



2005 Viper 40E Specifications

(Model No. RXL-40E)

Engine			
Type			Two cycle air cooled pre mix fuel/oil
Displacement			41.5cc
Bore / Stroke			φ40.0 * 33.0mm
Compression Ratio / Pressure			6.6 : 1 / 130-140psi
Torque / BHP			2.2N m @ 7000rpm / 2.2BHP
Starting			Electrical with Pull starter back up
Transmission			
Type			Single Speed Centrifugal Clutch
Chassis			
Overall Length			1120mm / 44.0"
Overall Width			630mm / 24.8"
Overall High			727mm / 28.6"
Wheel Base			768mm / 30.2"
Seat Height			565mm / 22.2"
Ground Clearance			51mm / 2"
Dry Weight			64kg / 134lbs
Suspension			
Front			Independent A-Arms with Shock
Rear			Swing Arm / Single Shock
Brakes			
Front			N/A
Rear			Mechanical Drum
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

2005 Viper 40E Specifications		
(Model No. RXL-40E)		
Wheels		
Bolt Pattern		Direct attach
Carburetor		
Make/Size		HC 16mm (Manual Coke)
Main Jet		64mm
Pilot Jet		18mm
Idle Speed		Idle 2500rpm
Sprockets		
Front		420x14t
Rear		420x36t
Chain		#420
Battery		
Jell Acid (Maintenance Free)		12V-4AH-GTX4L
	Main Fuse	7Amp
Fluids		
Fuel	Type	Unleaded Gasoline 89 octane
	Volume	3.5 liters / 0.9 gal
Engine Oil	Type	High grade synthetic 2 cycle oil
	Volume	Pre Mix 50 : 1
Transmission	Type	SAE 80/90 weight
	Volume	70cc / 2.4oz
Spark Plug		
NGK		BPM7A
Nipendenso		W22MP-U
Champion		CJ7Y (Not Recommended)
	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		Standard equipment
Maximum Rider Weight		36.3kg / 80lbs
Minimum Rider Age		6 years
Available Colors *subject to availability		Blue
		Red