

Lexus CT 200h Abridged

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CHAPTER 0: ABRIDGED

The new CT 200h represents the synthesis of five key Lexus attributes which offer customers an unprecedented experience in premium compact motoring: Lexus Hybrid Drive and the extremely rigorous set of development standards known as the Lexus MUSTs; a unique driving character; the dynamic yet elegant styling inherent in the latest realization of Lexus' L-finesse design philosophy; Lexus' outstanding manufacturing quality and attention to detail; and the renowned customer service which lies at the heart of the Lexus ownership experience.

Lexus Hybrid Drive Powertrain

The CT 200h's Lexus Hybrid Drive features a unique energy management system. Through the application of brand-specific engineering solutions and software tuning, Lexus engineers have focused on enhancing both the environmental and driving performance of the full hybrid series/parallel system, as well as its low NVH levels.

With a total system output of 134 hp (100 kW), the CT 200h will accelerate seamlessly from 0-60 mph in 9.8 seconds. Conversely, the CT 200h boasts remarkably low fuel consumption – a combined EPA estimated fuel economy rating of 42 mpg.

Lexus Hybrid Drive generates significantly less NOx and zero particulate emissions compared to an equivalent diesel engined vehicle. Moreover, when operating in a switchable EV mode, it generates zero NOx and particulate emissions, driving for up to one mile at speeds of up to 28 mph.

Further enhancing the Lexus Hybrid Drive system's outstanding environmental credentials, the CT 200h incorporates numerous additional energy saving and environmentally-conscientious measures. These include LED lighting, an energy-efficient audio system amplifier and bamboo charcoal speakers, and the use of bio-sourced materials.

Dynamic Package

With a highly-focused driver's environment, the new Lexus CT 200h has been developed to combine superior handling and a dynamic driving experience with the ride comfort expected of any Lexus.

Key to the new premium compact full hybrid's sporting driving experience is its highly focused driver's cockpit. It features a low driver's seat with enhanced lateral and lumbar support, a sporting, wide grip steering wheel and a driver-focused instrument binnacle housing large, high-visibility, triple dials.

The CT 200h benefits from a highly modified existing platform incorporating numerous, exclusively developed body, chassis and powertrain control system engineering applications designed to offer customers a choice of two distinct driving moods – Dynamic, or Relaxing – in conjunction with the full hybrid's EV, ECO, NORMAL and SPORT, 'on-demand' drive modes.

Particular attention has been paid to promoting superior handling stability through the high structural rigidity of the bodyshell, a low center of gravity and the minimizing of the yaw inertia moment through the use of an aluminum hood, tailgate and bumper reinforcements.

Introduced for the first time on a Lexus in this segment, a unique lateral performance damper system has been designed to help absorb and minimize body vibrations, giving a linear steering feel and further enhanced ride

comfort.

The Lexus CT 200h features a bespoke suspension design which combines a proven, MacPherson strut front system with a new, fully-independent double wishbone architecture to the rear, offering superior levels of ride comfort, handling and package efficiency.

Design

The Lexus CT 200h introduces a powerful new evolution of Lexus' unique L finesse design philosophy to the heart of the premium compact segment.

Marrying refined elegance to sporting dynamism, the CT 200h has a highly distinctive, sharp-edged, resolute appearance, generating a unique aura which immediately sets it apart from segment rivals. With a powerful new Lexus frontal design, sweeping lines which mimic the natural flow of wind over and around the bodywork and a purposeful, wide track stance, the new full hybrid is the perfect expression of compact precision and power.

The CT 200h's efficient and elegant cabin combines superior ergonomics, advanced Human/Machine Interface technologies and spacious passenger accommodation with hand-crafted feel, premium quality materials to create an outstandingly refined driving environment.

Its efficient package enables front and rear seat passenger accommodation that is spacious and a 14.3 cu. ft. luggage capacity is comparable to any vehicle its size.

Safety

The new premium compact full hybrid is equipped with a comprehensive range of active, passive and pedestrian impact safety features in the entry luxury segment.

The CT 200h offers an optional pre-emptive, Pre-Collision Safety system incorporating Adaptive Cruise Control. Eight airbags including driver and front passenger knee airbags and Whiplash Injury Lessening (WIL) front seats are fitted as standard, and an upgraded Electronically Controlled Braking-Regeneration system (ECB-R) incorporates Anti-Lock brakes (ABS), Brake Assist (BA), Traction Control (TRAC) and Vehicle Stability Control (VSC) and a hybrid version of the brake override system, Smart Stop Technology.