

# 1. SPECIFICATIONS

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# 1

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Name & Model			SC10AS
Overall length (mm)			1792
Overall width (mm)			690
Overall height (mm)			1053
Wheel base (mm)			1225
Engine type			Air cooled 2-stroke
Displacement (cc)			49.4 cc
Net weight (kg)			92.5
Seating capacity			2 riders (110kg)
Gross weight(kg)			150
Tires	Front wheel	120/70-12	
	Rear wheel	120/70-12	
Ground clearance (mm)			170
Braking distance (m) (Initial speed Km/h)			7m (30km/h)
Min. turning radius (mm)			1940
Starting system			Starting motor & kick starter
Fuel type			Gasoline, 2-stroke motor oil
Cylinder arrangement			Single cylinder, flat
Combustion chamber type			Semi-sphere
Valve arrangement			Reed valve & piston
Bore x stroke (mm)			39 x 41.4
Compression ratio			7.3 : 1
Compression pressure (kg/cm <sup>2</sup> rpm)			11.5kg/cm <sup>2</sup>
Max. output (kw/rpm)			3.75/7000kw/rpm
Max. torque (kg-m/rpm)			4.5/6500 kg m/rpm
Port timing	Intake	Open	Automatic controlled
		Close	Automatic controlled
	Exhaust	Open	□
		Close	□
	Scavenge	Open	□
		Close	□
Idle speed (rpm)			2100±100
Lubrication type			Separate type
Oil pump type			Plunger type
Oil filter type			Full-flow filtration

Lubrication oil capacity (liter)		0.80	
Air cleaner type & No.		Wet, single	
Fuel capacity (liter)		4.9	
Carburetor	Type	Plunger type	
	Piston dia. (mm)	□	
	Venturi dia. (mm)	14	
Ignition system type		CDI electromagnetic Ignition	
Ignition timing F mark		15.5°±2°BTDC/2000rpm	
Spark plug		NGK	BR8HSA
		ND	-
Spark plug gap (mm)		0.6_	0.7
Battery capacity		12V3AH	
Power to transmission gear		Power-transmission gear-clutch	
Reduction ratio of power to transmission		□	
Clutch type		Dry multi-disc clutch	
Transmission gear operation type		Automatic centrifugal type	
Transmission ratio		1 speed	□
Reduction gear	Type	Two-stage reduction	
	1st reduction ratio	□	
	2nd reduction ratio	□	
Transmission gear type		Non-stage transmission	
Tire pressure (kg/cm <sup>2</sup> )	Front	1.50	1.75
	Rear wheel	1.75	2.25
Turning angle		Right & left 45°	
Brake svstem type	Front	Expanding/hydraulic	
	Rear wheel	Expanding	
Suspension type	Front	Telescope	
	Rear wheel	Unit swing	
Shock absorber type	Front	Telescope	
	Rear wheel	Unit swing	
Frame type		Pipe under bone	
Exhaust emission concentration	CO	4.5%	
	HC	7000ppm Max	