

TECHNICAL SPECIFICATIONS

ENGINE TYPE	Aprilia longitudinal 65° V-4 cylinder, 4-stroke, liquid cooling system, double overhead camshafts (DOHC), 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. Multiple engine maps selectable by the rider with bike in motion: 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	Electric
EXHAUST	4 into 2 into 1 layout, single oxygen sensor, lateral single silencer with ECU-controlled bypass valve and integrated trivalent catalytic converter (Euro 3)
ALTERNATOR	Flywheel mounted 450W 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 1°: 39/15 (2.600); 2°: 33/16 (2,063); 3°: 34/20 (1.700) 4°: 32/22 (1.455); 5°: 34/26 (1.308); 6°: 33/27 (1.222) 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: 42/15 (2.8)
TRACTION MANAGEMENT	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.
CHASSIS	Aluminium dual beam chassis with pressed and cast sheet elements. Öhlins steering damper.
FRONT SUSPENSION	Öhlins fork with TIN surface treatment, Ø 43 mm stanchions. Forged aluminium feet for radial calliper mounting. Completely adjustable spring preload and hydraulic compression and rebound damping. Wheel travel: 110 mm
REAR SUSPENSION	Double braced aluminium swingarm; mixed low thickness and sheet casting technology. Öhlins monoshock with piggy-back, fully adjustable in: spring preload, wheelbase and hydraulic compression and rebound damping. APS progressive linkage. Wheel travel: 130 mm
BRAKES	Front: Dual 320 mm floating stainless steel discs with lightweight stainless steel rotor with 6 M432 4 32 studs and aluminium flanges. Brembo M432 monobloc radial callipers with 4 Ø 32 mm opposing pistons Sintered pads. Axial pump master cylinder and metal braided brake hoses. Rear: 220 mm diameter disc, Brembo floating calliper with two 32-mm Ø isolated pistons. Sintered pads. Pump with integrated tank and metal braided hose. ABS Bosch 9MP, 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: 200/55 ZR 17 (alternative: 190/50 ZR 17; 190/55 ZR 17)
DIMENSIONS	Saddle height: 825 mm Trail: 99.7 mm Steering angle: 24.7°
DRY WEIGHT	184 kg *
TANK	18.5 litres (4-litre reserve included)