



Note: All specs are for both all-weather drive (AWD) and front-wheel drive (FWD) unless otherwise noted.

<b>EXTERIOR DIMENSIONS</b>	
Wheelbase	109.8 in.
Overall Length	192.5 in.
Overall Width	74.6 in.
Overall Height (unloaded)	67.7 in. (without roof rack)
Tread Width - Front	64.4 in.
- Rear	64.0 in.
Ground Clearance	8.2 in.
Approach Angle	17.0 deg.
Departure Angle	24.9 deg.
Breakover Angle	16.8 deg.

<b>INTERIOR DIMENSIONS</b>	
Seating Capacity	5
Headroom - Front	39.4 in.
- Rear	38.2 in.
Legroom - Front	44.1 in.
- Rear	38.0 in.
Shoulder Room - Front	57.8 in.
- Rear	57.6 in.
Hip Room - Front	56.6 in.
- Rear	56.0 in.
Total Interior Volume	139.7 cu. ft.
Cargo Volume - Cargo area	18.0 cu. ft.
- Rear seats folded down	55.9 cu. ft.

<b>WEIGHTS AND CAPACITIES</b>	
Curb Weight	4,740 lbs. – AWD; 4,608 lbs. – FWD
GVWR	5,997 lbs. – AWD; 5,864 lbs. – FWD
Max Towing Capacity	3,500 lbs. (with appropriate hitch) – AWD Not Applicable – FWD
Fuel Capacity	17.2 gal.



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<b>HYBRID POWER SYSTEM</b>		
Type		Series/parallel system with gas engine and electric motors
<b>Total System Power</b>		308 hp
<b>ENGINE</b>		
Type, Materials		V6, aluminum block and heads
Designation		2GR-FXS
Valvetrain		DOHC 24-valve with VVT-i
Displacement		3.5 liter
Bore x Stroke		3.70 in. x 3.27 in.
Compression Ratio		13.0:1
Horsepower (SAE)		259 hp @ 6,000 rpm (not including hybrid drive)
Torque		247 lb.-ft. @ 4,800 rpm (not including hybrid drive)
Maximum Engine Speed (redline)		6,200 rpm
Fuel System		Port Fuel Injection (EFI, D-4S)
Fuel Requirement		Performance numbers achieved with 91-octane unleaded fuel
Emission Certification		LEV III (California); SULEV30 (all other states)
Evaporative Emission Certification		Zero evap.
<b>ELECTRIC MOTORS</b>		
Motor Generator 1 (MG1)	- Function	Generator, engine starter, transmission ratio control
	- Type	Permanent magnet motor
	- Max. voltage	AC 650V
Motor Generator 2 (MG2)	- Function	Drives front wheels, regenerative braking
	- Type	Permanent magnet motor
	- Max. voltage	AC 650V
	- Max. output	165 hp (123 kW)
Motor Generator Rear (MGR) (AWD Model Only)	- Function	Drives rear wheels, regenerative braking
	- Type	Permanent magnet motor
	- Max. voltage	AC 650V
	- Max. output	67 hp (50 kW)
<b>HYBRID BATTERY PACK</b>		
Type		Sealed Nickel Metal Hydride (Ni-MH)
Nominal Voltage		288V
Power Output		37 kW



## 2016 RX 450h Product Information

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<b>DRIVETRAIN</b>	
Layout	Front gas engine with hybrid transaxle and front and rear electric drive motors, electric all-wheel drive
Transaxle/Transmission Type	Electronically Controlled Continuously Variable Transmission (ECVT); planetary gear unit for gear reduction and power splitting, electronic all- or front-wheel-drive control system
Designation	P313

<b>CHASSIS AND BODY</b>	
Body/Frame	Unitized steel
Suspension - Front	MacPherson strut, coil springs
- Rear	Double wishbone type, coil springs
Steering - Type	Electric Power Steering (EPS): rack and pinion with electronic power assist
- Overall Ratio	14.8:1
- Turns (lock to lock)	2.70
- Turning Circle (wall to wall)	45.2 feet
- Turning Circle (curb to curb)	38.0 feet
Brake System	Electronically Controlled Brake (ECB2) system with regenerative control and incorporating Anti-lock Braking System (ABS), Electronic Brake force Distribution (EBD), Brake Assist (BA) and Vehicle Dynamics Integrated Management system (VDIM)
Brake Rotors - Front - type/diameter	Ventilated disc/12.9 in.
- Rear - type/diameter	Ventilated disc/13.3 in.
Anti-Lock Braking System	4 channel, 4 sensor
Wheel Size/Type	18-in. x 7.5-in. (standard) 20-in. x 7.5-in. (optional)
Tire Size/Type	235/65R18 (standard) 235/55R20 (optional) 235/55R20 (optional F SPORT)
Spare Tire/Wheel	Compact

<b>PERFORMANCE</b>		
0-60 mph Acceleration (mfg. results)	FWD - 7.7 seconds	AWD - 7.9 seconds
0-1/4 Mile Acceleration (mfg. results)	FWD - TBD	AWD - TBD
Top Track Speed	112 mph – electronically limited	
Estimated Fuel Economy* (City/Hwy/Combined)	FWD – 31/30/30	AWD – 30/28/30
Coefficient of Drag (Cd)	0.34	

\*2016 Lexus MPG estimate. Actual mileage will vary.



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### **STANDARD EXTERIOR FEATURES**

#### **Overall Exterior Styling/Body Design**

- 18-inch seven-spoke aluminum wheels with 235/65R18 tires
- Aluminum roof rails
- Blue highlights added to front and rear “L” logo
- Front LED fog lamps integrated into bumper
- “HYBRID” badge incorporated on side molding of rear doors
- LED brake lights
- LED daytime running lights
- Power tilt/slide moonroof
- Rear privacy glass
- Side mirrors with integrated LED turn signal lamps (three times flash feature, can be turned off)
- Standard integrated rear spoiler that hides windshield wiper mechanism
- Water-repellant front door glass

#### **Body Structure and Paint**

- Acoustic glass windshield to reduce noise
- Anti-chipping paint applied to rocker panels and wheel housing arch sections
- Exterior colors (10): Matador Red Mica, Silver Lining Metallic, Nebula Gray Pearl, Obsidian, Satin Cashmere Metallic, Nightfall Mica, Eminent White Pearl, Caviar, Autumn Shimmer and F SPORT exclusive Ultra White
- High level of rust protection with zinc-plated steel on hood, doors and front fenders
- Highly rigid body, monocoque construction
- Measures to limit noise, vibration and harshness (NVH) have been applied throughout the vehicle
- Rear bumper protector
- Soft chip primer applied to hood for improved anti-chipping
- Sound insulation placed in door panels, instrument panel and floor mats
- UV-reducing glass used for all windows

#### **Convenience Features**

- Auto on/off headlamps
- Foldable heated outside mirrors
- Power back door
- Rear intermittent wiper
- SmartAccess key system
- Variable intermittent windshield wipers

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### **STANDARD INTERIOR FEATURES**

#### **Interior Trim**

- Carpeted floor mats (carpeted trunk mat optional)
- Chrome inside door handles
- Coat hooks
- Fabric covered sun visors with adjustable-illumination vanity mirrors and slide extensions
- Espresso Walnut, Matte Bamboo, or Matte Linear Dark Mocha Wood trim on console and switch plates
- Leather-trimmed three-spoke steering wheel and shift knob
- Leather-trimmed seats in Parchment, Stratus Gray, Black or Noble Brown

#### **Seats and Cargo Area**

- 10-way power driver's and front passenger's seats: fore-aft slide; fore-aft recline; front vertical height; rear vertical height and power lumbar support
- Driver's seat Easy Exit (auto away/return)
- Driver's seat memory – three settings (seat, steering, outer mirrors)
- Heated and ventilated front seats
- Rear center arm rest with cupholders
- Rear seat one-touch fold levers
- Reclining/sliding fold-down rear seats with 40/20/40-split
- Tonneau cover for rear cargo area

#### **Instrumentation and Controls**

- Organic white Light-Emitting Diode (OLED) multi-information display
- Scheduled maintenance indicator light

### **CONVENIENCE FEATURES**

- 12-volt power outlets (4): center console box (1), lower console area (1), cargo area (1)
- Assist grips: front (2), rear (2)
- Auto on/off headlights
- Automatic dual-zone climate control with dust and pollen particle and deodorizing interior air filter
- Center console with cupholders (2) and storage bin
- Courtesy lights mounted on doors
- Electrochromic rearview mirror with compass (without Navigation)
- First aid kit
- Front and rear map lights; cargo area light
- Front seatback pockets
- Incandescent dome light with white LED spot lights
- Incandescent foot lights
- LED illuminated center console and glove box
- Lexus Personalized Settings (LPS) to allow certain vehicle settings to be tailored to owner preference (programmable by owner)
- Manual front seatbelt anchor height adjusters



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### **CONVENIENCE FEATURES - CONT.**

- Navigation System
  - Navigation
  - Lexus Enform App Suite (subscription free): Destination Search, Yelp®, iHeartRadio™, Facebook Places™, Movietickets.com™, OpenTable®, Pandora®, Slacker, Stocks, Fuel Prices, Sports
  - Lexus Enform Destinations: Destination Assist, and eDestination (one-year trial subscription included, requires Lexus Enform Safety Connect)
  - Lexus Insider™
  - Remote Touch Navigation controller
  - SiriusXM® NavTraffic, NavWeather, Sports, Stocks and Fuel Prices (one-year trial data subscription included)
- Power door locks with anti lock-out feature
- Power tilt-and-telescopic steering column
- Power windows with one-touch auto up/down feature with jam protection for all windows
- Programmable garage door opener (HomeLink®)
- Pull-out front door storage pockets
- Rain-sensing windshield wipers
- Rear air conditioning vents mounted on rear of center console
- Siri® Eyes Free mode
- Steering wheel audio controls
- USB ports in center console box (2)

### **STANDARD AUDIO SYSTEM**

#### Lexus Display Audio

- 8-inch EMV display
- 12-speaker premium audio system with subwoofer
- Advanced voice command casual-language voice recognition system
- Backup monitor
- Bluetooth® hands free phone and automatic phonebook download capabilities
- HD Radio™ with iTunes® tagging



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### CONVENIENCE FEATURES - CONT.

### MULTIMEDIA

- Home screen divided into three sections (customizable for HVAC, audio, traffic, MID)
- Menu shortcuts on side of screen to allow quick access to Audio, Navigation, Phone, etc. from any screen (available 12.3-inch screen only)
- Navigation equipped vehicles
  - 3D buildings; key buildings/landmarks
  - My traffic routes; preset frequently used routes, ETA for routes
  - Speed limit display on road traveled
  - ETA calculation improved (speed limit, current traffic, predictive traffic data)
  - Traffic detour preview; alternate route options offered when traffic becomes heavy
  - Predictive traffic; provides view of traffic ahead based on Clear Channel Total Traffic Network (15 minute increments)
- MID data sharing; content from headunit displayed in MID (e.g. song information, NAV direction, call info.)
- Voice Recognition
  - Capabilities to help user when command not understood
  - One-shot address entry
  - Steering wheel control of onboard/offboard voice recognition
  - Voice Recognition Guidance Level; ability to choose voice prompt level (High/Low/Off)
- Hint screens
- Cache Radio; ability to pause live AM/FM radio and HD Radio (10 minutes later)
  - Hybrid Data Service
  - Traffic and Weather data provided via HD Radio (free to all users while in HD Radio range)
    - Display Audio has basic traffic map and weather forecast
    - NAV-equipped vehicles have up to date and predictive traffic, Doppler weather and weather forecast
      - NAV-equipped vehicles w/Lexus Enform App Suite can continue to receive data outside of HD Radio range (switches to cellular connectivity when outside of HD Radio range)

### STANDARD SAFETY AND SECURITY

#### Safety

- Active headrests for front seats
- Advanced technology airbag system Supplemental Restraint System (SRS) for driver and front passenger:
  - Driver dual-stage airbag uses factors including crash severity and seat track position to choose one of three possible deployment speeds.
  - Front passenger dual-stage twin-chamber airbag uses crash severity sensors to choose one of two deployment speeds. Airbag is designed to not deploy for passengers under 68.3 lbs or when child seat is detected. (Advanced airbags in compliance with FMVSS208)
- ALR/ELR seat belt retractors on all outboard seating positions except driver (ELR only)
- Blind Spot Monitor with Rear Cross Traffic Alert
- Daytime Running Lights (DRL)
- Driver and front passenger knee airbags
- Enhanced side-impact protection
- Enhanced-VSC (Vehicle Stability Control)
- Force-limiting seatbelt pre-tensioners for the driver's and front passenger's seats



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### **STANDARD SAFETY AND SECURITY - CONT.**

- Four-sensor, four-channel Anti-lock Braking System (ABS) with Brake Assist (BA)
- High-strength sheet steel components
- Roll-sensing front and rear side-curtain airbags
- Side impact door beams
- Three-point seatbelts with pre-tensioners for outboard rear seating positions

### **Security**

- Entry system with lock, two-stage unlock, trunk open and "panic" features, and rolling code technology
- Headlight off delay feature
- 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
- Safety Connect<sup>®</sup> with Automatic Collision Notification, Stolen Vehicle Location, Emergency Assist Button, and Enhanced Roadside Assistance (complimentary one-year trial subscription included)
- Vehicle theft-deterrent system



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**FACTORY OPTIONS**

- 12.3-inch screen for Navigation with full map and menu shortcuts
- 20-inch split five-spoke wheels with dark silver paint and machine surfacing and all-season 235/55/R20 tires
- Color Heads-Up Display
- Heated steering wheel
- Intuitive Park Assist
- Mark Levinson® Audio System with 15 speakers and DVD player (Requires Navigation Package)
- Panoramic moonroof (AWD only)
- Panoramic-view Monitor
- Power-folding heated rear seats (Requires Luxury Package)
- Premium triple-beam LED headlamps with LED cornering lamp
- Touch-Free Power Rear Door
- Lexus Safety System +
  - Pre-Collision System with Pedestrian Detection
  - All-Speed Dynamic Radar Cruise Control (DRCC)
  - Intelligent High Beam (IHB)
  - Lane Departure Alert (LDA) with Steering Assist
- Luxury Package
  - 20-inch super chrome wheels with machined finish and selectable color inserts with 235/55/R20 tires
  - Gray Sapele Wood with Aluminum Trim
  - Heated steering wheel
  - LED ambient illumination
  - Rear door sunshades
  - Semi-aniline trimmed seats with unique sewing pattern, piping and four-way power lumbar available in Black, Stratus Gray, Parchment and Noble Brown
  - Stainless rear bumper protector and rear door garnish

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**FACTORY OPTIONS – CONT.**

- F SPORT (AWD only)
  - 20-inch F SPORT wheels with dark metallic super chrome finish (235/55/R20)
  - Adaptive Variable Suspension with Sport+ drive mode
  - Black headliner
  - Black outer mirrors
  - F SPORT exterior and steering wheel badging
  - F SPORT meters
  - F SPORT tuned suspension with front and rear performance dampers
  - Heated and ventilated F SPORT leather-trimmed front seats with unique stitching available in Black, Stratus Gray & Rioja Red
  - Paddle shifters
  - Perforated leather-wrapped steering and shift knob
  - Scored Aluminum trim, pedals and foot rest
  - Unique fascia, front bumper, and rear bumper
  - Vehicle Dynamics Integrated Management (VDIM)
  
- Rear Seat Entertainment (Requires Luxury Package)
  - 120V AC outlet in rear passenger compartment
  - Audio/video inputs
  - Dual wireless headphones
  - DVD rear seat entertainment system with 11.6-inch dual screen, HDMI connection and wireless remote control
  
- Towing Package (AWD only)
  - Heavy duty alternator and radiator
  - Transmission cooler
  
- Lexus Enform Remote - Allows customers to remotely view and control certain aspects of their Lexus vehicle via a mobile application for iOS and Android smartphone users. Lexus Enform Remote application is separate from Lexus Enform App Suite application (not on head unit). Requires Lexus Enform Safety Connect and Lexus Enform Remote subscription (one-year trial subscriptions included); and Navigation. Customers must register for service. Provides: Ability to use with multiple Lexus vehicles; email and push notifications; Guest Driver Monitor; Remote Door Lock/Unlock; Remote Pre-HVAC; Vehicle Finder; Vehicle Status Report; Vehicle Alerts.
  
- Lexus Enform Service Connect - Allows customers to remotely view information about certain aspects of their Lexus vehicle via MyLexusandBeyond mobile application for iOS smartphone users or LexusDrivers.com. Lexus Enform Service Connect application is separate from Lexus Enform App Suite application (not on head unit). Requires Lexus Enform Safety Connect and Lexus Enform Service Connect subscription (complimentary one-year trial subscription included). Customers must register for service.
  - Vehicle Health Report - Email and push notifications for diagnostic information, required maintenance, current vehicle alerts, service campaigns, and more.
  - Maintenance Alerts - Email and push notifications