

TUONO V4 R / APRC: Technical specifications



Engine type	Aprilia longitudinal 65° V-4 cylinder, 4-stroke, liquid cooling system, double overhead camshafts (DOHC), four valves per cylinder
Fuel	Unleaded petrol
Bore and stroke	78 x 52.3 mm
Total engine capacity	999.6 cc
Compression ratio	13:1
Maximum power at crankshaft	167.3 CV (123 kW) at 11,500 rpm
Maximum torque at crankshaft	111.5 Nm at 9,500 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. 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
Starter	Electric
Exhaust system	4 into 2 into 1 layout, single oxygen sensor, lateral single silencer with ECU-controlled bypass valve and integrated trivalent catalytic converter (Euro 3)
Alternator	Flywheel mounted 420W 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)
Clutch	Gear lever with Aprilia Quick Shift electronic system (AQS) on APRC version Multiplate 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: 42/16 (2,625)
Traction control on specific APRC version	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	Aluminium dual beam chassis with cast and pressed sheet elements. (Sachs steering damper on APRC version)
Front suspension	Sachs upside down front fork with 43 mm stanchions. Forged aluminium calliper mountings for radial callipers. Completely adjustable spring preload and hydraulic compression and rebound damping. Wheel travel: 120 mm
Rear suspension	Double braced aluminium swingarm; mixed low thickness and sheet casting technology. Sachs piggy back monoshock with completely adjustable: spring preload and hydraulic compression and rebound damping. APS progressive linkage. Wheel travel: 130 mm
Brakes	Front: Dual 320 mm floating stainless steel discs with lightweight stainless steel rotor with 6 studs. Brembo radial callipers with 4 horizontally opposed 32 mm pistons. Sintered pads. Axial pump master cylinder and metal braided brake hoses. Rear: 220-mm diameter disc; Brembo floating calliper with two 32 mm isolated pistons. Pump with integrated tank and metal braided hose
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 (alternative: 190/50 ZR 17; 200/55 ZR 17)
Dimensions	(default settings) Max. length: 2065 mm Max. width: 800 mm (at the handlebar) Max. height: 1090 mm Min. height from the ground: 125 mm
Saddle height:	835 mm
Wheelbase:	1445 mm
Trail:	107.5 mm
Steering angle:	25°
Kerb weight	183 kg *
Tank	17 litres (4-litre reserve included)

*Kerb weight, without battery and fluids.

