

RSV4 R

Engine: Aprilia longitudinal 65° V-4 cylinder, 4-stroke, liquid cooling system, double overhead camshafts (DOHC), four valves per cylinder

Fuel: Unleaded fuel

Bore x Stroke: 78 x 52.3 mm

Total displacement: 999.6 cc

Compression ratio: 13:1

Maximum power at the crank: 180 CV (132,4 kW) a 12.500 rpm

Maximum torque at the crank: 115 Nm a 10.000 rpm

Fuel system: Airbox with front dynamic air intakes. 4 Weber-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: 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

Starting: Electric

Exhaust: 4 into 2 into 1 layout, single oxygen sensor, lateral single silencer with engine control unit-controlled butterfly valve and integrated trivalent catalytic converter (Euro 3)

Generator: Flywheel mounted 420W alternator with rare earth magnets

Lubrication: Wet sump lubrication system with oil radiator and two oil pumps (lubrication and cooling)

Gear box: 6-speed cassette type gearbox 1st: 39/15 (2.6) 2nd: 33/16 (2,063) 3rd: 34/20 (1.7) 4th: 32/22 (1,455) 5th: 34/26 (1,308) 6th: 33/27 (1,222)

Clutch: Multiplate wet clutch with mechanical slipper system

Primary drive: Straight cut gears and integrated flexible coupling, drive ratio: 73/44 (1,659)

Final drive: Chain: Drive ratio: 40/16 (2.5) or 42/16 (2.625)

Frame: Aluminium dual beam chassis with pressed and cast sheet elements. Sachs steering damper

Front suspension: Upside-down Showa fork with Ø 43 mm stanchions. Forged aluminium radial calliper mounting brackets. Completely adjustable spring preload and hydraulic compression and rebound damping. Wheel travel: 120 mm

Rear suspension: Twin sided aluminium swingarm; mixed low thickness and sheet casting technology. Sachs piggy back monoshock with completely adjustable: spring preload, wheelbase, hydraulic compression and rebound damping. APS progressive linkage. Wheel travel 130mm

Brakes: Front: Dual 320-mm diameter floating stainless steel disc with lightweight stainless steel rotor and aluminium flange with 6 pins. Brembo monobloc radial callipers with 4 Ø 34-mm opposite. 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

Wheels: Front: Aluminium alloy with 6 split spokes, 3.5"X17" Rear: Aluminium alloy with 5 split spokes, 6"X17"

Tyres: Radial tubeless. Front: 120/70 ZR 17 Rear: 190/55 ZR 17 (alternative: 190/50 ZR 17)

Dimensions: Max. length: 2040 mm Max. width: 735 mm (at the handlebar) Max. height: 1120 mm Min. height from the ground: 130 mm Saddle height: 845 mm Centre to centre distance: 1420 mm Trail: 105 mm Steering angle: 24.5°

Dry weight: 184 kg *

Fuel tank capacity: 17 litres (4-litre reserve included)

Other: * Kerb weight, without battery and fluids.