3. Appendix

MAJOR TECHNICAL SPECIFICATIONS

Area			U.S.A. and Canada	
Vehicle Grade			N	M
Model Code			MHU48L-BRXNKA	MHU48L-BRXMKA
Major Dimensions & Vehicle Weights				
Overall	Length	mm (in.)	4785 (188.4)	4785 (188.4)
	Width	mm (in.)	1910 (75.2)	1910 (75.2)
	Height*1	mm (in.)	1760 (69.3)*2, 1730 (68.1)*3	1760 (69.3)
Wheel Base		mm (in.)	2790 (109.8)	2790 (109.8)
Tread*1	Front	mm (in.)	1625 (64.0)	1625 (64.0)
	Rear	mm (in.)	1625 (64.0)	1625 (64.0)
Effective Head Room	Front	mm (in.)	1032 (40.6)	1032 (40.6), 1008 (39.7)*4
	Rear	mm (in.)	1010 (39.8)	1010 (39.8)
Effective Leg Room	Front	mm (in.)	1096 (43.2)	1096 (43.2)
	Rear	mm (in.)	976 (38.4)	976 (38.4)
Shoulder Room	Front	mm (in.)	1517 (59.7)	1517 (59.7)
	Rear	mm (in.)	1512 (59.5)	1512 (59.5)
Overhang	Front	mm (in.)	930 (36.6)	930 (36.6)
	Rear	mm (in.)	1065 (41.9)	1065 (41.9)
Min. Running Ground Clearance		mm (in.)	185 (7.3)	185 (7.3)
Angle of Approach/Departure		degrees	29/24	29/24
Curb Mass.	Front	kg (lb)	1165 (2568)	1170 (2579)
	Rear	kg (lb)	880 (1940)	935 (2061)
	Total	kg (lb)	2045 (4508)	2105 (4641)
Gross Vehicle Mass.	Front	kg (lb)	-	-
	Rear	kg (lb)	-	-
	Total	kg (lb)	2785 (6150)	2785 (6150)
Luggage Compartment Capacity (behind 2nd/3rd)		m^3 (cu.ft.)	1.20/0.29 (42.5/10.3)	1.20/0.29 (42.5/10.3)
Fuel Tank Capacity		L (Us.gal, Imp.gal)	65.0 (17.2, 14.3)	65.0 (17.2, 14.3)
Performance				
Max. Speed		km/h (mph)	180 (111)	180 (111)
Max. Cruising Speed		km/h (mph)	144 (89)	144 (89)
Acceleration	0 to 60 mph	sec.	8.1	8.1
	0 to 400 m	sec.	-	-
Turning Diameter (Outside Front)	Wall to Wall	m (ft.)	12.6 (41.3)	12.6 (41.3)
	Curb to Curb	m (ft.)	11.8 (38.7)	11.8 (38.7)
Engine				
Engine Type			3MZ-FE	3MZ-FE
No. of Cyls. & Arrangement			6-cylinder, V Type	6-cylinder, V Type
Valve Mechanism			24-valve DOHC belt & gear drive with VVT-i	24-valve DOHC belt & gear drive with VVT-i
Bore × Stroke		mm (in.)	92.0 × 83.0 (3.62 × 3.27)	92.0 × 83.0 (3.62 × 3.27)
Displacement		cm^3 (cu.in.)	3311 (202.1)	3311 (202.1)
Compression Ratio			10.8 : 1	10.8 : 1
Fuel System			SFI	SFI
Octane Rating			87 or higher	87 or higher
Max. Output (SAE-NET)*5		kW@rpm (HP@rpm)	156@5600 (208@5600)	156@5600 (208@5600)
Max. Torque (SAE-NET)*5		N·m@rpm (lb·ft@rpm)	288@4400 (212@4400)	288@4400 (212@4400)
Motor Generator				
MG1 Type			Permanent Magnet Motor	Permanent Magnet Motor
MG1 Max. Voltage		V	650	650
MG2 Type			Permanent Magnet Motor	Permanent Magnet Motor
MG2 Max. Voltage		V	650	650
MGR Type			Permanent Magnet Motor	Permanent Magnet Motor
MGR Max. Voltage		V	650	650
Battery				
HV Battery Type			Nickel Metal Hydride Battery	Nickel Metal Hydride Battery
HV Battery Capacity (3HR)		Voltage & Amp.hr.	288-6.5	288-6.5
Auxiliary Battery Capacity (5HR)		Voltage & Amp.hr.	12-36	12-36
Chassis				
Front Transaxle Type/Rear Drive Unit Type			P310*6/Q211	P310*6/Q211
Differential (Final) Gear Ratio		Front/Rear	3.137/6.859	3.137/6.859
Brake Type	Front		Ventilated Disc	Ventilated Disc
	Rear		Solid Disc	Solid Disc
Suspension Type	Front		MacPherson Strut	MacPherson Strut
	Rear		Dual-link, Strut type	Dual-link, Strut type
Stabilizer Bar		Front/Rear	Standard/Standard	Standard/Standard
Steering Gear Type			Rack and Pinion	Rack and Pinion
Steering Gear Ratio			17.0	17.0
Power Steering Type			EPS	EPS

*1: Unladen Vehicle *2: With Roof Rail *3: Without Roof Rail *4: Models with Sliding Roof
*5: Maximum output and torque ratings are determined using the revised SAE J1349 procedure.
*6: Electrically Controlled Continuously Variable Transmission