

KAST EV Kana – Main Specifications

Highly Efficient Drive Train based on SAZZ DC-DC converter technology

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KAST-EV-Kana		
Specifications		KAST-EV
Vehicle Name		Kana
Traction type		2WD (Front Traction)
Weights and Measures		
Body Length	(mm)	3395
Body Width	(mm)	1475
Body Height	(mm)	1270
Wheel Base	(mm)	2500
Tread	Front (mm)	1280
	Rear (mm)	1100
Minimum turning radius	(m)	4~4.2
Minimum Ground Clearance	(mm)	125
Interior Length	(mm)	890
Interior Width	(mm)	1250
Interior Height	(mm)	1050
Frontal Area	m ²	1.59
Aerodynamic Drag Coefficient		0.33
Vehicle Weight	(kg)	762
Riding Capacity	(N.of people)	2
Performance		
Max Speed	(km/h)	120 (electronically limited)
Acceleration (0-400 m)	s	17.6
Acceleration (0-100 km/h)	s	11.1
JC08 Mode Energy Consumption		69.8(Wh/km)
(Japanese official driving test)	(Wh/km)	or, fuel mileage 14.2(km/kwh) (Note 1)
JC08 Mode Driving Range		
(Japanese official driving test)	(km)	85.8km (Note 1)
K-Fuel Mileage	(km•ton/kWh)	12.5 (Note 1)
Battery Specifications		
Battery Type		Li-ion
Battery Voltage	(V)	334~208
Battery Capacity	(kWh)	5.7 (Note 2)
Motor Specifications		
Motor Type		In-Wheel PM Synchronous Motor
Rated Power	(kW)	12 (6 × 2)
Peak Power	(kW)	40kw (20x2) at 382rpm
	(PS)	
Max Torque	(N•m)	997.2 Nm (498.6 × 2) at 382 rpm
	(kgf•m)	
Transmission		
Gear Reduction Ratio		1 : 1 (In-Wheel)
Steering System		Rack & Pinion
Suspension Type	Front	Double Wishbone
	Rear	Double Wishbone
Mechanical Braking System	Front	Disk
	Rear	Leading-Trailing Drum
(Note 1) Measured on Chassis-Dynamo in Compliance with Japanese Regulations		
(Note 2) Assumed AC Battery Charger efficiency is 95%		

