

1. GENERAL INFORMATION

SPECIFICATIONS

Model No.		LAA0	
Name & Type		MXU 500	
Overall length		2203 mm (88.12 in)	
Overall width		1223 mm (48.92 in)	
Overall height		1240 mm (49.6 in)	
Wheel base		1293 mm (51.72 in)	
Engine type		O.H.C.	
Displacement		498.5 cm ³ (30.48 cu-in)	
Fuel used		92# nonleaded gasoline	
Dry weight	Front wheel	154 kg (338.8 lbs)	
	Rear wheel	134 kg (294.8 lbs)	
	Total	288 kg (633.6 lbs)	
Curb weight	Front wheel	164 kg (360.8 lbs)	
	Rear wheel	144 kg (316.8 lbs)	
	Total	308 kg (648 lbs)	
Tires	Front wheel	25X8-12	
	Rear wheel	25X10-12	
Ground clearance		235 mm (9.4 in)	
Min. turning radius		3350 mm (134 in)	
Engine	Starting system		Electric/Recoil starter
	Type		Gasoline, 4-stroke
	Cylinder arrangement		Single cylinder
	Combustion chamber type		Semi-sphere
	Valve arrangement		O.H.C., chain drive
	Bore x stroke		92X75 mm (3.68X3 in)
	Compression ratio		10.5:1
	Compression pressure		15 kgf/cm ² (1500kPa, 213 psi)
	Intake valve (at 1mm lift)	Opens	5° BTDC
		Closes	45° ABDC
	Exhaust valve (at 1mm lift)	Opens	45° BBDC
		Closes	5° ATDC
	Valve clearance (cold)	Intake	0.1 mm (0.004 in)
		Exhaust	0.1 mm (0.004 in)
	Idle speed (rpm)		1500 rpm
	Cooling type		Liquid cooled

Lubrication System	Lubrication type		Forced pressure & Wet sump	
	Oil pump type		Trochoid	
	Oil filter type		Full-flow filtration	
	Oil capacity		3.6 L (3.17 Imp qt, 3.82 Us qt)	
Fuel System	Oil exchanging capacity		3 L (2.64 Imp qt, 3.18 Us qt)	
	After draining and oil filter cartridge change		3.2 L (2.82 Imp qt, 3.39 Us qt)	
	Air cleaner type & No		Wet type element	
	Fuel capacity		17 L (3.57 Imp gal, 4.42 US gal)	
Carburetor	Type		CVK	
	Main jet	ON ROAD	#128	
		OFF ROAD	#130	
	Slow jet		#40	
Choke jet		#90		
Electrical Equipment	Ignition System	Type		Full transistor digital ignition
		Ignition timing		5°/1500 rpm
		Spark plug		CR7E (NGK)
		Spark plug gap		0.6~0.7mm (0.024~0.028 in)
Battery		Capacity	12V18AH	
Drive Train	Clutch type		Wet, centrifugal automatic	
	Clutch operation system		Automatic (V-belt)	
	Primary reduction system		V-belt	
	Secondary reduction system		Shaft drive	
	High reduction ratio		3.76	
	Low reduction ratio		6.464	
Reverse ratio		5.31		
Moving Device	FR/RR tire rolling circumference		1995/1995 mm (79.8/79.8 in)	
	Tire pressure	Front	0.28 kg/cm ²	
		Rear	(28 Kpa, 3.2 psi)	
	Turning angle	Left	36°	
Right		36°		
Brake system type		Front	Disk brake	
		Rear	Disk brake	
Suspension type		Front	Double wishbone	
		Rear	Link suspension	
Frame type		Double cradle		