

APRILIA RSV4 1100 Factory: Technical Specifications

Engine type	Aprilia longitudinal 65° V-4 cylinder, 4-stroke, liquid cooling system, double overhead camshafts (DOHC), four valves per cylinder
Bore and stroke	81 x 52.3 mm
Total engine capacity	1,078cc (999,6 cc)
Compression ratio	13.6:1
Maximum power at crankshaft	217 HP (159.6 kW) at 13,200 rpm
Maximum torque at crankshaft	122 Nm at 11,000 rpm
Fuel system	Airbox with front dynamic air intakes. 4 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: Track, Sport, Race
Ignition	Magneti Marelli digital electronic ignition system integrated in engine control system, with one spark plug per cylinder and "stick-coil"-type coils
Starter	Electric
Exhaust	4 into 2 into 1 layout, two lambda probes, lateral single silencer with ECU-controlled bypass valve and integrated trivalent catalytic converter (Euro 4)
Alternator	Flywheel mounted 450 W alternator with rare earth magnets
Lubrication	Wet sump lubrication system with oil radiator and two oil pumps (lubrication and cooling)
Transmission	6-speed cassette type gearbox 1st: 39/15 (2.600) 2nd: 33/16 (2.063) 3rd: 34/20 (1.700) 4th: 31/21 (1.476) 5th: 34/26 (1.307) 6th: 33/27 (1.222)
Clutch	Gear lever with Aprilia Quick Shift electronic system (AQS) Multi plate wet clutch with mechanical slipper system
Primary drive	Straight cut gears and integrated flexible coupling, drive ratio: 73/44 (1,659)
Secondary drive	Chain: Drive ratio: 41/16 (2.562)
Traction management	APRC System (Aprilia Performance Ride Control), which includes Traction Control (ATC), Wheelie Control (AWC), Launch Control (ALC), cruise control (ACC) and speed limiter (APT), all of which can be configured and deactivated independently
Frame	Aluminium dual beam chassis with pressed and cast sheet elements Available adjustments: <ul style="list-style-type: none">• headstock position and rake• engine height• swingarm pin height
Front suspension	Öhlins adjustable steering damper Öhlins NIX fork with \varnothing 43 mm stanchions and TIN surface

	<p>treatment. Aluminium radial calliper mounting bracket. Adjustable spring preload and hydraulic compression and rebound damping. 125 mm wheel travel</p>
Rear suspension	<p>Double braced aluminium swingarm; mixed low thickness and sheet casting technology. Öhlins TTX monoshock with piggy-back, fully adjustable in: spring preload, wheelbase and hydraulic compression and rebound damping. 120 mm wheel travel.</p>
Brakes	<p>Front: Dual 330-mm diameter floating stainless steel disc with lightweight stainless steel rotor and aluminium flange with 6 pins. Brembo Stylema monobloc radial callipers with 4Ø 30 mm opposing pistons. Sintered pads. Radial pump and metal braided brake hose Rear: 220 mm diameter disc; Brembo calliper with two 32 mm separate pistons Ø. Sintered pads. Pump with integrated tank and metal braided hose</p> <p>Bosch 9.1 MP ABS with cornering function, adjustable to 3 maps equipped with RLM (Rear wheel Lift-up Mitigation).</p>
Wheel rims	<p>Forged aluminium alloy wheels, completely machined, with 5 split spoke design. Front: 3.5"X17" Rear: 6"X17"</p>
Tyres	<p>Radial tubeless. front: 120/70 ZR 17 rear: 200/55 ZR 17 (alternative: 190/50 ZR 17; 190/55 ZR 17)</p>
Dimensions	<p>Wheelbase: 1439 mm [1441.6 mm] Length: 2052 mm Width: 735 mm Saddle height: 851 mm Headstock angle: 24.5° Trail: 103.8 mm Weight: 199 kg kerb weight with a full tank of fuel; dry weight: 177 kg</p>
Consumption	6.50 litres/100 km
CO2 emissions	155 g/km
Fuel tank capacity	18.5 litres (including 4-litre reserve)