



Thunder 90 ATV Specifications

Thunder 90 (AXL/NXL/TXL-90)

Engine	
Type	Two cycle air cooled
Displacement	82.5cc
Bore / Stroke	φ50.0 * 42.0mm
Compression	5.8 : 1
Power	7hp @ 7000rpm
Transmission	
Type	Automatic (C.V.T. V-Belt)
Chassis	
Overall Length	1480mm / 58.3"
Overall Width	830mm / 32.7"
Overall High	900mm / 37.4"
Wheel Base	950mm / 37.4"
Ground Clearance	102mm / 4"
Dry Weight	87kg / 192.0lb
Suspension	
Front	Dual A-arm / Adjustable Shocks
Rear	Swing Arm / Adjustable Shock
Brakes	
Front	Dual Mechanical drum
Rear	Mechanical drum
Tires	
Front	18*7-8
Rear	18*9-8
Tire Pressure front & rear	7psi Maximum 2psi Minimum (cold)
Wheel	
Bolt Pattern	4 x 110mm

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Carburetor		
Make/Size		Mikuni 18mm (Auto Coke)
Main Jet		85mm
Pilot Jet		20mm
Air Mixture Adjustment		Back out $\frac{3}{4}$ - $1\frac{1}{4}$ turns Idle 1650 - 1800rpm
Sprockets		
Front		520x18t
Rear		520x28t
Chain		#520
Battery		
		12V-4AH/5AH - GTX5L-BS
Fluids		
Fuel	Type	Unleaded Gasoline 89 octane
	Volume	4.5liters / 1.2gal
2 Cycle 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		
		12 years