

Aprilia Dorsoduro 900 – technical specifications

Engine type	Aprilia V90 Longitudinal 90° V-twin engine, 4-stroke, liquid cooled, double overhead camshaft with mixed gear/chain timing system, four valves per cylinder, Ride-by-wire system
Fuel	Unleaded petrol
Bore and stroke	92 x 67.4 mm
Total engine capacity	896.1 cc
Compression ratio	11 : 1
Maximum power at crankshaft	70.0 kW (95.2 HP) at 8,750 rpm
Maximum torque at crankshaft	90.0 Nm (9.17 kgm) at 6,500 rpm
Fuel system	Integrated engine management system. Injection with 3-map Ride-by-wire throttle valve opening management (Sport, Touring, Rain)
Ignition	Digital electronic, integrated with the injection
Starter	Electric
Exhaust	100% stainless steel 2-in-1 exhaust system with three-way catalytic converter and oxygen sensor
Alternator	450 W at 6,000 rpm
Lubrication	Wet sump
Gearbox	6 speeds, drive ratio: 1st 14/36 (2.57) 2nd 17/32 (1.88) 3rd 20/30 (1.5) 4th 22/28 (1.27) 5th 23/26 (1.13) 6th 24/25 (1.04)
Clutch	Multiplate wet clutch, hydraulically operated
Primary drive	Straight cut gears, drive ratio: 38/71 (1.87)
Secondary drive	Chain-driven
Frame	Modular tubular steel frame fastened to aluminium side plates by high strength bolts. Dismountable rear frame
Front suspension	Upside-down fork, stanchions \varnothing 41 mm. Adjustable hydraulic rebound damping and spring preload. Wheel travel 160 mm.
Rear suspension	Aluminium alloy swingarm Hydraulic shock absorber with adjustable extension and spring preload Wheel travel 160 mm.
Brakes	Front: Dual \varnothing 320 mm stainless steel floating discs. Radial, four-piston callipers. Metal braided brake hose Rear: \varnothing 240 mm stainless steel disc. Single piston calliper. Metal braided brake hose. Continental two-channel ABS system
Wheel rims	Aluminium alloy Front: 3.50 X 17" Rear: 6.00 x 17"
Tyres	Radial tubeless tyres; front: 120/70 ZR 17 rear: 180/55 ZR 17
Tank	Max length 2210 mm 12 l (range > 200 km)