

# THE NEW CT 200h

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The World's First  
Full Hybrid Luxury Compact



 LEXUS

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START THE QUIET  
REVOLUTION



## THE WORLD'S FIRST FULL HYBRID LUXURY COMPACT

The new CT 200h is a breakthrough car for tomorrow's forward thinking driver. Powered by Lexus Hybrid Drive, this beautiful 5-door Lexus delivers leading-edge Full Hybrid performance, combined with world-class CO<sub>2</sub> emissions and fuel efficiency. Underlining the car's environmental leadership, in EV (Electric Vehicle)

mode the new CT 200h will drive almost silently, using no fuel and emitting zero emissions. Dynamic and fun to drive, inside, the cabin offers all the award-winning quality, comfort, tranquillity and innovative technology you expect from a Lexus.







## TAKE TO THE STREETS, PEACEFULLY

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### CLASS-LEADING AERODYNAMICS

The unmistakably sleek shape of the new CT 200h reflects a car that is not only quiet to drive, but also one that handles with great precision and stability. The CT 200h's streamlined profile, tapered cabin sides and sculpted bumpers result in the most aerodynamic design in its class - which not only enhances fuel economy, but also reduces wind noise. Intelligent measures to improve aerodynamics are extensive: witness the car's near-flat underbody, rear diffuser for improved airflow management and rear window with integral winglets to minimise turbulence.

# CHANGE COMPLEX TO SIMPLE

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## L-FINESSE DESIGN

Reducing a complex form to its 'pure' state, our L-finesse (L = leading-edge) creative language allows Lexus designers to express dynamism with great subtlety and finesse - creating cars that are bold, forward-looking and deeply artistic in design. However, simplicity is far more complex than it appears at first sight. Look closer at the new CT 200h and intriguing design elements reveal themselves: the powerful and resolute new 'spindle-shaped' grille that is inspired by the pattern of air flowing over the car. Or the innovative LED headlights and daytime running lights designed to display the Lexus arrowhead signature.









## DEMONSTRATE FULL HYBRID INTELLIGENCE

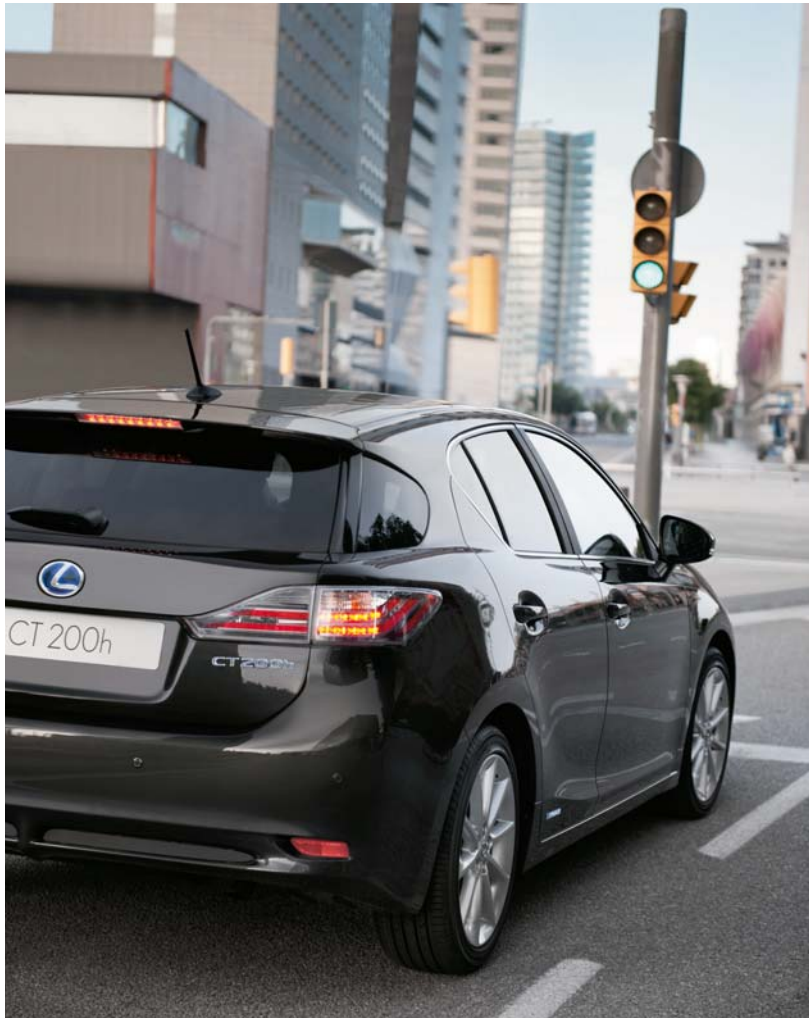
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### LEXUS HYBRID DRIVE

The new CT 200h Full Hybrid luxury compact offers both leading-edge environmental performance and exceptional driving pleasure. This is made possible by second-generation Lexus Hybrid Drive, which combines an innovative 1.8-litre Atkinson Cycle petrol engine with a high-output electric motor and an advanced compact battery. Working seamlessly together, these two power sources provide a combined output of 100 kW. Delivering exceptional fuel efficiency and emitting class-leading low emissions, the CT 200h is great fun to drive. When accelerating, you experience astonishingly smooth linear power. Or in EV (Electric Vehicle) mode you drive in near silence, emitting zero emissions.

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# HOW DOES LEXUS HYBRID DRIVE WORK ?



## START UP, DRIVING OFF

When starting off, the electric motor can propel the CT 200h up to 45 km/h, with electric power being supplied from the hybrid battery. At this point the vehicle is almost silent, uses no petrol and produces zero emissions.



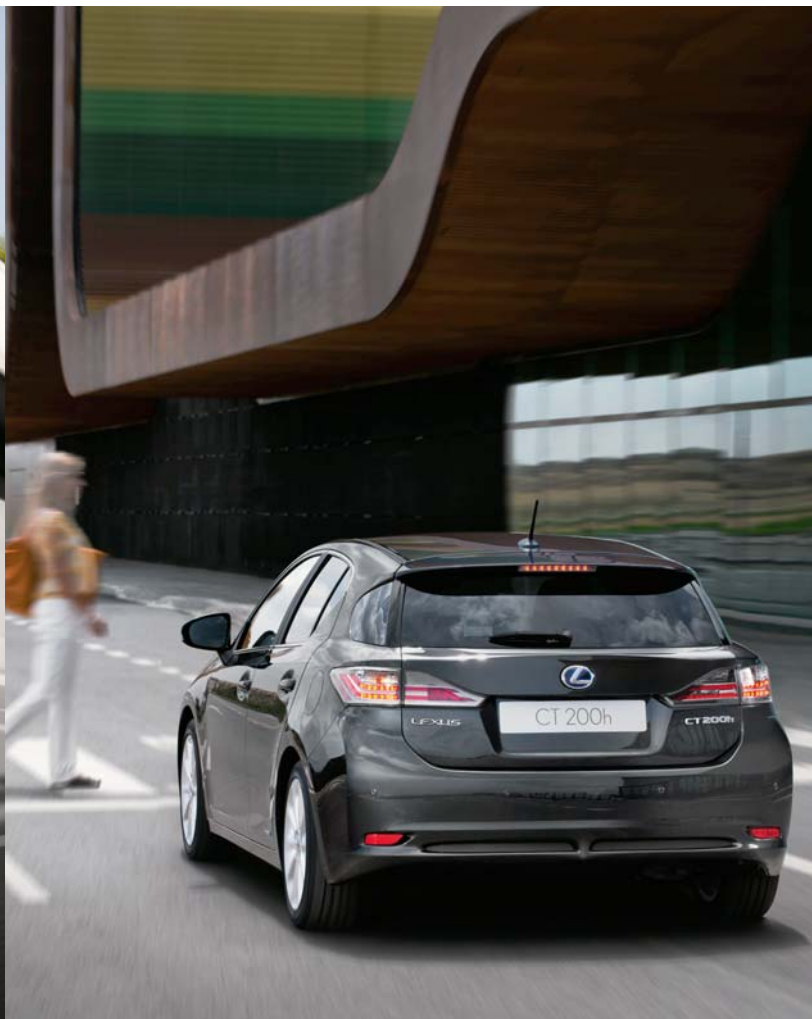
## NORMAL DRIVING CONDITIONS

At speeds above 45 km/h the advanced petrol engine cuts in, almost silently, but still receives assistance from the electric motor when required. Through the near perfect distribution of its dual power sources, the CT 200h provides exceptional driving comfort - together with lower emissions and lower fuel consumption.



#### FULL THROTTLE ACCELERATION

Accelerate powerfully and the 60 kW electric motor instantaneously supplements the 1.8-litre petrol engine. This delivers a surge of torque to provide powerful linear acceleration precisely when you need it.



#### DECELERATION, STOPPING, BRAKING

When decelerating or coming to a halt, the petrol engine turns off, cutting emissions to zero. Brake, or take your foot off the accelerator, and the regenerative braking system harnesses the kinetic energy lost in other cars. It converts this into electrical energy for storage in the hybrid battery, which is one reason why you never need to recharge a Lexus Full Hybrid.



## ECO MODE

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### RELAXING ENVIRONMENTAL PERFORMANCE

With the drive mode selector on the centre console you can easily adjust the CT 200h to match your driving mood: select EV (Electric Vehicle) mode and Lexus Hybrid Drive provides an almost silent drive up to 45 km/h, using no petrol and emitting zero CO<sub>2</sub> or NO<sub>x</sub>. For a smooth and relaxing drive, ECO and NORMAL modes use the petrol engine to achieve higher speeds and blend in electric power to ensure strong environmental performance. CO<sub>2</sub> emissions of just 89 g/km can be achieved. And in EV, ECO and NORMAL mode the instruments and cabin lighting take on a blue colour, while the ecometer helps you drive more efficiently.



## SPORT MODE

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### EXCITING SPORTS DRIVING

If you're in the mood for a dynamic drive, select SPORT mode and the CT 200h immediately retunes the throttle input for more direct acceleration, increasing battery power from 500 to 650 volts. SPORT mode also adjusts the Electric Power Steering, Vehicle Stability Control and Traction Control for a more lively drive. You'll also notice how the ecometer transforms to a tachometer to display engine revs - and how the instruments and overhead cabin lighting turn a sporty red.

# EXERCISE YOUR RIGHT TO ENJOY

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## ADVANCED DRIVING DYNAMICS

The CT 200h is a joy to drive. Behind the wheel you'll experience a real sense of connectedness to a car that is beautifully balanced and very agile. Responses are precise and predictable, thanks to an incredibly strong chassis, low centre-of-gravity and the extensive use of aluminium components. Sports handling is delivered by double-wishbone rear suspension, while Electric Power Steering ensures responsive and precise control. And for a safe and rewarding drive, Vehicle Stability Control is fitted as standard. Optional race inspired 'performance dampers' improve handling and comfort even further.









## A POSITION OF INFLUENCE

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### OUTSTANDING CABIN REFINEMENT

Complementing its exceptional environmental performance, the CT 200h is set to rewrite benchmarks for compact class ergonomics and refinement. In the perfectly positioned driver's seat, you'll soon notice how the modern cockpit surrounds you in a comforting way. Front sports seats ensure excellent lateral support while cornering, and intelligent seat frame shaping gives rear passengers more legroom. Everything you touch communicates the car's unmistakable quality, from the leather-covered steering wheel to the soft touch leather that juxtaposes with finely crafted metal details. Finally, extensive sound insulation - much of which is bio-sourced - ensures class-leading peace and comfort.





## DRIVE CHANGE

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### REMOTE TOUCH

The CT 200h intuitively anticipates your needs, using 'human-centred engineering' to make you feel effortlessly at home. Take, for example, the car's award-winning\* Remote Touch device on the central console that is used to control the 7-inch display screen on the dashboard. This revolutionises the way you interact with Mark Levinson® or Panasonic® sound systems, Electronic Climate Control and Full Map Navigation. Remote Touch is as easy to use as a computer mouse. For instance, when the pointer comes close to an icon, it is automatically pulled towards it by a gentle sensory reaction force. Click ENTER and the command is completed.

\* Remote Touch won a coveted award from the prestigious 2010 iF International Forum Design in Hanover, Germany





## LUXURY WITHOUT COMPROMISE

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### LEXUS TAKUMI CRAFTSMANSHIP

In the CT 200h, quality is everywhere: exquisitely finished leather, beautifully grained bamboo inserts grown on sustainable plantations, flawless paintwork. To be built at our award-winning Lexus 'Eco Factory' at Kyushu in Japan, which was carefully planned to reduce the environmental impact of plant and processes, the CT 200h will excel with its finish and refinement. Production will be performed by highly skilled teams, overseen by Lexus 'Takumi' Master Craftspeople. On completion, every car will be checked for smoothness in our 'Quiet Dome' facility, before undergoing a comprehensive final test drive.



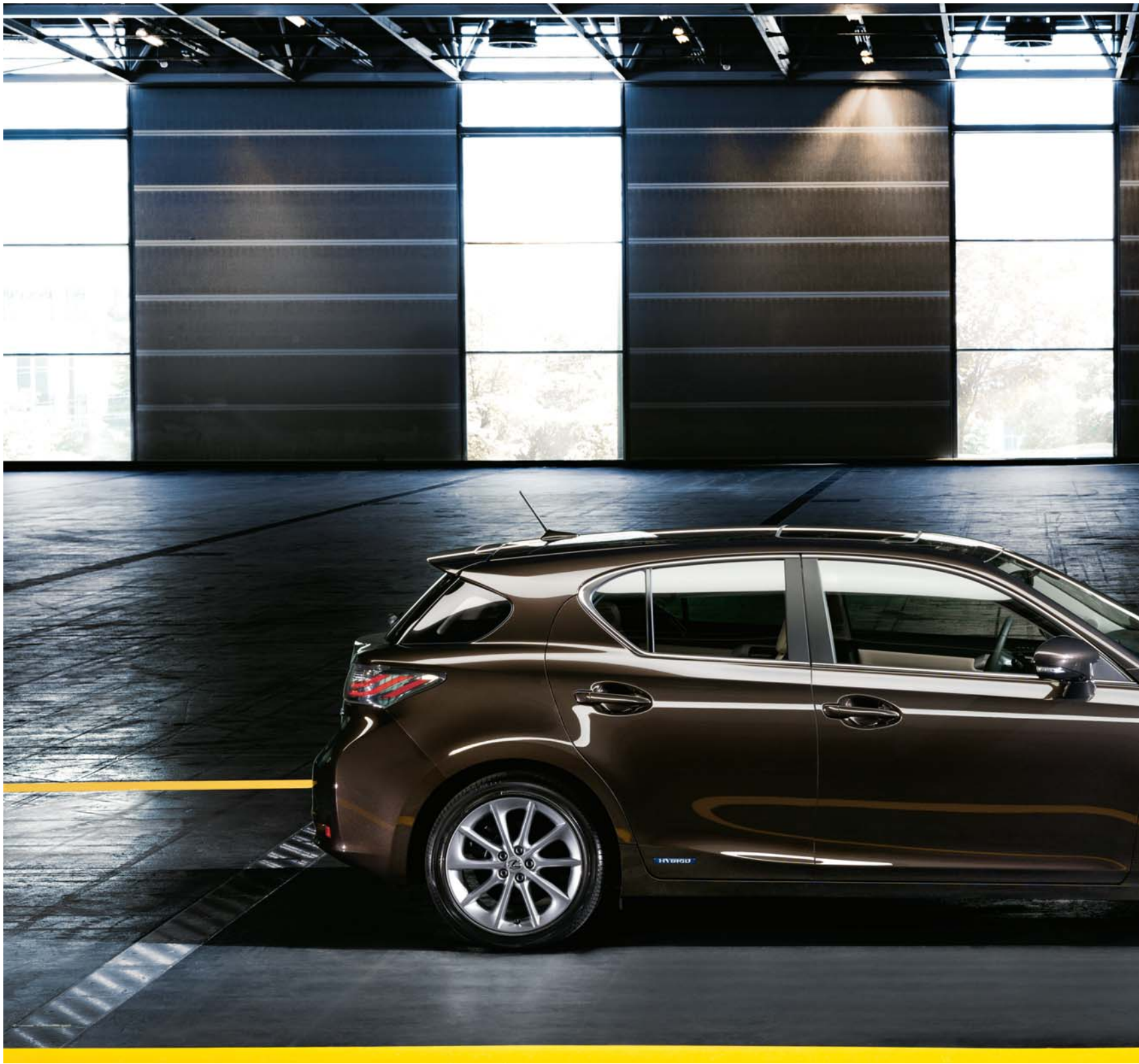
# RADICAL THINKING

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## PRE-CRASH SAFETY

A first for this class of car, the CT 200h can be equipped with our breakthrough Pre-Crash Safety system (PCS). Using millimetre-wave radar to detect objects ahead, and combining this with real time vehicle dynamics, the PCS computer constantly assesses collision risk. If a high-risk is calculated, it alerts the driver and then activates Pre-Crash Brake Assist to provide increased brake pressure. If a collision is subsequently deemed unavoidable, PCS engages Pre-Crash Brake to help reduce the collision force. Finally, the Pre-Crash Seatbelt is activated, which automatically tensions both front seatbelts in the instant before impact.







# STRENGTH IN SILENCE

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## CLASS-LEADING SAFETY PERFORMANCE

Engineered to meet world-class safety standards, and featuring an energy absorbing body frame, the CT 200h is an extremely safe car. Fitted with eight airbags, sensors react to impact intensity in the event of a collision and activate dual-stage driver/front passenger airbags and front side airbags. Front seat passengers also benefit from knee airbags, while curtain shield airbags protect front and rear doorside passengers. For extra protection, front Whiplash Injury Lessening seats help decrease neck motion in a rear end collision, and impact absorbing pads in the front footwells help reduce ankle injuries.

# TECHNICAL DATA

## ENGINE

Capacity (cm <sup>3</sup> )	1798
Cylinders/valves	L4/16
Valve mechanism	VVT-i
Fuel type	Petrol, 95 octane or +
Max. power (kW / hp @ rpm)	73 / 99 @ 5200
Max. torque (Nm @ rpm)	142 @ 4000

## TRANSMISSION

Driven wheels	Front-Wheel Drive
Transmission	Electronic-Continuously Variable Transmission (E-CVT)

## HYBRID DRIVE

Maximum system output (kW / hp)	100 / 136
Electric motor	
- Type	AC synchronous, permanent magnet
- Maximum output (kW)	60
- Maximum torque (Nm)	207
Electric generator	
- Type	AC synchronous, permanent magnet
- Voltage (V)	650
High voltage battery	
- Type	Nickel-Metal Hydride (Ni-MH)
- Voltage (V)	201.6

## PERFORMANCE

Max. speed (km/h)	180
0-100 km/h (s)	10.3

## FUEL CONSUMPTION (l/100 km)

Combined	from 3.8
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## CO<sub>2</sub> EMISSIONS (g/km)

Emissions level	Euro V
Combined	from 89

## BRAKES

Front	Ventilated discs
Rear	Solid discs

## SUSPENSION

Front	MacPherson strut, coil springs
Rear	Double wishbone

## STEERING

Type	Rack and pinion with Electric Power Steering (EPS)
Turns (lock to lock)	2.7

## WEIGHTS (kg)

Gross vehicle weight	1790 - 1845
Kerb weight (min.-max.)	1370 - 1410

## DRAG COEFFICIENT

Cd value	0.28
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## CAPACITIES (l)

Fuel tank	45
Luggage compartment*	
- rear seats upright	375
- rear seats folded down	985

\* Calculated as per the VDA method on a vehicle specified with tyre repair kit. All figures quoted include the under floor storage area in the luggage compartment.

Please note: the information presented is based on manufacturer's preliminary data which is subject to change without notice. Please consult your local Authorised Lexus Retailer and/or [www.lexus.eu](http://www.lexus.eu) for information updates.



# EXTERIOR COLOURS

WHITE PEARL (077 CS)



DARK GRANITE (1G0 MC)



HAKUREN SILVER (1G1 MM)



BLACK (212 S)\*



DARK OPAL (214 MC)



MORELLO RED (3R1 CS)



SIENNA BROWN (4V3 MM)



SOLAR YELLOW (5B1 MM)



ULTRASONIC BLUE (8U1 ME)



SILVERY BLUE (8U9 ME)



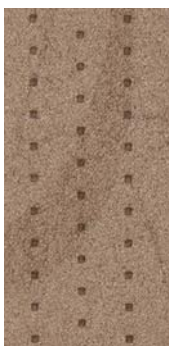
# INTERIOR COLOURS

## FABRIC

Panther Black



Silk Ivory



Abyss Blue



Lava Red



Autumn Brown



## LEATHER

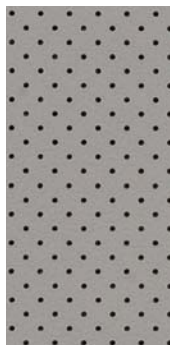
Black



Ivory



Venaro Grey



## INLAYS

Storm black



Brown ash burl wood



Tropical bamboo



Carbon graphite





# CT 200h FULL HYBRID TECHNOLOGY



## LEXUS HYBRID DRIVE

Lexus Full Hybrid technology intelligently combines a 1.8-litre petrol engine, high-output electric motor, advanced compact battery and seamless hybrid transmission. The result: smooth, refined performance with excellent fuel economy and very low emissions.



## CLASS-LEADING LOW EMISSIONS

Lexus Hybrid Drive produces significantly fewer harmful emissions - CO<sub>2</sub>, CO, NO<sub>x</sub> and HC - than non-hybrid vehicles of comparable size and performance. Innovative Exhaust Gas Recirculation and Exhaust Heat Recovery further contribute to class-leading environmental performance.



## DRIVE MODE SELECTOR

The CT 200h has four selectable drive modes. EV mode provides whisper quiet, emission-free progress purely using electric power. ECO and NORMAL modes combine petrol and electric power for relaxed higher speed driving. SPORT mode delivers a more dynamic driving experience.



## EV (ELECTRIC VEHICLE) MODE

The Full Hybrid technology developed by Lexus is the most advanced available today. Unlike mild hybrids, the CT 200h can run on electric power alone at speeds up to 45 km/h. Zero emissions are created, no fuel is used and progress is near silent.



## POWER FLOW MONITOR

The power flow animations on the 7" display screen demonstrate the enormous flexibility of Lexus Hybrid Drive. The Power Control Unit constantly optimises the allocation of electric and/or petrol power, while also ensuring the battery is always charged.

# CT 200h DESIGN AND INNOVATION



## ALLOY WHEELS

The 15" alloy wheels ensure the best fuel economy and lowest emissions due to their compact design and narrower tyres. 16" alloy wheels add an extra element of refinement. The sport design 17" alloy wheels, fitted with low profile tyres, create a more dynamic appearance and improve cornering performance.



## LED HEADLIGHTS

Low-beam Light Emitting Diode (LED) headlights are available for the first time on a luxury compact car. LEDs use less energy, last longer and react more quickly than conventional bulbs and are also used in the daytime running lights. The CT 200h has a total of 89 LEDs - more than any other compact car.



## INTEGRAL ROOF SPOILER

Every element of the CT 200h has been designed to enhance aerodynamic performance. And the wraparound rear window and integral roof spoiler are no exception. These help smooth airflow around the back of the car, which reduces turbulence and thereby wind noise.



## AERODYNAMIC DOOR MIRRORS

Inspired by the racing mirrors on our LFA supercar, these are compact and aerodynamic. Composed of an upper and a lower section incorporating an integral turn signal indicator, the two-tone colouring of the housing accentuates the streamlined design.



## PRE-CRASH SAFETY (PCS)

PCS uses millimetre-wave radar and an on-board computer to calculate collision risk ahead. If the risk is high it alerts the driver using audible and visual warnings and increases brake-pressure. If impact is unavoidable PCS can apply the brakes and tightens the front seatbelts.

# CT 200h ADVANCED EQUIPMENT



**MARK LEVINSON®**  
The 13-speaker Mark Levinson® Premium Surround system is tailored to the specific acoustic properties of the CT 200h's cabin. Delivering 7.1-channel digital surround sound, this advanced system provides a home-theatre-style experience for enjoying music and watching DVDs.



**BLUETOOTH® AND USB PORT**  
The CT 200h features Bluetooth® mobile phone connectivity along with a USB port to connect to a variety of media players, including an iPod®. Once connected via Bluetooth® you can operate your mobile phone using steering wheel controls.



**PANASONIC® AUDIO**  
The CT 200h can be specified with a choice of 6- or 10-speaker Panasonic® audio systems, which deliver remarkable sound clarity. Highly innovative, they feature bamboo charcoal resin speaker diaphragms for improved performance and recyclability.



**REMOTE TOUCH**  
Award-winning Remote Touch revolutionises the way you interact with the new CT 200h. Shaped to fit comfortably in your hand, it reacts intuitively to driver or front seat passenger commands, and is as easy to use as a computer mouse.



**ADVANCED NAVIGATION**  
Hard Disk Drive navigation is fast, user-friendly and offers a variety of mapping options. The display screen can be used for many other applications e.g. controlling audio or climate, monitoring vehicle and hybrid data or as a Parking Assist Monitor.



**PARKING ASSIST MONITOR**  
The Parking Assist Monitor uses a camera to relay the view behind the CT 200h onto the 7" display screen. On-screen guidelines help you park. Alternatively, the same images can be shown on a small monitor within the rear-view mirror.

# CT 200h ADVANCED EQUIPMENT



## SPORTS STEERING WHEEL

The high-grip leather sports steering wheel is extremely tactile and utilises design elements from the LFA supercar. It also integrates switches to control audio and mobile phone, so you can keep your hands on the wheel for more of the time.



## ELECTRONIC CLIMATE CONTROL

The powerful, dual zone electronic climate control can rapidly cool or warm the interior of the CT 200h. Uniquely, the system can be powered exclusively by the hybrid battery, without the engine running.



## SPORTS SEATS

Meticulously constructed, the sculpted front sports seats provide increased lateral support and improve the sense of driver connectedness. Yet they remain comfortable on even the longest journeys.



## REAR SEAT COMFORT

The long wheelbase, wide stance and extended roof line ensures ample leg, elbow and head room for all rear passengers. The outer seats are contoured for improved comfort and all seats have a 3-point seatbelt.



## REAR SEAT FLEXIBILITY

The rear seats can be folded down individually (60:40) or together. Heavy objects can be secured via tethering points and an extra compartment, concealed beneath the cargo floor, is useful for hiding away valuable items.



## LUGGAGE SPACE

With the rear seats upright there is enough luggage space for two large suitcases or two golf bags. Folding down the rear seats creates a virtually flat storage area and more than doubles the load capacity - ideal for bulkier items.



# EXPERIENCE THE NEW CT 200h

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The only way to truly understand what makes Lexus cars so special is to drive one yourself. Please contact your nearest Lexus Authorised Retailer or national Lexus website to arrange a test drive of the CT 200h.

[www.lexus.eu](http://www.lexus.eu)

