

TUONO 1000 R FACTORY

TECHNICAL SPECIFICATIONS

Engine

V60 Magnesium. Longitudinal 60° V twin four stroke. Liquid cooling with three-way pressurised circuit. Double overhead cams, mixed gear/chain timing drive, four valves per cylinder. Patented AVDC anti-vibration double countershaft.

Fuel

95 RON unleaded petrol.

Bore and stroke

97 x 67.5 mm.

Displacement

997.62 cc.

Compression ratio

11.8:1.

Maximum power at the crank

102 kW (139 HP) at 9,500 rpm.

Maximum torque at the crank

10.9 kgm (107 Nm) at 8,500 rpm.

Fuel system

Integrated electronic engine management system. Indirect multi-point electronic fuel injection. 57 mm diameter throttle bodies. 10.3 litre airbox with Air Runner ram air intake.

Ignition

Digital electronic ignition, integrated with the fuel injection system. One spark plug per cylinder.

Starting

Electric starter.

Exhaust system

Two silencers with three way catalytic converter and lambda probe oxygen sensor (Euro 3).

Generator

12 V – 500 W.

Lubrication

Dry sump with separate oil reservoir.

Double trochoid pump with oil cooler.

Steel oil reservoir.

Gearbox

6 speed. Transmission ratios:

1st 34/15 (2.27)

2nd 31/19 (1.63)

3rd 26/20 (1.3)

4th 24/22 (1.091)

5th 24/25 (0.96)

6th 23/26 (0.88)

Clutch

Multiple disc in oil bath with patented PPC power-assisted hydraulic control.
Metal braided clutch hose.
Radial master cylinder.

Primary drive

Spur gears. Transmission ratio: 60/31 (1.935:1).

Final drive

Chain.
Transmission ratio: 40/16 (2.5:1).

Frame

Box section sloping twin-spar frame in aluminium alloy.

Front suspension

Öhlins Racing 43 mm upside-down fork with adjustment for spring preload, compression and rebound damping. 120 mm wheel travel.

Rear suspension

Aluminium alloy double member swingarm. APS (Aprilia Progressive System) rising rate linkages.
Öhlins Racing piggy-back monoshock with adjustment for spring preload, compression and rebound damping. Wheel travel 133 mm.

Brakes

Front: Brembo double floating disc in stainless steel, Ø 320 mm.
Brembo radial calipers with four 34 mm pistons and four sintered pads.
Metal braided brake hose.
Rear: Brembo stainless steel disc, Ø 220 mm. Single caliper with two 32 mm pistons and sintered pads. Metal braided brake hose.

Wheels

Forged, in aluminium alloy.
Front: 3.50 x 17"
Rear: 6.00 x 17".

Tyres

Radial tubeless.
Front: 120/70 ZR 17.
Rear: 180/55 ZR 17 (alternatives: 190/50 ZR 17 and 190/55).

Dimensions

Overall length: 2,025 mm
Overall width: 830 mm (at handlebars)
Overall height: 1,100 mm (at handlebars)
Seat height: 810 mm
Handlebar height: 1,020 mm at bar ends
Wheelbase: 1,410 mm
Trail: 103.7 mm
Steering rake angle: 25°

Dry weight (without battery)

181 kg dry *

Tank

Capacity 18 litres, 4 litre reserve.

Colours

Lion red

Accessories

Aprilia Street Legal slip-on silencers by Akrapovic; complete Aprilia Street Legal exhaust system by Akrapovic**; Öhlins adjustable steering damper; adjustable footrests in ergal; reverse gear shifter in Ergal; pair of OZ forged magnesium wheels (red); Z15 sprocket; slide protector kit; carbon fibre expansion chamber guard; carbon fibre oil reservoir guard; carbon fibre LH side cover; carbon fibre seat cover; carbon fibre LH/RH footrest guards; larger Plexiglas fairing kit; tank bag; tail bag; paddock stand; Aprilia electronic anti-theft system (+ installation kit).