



2005 VIPER 50M ATV Specifications

(Model No. RXL-50M)

Engine			
Type	Two cycle air cooled		
Displacement	49.3cc		
Bore / Stroke	40.0 * 39.2mm		
Compression Ratio / Pressure	6.6 : 1 / 90-120psi		
Torque / BHP	5.2N m @ 7000rpm / 5.0BHP		
Starting	Electrical with Kick starter back up		
Transmission			
Type	Automatic (C.V.T. V-Belt)		
Chassis			
Overall Length	1430mm / 56.3"		
Overall Width	820mm / 32.3"		
Overall High	800mm / 31.5"		
Wheel Base	930mm / 36.1"		
Seat Height	650mm / 25.5"		
Ground Clearance	121mm / 4.75"		
Dry Weight	108kg / 238lbs		
Suspension			
Front	Independent Front A-arm with Adjustable Shocks		
Rear	Swing Arm Shock with Adjustable Shock		
Brakes			
Front	N/A		
Rear	Hydraulic Disc		
Tires			
Front	145/70-6		
Rear	145/70-6		
Tire Pressure	Front	Min	3.2psi / 0.23kg/cm2
		Max	4.0psi / 0.28kg/cm2
	Rear	Min	3.2psi / 0.23kg/cm2
		Max	4.0psi / 0.28kg/cm2

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Wheels		
Bolt Pattern		Direct attach
Carburetor		
Make/Size		SW 18mm (Manual Coke)
Main Jet		80mm
Pilot Jet		20mm
Air Mixture Adjustment		Back out ¾ - 1¼ turns
Idle Speed		Idle 1700 - 1900rpm
Sprockets		
Front		420x19t
Rear		420x28t
Chain		#420
Battery		
Jell Acid (Maintenance Free)		12V-4AH/5AH - GTX5L
	Main Fuse	7Amp
Fluids		
Fuel	Type	Unleaded Gasoline 89 octane
	Volume	4.5liters / 1.2gal
Engine Oil	Type	High grade synthetic 2 cycle 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"
Safety Features		
Remote Control Stop/Start		Standard equipment
Safety Tether Switch		Standard equipment
Enclosed Foot Rest Area		Standard equipment
Enclosed Engine compartment		N/A
Maximum Rider Weight		36.3kg / 80lbs
Minimum Rider Age		6 years
Available Colors *subject to availability		Red
		Blue
		Yellow
		Black / Yellow