

MAJOR TECHNICAL SPECIFICATIONS

Area		U.S.A. & Canada				
Body Type		Sedan				
Model Code		GSE20L-AEFLHA	GSE20L-AETLHA	GSE21L-AETLHA	GSE25L-AETLHA	
Major Dimensions & Vehicle Weights						
Overall	Length	mm (in.)	4580 (180.5)	4580 (180.5)	4580 (180.5)	4580 (180.5)
	Width	mm (in.)	1800 (70.9)	1800 (70.9)	1800 (70.9)	1800 (70.9)
	Height	mm (in.)	1425 (56.1)	1425 (56.1)	1425 (56.1)	1440 (56.7)
Wheel Base		mm (in.)	2730 (107.4)	2730 (107.4)	2730 (107.4)	2730 (107.4)
Tread	Front	mm (in.)	1535 (60.4)	1535 (60.4)	1535 (60.4)	1535 (60.4)
	Rear	mm (in.)	1535 (60.4), 1525 (60.0)*1	1535 (60.4), 1525 (60.0)*1	1535 (60.4), 1525 (60.0)*1	1535 (60.4)
Effective Head Room	Front	mm (in.)	990 (39.0), 946 (37.2)*2	990 (39.0), 946 (37.2)*2	990 (39.0), 946 (37.2)*2	990 (39.0), 946 (37.2)*2
	Rear	mm (in.)	937 (36.9), 932 (36.7)*2	937 (36.9), 932 (36.7)*2	937 (36.9), 932 (36.7)*2	937 (36.9), 932 (36.7)*2
Effective Leg Room	Front	mm (in.)	1115 (43.9)	1115 (43.9)	1115 (43.9)	1115 (43.9)
	Rear	mm (in.)	777 (30.6)	777 (30.6)	777 (30.6)	777 (30.6)
Shoulder Room	Front	mm (in.)	1381 (54.4)	1381 (54.4)	1381 (54.4)	1381 (54.4)
	Rear	mm (in.)	1338 (52.7)	1338 (52.7)	1338 (52.7)	1338 (52.7)
Overhang	Front	mm (in.)	815 (31.9)	815 (31.9)	815 (31.9)	815 (31.9)
	Rear	mm (in.)	1035 (40.7)	1035 (40.7)	1035 (40.7)	1035 (40.7)
Min. Running Ground Clearance		mm (in.)	135 (5.3), 125 (4.9)*3	135 (5.3), 125 (4.9)*3	135 (5.3), 125 (4.9)*3	115 (4.5)
Angle of Approach/Departure		degrees	13, 12°3/16	13, 12°3/16	13, 12°3/16	14/17
Curb Mass.	Front	kg (lb)	818 (1804)	805 (1775)	839 (1849)	899 (1982)
	Rear	kg (lb)	749 (1651)	753 (1660)	761 (1678)	757 (1669)
	Total	kg (lb)	1567 (3455)	1558 (3435)	1600 (3527)	1656 (3651)
Gross Vehicle Mass.	Front	kg (lb)	-	-	-	-
	Rear	kg (lb)	-	-	-	-
	Total	kg (lb)	2010 (4440)	2005 (4425)	2040 (4500)	2090 (4615)
Luggage Compartment Capacity		m ³ (cu.ft.)	0.378 (13.3)	0.378 (13.3)	0.378 (13.3)	0.378 (13.3)
Fuel Tank Capacity		L (US.gal, Imp.gal)	65 (17.2, 14.3)	65 (17.2, 14.3)	65 (17.2, 14.3)	65 (17.2, 14.3)
Performance						
Max. Speed		km/h (mph)	230 (144)	225 (140)	230 (144)	210 (131)
Max. Cruising Speed		km/h (mph)	160 (100)	160 (100)	160 (100)	160 (100)
Acceleration	0 to 60 mph	sec.	7.9	7.9	5.6	8.3
	0 to 400 m	sec.	16.0	16.0	13.9	16.3
Max. Permissible Speed	1st Gear	km/h (mph)	54 (34)	55 (34)	55 (34)	53 (33)
	2nd Gear	km/h (mph)	90 (56)	94 (58)	94 (58)	91 (57)
	3rd Gear	km/h (mph)	134 (83)	138 (86)	137 (85)	133 (83)
	4th Gear	km/h (mph)	172 (107)	194 (121)	192 (119)	186 (116)
	5th Gear	km/h (mph)	208 (129)	-	-	-
	6th Gear	km/h (mph)	-	-	-	-
Turning Diameter (Outside Front)	Wall to Wall	m (ft.)	10.9 (35.8)	10.9 (35.8)	10.9 (35.8)	11.1 (36.4)
	Curb to Curb	m (ft.)	10.2 (33.5)	10.2 (33.5)	10.2 (33.5)	10.6 (34.8)
Engine						
Engine Type			4GR-FSE	4GR-FSE	2GR-FSE	4GR-FSE
No. of Cyls. & Arrangement			6-Cylinder, V Type	6-Cylinder, V Type	6-Cylinder, V Type	6-Cylinder, V Type
Valve Mechanism			24-valve, DOHC with Dual VVT-i	24-valve, DOHC with Dual VVT-i	24-valve, DOHC with Dual VVT-i	24-valve, DOHC with Dual VVT-i
Bore × Stroke		mm (in.)	83.0 × 77.0 (3.27 × 3.03)	83.0 × 77.0 (3.27 × 3.03)	94.0 × 83.0 (3.70 × 3.27)	83.0 × 77.0 (3.27 × 3.03)
Displacement		cm ³ (cu.in.)	2500 (152.5)	2500 (152.5)	3456 (210.9)	2500 (152.5)
Compression Ratio			12.0 : 1	12.0 : 1	11.8 : 1	12.0 : 1
Fuel System			SFI D-4	SFI D-4	SFI D-4S	SFI D-4
Octane Rating			91 or higher	91 or higher	91 or higher	91 or higher
Max. Output (SAE-NET)*4		kW @ rpm (HP @ rpm)	152 @ 6400 (204 @ 6400)	152 @ 6400 (204 @ 6400)	228 @ 6400 (306 @ 6400)	152 @ 6400 (204 @ 6400)
Max. Torque (SAE-NET)*4		N·m @ rpm (lb-ft @ rpm)	250 @ 4800 (185 @ 4800)	250 @ 4800 (185 @ 4800)	375 @ 4800 (277 @ 4800)	250 @ 4800 (185 @ 4800)
Engine Electrical						
Battery Capacity (5HR)		Voltage & Amp. hr.	12-59	12-59	12-59	12-59
Generator Output		Watts	1800	1800	1800	1800
Starter Output		kW	1.7	1.7	1.7	1.7
Chassis						
Transmission Type			RA62 (M/T)	A960E (A/T)	A760E (A/T)	A760H (A/T)
Gear Ratio	1st		3.791	3.538	3.520	3.520
	2nd		2.275	2.060	2.042	2.042
	3rd		1.524	1.404	1.400	1.400
	4th		1.185	1.000	1.000	1.000
	5th		1.000	0.713	0.716	0.716
	6th		0.786	0.582	0.586	0.586
	Reverse		3.466	3.168	3.224	3.224
Differential (Final) Gear Ratio		Front/Rear	-/3.727	-/3.909	-/4.083	4.100/4.100
Brake Type	Front		Ventilated Disc	Ventilated Disc	Ventilated Disc	Ventilated Disc
	Rear		Solid Disc	Solid Disc	Ventilated Disc	Solid Disc
Suspension Type	Front		Double Wishbone	Double Wishbone	Double Wishbone	Double Wishbone
	Rear		Multi-link	Multi-link	Multi-link	Multi-link
Stabilizer Bar		Front/Rear	Standard/Standard	Standard/Standard	Standard/Standard	Standard/Standard
Steering Gear Type			Rack & Pinion	Rack & Pinion	Rack & Pinion	Rack & Pinion
Steering Gear Ratio			13.5, 13.6*3	13.5, 13.6*3	13.5, 13.6*3	14.1
Power Steering Type			EPS	EPS	EPS	EPS

*1: With optional 18-inch wheel *2: With Sliding Roof *3: With Sports Suspension *4: Maximum output and torque ratings are determined using the revised SAE J1349 procedure.

IS350/250 — MAJOR TECHNICAL SPECIFICATIONS

	U.S.A. & Canada
	Sedan
	GSE26L-AETLHA
5	4580 (180.5)
	1800 (70.9)
	1440 (56.7)
	2730 (107.4)
	1535 (60.4)
10	1535 (60.4)
	990 (39.0), 946 (37.2)*2
	937 (36.9), 932 (36.7)*2
	1115 (43.9)
	777 (30.6)
15	1381 (54.4)
	1338 (52.7)
	815 (31.9)
	1035 (40.7)
	115 (4.5)
20	14/17
	912 (2011)
	768 (1693)
	1680 (3704)
	-
25	-
	2115 (4665)
	0.378 (13.3)
	65 (17.2, 14.3)
30	210 (131)
	160 (100)
	5.7
	14.1
	58 (36)
35	99 (62)
	145 (91)
	203 (127)
	-
	-
40	11.1 (36.4)
	10.6 (34.8)
	2GR-FSE
	6-Cylinder, V Type
45	24-valve, DOHC with Dual VVT-i
	94.0 x 83.0 (3.70 x 3.27)
	3456 (210.9)
	11.8 : 1
	SFI D-4S
50	91 or higher
	228 @ 6400 (306 @ 6400)
	375 @ 4800 (277 @ 4800)
	12-59
55	1800
	1.7
	A760H (A/T)
	3.520
60	2.042
	1.400
	1.000
	0.716
	0.586
65	3.224
	3.769/3.769
	Ventilated Disc
	Ventilated Disc
	Double Wishbone
70	Multi-link
	Standard/Standard
	Rack & Pinion
	14.1
	EPS