

Aprilia RXV - Technical Specifications (specifications for the 550 appear in brackets)

Engine	77° V twin four stroke. Liquid cooled. Single overhead cam with rocker operated exhaust valves, chain timing drive. 4 valve heads with titanium valves.
Fuel	Lead-free petrol.
Bore x stroke	76 x 49.5 mm (80 x 55 mm).
Total displacement	449 cc (549 cc).
Compression ratio	12.5:1 (12:1).

Fuel system	Integrated electronic engine management system controlling ignition and fuel injection, with two power mappings. Throttle body: 38 mm (40 mm).
Ignition	Electronic.
Starting	Electric starting.
Alternator	340 W.
Lubrication	Dry sump with external oil tank. Separate gearbox lubrication.
Gearbox	5 speed. Enduro gear ratios: 1 st 12/31 2 nd 13/25 3 rd 15/23 4 th 19/24 5 th 21/22
Clutch	Cable operated multi-plate wet clutch.
Primary drive	Spur gears. Transmission ratio: 22/56.
Final drive	Chain. Transmission ratio: 15/50 (Z14 sprocket supplied).
Exhaust system	Euro 3 lateral exhaust. Conforms to FIM regulations for 2009.
Frame	Chrome-molybdenum steel perimeter frame with aluminium alloy vertical members. Steering head (rake) angle 27°. Lightweight rear frame.
Front suspension	Ø 45 mm upside down fork with two adjustments.
Rear suspension	Aluminium swingarm with cast body and hydroformed members. Hydraulic monoshock with compression and rebound adjustment.
Brakes	Front: Ø 270 mm floating disc in stainless steel with aluminium flange. Nissin floating caliper. Rear: Ø 240 mm stainless steel disc with floating caliper.

Wheels	Black anodised aluminium alloy. Front: 1.60 x 21" Rear: 2.15 x 18"
Tyres	Front: Metzeler 90/90 x 21" Rear: Metzeler 140/80 x 18"
Dimensions	Overall length: 2,222 mm Overall width: 800 mm Ground clearance: 396 mm Seat height: 941 mm Wheelbase: 1,495 mm
Fuel tank	Capacity 7.8 litres