

## NEW RSV4 RR

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| <b>Engine type</b>                  | Aprilia longitudinal 65° V4 cylinder, 4-stroke, liquid cooled engine with dual overhead cam (DOHC) and four valves per cylinder  |
| <b>Fuel</b>                         | Unleaded Petrol  |
| <b>Bore and stroke</b>              | 78 x 52.3 mm   |
| <b>Total engine capacity</b>        | 999.6 cc   |
| <b>Compression ratio</b>            | 13.6:1   |
| <b>Maximum power at crankshaft</b>  | 201 HP (148 kW) at 13,000 rpm  |
| <b>Maximum torque at crankshaft</b> | 115 Nm at 10.500 rpm   |
| <b>Fuel system</b>                  | Airbox with front dynamic air intakes. Variable-height intake ducts controlled by engine control unit; 4 Marelli 48 mm throttle bodies with 8 injectors and latest-generation Ride-by-Wire technology. Choice of three different engine maps selectable by the rider with bike in motion: T (Track), S (Sport), R (Race) |
| <b>Ignition</b>                     | Magneti Marelli digital electronic ignition system integrated in engine control system, with one spark plug per cylinder and “stick-coil”-type coils   |
| <b>Starting</b>                     | Electrical   |
| <b>Exhaust</b>                      | 4 into 2 into 1 layout, two oxygen sensors, lateral single silencer with ECU-controlled bypass valve and integrated trivalent catalytic converter (Euro 3)   |
| <b>Alternator</b>                   | Flywheel mounted 450 W alternator with rare earth magnets  |
| <b>Lubrication</b>                  | Wet sump lubrication system with oil radiator and two oil pumps (lubrication and cooling)  |
| <b>Gearbox</b>                      | 6-speed cassette type gearbox<br>1st: 39/15 (2.600)<br>2nd: 33/16 (2.063)<br>3rd: 34/20 (1.700)<br>4th: 31/21 (1.476)<br>5th: 31/23 (1.348)<br>6th: 34/27 (1.259)<br>Gear lever with Aprilia Quick Shift electronic system (aQS)   |
| <b>Clutch</b>                       | Multi-disc oil-bath, with mechanical slipper system  |
| <b>Primary drive</b>                | Straight cut gears and integrated flexible coupling, drive ratio: 73/44 (1.659)  |
| <b>Secondary drive</b>              | Chain: Drive ratio: 41/16 (2.5625)   |
| <b>Traction management</b>          | 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.  |

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| <b>Frame</b>            | Aluminium dual beam chassis with pressed and cast sheet elements.<br>Envisaged adjustments: <ul style="list-style-type: none"> <li>• headstock position and rake</li> <li>• engine height</li> <li>• swingarm pin height</li> </ul>   |
| <b>Front suspension</b> | Non adjustable Sachs steering damper [Adjustable Öhlins steering damper]<br>Sachs Fork with 43 mmØ stanchions; [Öhlins Racing Fork with TIN surface treatment]. Low profile forged aluminium radial calliper mounting bracket. Adjustable spring preload and hydraulic compression and rebound damping. Wheel travel: 120 mm  |
| <b>Rear suspension</b>  | Double braced aluminium swingarm; mixed low thickness and sheet casting technology.<br>Sachs monoshock adjustable in: hydraulic in rebound and compression, spring preload, wheelbase length [Öhlins Racing monoshock with piggy-back, fully adjustable in: spring preload, wheelbase length, hydraulic in compression and rebound]. APS progressive linkages. Wheel travel 130 mm  |
| <b>Brakes</b>           | Front: Dual 320-mm diameter floating stainless steel disc with lightweight stainless steel rotor and aluminium flange with 6 pins. Brembo M430 monobloc radial callipers with 4 Ø 30 mm opposing pistons. Sintered pads. Radial pump and metal braided brake hose<br>Rear: 220 mm diameter disc; Brembo calliper with two Ø 32 mm separate pistons. Sintered pads. Pump with integrated tank and metal braided hose<br><br>Bosch 9MP ABS, adjustable to 3 maps equipped with RLM (Rear wheel Lift-up Mitigation) (can be disabled). |
| <b>Wheel rims</b>       | Aprilia aluminium alloy rims with 3 split spokes, [forged aluminium alloy, completely machined, 5 split spokes].<br>Front: 3.5"X17"<br>Rear: 6"X17"   |
| <b>Tyres</b>            | Radial tubeless.<br>Front: 120/70 ZR 17<br>Rear: 200/55 ZR 17 (alternative: 190/50 ZR 17; 190/55 ZR 17)   |
| <b>Dry weight</b>       | 180 kg*   |
| <b>Fuel tank</b>        | 18.5 litres (4-litre reserve included)  |

\*Dry weight, without battery and fluids.