



Lightning 50 ATV Specifications

Lightning 50 (AXL/NXL/TXL-50)	
Engine	
Type	Two cycle air cooled
Displacement	49.3cc
Bore / Stroke	φ40.0 * 39.2mm
Compression	6.8 : 1
Power	5.2hp @ 7000rpm
Transmission	
Type	Automatic (C.V.T. V-Belt)
Chassis	
Overall Length	1330mm / 56.5"
Overall Width	830mm / 32.7"
Overall High	860mm / 33.9"
Wheel Base	950mm / 37.4"
Ground Clearance	102mm / 4"
Dry Weight	85kg / 187.5lb
Suspension	
Front	Dual A-arm / Adjustable Shocks
Rear	Swing Arm / Adjustable Shock
Brakes	
Front	Dual Mechanical drum
Rear	Mechanical drum
Tires	
Front	16*8-7
Rear	16*8-7
Tire Pressure front & rear	7psi Maximum 2psi Minimum (cold)
Wheel	
Bolt Pattern	4 x 110mm
Carburetor	
Make/Size	Mikuni 18mm (Auto Coke)
Main Jet	85mm
Pilot Jet	20mm
Air Mixture Adjustment	Back out ¾ - 1¼ turns Idle 1700 - 1900rpm

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Sprockets		
Front		420x19t
Rear		420x28t
Chain		#420
Battery		
12V-4AH/5AH - GTX5L-BS		
Fluids		
Fuel	Type	Unleaded Gasoline 89 octane
	Volume	4.5liters / 1.2gal
Engine Oil	Type	High grade synthetic 2 cycle injector oil
	Volume	1.0liters / 1gt
Transmission	Type	SAE 80/90 weight
	Volume	100cc / 3.4oz
Spark Plug		
NGK		BPR7HS
Nipendenso		W22FRP-U
Champion		QL82YC
	Electrode Gap	0.6-0.7mm / 0.023"
Maximum Rider Weight		68.2kg / 190lb
Minimum Rider Age		6 years