

Aprilia Tuono V4 1100 RR: 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
Maximum power at crankshaft	175 HP (129 kW) at 11,000 rpm
Maximum torque at crankshaft	121 Nm at 9,000 rpm
Fuel system	Airbox with front dynamic air intakes. 4 Weber-Marelli 48-mm throttle bodies with 4 injectors and latest generation Ride-by-Wire engine management that the rider can select on the fly: T (Track), S (Sport), R (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 oxygen sensors, 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: 32/22 (1,455) 5th: 34/26 (1,308) 6th: 33/27 (1,222) Gear lever with Aprilia Quick Shift electronic system (AQS)
Clutch	Multiplate wet clutch with slipper system
Primary drive	Straight cut gears and integrated flexible coupling, drive ratio: 73/44 (1,659)
Secondary drive	Chain: Drive ratio: 42/15 (2.8)
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 (APL), all of which can be configured and deactivated independently
Frame	Aluminium dual beam chassis with pressed and cast sheet elements. SmartEC 2.0 electronically managed Öhlins steering damper [Sachs steering damper]
Front suspension	Sachs upside-down "one by one" fork, Ø 43 mm stanchions. Forged aluminium radial calliper mounting bracket. Completely adjustable spring preload and hydraulic compression and rebound damping. 117 mm wheel travel.
Rear suspension	Double braced aluminium swingarm; mixed low thickness and sheet casting technology. Sachs monoshock absorber with piggy-back, fully adjustable in: spring preload, hydraulic compression and rebound damping. APS progressive linkages. Wheel travel: 130 mm

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

Front: Dual 330-mm diameter floating stainless steel disc with lightweight stainless steel rotor with 6 pins. Brembo M50 monobloc radial callipers with 4 Ø30mm opposing pistons. Sintered pads. Radial pump and metal braided brake lines.

Rear: 220 mm diameter disc; Brembo floating calliper with two 32-mm Ø isolated pistons. Sintered pads. Master cylinder with built in reservoir and metal braided hose.

Bosch 9.1 MP ABS with cornering function, adjustable on 3 maps, featuring RLM strategy and can be disengaged.

Wheel rims

Cast aluminium wheels with 3 split spoke design.

Front: 3.5"X17"

Rear: 6.00"X17"

Tyres

Radial tubeless.

Front: 120/70 ZR 17

Rear: 190/55 ZR 17

Dimensions

Wheelbase: 1450 mm

Length: 2,070 mm

Width: 810 mm

Saddle height: 825 mm

Headstock angle: 27°

Trail: 99.7 mm

Dry weight

185 kg

Kerb weight

209 kg (with full tank of fuel)

Consumption

7.71 l/100 km

CO2 emissions

183 g/km

Fuel tank capacity

18.5 litres (including 4-litre reserve)