

## LEXUS GS 450h TECHNICAL SPECIFICATIONS

<b>HYBRID SYSTEM</b>		
Type	Series/parallel, full hybrid	
Combined power (bhp)	335	
<b>ENGINE</b>		
Engine code	2GR-FSE	
Type	60-degree V6 DOHC, longitudinally mounted	
Valve mechanism	4 valves per cylinder, chain drive, Dual VVT-I	
Bore x stroke (mm)	94.0 x 83.0	
Displacement (cc)	3,456	
Compression ratio (:1)	11.8	
Fuel system	D-4S Direct injection, two injectors per cylinder	
Fuel type	95 octane petrol, or higher	
Max. power (bhp @ rpm)	292 @ 6,400	
Max. torque (Nm @ rpm)	368 @ 4,800	
<b>ELECTRIC MOTOR</b>		
Type	AC synchronous, permanent magnet	
Max. power (bhp)	197	
Max. torque (Nm)	275	
Voltage (V)	650	
<b>ELECTRIC GENERATOR</b>		
Type	AC synchronous, permanent magnet	
Voltage (V)	650	
<b>TRANSMISSION</b>		
Type	E-CVT, two-stage, longitudinal, rear-wheel drive	
2-speed motor reduction gear ratios	Low	3.900
	High	1.900
Differential type	Hypoid gear, limited slip	
Final gear ratio	3.266	
<b>HIGH VOLTAGE BATTERY</b>		
Type	Nickel Metal-Hydride (Ni-MH)	
Number of cells	240 (6 x 40 modules)	
Voltage (V)	288	
Capacity (Ah)	6.5	
<b>PERFORMANCE</b>		
0-62mph (sec)	5.9	
50-75mph (sec)	4.7	
Maximum speed (mph)	155	
<b>FUEL ECONOMY/EMISSIONS</b>		
Urban (mpg)	31.0	
Extra urban (mpg)	40.4	
Combined (mpg)	36.7	
CO <sub>2</sub> emissions (g/km)	180 (SE 179)	
Nitrogen oxides (Nox, g/km)	0.00	
Hydrocarbons (HC, g/km)	0.01	
Carbon monoxide (CO, g/km)	0.10	
VED band	I	
<b>DIMENSIONS &amp; CAPACITIES</b>		

Overall length (mm)	4,850
Overall width (mm)	1,820
Overall height (mm)	1,430
Wheelbase (mm)	2,850
Track – front (mm)	1,535
Track – rear (mm)	1,540
Overhang – front (mm)	880
Overhang – rear (mm)	1,120
Luggage compartment capacity (l)	330
Fuel tank capacity (l)	65
<b>WEIGHTS</b>	
Kerb weight (min. – max. kg)	1,865 – 1,930
Gross vehicle weight (kg)	2,355
Towing capacity – braked (kg)	2,000
Towing capacity – unbraked (kg)	750
Max. roof load (kg)	75
<b>SUSPENSION</b>	
Front	Double wishbone
Rear	Multilink
Shock absorbers	Gas filled, monotube
Additional features	Adaptive Variable Suspension (AVS)
<b>BRAKES</b>	
Front (diameter x thickness, mm)	334 x 30 ventilated discs
Rear (diameter x thickness, mm)	310 x 18 ventilated discs
Additional features	Electronically Controlled Braking (ECB) Vehicle Dynamics Integrated Management (VDIM) Hill-start Assist Control (HAC) Regenerative brake system
<b>STEERING</b>	
Steering gear type	Rack and pinion Electric Power Steering
Ratio	11.5-17.2
Turns lock-to-lock	2.7-3.7
Minimum turning radius – tyre (m)	5.2
<b>WHEELS AND TYRES</b>	
Wheels	Alloy 18x8J
Tyres	245/40 R18

## ENDS

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