

GS Technical Specifications

Major Dimensions & Vehicle Weights

			GS 450h	GS 300h	
Overall (Kerb Weight)	Length	mm	4880	4880	
	Width	w/ Folded Mirror	mm	1840	1840
		w/ Mirror	mm	-	-
	Height	mm	1455	1455	
Wheelbase (Kerb Weight)		mm	2850	2850	
Tread (Kerb Weight)	Front	mm	1575	1575	
	Rear	mm	1590	1590	
Effective Head Room	Front	mm	985, 965 * ¹	985, 965* ¹	
	Rear	mm	960	960	
Effective Leg Room	Front	mm	1075	1075	
	Rear	mm	935	935	
Shoulder Room	Front	mm	1455	1455	
	Rear	mm	1415	1415	
Hip Room	Front	mm	1385	1385	
	Rear	mm	1375	1375	
Interior	Length	mm	2050	2050	
	Width	mm	1535	1535	
	Height	mm	1180, 1140* ¹	1180, 1140* ¹	
Couple Distance		mm	945	945	
Seating Capacity		person	5	5	
Overhang (Kerb Weight)	Front	mm	900	900	
	Rear	mm	1130	1130	
Coefficient of Drag			0,26	-	
Min. Running Ground Clearance		mm	130	130	
Location of Min. Running Ground Clearance			Brace / Front suspension member	Brace / Front suspension member	
Kerb Weight	Front	Min. - Max. (EC / ECE)	kg	940 - 965	870 - 895
	Rear	Min. - Max. (EC / ECE)	kg	880 - 895	860 - 875
	Total		kg	1820 - 1860	1730 - 1770
Gross Vehicle Weight		kg	2305	2235	
Trunk Space		L	450, 17* ⁴	450, 17* ⁴	
Towing Capacity	With Brake	kg	1500	500	
	Without Brake	kg	750	-	
Fuel Tank Capacity	Capacity	L	66	66	

Engine

			2GR-FXE	2AR-FSE
Engine Type			6-cylinders, V type 60 degrees	4-cylinders, in-line
No. of Cyls. & Arrangement			24-valve DOHC with Dual VVT-i	16-valve DOHC with Dual VVT-i
Valve Mechanism			94.0 x 83.0	90.0 x 98.0
Bore x Stroke	mm		3456	2494
Displacement	cm ³		13.0 : 1	13.0 : 1
Compression Ratio			EFI, D-4S	EFI, D-4S
Fuel Injection System			EURO 6 with OBD	EURO 6 with OBD
Emission Certification			Gasoline	Gasoline
Fuel Type			95 or more (Octane)	95 or more (Octane)
Recommended Octane	RON		215 / 6000 (288 / 6000, 296 / 6000)	133 / 6000 (178 / 6000, 181 / 6000)
Max. Output	EEC	kW/rpm (hp/rpm_ps/rpm)	352 / 4500 (35.9 / 4500)	221 / 4200 - 5400 (22.5 / 4200 - 5400)
Max. Torque	EEC	Nm/rpm (kg-m/rpm)		
Fuel Consumption* ⁵	Urban	L/100km	6.7, 6.9	4.8, 5.0, 5.7
	Extra Urban	L/100km	5.5, 5.7	4.5, 5.0, 5.7
	Combined	L/100km	6.1, 6.2	4.4, 4.9, 5.0
CO ₂ Emissions* ⁵	Urban	g/km	156, 159	112, 114, 117
	Extra Urban	g/km	129, 132	105, 110, 113
	Combined	g/km	141, 145	104, 113, 115

Motor Generator

			<i>Values in italic to be confirmed</i>	
Motor Type			Permanent magnet synchronous motor (1KM)	Permanent magnet synchronous motor (1KM)
Max. Voltage	V		650	650
Max. Output	kW (hp_ps)		147 (197_200)	105 (141_143)
Max. Torque	Nm (kg-m)		275 (28)	300 (31)

Hybrid Battery

			Nickel-Metal hydride	Nickel-Metal hydride
Battery Type			288	230
Nominal Voltage	V		240	192
Number of Battery Cells			650	650
System Voltage	V			

Total System Output

Total Max. Output	kW (hp_ps)	254 (340_345)	164 (220_223)
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Performance

Max. Speed	km/h (mph)	250 (155)* ²	190 (118)* ²
Acceleration	0 to 60 mph	sec.	-
Acceleration	0 to 100 km/h	sec.	9.0

Chassis

Transmission	TMC Code Name		L110	L210
	Type		CVT	CVT
Layout			FR	FR
Transmission Gear Ratio	1st		-	-
	2nd		-	-
	3rd		-	-
	4th		-	-
	5th		-	-
	6th		-	-
	7th		-	-
	8th		-	-
Motor Reduction Ratio			Lo: 3.900 / Hi: 1.900	3.333
Differential Gear Ratio (Front / Rear)			- / 3.266	- / 2.764
Brake Type	Front		Ventilated Disc	Ventilated Disc
	Rear		Ventilated Disc	Ventilated Disc
Lock to Lock			2,8	2,8
	Min. - Max. (VGRS operating)		-	-
Min. Turning Radius	Tire	m (ft.)	5.3, 5.1* ³	5.3
	Body	m (ft.)	-	-
Tires & Wheels	*Please refer to the Spec. information in COSMOS for detailed specifications.			

*1: With moonroof

*2: Tentative

*3: With LDH (Lexus Dynamic Handling) system

*4: Undertray with tyre repair kit

*5: Values for GS 300h and GS 450h differ following equipment level (grade) and size of the alloy wheels.

GS 300h: First figure is valid for GS 300h with standard equipment with 17" alloy wheels. Second figure is valid for Executive Line and Privilege Line with 18" alloy wheels.

Third figure is valid for F SPORT Line with standard 19" alloy wheels and for Privilege Line with optional 19" alloy wheels.

GS 450h: First figure is valid for Executive Line and Privilege Line with 18" alloy wheels.

Second figure is valid for F SPORT Line with standard 19" alloy wheels and for Privilege Line with optional 19" alloy wheels.