



2005-07 Viper 90 ATV Specifications

(Model No. RXL-90)

Engine			
Type	Two cycle air cooled		
Displacement	82.5cc		
Bore / Stroke	f50.0 * 42.0mm		
Compression Ratio / Pressure	5.8 : 1 / 90-120psi		
Torque / BHP	7N m @ 7500rpm / 7.0BHP		
Starting	Electrical with Kick starter back up		
Transmission			
Type	Automatic (C.V.T. V-Belt)		
Chassis			
Overall Length	1500mm / 59.0"		
Overall Width	850mm / 33.5"		
Overall High	900mm / 35.4		
Wheel Base	930mm / 36.1		
Seat Height	670mm / 26.3"		
Ground Clearance	127mm / 5"		
Dry Weight	113kg / 249lbs		
Suspension			
Front	Independent Front A-arm with Adjustable Shocks		
Rear	Swing Arm Shock with Adjustable Shock		
Brakes			
Front	Dual Mechanical drum		
Rear	Hydraulic Disc		
Tires			
Front	18/7-8		
Rear	18/9-8		
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
Wheels			
Bolt Pattern		4 x 110mm	

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Carburetor		
Make/Size	SW 18mm (Manual Coke)	
Main Jet	85mm	
Pilot Jet	20mm	
Air Mixture Adjustment	Back out $\frac{3}{4}$ - $1\frac{1}{4}$ turns	
Idle Speed	Idle 1700 - 1900rpm	
Sprockets		
Front	520x15t	
Rear	520x28t	
Chain	#520	
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	Optional Kit (Stop Only)	
Safety Tether Switch	Optional	
Enclosed Foot Rest Area	Standard equipment	
Enclosed Engine compartment	N/A	
Maximum Rider Weight	68.2kg / 190lb	
Minimum Rider Age	12 years	
Available Colors *subject to availability	Red	
	Blue	
	Yellow	
	Black / Yellow	