

## Lexus announces segment-leading CO<sub>2</sub> emissions and power efficiency for the new GS 450h

- Second generation Lexus Hybrid Drive technology delivers rapid, smooth acceleration matched by strong environmental performance.
- CO<sub>2</sub> emissions as low as 137 g/km, beating initial projections
- Industry-leading power efficiency index of 2.5 hp per gram of CO<sub>2</sub>

Final homologation testing has confirmed the new GS 450h's leading position in terms of CO<sub>2</sub> emissions, with an outstanding result of 137g/km, lower than any diesel or hybrid competitor vehicle with comparable power in the E premium segment.

### Second generation Lexus Hybrid Drive system

The new GS 450h comes with the second generation Lexus Hybrid Drive system, powering the rear wheels through the combination of a 3.5 litre petrol V6 and a compact, water cooled electric motor. The petrol engine uses Atkinson cycle technology combined with Lexus' next generation D-4S fuel injection know-how to attain optimal engine efficiency.

This new system delivers impressive environmental performance alongside a power output of 343 horsepower. Compared to the outgoing model, fuel consumption has been reduced by more than 23% to only 5.9 litres per 100km and CO<sub>2</sub> emissions have dropped to only 137g, with further reductions in NO<sub>x</sub> and particulate matters (PM) emissions.

The combination of high power output and low CO<sub>2</sub> makes the new GS 450h the leading performer in terms of power output per gram of CO<sub>2</sub> - across all comparable conventionally-fuelled vehicles, with a power efficiency ratio of 2.50 hp per gram of CO<sub>2</sub>.

With 343hp available, speed and acceleration in the GS 450h are as good or better than one might expect from a V8 engine, but with the fuel efficiency of a 4-cylinder. The new GS 450h can accelerate from 0-100km/h in 5.9 seconds and achieve an artificially-limited top speed of 250km/h.

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### About Lexus

Launched in 1989, Lexus has become renowned throughout the world for its pursuit of perfection, the outstanding quality and sophisticated high-technology content of its products, and for its unique concept of complete customer service.

Further reinforcing the traditional Lexus values of unparalleled build quality, interior luxury and state-of-the-art technology, the L-finesse design philosophy represents a highly significant factor in positioning Lexus as a uniquely desirable global brand.

Today, Lexus remains the first - and only - premium automotive manufacturer to offer a comprehensive full-hybrid model range comprising the RX 450h, the GS 450h, the LS 600h and the CT 200h. In Europe, models featuring Lexus Hybrid Drive account for over 60% of all Lexus sales.