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1. SPECIFICATIONS

SPECIFICATIONS

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 ² rpm)		11.5kg/cm ²	
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 ²)	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	