



## TECHNICAL SPECIFICATIONS

ENGINE TYPE	Aprilia longitudinal 65° V4 cylinder, 4-stroke, liquid cooled engine with dual overhead cam (DOHC) and four valves per cylinder
FUEL	Unleaded petrol
BORE AND STROKE	81 x 52.3 mm
TOTAL ENGINE CAPACITY	1077 cc
MAX.POWER AT CRANKSHAFT	175 HP (129 kW) at 11,000 rpm
MAX.TORQUE AT CRANKSHAFT	121 Nm at 9,000 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 that the rider can select on the fly. T (Track), S (Sport), R (Race)
IGNITION	Magneti Marelli digital electronic ignition system integrated in engine control system, with one spark plug per cylinder and "stick-coil"-type coils
STARTER	Electrical
EXHAUST	4 into 2 into 1 layout, two oxygen sensors, lateral single silencer with ECU-controlled bypass valve and integrated trivalent catalytic converter (Euro 4).
ALTERNATOR	Flywheel mounted 450 W alternator with rare earth magnets
LUBRICATION	Wet sump lubrication system with oil radiator and two oil pumps (lubrication and cooling)
GEARBOX	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) Gear lever with Aprilia Quick Shift electronic system (AQS)
CLUTCH	Multiplate wet clutch with slipper system.
PRIMARY DRIVE	Straight cut gears and integrated flexible coupling, drive ratio: 73/44 (1.659)
SECONDARY DRIVE	Chain: Drive ratio: 42/15 (2.8)
TRACTION MANAGEMENT	APRC System (Aprilia Performance Ride Control), which includes Traction Control (ATC), Wheelie Control (AWC), Launch Control (ALC), cruise control (ACC) and speed limiter (APL), all of which can be configured and deactivated independently
TRANSPORT FRAME	Aluminium dual beam chassis with pressed and cast sheet elements. Sachs steering damper
FRONT SUSPENSION	Upside-down "one by one" Sachs fork, Ø 43 mm stanchions. Forged aluminium radial calliper mounting bracket. 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 monoshock with piggy-back, fully adjustable in: spring preload, hydraulics in compression and rebound. APS progressive linkages. Wheel travel: 130 mm
BRAKES	Front: Dual 330 mm floating stainless steel discs with lightweight stainless steel rotor with 6 M50 4 32 studs. Brembo M432 monobloc radial callipers with 4 Ø 30 mm opposing pistons Sintered pads. Radial pump and metal braided brake lines Rear: 220 mm diameter disc; Brembo floating calliper with two Ø 32 mm separate pistons. Sintered pads. Master cylinder with built in reservoir and metal braided hose. Bosch 9.1 MP ABS with cornering function, adjustable on 3 maps, featuring RLM strategy and can be disengaged.
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	Saddle height: 825 mm Trail: 99.7 mm Steering angle: 24.7°
TANK	18.5 litres (4-litre reserve included)