

## LEXUS GS TECHNICAL SPECIFICATIONS

<b>ENGINE</b>	<b>GS 300h</b>	<b>GS 450h</b>
Type	4 cylinders in-line, Atkinson cycle	6-cylinder 60- degree V, Atkinson cycle
Valve mechanism	16-valve DOHC, dual VVT-i	24-valve DOHC with dual VVT-i
Bore x stroke (mm)	90.0 x 98.0	94.0 x 83.0
Displacement (cc)	2,494	3,456
Compression ratio	13.0:1	
Fuel system	EFI, D-4S direct injection	
Max. power (bhp/kW @ rpm)	178/133 @ 6,000	288/215 @ 6,000
Max. torque (Nm @ rpm)	221 @ 4,200-5,400	352 @ 4,500
<b>ELECTRIC MOTOR/GENERATOR</b>		
Motor type	Permanent magnet, synchronous	
Max. voltage (V)	650	
Max. output (bhp/kW)	141/105	197/147
Max. torque (Nm)	300	275
<b>HYBRID BATTERY</b>		
Battery type	Nickel-metal hydride	
Nominal voltage (V)	230.4	288
Number of cells	192	240
<b>LEXUS HYBRID DRIVE SYSTEM</b>		
System type	Series/parallel full hybrid	
System output (bhp/kW)	220/164	341/254
<b>TRANSMISSION</b>		
<b>Type</b>	E-CVT	
Low	3.333	3.900
High	3.333	1.900
Differential	2.764	3.266
<b>PERFORMANCE</b>		
	<b>GS 300h</b>	<b>GS 450h</b>
Max. speed (mph)	119	155
Max. speed in EV mode (mph)	46.0	24.9
Max. range in EV mode (miles)	0.62	0.62
Acceleration 0 – 62mph (sec)	9.0	5.9

<b>STEERING</b>		<b>GS 300h</b>			<b>GS 450h</b>	
Type		Electric power steering, rack & pinion; Variable Gear Ratio Steering on GS 450h F Sport				
Steering gear ratio		13.2:1			10.3 – 12.0:1 with VGRS	
Turns lock to lock		2.8			2.2 – 2.6 with VGRS	
Min. turning radius (tyre, m)		5.3			5.3	
Min. turning radius (body, m)		5.6			5.6	
<b>BRAKES</b>		<b>GS 300h</b>			<b>GS 450h</b>	
Brake type – front		Ventilated discs				
Brake type – rear		Ventilated discs				
Brake size – front (diameter x thickness, mm)		334 x 30			334 x 30 (Luxury) 356 x 30 (F Sport & Premier)	
Brake size – rear (diameter x thickness, mm)		310 x 22			310 x 18 (Luxury) 310 x 22 (F Sport & Premier)	
Parking brake		Electric, automatic				
<b>FUEL CONSUMPTION, EMISSIONS &amp; INSURANCE</b>		<b>GS 300h</b>			<b>GS 450h</b>	
		<b>17in wheel</b>	<b>18in wheel</b>	<b>19in wheel</b>	<b>18in wheel</b>	<b>19in wheel</b>
Fuel consumption (mpg)	Combined	64.2	57.6	56.5	46.3	45.6
	Urban	61.4	56.5	56.5	42.2	40.9
	Extra-urban	65.7	58.9	57.6	51.4	49.6
CO <sub>2</sub> emissions (g/km)	Combined	104	113	115	141	145
	Urban	107	117	117	156	159
	Extra-urban	101	110	113	129	132
Insurance groups		26E – 28E			40E	
<b>DIMENSIONS – EXTERIOR</b>		<b>GS 300h</b>			<b>GS 450h</b>	
Overall length (mm)		4,880				
Overall width – mirrors folded (mm)		1,840				
Overall height (mm)		1,455				
Wheelbase (mm)		2,850				
Front track (mm)		1,575				

Rear track (mm)	1,590	
Front overhang (mm)	900	
Rear overhang (mm)	1,130	
Coefficient of drag (Cd)	0.26	0.27
<b>DIMENSIONS – INTERIOR</b>	<b>GS 300h</b>	<b>GS 450h</b>
Cabin length (mm)	2,050	
Cabin width (mm)	1,535	
Cabin height (mm)	1,180 1,140 (with sunroof)	
Load space capacity – above deck (l)	450	450
Load space height (mm)	517	
Load space width (mm)	947	
Fuel tank capacity (l)	66	
<b>WEIGHTS</b>	<b>GS 300h</b>	<b>GS 450h</b>
Kerb weight (min. – max. kg)	1,730 – 1,770 Executive Edition 1,735 – 1,830 other grades	1,825 – 1,920
Gross vehicle weight (kg)	2,235 Executive Edition 2,265 other grades	2,305
Towing capacity – braked (kg)	500 (not permitted with Executive Edition)	1,500
Towing capacity – unbraked (kg)	Not permitted	750

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