

# RS 125 racing replica

aprilia

sport motorcycle

[www.aprilia.com](http://www.aprilia.com)



born to run, made to win.



# RS 125 racing replica

sport motorcycle

technical views

aprilia - 1999 world racing champions

*With the RS 125 you no longer have any need for comparison. It is the replica of the World Champion motor-cycle, transferred from the race-track to the road.*

*No other 125cc bike can do this. No other 125cc can get between you and the tarmac, allowing you to experience the same sensations: incredible aerodynamics, perfect mechanical parts and advanced technology, providing you with the purest of emotions.*

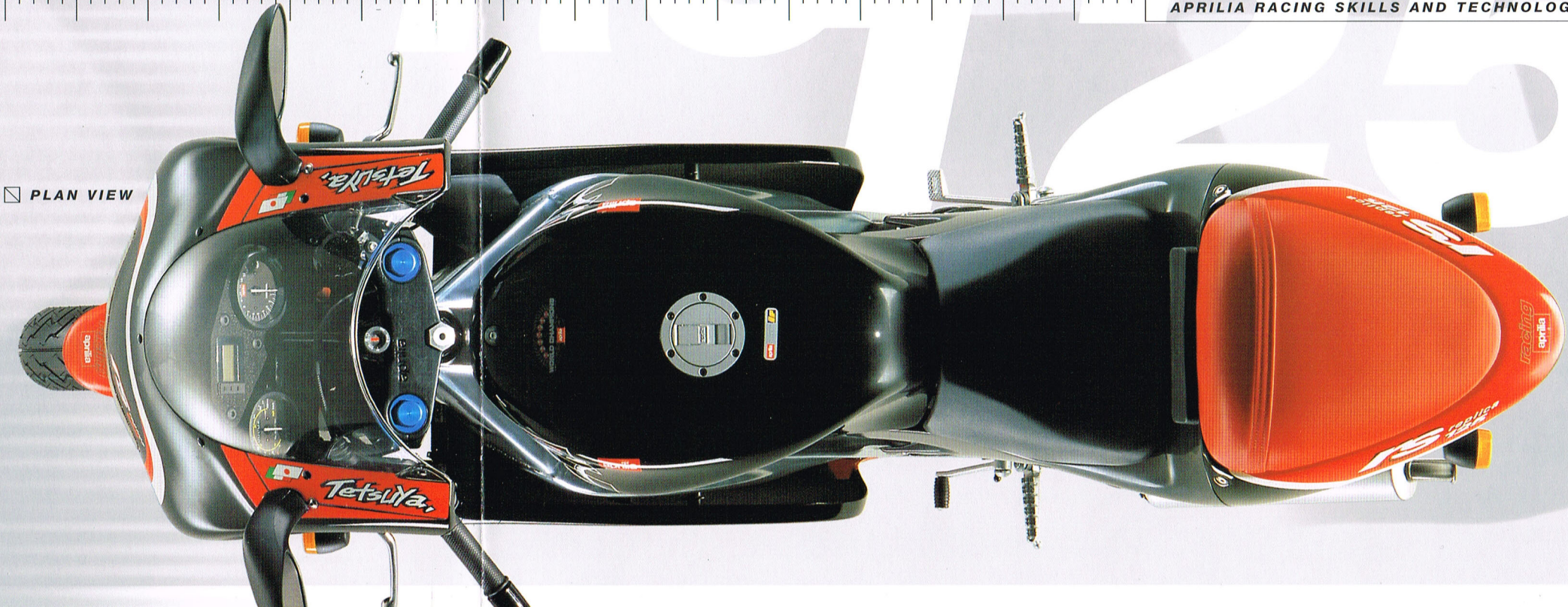
*Because choosing the RS 125 means entrusting your passion to the great Aprilia experience: 14 times World Champion, one thousand times in the lead.*



ELEVATION VIEW

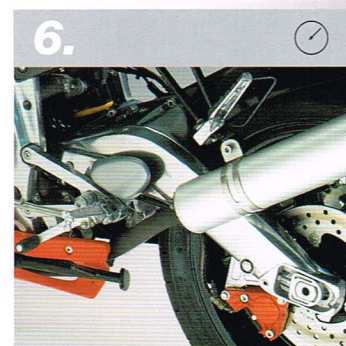
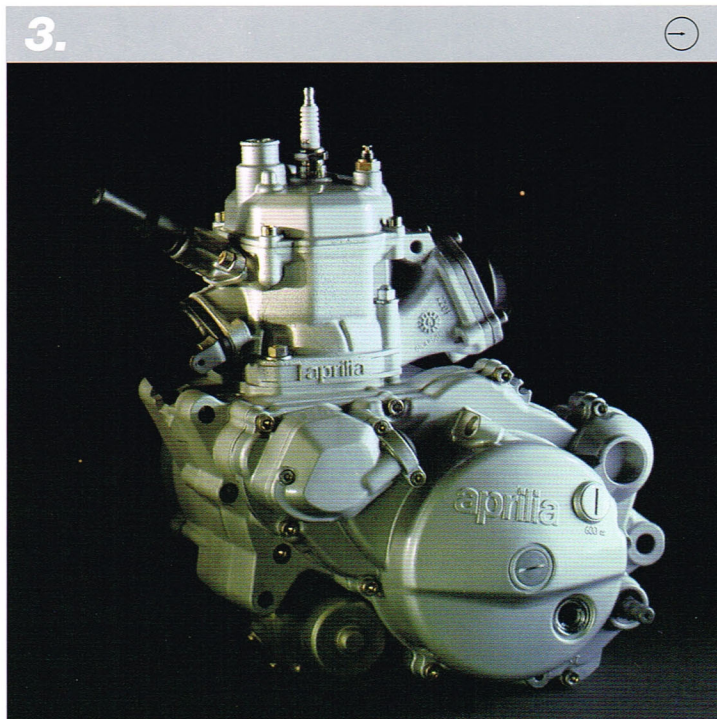
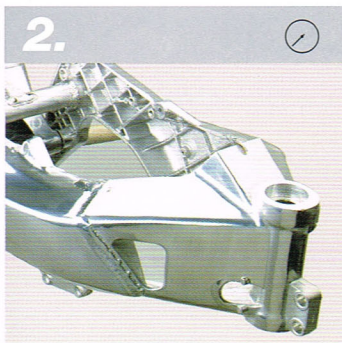


PLAN VIEW



APRILIA RACING SKILLS AND TECHNOLOGY





## 1. Racing dashboard

Your expert eye cannot miss the most exclusive details of the RS 125 instrument panel: the built-in computer complete with racing chronometer; extremely easy reading in all conditions.

## 2. Aluminium frame

Springing directly from the experience of the Aprilia racing team, the frame with perimetral beams has enabled the RS 125 to achieve the highest degree of torsional rigidity among all the other mass-produced 125cc bikes: this technological achievement allows absolute control and unrivalled performance.

## 3. Two-stroke engine

The racing aerodynamics and the optimum weight distribution of the RS 125 are accompanied by the winning performances of the liquid-cooled two-stroke 125cc engine: even more reliable, and able to provide a generous "reserve" of power, to tackle every situation with determination.

## 4. Front fork

The suspensions play a fundamental role, not only for comfort but also and above all for safety and performance. The upside-down front fork, rods with 41 mm diameter and wheel travel 120 mm, has been further improved on the basis of the experience of the Aprilia 125 Challenge Trophy, which since 1997 has been taking the RS 125 on tracks all over Europe.

### - new rims with five spokes

Even more sporty, lighter and stronger at the same time, the new alloy rims with five spokes are fitted with radial tubeless tyres, able to ensure maximum grip in any road condition.

## 5. Aerodynamic tailpiece

The new "tail" increases both the aerodynamics and the functionality of the RS 125. Provided with a built-in pillion for the passenger, it also contains a roomy, practical compartment under the seat.

## 6. Rear fork

The swinging rear fork, made of aluminium alloy, provides the optimum finishing touch for the extraordinary frame of the RS 125. Its unmistakable asymmetrical design is a really distinctive "sign" of the superiority of Aprilia technology!

The looks of the RS 125 are also worthy of a Grand Prix. It comes in two colour schemes: Black and Red or Grey and Yellow.







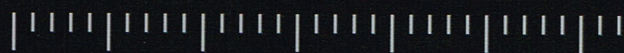
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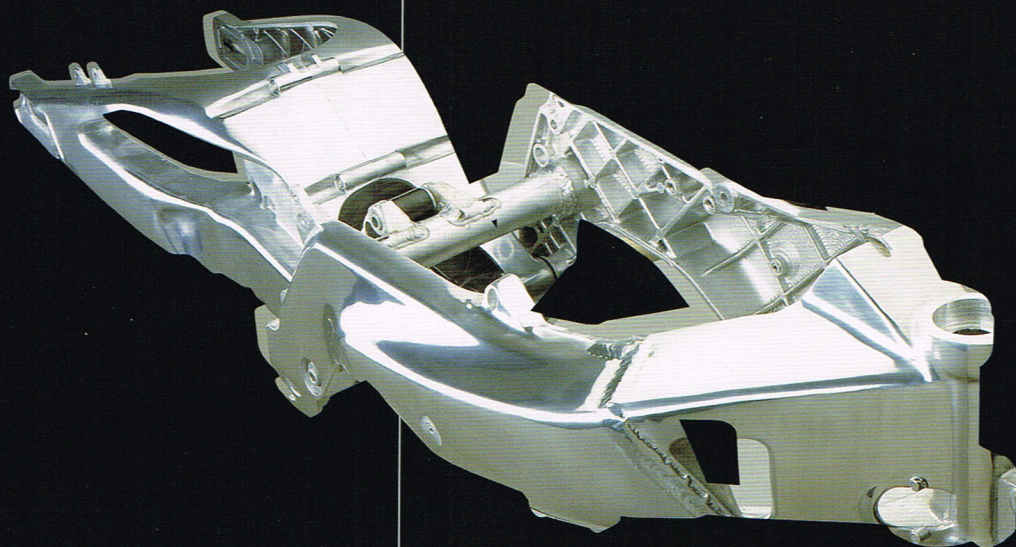
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**racing**  
**technology**



**aluminium racing frame**





# RS 125 racing replica

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Engine	Type single-cylinder, two-stroke, liquid-cooled. Cylinder in aluminium with Gilnasil coating, reed valve and discharge valve
Bore and Stroke	54 x 54.5 mm.
Displacement	124.8 cc
Compression Ratio	12.5 ± 0.5:1
Carburettor	Dell'Orto PHBH 28 BD
Ignition	electronic with fixed spark advance CDI
Start-up	electric
Generator	12V-180W
Lubrication	separate mixer with volumetric variable capacity pump
Gearbox	6 ratio
Primary transmission	toothed gearing
Clutch	multiple discs in oil bath
End transmission	chain driven
Frame	double sloping beam in aluminium fusion with thin-walled monocoque and crossed-rib stiffening completely polished.
Suspensions	front: upside-down telescopic fork in high tensile steel, Ø 40 mm., travel 120 mm. rear: swinging fork with asymmetric arms, in aluminium fusion with thin-walled monocoque; single hydraulic shock absorber, travel 120 mm.
Brakes	front: floating disc Ø 320 mm, caliper with four parallel pistons; rear: disc brake, Ø 220 mm, caliper with two pistons Ø 32 mm
Rims	with spokes, light alloy; front: 3.00 x 17"; rear: 4.00 x 17"
Tyres	radial tubeless; front: 110 /70 ZR 17"; rear: 150/60 ZR 17"
Dimensions	max length 1950 mm. max width 720 mm. max height 1135 mm. wheel base 1345 mm. saddle height 805 mm
Dry Weight	142 kg
Fuel tank	Capacity 14 litres (reserve 3.5 litres)

Specifications refer to the Italian market.



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Drive safely always wearing a helmet and protective clothing. Observe the laws of the road and respect the environment. Carefully read the owners' handbook.  
Photographs, technical data, specifications and colours shown in this brochure refer to the Italian market version and may be subject to change without prior notice. Ask your official Aprilia dealers for full details.  
In order to maintain your machine in a safe and efficient manner, always demand official Aprilia Spare Parts, which are guaranteed by Aprilia Quality Service in respect of current legislation.