

# TEST DRIVE THE RX 400h SR

We hope to have conveyed in these pages the distinctive and exclusive nature of the RX 400h SR. But there's only one way to appreciate the individuality and pure driving pleasure this vehicle can offer, and that's to get behind the wheel and try it for yourself. Simply visit your local Lexus Centre to arrange a test drive. For more information and the location of your nearest Lexus Centre, please visit our website at [www.lexus.co.uk](http://www.lexus.co.uk) or call 0845 278 8888.

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#### END-OF-LIFE VEHICLES

Taking care of the environment is a major priority for Lexus. We are making a huge effort to ensure that during the life cycle of our vehicles - from design, production, distribution, sales and service to end-of-life - their environmental impact is minimised. Please visit [www.lexus.co.uk](http://www.lexus.co.uk) for detailed information on environmental performance.

Please note: while every effort is made to reproduce accurate information, we reserve the right to change specifications, equipment and availability without prior notice. The brochure cannot be regarded as infallible and as such does not constitute an offer for sale of the particular vehicle shown. The vehicle shown here is left-hand drive. Information in this brochure was correct at time of going to press.

The Lexus logo, consisting of the word "LEXUS" in a bold, sans-serif font next to a stylized "L" inside an oval.A close-up photograph of the front and rear of a silver Lexus RX 400h SR. The image shows the intricate details of the headlights and taillights, with a focus on the multi-lens design and the clear, polished surfaces. The car's body panels are highly reflective, showing highlights and shadows that emphasize its sleek, aerodynamic lines. The background is a soft, out-of-focus light blue, which makes the metallic surfaces of the car stand out.

## THE LEXUS RX 400h SR

The pursuit of perfection is the primary motivating force that drives Lexus to achieve new levels of excellence. It's at the core of everything we do, from our design and engineering standards, to our manufacturing processes, quality control and customer care.

We use technology and knowledge to refine and push the boundaries of intelligent luxury in the automotive industry. Perfection, however, is rarely, if ever, possible. That is why we have chosen it as our goal.

The pursuit of perfection means that we always seek to innovate, to offer the effortless performance, intuitive technology, peerless build quality and attention to detail that combine to give you the finest possible driving experience.

Our pursuit of perfection is shown in the RX 400h SR, an exclusive model that uses world-leading Lexus Hybrid Drive technology to deliver high performance, low fuel consumption and class-leading emissions.

'Through our own dedicated pursuit of perfection we have created a vehicle that gives astonishing performance combined with outstanding fuel consumption. We call it the "clean" SUV.'

OSAMU SADAKATA, HEAD OF LEXUS HYBRID DRIVE TECHNOLOGY



# REFINED LUXURY HYBRID POWER

The RX 400h – the world's first high-performance hybrid SUV – has always delivered exceptional power, breathtaking acceleration, low fuel consumption and reduced emissions. Now, the RX 400h SR offers further refinements.

## SOPHISTICATION AND PERFORMANCE

The RX 400h SR cleverly marries the sophistication of a luxury saloon with the practicality of an SUV. Its arresting profile, heightened by the silver roof rails and body-coloured rear spoiler, will most likely attract your attention first. But step inside and you'll begin to appreciate the world of detail within, from the functional, such as the eight-way adjustable leather seats, to the aesthetic, like the carefully considered aluminium or black wood trim. The optional Multimedia and Navigation package makes your journey more relaxing, by using voice command to control the navigation, Bluetooth® connectivity, air-conditioning and Mark Levinson® Reference Surround Sound audio system. The RX 400h SR partners a petrol engine with two electric motors to deliver seamless power and responsiveness. At the heart

of the vehicle is the innovative Lexus Hybrid Drive system, which intelligently applies power from both the engine and the electric motors.

## ELECTRONICALLY-CONTROLLED CONTINUOUSLY VARIABLE TRANSMISSION (E-CVT)

E-CVT has been designed to make best use of the petrol engine and electric motors. As you drive, E-CVT seamlessly blends an infinite number of gear ratios by combining planetary gears with a standard differential. The result is smooth acceleration and deceleration. Optimum efficiency is assured, in every driving condition, as power output is matched to the transmission at all times.

## START-UP

Under normal conditions, only the electric motors are used when the vehicle starts, moves off and travels at low speeds. This means zero emissions, for example, in stop-start town driving. When the vehicle accelerates, the batteries send power to the Power Control Unit (PCU). This then redirects power to the electric motors at the front and rear, allowing the RX 400h SR to move off smoothly in four-wheel-drive mode.

## NORMAL DRIVE (CRUISING)

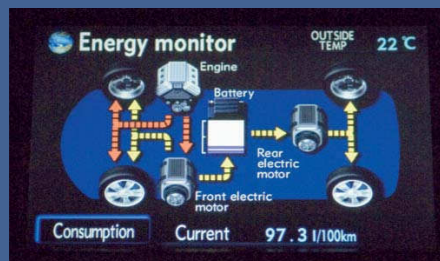
When cruising, the RX 400h SR switches to engine-powered front-wheel drive. When extra power is needed, the front electric motor activates while also acting as a generator that drives the motor. Power allocation is carefully managed and when there is a surplus it's used to maintain full charge in the batteries.

## ACCELERATION

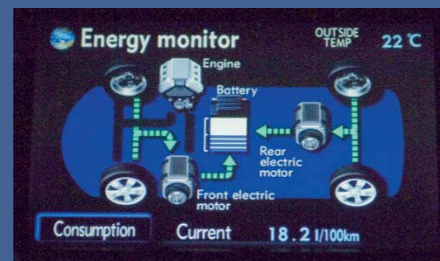
The V6 engine powers the vehicle as normal but, to give high acceleration, the electric motors support the engine, for instance, when you need to overtake. The engine also powers the generator, which redirects surplus power to the PCU. When accelerating, the vehicle switches to E-FOUR four-wheel-drive mode.

## DECELERATION

Kinetic energy that would otherwise be lost during braking is converted into electricity, which in turn is sent back to the batteries. This means you'll never have to worry about recharging them. For safe stopping power, the RX 400h SR goes into four-wheel-drive mode when decelerating.



ACCELERATION



DECELERATION

# FEATURES AND SPECIFICATIONS

## FEATURES

- A. 40:20:40 rear seat split
- B. Body-coloured rear spoiler
- C. Silver roof rails
- D. 18" 5-spoke alloy wheels



## INTERIOR COLOURS

Black leather with aluminium inserts

Optional grey leather with black Bird's Eye Maple wood

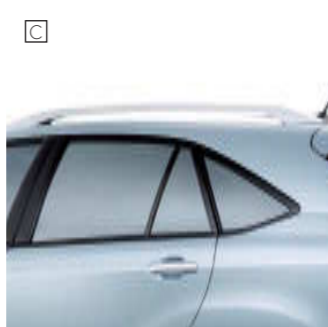
## EXTERIOR COLOURS

Tyrol Silver (1F7)

Cadoxton Slate (1G0)

Astral Black (202)

Brechin Slate (8R6)



## ENGINE AND TRANSMISSION

Valve mechanism	Variable Valve Timing with intelligence (VVT-i)
Cylinders/valves	V6/24
Capacity (cc)	3,311
Maximum torque (Nm@rpm)	288@4,400
E-FOUR (Electric four-wheel drive); Electronically-controlled Continuously Variable Transmission (E-CVT)	

## MOTORS

Front:	
Power (kW@rpm)	123@4,500
Torque (Nm@rpm)	333@0-1500
Maximum (rpm)	12,400
Maximum voltage (v)	650

Rear:	
Power (kW@rpm)	50@4,610-5,120
Torque (Nm@rpm)	130@0-610
Maximum (rpm)	10,752
Maximum voltage (v)	650

## ELECTRIC GENERATOR

Power (kW@rpm)	109@3,000
Maximum voltage (v)	650

## HIGH VOLTAGE BATTERY

Type	Nickel-metal hydride
Power (kW)	45
Voltage (v)	288

## SYSTEM

System output (kW/bhp)	200/268
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## PERFORMANCE

Maximum speed mph (km/h)	124 (200)
0-62mph/100km/h (s)	7.6

## FUEL CONSUMPTION\*

Urban mpg (l/100km)	31.0 (9.1)
Extra urban mpg (l/100km)	37.2 (7.6)
Combined mpg (l/100km)	34.9 (8.1)
Combined CO <sub>2</sub> emissions (g/km)	192
Emission compliance level	Euro IV
BIK Tax band (08/09)	23%

## BRAKES

Front	Ventilated discs
Rear	Solid discs

## SUSPENSION

Front and rear	MacPherson strut, coil springs
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## DIMENSIONS

Length (mm)	4,760
Width (mm)	1,845
Height (mm)	1,720
Wheelbase (mm)	2,720
Luggage compartment (m <sup>3</sup> )	0.439
Fuel tank capacity (l)	65
Gross vehicle weight (kg)	2,505

## SAFETY AND SECURITY

ABS (Anti-lock Braking System)
BAS (Brake Assist System)
TRC (Traction Control)
EBD (Electronic Brakeforce Distribution)
VSC (Vehicle Stability Control)
ECB (Electronically Controlled Braking)
EPS (Electric Power Steering)
VDIM (Vehicle Dynamics Integrated Management)
Driver and front passenger 2-stage airbags
Knee airbag (driver and front passenger)
TAP (Thorax, Abdomen, Pelvis) airbag (driver and front passenger)
Curtain shield airbag, front and rear
WIL (Whiplash Injury Lessening) front seats
ISOFIX attachment, rear seats
Seatbelt pre-tensioners, front and rear

## EXTERIOR

18" 5-spoke alloy wheels
Silver roof rails
Body-coloured rear spoiler
Outside rear-view mirror: electrically adjustable, heated, electro-chromatic (auto-dimming)
HID (High Intensity Discharge) dipped headlights with pop-up washers
LED (Light Emitting Diode) rear lights
Water-repellent front window glass
UV-cut and heat-insulating front door window

## INTERIOR

Leather upholstery
Electrically adjustable heated front seats (driver 8-way, passenger 8-way)
Aluminium trim
40:20:40 rear seat split
Optitron display with ECD (Electro Chromatic Device)
Inside rear-view mirror, electro-chromatic (auto-dimming)
Cruise control
Leather gearshift lever, leather steering wheel
Floor mats
Steering wheel operation for audio and phone
In-dash, single-slot 6-CD autochanger
Multi-Information Display in centre instrument cluster
One-touch power windows, front and rear
Electronic Climate Control with clean air filter
Separate driver/passenger temperature controls
12v accessory outlet, front and boot
Optional Multimedia and Navigation package (DVD-based navigation system; 7" VGA screen; Mark Levinson® Reference Surround Sound audio system [11 speakers; 6-DVD autochanger]; Bluetooth® connectivity**; Parking Assist Monitor)
Optional ICE (In-Car Entertainment) system

\*According to 93/11/EEC

\*\*Please check with your local Lexus Centre for details of mobile phone compatibility