



Aprilia Tuono V4 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
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
Front suspension	SmartEC 2.0 electronically managed Öhlins NIX fork with TIN surface treatment. Forged aluminium radial calliper mounting bracket. Completely adjustable spring preload and hydraulic compression and rebound damping. 125 mm wheel travel.
Rear suspension	Double braced aluminium swingarm; mixed low thickness and sheet casting technology. SmartEC 2.0 electronically managed Öhlins monoshock absorber with piggy-back. APS progressive linkages. Wheel travel: 130 mm
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: 200/55 ZR 17 (alternative: 190/50 ZR 17; 200/55 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)