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1. SPECIFICATIONS

SPECIFICATIONS

Name & Model			YPU 50
Overall length (mm)			1940
Overall width (mm)			700
Overall height (mm)			1120
Wheel base (mm)			1296
Engine type			Air cooled 2-stroke
Displacement (cc)			49.4 cc
Net weight (kg)			90
Seating capacity			2 riders (150kg)
Gross weight(kg)			97
Tires	Front wheel		120/70-12
	Rear wheel		130/70-12
Ground clearance (mm)			170
Braking distance (m) (Initial speed Km/h)			4.4m (30km/h)
Min. turning radius (mm)			1920
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			7.2 : 1
Compression pressure (kg/cm ² rpm)			11.8kg/cm ²
Max. output (kw/rpm)			3.53/7000
Max. torque (kg-m/rpm)			0.52/6500
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)		5.3	
Carburetor	Type	Plunger type	
	Piston dia. (mm)	□	
	Venturi dia. (mm)	14	
Ignition system type		CDI electromagnetic Ignition	
Ignition timing F mark		13.5°±1.5°BTDC/3000rp	
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	2.00
	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	