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1. SPECIFICATIONS

SPECIFICATIONS

Name & Model			BA10AB.AC
Overall length (mm)			1850
Overall width (mm)			685
Overall height (mm)			1075
Wheel base (mm)			1270
Engine type			Air cooled 2-stroke
Displacement (cc)			49.5 cc
Net weight (kg)	Front wheel	37	
	Rear wheel	58.5	
	Total	95.5	
Seating capacity			2 riders (110kg)
Gross weight(kg)	Front wheel	79	
	Rear wheel	126.5	
	Total	205.5	
Tires	Front wheel	70/90-16	42J
	Rear wheel	90/90-16	54J
Ground clearance (mm)			175
Braking distance (m) (Initial speed Km/h)			4.4m (30km/h)
Min. turning radius (mm)			1900
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			10.3:1 ±0.2
Compression pressure (kg/cm≤ rpm)			11.8kg/cm≤ ±2
Max. output (kw/r/min)			1.765/5400 kw/r/min
Max. torque (kg m/rpm)			0.33/4600 kg m/rpm
Port timing	Intake	Open	Automatic controlled
		Close	Automatic controlled
	Exhaust	Open	□
		Close	□
	Scavenge	Open	□
		Close	□
Idle speed (rpm)			2000±100
Lubrication type			Separate type
Oil pump type			Plunger type
Oil filter type			Full-flow filtration

Lubrication oil capacity (liter)		1.1	
Air cleaner type & No.		Wet, single	
Fuel capacity (liter)		5.8	
Carburetor	Type	Plunger type	
	Piston dia. (mm)	□	
	Venturi dia. (mm)	16	
Ignition system type		CDI electromagnetic Ignition	
Ignition timing F mark		8°~14°±1.5°BTDC/2000 rpm	
Spark plug	NGK	BR8HSA	
	ND		
Spark plug gap (mm)		0.6_ 0.7	
Battery capacity		12V4AH	
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	3.113~0.895	
	2nd reduction ratio	14.69	
Transmission gear type		Non-stage transmission	
Tire pressure (kg/cm ²)	Front	1.75 kg/cm ² ≤	
	Rear wheel	2.0 kg/cm ² ≤	
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	