



2011 RSV4 Factory APRC Technical Specification

Engine type	Aprilia longitudinal 65° V-4 cylinder, 4-stroke, liquid cooling system, double overhead camshafts (DOHC), four valves per cylinder
Bore and stroke	78 x 52.3 mm
Total engine capacity	999.6 cc
Compression ratio	13:1
Maximum power	180 HP (132.4 kW) at 12,250 rpm
Maximum torque	115 Nm at 10,000 rpm
Fuel system	Airbox with front dynamic air intakes. Variable length intake ducts controlled via ECU. 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 (Euro 3)
Lubrication	Wet sump lubrication system with oil radiator and two oil pumps
Transmission	6-speed cassette type gearbox Gear lever with Aprilia Quick Shift electronic system (AQS)
Clutch	Multiplate wet clutch with mechanical slipper system
Traction management	APRC System (Aprilia Performance Ride Control), which includes Traction Control (ATC), Wheelie Control (AWC), Launch Control (ALC), all of which can be configured and deactivated independently.
Chassis	Twin-spar adjustable aluminium frame, with castings and pressings. Envisaged adjustments: <ul style="list-style-type: none"> • headstock position and rake • engine height • swingarm pin height
Front suspension	Öhlins adjustable steering dumper Öhlins Racing upside-down fork, diam. 43-mm stanchions (with Tin surface treatment). Low profile forged aluminium radial caliper mountings. 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. Öhlins Racing monoshock with piggyback with completely adjustable: spring preload, wheelbase and hydraulic compression and rebound damping. APS progressive linkages. Wheel travel: 130 mm
Front Brakes	Front: 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 diam. 34-mm opposite. Sintered pads. Radial pump and metal braided brake hose
Rear Brakes	220-mm diameter disc; Brembo floating calliper with two diam. 32mm isolated pistons. Pump with integrated tank and metal braided hose
Rims	Aprilia forged aluminium alloy rims, completely machined, 5 split spokes. Front: 3.5"X17" Rear: 6"X17"
Tyres	Radial tubeless. Front: 120/70 ZR 17 Rear: 200/55 ZR 17 (alternative: 190/50 ZR 17; 190/55 ZR 17)
Dimensions	Max. length: 2040 mm Max. width: 735 mm (at the handlebar) Max. height: 1120 mm Saddle height: 845 mm
Kerb weight	179 kg (*Dry weight, without battery and fluids.)
Tank	17 litres (4-litre reserve included)