



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	1077 cc (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	Electrical
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) Gear lever with Aprilia Quick Shift electronic system (AQS)
Clutch	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:

The Aprilia logo is displayed in white lowercase letters on a red rectangular background.

- headstock position and rake
- engine height
- swingarm pin height

Smart EC 2.0 electronically managed Öhlins steering damper

Front suspension

Smart EC 2.0 electronically managed Öhlins NIX fork. Ø 43 mm stanchions, with TIN surface treatment.; Aluminium radial calliper mounting bracket. Adjustable spring pre-load and hydraulic compression and rebound damping. 125 mm wheel travel

Rear suspension

Double braced aluminium swingarm; mixed low thickness and sheet casting technology. Öhlins TTX monoshock with Smart EC 2.0 electronically managed piggy-back, fully adjustable in: spring pre-load, wheelbase and hydraulic compression and rebound damping. 115 mm wheel travel.

Brakes

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 4 Ø 30 mm opposing pistons. Sintered pads. Radial pump and metal braided brake hose

Rear: 220 mm diameter disc; Brembo calliper with two Ø 32 mm separate pistons. Sintered pads. Pump with integrated tank and metal braided hose

Bosch 9.1 MP ABS with cornering function, adjustable to 3 maps equipped with RLM (Rear wheel Lift-up Mitigation) (can be disabled).

Wheels

Forged aluminium alloy wheels, completely machined, with 5 split spoke design.

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

Wheelbase: 1439 mm

Length: 2052 mm

Width: 735 mm

Saddle height: 851 mm

Headstock angle: 24.5°

Trail: 103.8 mm

The Aprilia logo consists of the word "aprilia" in a white, lowercase, sans-serif font, centered within a solid red rectangular background.

Dry weight	177 kg
Kerb weight	199 kg with a full tank
Consumption	6.50 litres/100 km
CO2 emissions	155 g/km
Fuel tank capacity	18.5 litres (including 4-litre reserve)