



RSV4 FACTORY - TECHNICAL SPECIFICATIONS

ENGINE TYPE	Aprilia 4 longitudinal 65° V4 cylinder, 4-strokes, liquid cooling system, double overhead camshaft (DOHC), four valves per cylinder
BORE AND STROKE	81 x 53.32 mm
TOTAL ENGINE CAPACITY	1,099 cc
COMPRESSION RATIO	13.6:1
MAXIMUM POWER AT CRANKSHAFT	217 HP (159.5 kW) at 13,000 rpm
MAXIMUM TORQUE AT CRANKSHAFT	125 Nm at 10,500 rpm
POWER SUPPLY	Airbox with front dynamic air intakes. 4 Marelli 48-mm throttle bodies with 8 injectors and Ride-By-Wire engine management.
TRANSMISSION	6-speed cassette type gearbox Gear lever with Aprilia Quick Shift electronic system (AQS)
CLUTCH	Multi plate 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: 41/16 (2,562)
CONTROLS MANAGEMENT	APRC system (Aprilia Performance Ride Control) that includes engine maps (AEM), engine brake control (AEB), traction control (ATC), wheelie control (AWC), launch control (ALC), cruise control (ACC), speed limiter (APT). 6 riding modes (3 Road, 3 Track)
CHASSIS	Aluminium dual beam chassis with pressed and cast sheet elements Available adjustments: headstock position and angle, engine height, swingarm pin height Smart EC 2.0 electronically managed Öhlins steering damper
FRONT SUSPENSION	Smart EC 2.0 electronically managed Öhlins NIX fork. Ø 43 mm stanchions, with TIN surface treatment Aluminium radial calliper mounts, adjustable in hydraulic compression and rebound damping and spring pre-load, 125 mm travel
REAR SUSPENSION	Upside-down double braced aluminium swingarm; Öhlins TTX monoshock with Smart EC 2.0 electronically managed piggy-back, fully adjustable in: spring pre-load, wheelbase and hydraulic compression and rebound damping. 115 mm travel
BRAKES	Front: Dual 330-mm diameter floating stainless steel disc with lightweight stainless steel rotor and aluminium flange with 6 pins. Brembo Stylema® monobloc radial callipers with 4 Ø 30 mm opposing pistons. 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 Bosch ABS with cornering function and 3 map settings, equipped with RLM (Rear wheel Lift-up Mitigation) strategy
WHEELS	Forged aluminium alloy wheels, completely machined, with 5 split spoke design. Front: 3.5"x17" Rear: 6"x17"
TYRES	Radial tubeless. front: 120/70 ZR 17 rear: 200/55 ZR 17 (alternative: 190/50 ZR 17; 190/55 ZR 17)
DIMENSIONS	Wheelbase: 1435.8 mm Length: 2055 mm Width: 735 mm Saddle height: 845 mm Headstock angle: 24.6° Trail: 104.5 mm
KERB WEIGHT	202 kg (90% fuel)
EMISSIONS COMPLIANCE	Euro 5
CONSUMPTION	6.90 litres/100 km
CO2 EMISSIONS	160 g/km
FUEL TANK CAPACITY	17.9 litres (including 4-litre reserve)
COLOUR RANGE	Lava Red, Aprilia Black