



2013 RX 450h Product Information

Note: All specs are for both all-wheel drive (AWD) and front-wheel drive (FWD) unless otherwise noted. Items in **bold** are new for 2013.

EXTERIOR DIMENSIONS	
Wheelbase	107.9 in.
Overall Length	187.8 in.
Overall Width	74.2 in.
Overall Height (unloaded)	66.3 in. (without roof rack)
Tread Width - Front	64.2 in.
- Rear	63.8 in.
Ground Clearance	6.9 in.
Approach Angle	28.5 deg. – FWD 28.6 – AWD
Departure Angle	24.6 deg.
Breakover Angle	14.4 deg.

INTERIOR DIMENSIONS	
Seating Capacity	5
Headroom - Front (with moonroof)	39.1 in.
- Rear	37.7 in.
Legroom - Front	43.1 in.
- Rear	36.8 in.
Shoulder Room - Front	58.0 in.
- Rear	57.6 in.
Hip Room - Front	55.6 in.
- Rear	54.5 in.
Total Interior Volume	139.7 cu. ft.
Cargo Volume - Rear seats up and rearmost	40.0 cu. ft.
- Rear seats folded down	80.3 cu. ft.

WEIGHTS AND CAPACITIES	
Curb Weight	4,652 lbs. – AWD; 4,520 lbs. – FWD
GVWR	5,974 lbs. – AWD; 5,765 lbs. – FWD
Max Towing Capacity	3,500 lbs. (with appropriate hitch) – AWD Not Applicable – FWD
Fuel Capacity	17.2 gal.



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HYBRID POWER SYSTEM		
Type		Series/parallel system with gas engine and electric motors
Total System Power		295 hp
ENGINE		
Type, Materials		V6, aluminum block and heads
Designation		2GR-FXE
Valvetrain		DOHC 24-valve with VVT-i
Displacement		3.5 liter
Bore x Stroke		3.70 in. x 3.27 in.
Compression Ratio		12.5:1
Horsepower (SAE)		245 hp @ 6,000 rpm (not including hybrid drive)
Torque		234 lb.-ft. @ 4,800 rpm (not including hybrid drive)
Maximum Engine Speed (redline)		6,200 rpm
Fuel System		Port Fuel Injection (SFI)
Fuel Requirement		Performance numbers achieved with 91-octane unleaded fuel
Emission Certification		SULEV II (California); Tier 2 – Bin 3 (all other states)
Evaporative Emission Certification		Zero evap.
ELECTRIC MOTORS		
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	155 hp (116 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)
HYBRID BATTERY PACK		
Type		Sealed Nickel Metal Hydride (Ni-MH)
Nominal Voltage		288V
Power Output		37 kW



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DRIVETRAIN	
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

CHASSIS AND BODY	
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)	2.79
- Turning Circle (wall to wall)	40.0 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	Disc/12.2 in.
Anti-Lock Braking System	4 channel, 4 sensor
Wheel Size/Type	18-in. x 7.5-in. (standard) 19-in. x 7.5-in. (optional)
Tire Size/Type	235/60R18 (standard) 235/55VR19 (optional)
Spare Tire/Wheel	Compact

PERFORMANCE		
0-60 mph Acceleration (mfg. results)	FWD - 7.8 seconds	AWD - 7.4 seconds
0-1/4 Mile Acceleration (mfg. results)	FWD - 16.0 seconds	AWD - 15.6 seconds
Top Track Speed	112 mph – electronically limited	
EPA Estimated Fuel Economy* (City/Hwy/Combined)	FWD – 32/28/30	AWD – 30/28/29
Coefficient of Drag (Cd)	0.33	

*2012 EPA MPG estimate. Actual mileage will vary.

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STANDARD EXTERIOR FEATURES

Overall Exterior Styling/Body Design

- 18-inch x 7.5-inch five-spoke aluminum wheels
- 235/60R18 tires
- Blue highlights added to front and rear “L” logo
- Front fog lamps integrated into bumper
- “HYBRID” badge incorporated on side molding of rear doors
- LED brake lights
- Rear privacy glass
- Side mirrors with integrated LED turn signal lamps
- Standard integrated rear spoiler that hides windshield wiper mechanism
- Water-repellant front door glass
- **LED DRLs**

Body Structure and Paint

- Acoustic glass windshield to reduce noise
- Anti-chipping paint applied to rocker panels and wheel housing arch sections
- Exterior colors (9): **Claret Mica**, **Silver Lining**, Nebula Gray Pearl, Obsidian, Satin Cashmere Metallic, **Meteor Blue Mica**, Starfire Pearl, Stargazer Black, **Fire Agate**,
- 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
- Integrated front fog lamps
- Rear intermittent wiper
- SmartAccess key system
- Variable intermittent windshield wipers
- **Power back door**

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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
- Fabric-trim seats in Light Gray
- Genuine Walnut or Bird's Eye Maple wood trim on console and switch plates
- Leather-trim three-spoke steering wheel and shift knob

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)
- 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 (3): 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
- Power door locks with anti lock-out feature

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CONVENIENCE FEATURES - CONT.

- 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
- Rear air conditioning vents mounted on rear of center console
- Steering wheel audio controls
- Tool kit

STANDARD AUDIO SYSTEM

Lexus Premium Audio

- 9 speakers
- AM/FM antenna integrated into rear spoiler
- In-dash six-disc CD auto-changer
- Integrated SiriusXM Satellite Radio receiver (90-day trial subscription included)
- **Digital power amplifier**
- **USB/iPod control**

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)
- 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
- Four-sensor, four-channel Anti-lock Braking System (ABS) with Brake Assist (BA)
- Front and rear seat-mounted side airbags
- 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
- Tire pressure monitoring system

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STANDARD SAFETY AND SECURITY - CONT.

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
- 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[®] with Automatic Collision Notification, Stolen Vehicle Location, Emergency Assist Button, and Enhanced Roadside Assistance (complimentary one-year trial subscription included)
- Vehicle theft-deterrent system

FACTORY OPTIONS

- 19-inch **triple split five-spoke** wheels with All-Season 235/55/VR19 tires
- High Intensity Discharge (HID) projector headlamps
- Heads-Up Display (AWD model only; Requires Navigation Package)
- Heated and ventilated front seats (Requires Premium Package)
- Intuitive Park Assist
- LED headlamps with headlamp washers
- Mark Levinson[®] Audio System with 15 speakers and DVD player (Requires Navigation Package)
- Pre-Collision System and Dynamic Radar Cruise Control (AWD model only; Requires Premium or Luxury Package)
- Towing hitch (AWD model only)
- Wood and leather-trimmed steering wheel and shift knob
- Premium Package
 - Driver seat memory - three settings (seat, steering wheel and mirrors)
 - **Power-folding electrochromic outside mirrors**
 - Leather-trimmed seats
 - One-touch open/close, tilt and slide moonroof
 - Rear armrest storage w/lid
 - **Roof rails**
- Luxury Package (Includes Premium Package contents plus the following equipment/ requires Navigation and Comfort Packages)
 - 19-inch triple split five spoke wheels
 - LED Headlamps
 - Smog-sensing Auto recirculation
 - Front seat power cushion extenders
 - Headlamp washers
 - Illuminated scuff plates (front only)
 - Semi-aniline leather-trimmed seating
 - Heated Wood and leather-trimmed steering wheel /shift knob
 - **Rear cupholder wood trim**



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- Comfort Package (Requires Premium or Luxury Package; and Xenon High Intensity Discharge (HID) projector headlamps or LED headlamps with headlamp washers)
 - Auto wipers (Rain-Sensing)
 - Heated and ventilated front seats
- Navigation Package (Requires Premium or Luxury Package)
 - Backup monitor
 - Bluetooth® hands free phone and automatic phonebook download capabilities
 - HDD Navigation (Generation 7 system)
 - **Lexus Enform 2.0® with Safety Connect®: Automatic Collision Notification, Stolen Vehicle Location, Emergency Assist Button (SOS), Enhanced Roadside Assistance, Destination Assist, eDestination and Enform Application Suite (One-year trial subscription included).**
 - Lexus Insider™
 - Remote Touch Navigation controller
 - 12 speaker Premium Audio System
 - **HD Radio with iTunes tagging**
 - Advanced voice command casual-language voice recognition system
 - SiriusXM NavTraffic, NavWeather, Sports, Stocks and Gas Prices (One-year trial subscription included)
 - Display Audio with backup camera Package–
 - 7-inch screen, backup camera, remote controller, HD radio w/iTunes tagging, advanced BT and 12 speaker premium audio system
- Dual-Screen Rear Seat Entertainment with Navigation (Includes Navigation Package/ Requires ML)
 - 120V AC outlet in rear passenger compartment
 - Audio/video inputs
 - Dual wireless headphones
 - DVD rear seat entertainment system with wireless remote control
- Towing Package (AWD only)
 - Heavy duty alternator and radiator
 - Transmission cooler
- **Sports Appearance Package**
 - **19-inch split 5--spoke wheel with Superchrome finish**
 - **F SPORT front bumper**