
Technical Specifications



Aprilia RSV4R

Engine Type	Aprilia longitudinal 65° V-4 cylinder, 4-stroke, liquid cooling system, double overhead camshafts (DOHC), four valves per cylinder.
Capacity	999.6cc
Bore and stroke	78 x 52.3mm
Compression ratio	13:1
Maximum power at crank	180 HP (132.4 kW) at 12,500 rpm
Max Torque at crank	115Nm at 10,000 rpm
Fuel supply	Airbox with front dynamic air intakes.4 Weber-Marelli 48-mm throttle bodies with 8 injectors and latest generation Ride-by-Wire engine management. Choice of three different engine maps selectable by the rider with bike in motion: T (Track), S (Sport), R (Road).
Ignition	Magneti Marelli digital electronic ignition system integrated in engine control system, with one spark plug per cylinder and "stick-coil"-type coils.
Exhaust system	4 into 2 into 1 layout, single oxygen sensor, lateral single silencer with engine control unit-controlled butterfly valve and integrated trivalent catalytic converter.
Homologation	Euro 3
Clutch	Multiplate wet clutch with mechanical slipper system
Lubrication	Wet sump lubrication system with oil radiator and two oil pumps (lubrication and cooling)
Frame	Aluminium dual beam chassis with pressed and cast sheet elements.
Front suspension	Sachs steering damper. Upside-down Showa fork with 43 mm stanchions. Forged aluminium radial calliper mounting brackets. Completely adjustable spring preload and hydraulic compression and rebound damping. Wheel travel: 120 mm
Rear suspension	Twin sided aluminium swingarm; mixed low thickness and sheet casting technology. Sachs piggy back monoshock with completely adjustable: spring preload, wheelbase, hydraulic compression and rebound damping. APS progressive linkage. Wheel travel 130mm
Front brakes	Dual 320-mm diameter floating stainless steel disc with lightweight stainless steel rotor and aluminium flange with 6 pins. Brembo monobloc radial callipers with 4 34-mm opposite. Sintered pads. Radial pump and metal braided brake hose
Rear brake	220-mm diameter disc; Brembo calliper with two 32 mm separate pistons. Sintered pads. Pump with integrated tank and metal braided hose
Wheels	Front: Aluminium alloy with 6 split spokes, 3.5"X17" Rear: Aluminium alloy with 5 split spokes, 6"X17"
Length	2,040mm
Width	735mm (at handlebars)
Height	1120 mm
Dry weight	184Kg (Kerb Weight)

The motorcycle specifications are indicative only and subject to change without notice. Please contact your local dealer for specific information.
