSIONS	
Seating Capacity	5
Headroom - Front	38.1 in.
- Rear	37.9 in.
Legroom - Front	44.0 in.
- Rear	37.6 in.
Shoulder Room - Front	58.3 in.
- Rear	58.2 in.
Hip Room - Front	56.7 in.
- Rear	57.3 in.
EPA Passenger Volume	107.2 cu. ft.
EPA Cargo Volume	20.2 cu. ft. (17.5 with rear air conditioner)

WEIGHTS AND CAPACITIES	
Curb Weight	3,990 lbs.
GVWR	5,100 lbs.
Weight Distribution – Percent Front/Rear	53/47
Fuel Capacity	22.2 gal.



ENGINE	
Type, Materials	V8, aluminum block and heads
Designation	3UZ-FE
Valvetrain	DOHC 32 valve with continuously Variable Valve Timing with intelligence (VVT-i)
Displacement	4.3 liter
Bore x Stroke	3.6 in. x 3.3 in.
Compression Ratio	10.5:1
Horsepower (SAE)	278 hp @ 5,600 rpm
Torque	312 lb.-ft. @ 3,400 rpm
Maximum Engine Speed (redline)	6,350 rpm
Fuel System	Sequential multiport Fuel Injection (SFI); Electronic Throttle Control System with intelligence (ETCS-I)
Fuel Requirement	91 octane premium unleaded gasoline
Emission Certification	ULEV

DRIVETRAIN	
Layout	Front engine, rear-wheel drive
Transmission Type	6-speed sequential-shift automatic, Electronically Controlled Transmission with intelligence (ECT-i); "Power," "Normal" and "Snow" modes
Designation	N/A
Gear Ratios	1 st 3.296 2 nd 1.959 3 rd 1.348 4 th 1.000 5 th 0.726 6 th 0.502 Reverse 2.951
Differential Ratio	3.769



CHASSIS AND BODY	
Body/Frame	Unitized steel body/frame structure
Suspension - Front	Double-wishbone with anti-lift geometry, coil springs, monotube gas-filled shock absorbers with rebound springs, stabilizer bar
- Rear	Double-wishbone with anti-squat geometry, coil springs, monotube gas-filled shock absorbers, stabilizer bar
- Optional	1) Semi-active electronic air suspension (Ultra Luxury package) 2) Euro-tuned suspension (Sport package)
Steering - Type	Vehicle speed-sensing progressive power rack and pinion
- Overall Ratio	16.4:1
- Turns (lock to lock)	3.52
- Turning Circle (curb to curb)	35.8 ft.
Brakes - Type	Four-wheel power-assisted disc brakes with Anti-lock Braking System (ABS), Brake Assist (BA) and Electronic Brakeforce Distribution (EBD)
- Front	12.4 in. vented disc
- Rear	12.2 in. vented disc
Anti-lock Braking System	4 channel, 4 sensor (integrated with VSC)
Wheel Size/Type	17 x 7.5 JJ/six-spoke aluminum
- Optional	18 x 7.5 JJ/five-spoke aluminum
Tire Size/Type	225/55R17 H-rated summer tires (all-season optional)
- Optional	245/45R18 W-rated summer or all-season tires
Spare Tire and Wheel	Full size tire with aluminum wheel
Tire Brand(s)	Bridgestone, Dunlop

PERFORMANCE	
0-60 mph Acceleration	5.9 sec. (mfg. results)
0-1/4 Mile Acceleration	14.5 sec. (mfg. results)
Top Track Speed	131 mph (electronically limited)
EPA Estimated Fuel Consumption – City/Highway	18/25
Coefficient of Drag (C _d)	0.26 (0.25 with optional air suspension)

EXTERIOR FEATURES

Overall Exterior Styling/Body Design

- Exposed dual exhaust tailpipes
- Adaptive Front lighting System (AFS) with self-leveling High Intensity Discharge (HID) headlamps
- LED brake lights and tail lights
- Halogen foglamps integrated into front spoiler
- Aerodynamic flat underfloor reduces air resistance and wind noise
- Standard 17" wheels
- Large door opening areas for easy ingress/egress
- Low trunk cut-out for easy trunk access

Body Structure and Paint

- Ultra-precise body panels measured to 1/1,000 of a millimeter for flush fit
- Roof and hood silencers
- Foam rubber body noise isolation inserts
- Multilayered panels on cowl and floor (panel composition varies by location)
- Weldable vibration damping "sandwich" steel-resin-steel sheet in dash and rear wheel housing
- Color coordinated rocker moldings and rear underbumper
- Body-side cladding for improved body protection
- Water-repellent side door glass (front doors only)
- Tinted UV-reducing glass
- Excellite II[®] rust-resistant steel
- Galvannealed steel
- Polyvinyl Chloride (PVC) undercoating
- Chip-resistant front fender liners
- Wheel arch protectors
- Door bottom edge protective molding
- Wax and sealer/adhesive applied to inside sections of hood, doors and similar panels
- Extensive use of anti-chipping paint on lower body panels
- Stainless steel exhaust system
- Exterior colors: Moonlight Pearl, Mercury Metallic, Flint Mica, Cypress Pearl, Briarwood Pearl, Crystal White, Black Onyx, Black Cherry Pearl, Mystic Gold Metallic and Blue Onyx Pearl

Convenience Features

- Power trunk closer
- Auto on/off headlamps with adjustable delay off feature
- Rear window defogger with auto-off timer (15 min.)
- Rain-sensing variable intermittent windshield wipers with mist cycle
- Reverse auto tilt-down and auto-folding features on outside mirrors
- Heated, auto-dimming electrochromic power outside mirrors with puddle lamps
- Fuel cap with tether

EXTERIOR FEATURES – CONT.

Optional Features

- 18" wheels with 245/45R18 tires (available as stand-alone option)
- Optional noise-reducing laminated side glass (Ultra/Custom Luxury Selections only)
- Optional headlamp washers (Ultra/Custom Luxury Selections only)
- Optional power door closers for all four doors (Ultra/Custom Luxury Selections only)
- Optional "Sport Suspension" badging (Sport Package only)

INTERIOR FEATURES

Interior Trim

- Interior colors: Saddle, Ash, Cashmere, Ecru and Black
- Standard Majesty leather trim (nonperforated standard; perforated with optional climate-control seats)
- Optional perforated semi-aniline or luxury leather trim (Ultra/Custom Luxury Selections only)
- Wood and leather-trimmed steering wheel with chrome "L" emblem and audio controls (models with Navigation add voice command button)
- Wood and leather-trimmed shift knob
- Walnut, or Golden Bird's-eye Maple wood trim on doors, switch plates, instrument panel and ashtray area
- Optional Antiqued Walnut wood trim (Ultra/Custom Luxury Selections only)
- Molded fabric (sliding) sunvisors, headliner, A/B/C pillars and center visor
- Full door trim with integrated armrests and front and rear storage pockets (front door pockets tilt open for easy access)
- Cut pile carpeting
- Carpeted floor mats (carpeted trunk mat optional)
- Assist grips (two front and two rear)

Seats

- 14-way power driver's and 10-way front passenger's seat (power adjustments: fore-and-aft slide fore-aft recline, front vertical height, rear vertical height, seat cushion extend on driver's seat, four-point power lumbar support on driver's seat and two-point power lumbar support on passenger's seat, power headrest height adjust and manual fore-aft adjustments)
- Large front headrests (driver's with memory)
- Four-way adjustable rear outboard headrests and adjustable two-way rear center headrest
- Illuminated front seatbelt buckles
- Power front shoulder belt anchor height adjusters
- Fold down rear center arm rest with trunk pass-through (no pass-through with optional Ultra Luxury selection)
- Front seatback storage pockets
- Optional front and rear climate control seats (with heating and cooling control)
- Optional heated front and rear seats

INTERIOR FEATURES – CONT.

Instrumentation and Controls

- Optitron electroluminescent instrumentation with tachometer, speedometer, coolant temperature and fuel gauges
- Multi-information display (bottom of instrument cluster) with indicators for: low oil pressure, charging system, door open, parking brake on, tail lamp failure, low engine coolant, low washer fluid, trunk open, seatbelt reminder, SRS airbag, check engine, ABS and brake pad wear
- Scheduled Maintenance Indicator Light
- Headlights-on and foglight on indicator lamp
- Electronic odometer and dual trip meters
- Soft-touch fully automatic dual-zone climate controls with smog sensing auto-recirculation system, LCD temperature/function indicator and temperature- and sun-sensing swing air registers which automatically control airflow direction based on sunlight and exterior/interior temperatures
- Outside temperature indicator gauge displays temperature between -22 and 122°F
- Digital clock
- Compass

Comfort/Convenience Features

- Compact HVAC system with “film door damping” technology
- Power tilt and telescopic steering column with automatic tilt-away
- Steering wheel-mounted cruise control
- Gated shift lever with night illumination
- Adjustable light sensor for auto-on/off headlamps
- Three position memory system for driver’s seat, steering wheel, outside mirrors and shoulder belt adjustment
- Power windows with "auto-up/down" feature on all four windows with jam protection and night illumination of switches
- Standard tilt/slide moonroof with auto open/close feature and jam protection
- Power rear sunshade (formerly optional)
- Dual illuminated vanity mirrors
- Lighted rear-seat vanity mirrors
- Retained accessory power for windows and optional moonroof
- Power door locks with anti lock-out feature and driver-door two-turn unlock system
- Coin holder integrated into the instrument panel
- Push-type front dual cup holder; rear dual cup holders integrated in center armrest
- Outside air filtration and deodorization system
- Auto-dimming electrochromic inside and dual outside rearview mirrors
- Electric trunk and fuel door releases with valet lock-out feature for trunk
- Programmable three-button garage door opener integrated in front map light assembly
- Individual front and rear reading lamps with additional illumination in the rear
- Door courtesy lights, glovebox light and trunk light
- Integrated, retractable coat hooks
- Dual-compartment center console box with storage capability for compact discs or cassettes

INTERIOR FEATURES – CONT.**Comfort/Convenience Features – cont.**

- Additional power outlet inside the center console box
- Prewired for optional Lexus cellular phone, transceiver, command module and window imprinted antenna
- Pull-down handle for trunk lid
- Emergency release handle inside trunk
- Full-sized lockable lower glovebox
- First aid kit in dedicated box beneath driver's seat
- Tool kit
- Lexus Personalized Settings (LPS) allows certain electronic settings to be tailored to owner preference (programmable by Lexus dealers)

Optional Features

- SmartAccess electronic-key entry and engine-start system
- Dynamic Laser Cruise Control (Ultra/Custom Luxury selections only)
- Dynamic Radar Cruise Control (with Pre-Collision System, included only in the Ultra/Custom Luxury packages)
- Intuitive Parking Assist
- Swiveling rear-seat reading lights (with optional Ultra Luxury Selection)
- Lexus Navigation System featuring over 5.6 million points of interest, a 7" screen, contiguous U.S. coverage and voice command
- Bluetooth® (with Navigation System)
- Rear back-up camera (with Navigation System)
- Interior Package (part of Ultra/Custom Luxury selections): Ecsaine trim located on sun visors, headliner, A/B/C pillars and center visor; additional leather on door armrests and lower dash area
- Optional Rear Seat Improvement Package (part of Ultra Luxury selection): Rear door sunshades, rear seat adjuster with power slide, massager, headrest adjust and memory, rear-seat heater, rear air conditioner with air purifier and optical deodorizer, rear cooler box and rear-seat audio controls

AUDIO SYSTEMS

- XM Satellite Radio available (dealer installed)

Lexus Premium Audio (standard)

- AM/FM ETR with auto-reverse and six-disc in-dash CD changer
- Dolby B and C noise reduction for cassette
- Cassette scan feature
- Electronic crossover network
- Automatic Sound Levelizer (ASL)
- Seven speakers including subwoofer
- Rear glass-imprinted radio antenna with separate FM diversity antenna
- 178W @ 0.1% THD

Mark Levinson® Audio (optional)

- ← (CD changer integrated into head unit)
- ←
- ←
- ←
- ←
- 11 speakers including subwoofer
- ←
- 240W @ 0.01% THD; 20-20,000 Hz
- State-of-the-art seven-channel discrete digital amplifier
- Ultra-low crossover distortion

SAFETY AND SECURITY

Safety

- Available Pre-Collision System (PCS)
- Driver and front passenger knee airbag Supplemental Restraint System (SRS)
- Driver and front passenger airbag Supplemental Restraint System (SRS)
- Seat-mounted side airbag Supplemental Restraint System (SRS) for front seats
- Side front- and rear-curtain airbag Supplemental Restraint System (SRS)
- Force-limiting seatbelt pretensioners for both front seats and the outboard rear passengers
- Three-point belts for all seating positions and height adjustable front shoulder belt anchors
- Automatic locking retractor (ALR)/emergency locking retractor (ELR) function on all seatbelt positions except driver (ELR only)
- Tire pressure monitoring system
- Vehicle Stability Control system (VSC) with throttle control and individual wheel braking
- Highly rigid cabin with 5 mph front and rear bumpers
- Front and rear energy-managing crumple zones
- Side door impact beams
- Impact-dissipating upper interior trim
- Shift-lock system with recessed and covered shift-lock button
- Child Restraint Seat (CRS) tether anchor brackets
- Daytime Running Lights (DRL)
- Adaptive Front lighting System (AFS) that improves road visibility in turns

SAFETY AND SECURITY – CONT.**Security**

- Vehicle theft-deterrent system
- Multifunction in-key remote with engine immobilizer and remote window "down" feature
- Entry system with lock, two-stage unlock, trunk open and "panic" features, volume-adjustable confirmation tone and rolling code technology
- 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)

MECHANICAL FEATURES

- On-board Refueling Vapor Recovery System (ORVR)
- Computer controlled ignition system with dual knock sensors and Electronic Spark Advance (ESA) to optimize ignition timing
- On-board diagnostics system (OBD II)
- Extensive use of aluminum alloys to reduce weight yet maintain rigidity and strength
- Stainless steel exhaust manifolds
- Scissors gear driven exhaust camshaft for a compact cylinder head design and quiet operation
- Super-flow torque converter design for high-performance and high-efficiency
- High-rigidity forged aluminum upper suspension arms for improved ride and handling and reduced noise and vibration
- Tubular rear suspension member with an added brace for improved rigidity and reduced weight
- Fluid filled hydraulic rear suspension member mounts and differential mounts to reduce NVH
- "Zero degree" geometry drivetrain for low vibration

APPENDIX

SmartAccess

- The optional SmartAccess allows remote locking and unlocking of doors, open trunk and engine start, all without inserting a key. SmartAccess functions when the key is detected and matches vehicle ID codes. Key detection area radius is 2.3-3.3 ft in each of five areas (one for each side door and the trunk).
- **Unlock function:** When key is detected and the driver grabs the door handle, the electronic sensor activate and unlocks the door(s).
There are three unlocking modes, which can be adjusted by the driver:
 - ⇒ All door mode (all doors unlock regardless of initial detection area)
 - ⇒ One-side mode (front and rear doors on one side of vehicle unlock)
 - ⇒ Individual door mode (only door within the detection area unlocks)
- **Locking Function:** After exiting the vehicle, press the lock switch on the door handle or lock button on the SmartAccess key to lock doors and activate theft-deterrent system. A buzzer will sound and the doors will not lock if the door lock switch is pressed while the keys are inside the vehicle.
- **Engine Start:** Once the key is detected, the vehicle can be started by simply turning the ignition switch. There is no need to insert the key.
- **Power Window Closure:** Pressing and holding the lock switch for more than three seconds will close all windows.
- **Trunk Opening:** When key is within the trunk detection area, pressing the touch sensor underneath the chrome license plate garnish will open the trunk. If the trunk is closed with the Smart Key inside, a buzzer will sound and the trunk can be reopened via the touch sensor. However, this function may not operate if the Smart Key is on either the extreme side of the trunk or in the spare tire area.
- **Illumination:** For lighted entry, the puddle lamp (outside mirror) and the interior dome light come on when the key is detected.
- The Smart Key also contains a removable mechanical key should the Smart Key battery die.
- The system can also be turned off via a dashboard switch.

Adaptive Front lighting System (AFS)

- AFS is an advanced lighting system that helps optimize road visibility in turns by swiveling the low beam headlights to the right or left based on vehicle speed and steering angle.
- In a right turn, the right low beam can swivel between 0 and 5 degrees while the left low beam stays in the center position.
- In a left turn, the left low beam can swivel between 0 and 15 degrees while the right low beam stays in the center position.
- An AFS on/off switch allows the driver to disengage the AFS system at anytime.
- The system does not operate in reverse.

APPENDIX – CONT.**Dynamic Radar Cruise Control**

- Similar to the functions of the Dynamic Laser Cruise, the optional Dynamic Radar Cruise control is designed to control the engine throttle position and the transmission to maintain the set driving speed.
- A millimeter-wave radar sensor mounted behind the front grille is used to detect vehicles traveling in front and maintain the pre-set distance between those vehicles and the LS 430.

Pre-Collision System (PCS)

- The available Pre-Collision System activates the pre-collision seatbelt and prepares Brake Assist when the system detects that a collision is unavoidable.
- The system utilizes the millimeter-wave radar sensor from the cruise control system to detect obstacles on the road and anticipate an unavoidable collision in advance.
- The PCS pre-collision seatbelt uses a motor to retract the seatbelt before the collision to help prepare the driver and front passenger for the collision.

FACTORY OPTIONS**Semi-Aniline Leather Trim****Comfort Leather Trim****SmartAccess****Sport Package 1**

- Euro-tuned sport suspension
- 18 x 7.5 JJ aluminum wheels with 245/45R18 summer tires

Sport Package 2 (chrome wheels)

- Euro-tuned sport suspension
- 18 x 7.5 JJ chrome plated aluminum wheels with 245/45R18 summer tires

Sport Package 3

- Euro-tuned sport suspension
- 18 x 7.5 JJ aluminum wheels with 245/45R18 **all-season** tires

Sport Package 4 (chrome wheels)

- Euro-tuned sport suspension
- 18 x 7.5 JJ chrome plated aluminum wheels with 245/45R18 **all-season** tires

17" All-Season Tires with chrome wheels

- P225/55R17 tires
- 17 x 7.5 JJ chrome-plated aluminum wheels
- Full size spare tire with chrome wheel

18" Tires: Summer or All-Season

- 245/45R18 tire size
- 18 x 7.5 JJ aluminum wheels in silver finish or chrome-plated

Premium Package

- Front climate control seats with heating/cooling control
- Rear seat heaters
- Intuitive Parking Assist

Modern Luxury Package

- Mark Levinson[®] Audio
- Lexus Navigation System with rear back-up camera and Bluetooth[®]
- 4-spoke wood and leather-trimmed steering wheel with voice command
- Front climate control seats with heating/cooling control and rear seat heaters
- Intuitive Parking Assist

Custom Luxury Selection

- Mark Levinson[®] Audio
- Lexus Navigation System with rear back-up camera and Bluetooth[®]
- 4-spoke wood and leather-trimmed steering wheel with voice command
- Dynamic Laser Cruise Control
- Intuitive Parking Assist
- Front climate control seats with heating/cooling control
- Rear seat heaters
- Headlamp washer



- Power door closers

FACTORY OPTIONS – CONT.

Custom Luxury Selection with Pre-Collision System

- Dynamic Radar Cruise Control
- Pre-Collision System (PCS)
- Mark Levinson® Audio
- Lexus Navigation System with rear back-up camera and Bluetooth®
- 4-spoke wood and leather-trimmed steering wheel with voice command
- Intuitive Parking Assist
- Front climate control seats with heating/cooling control
- Rear seat heaters
- Headlamp washer
- Power door closers

Ultra Luxury Selection

- Mark Levinson® Audio
- Lexus Navigation System with rear back-up camera and Bluetooth®
- Dynamic Laser Cruise Control
- Air suspension
- SmartAccess
- 4-spoke wood and leather-trimmed steering wheel with voice command
- Rear door sunshades
- Intuitive Parking Assist
- Rear seat adjuster with power/slide and memory
- Front and rear climate control seats
- Rear air conditioner with optical deodorizer
- Rear seat improvement package
- Headlamp washer
- Power door closers
- Rear swivel-reading lamps

Ultra Luxury Selection with Pre-Collision System

- Dynamic Radar Cruise Control
- Pre-Collision System
- Mark Levinson® Audio
- Lexus Navigation System with rear back-up camera and Bluetooth®
- Air suspension
- SmartAccess
- 4-spoke wood and leather-trimmed steering wheel with voice command
- Rear door sunshades
- Intuitive Parking Assist
- Rear seat adjuster with power/slide and memory
- Front and rear climate control seats
- Rear air conditioner with optical deodorizer
- Rear seat improvement package
- Headlamp washer
- Power door closers
- Rear swivel reading lamps