

**SX125 RX125**

**aprilia**



- 1.THE NEW SX-RX 125 RANGE**
- 2.CONCEPT**
- 3.THE NEW ENGINE**
- 4.AESTHETICS**
- 5.DASHBOARD**
- 6.SAFETY AND CHASSIS**
- 7.COLOR RANGE**
- 8.CRITICAL SUCCESS FACOTRS**
- 9.UNIQUE SELLING PROPOSITION**
- 10.TECH SHEET**
- 11.CUSTOMER PROFILE**



## **THE NEW SX-RX 125 RANGE**

Aprilia SX and RX 125 are the latest heirs to Aprilia's outstanding history in off-road racing; a strong reputation built over the years, thanks to lightweight and high-performance bikes, extremely fun to ride on everyday roads and on the most demanding off-road trails. The two entry-level bikes into the Aprilia world have now been revamped in the engine, with the goal of providing greater riding satisfaction for the person gripping the handlebar.



## **CONCEPT**

As per tradition, SX and RX 125 share the same technical base, but they are characterised by a rather different connotation which caters to different passions: SX 125 is the supermotard from Aprilia intended for fun on the road and on the racing trails; RX 125 has more of an off-road connotation and it is ready to tackle any type of terrain. Both are dedicated to young and demanding riders, not only in terms of performance, but also when it comes to the style and safety of everyday riding.

### **SX 125**

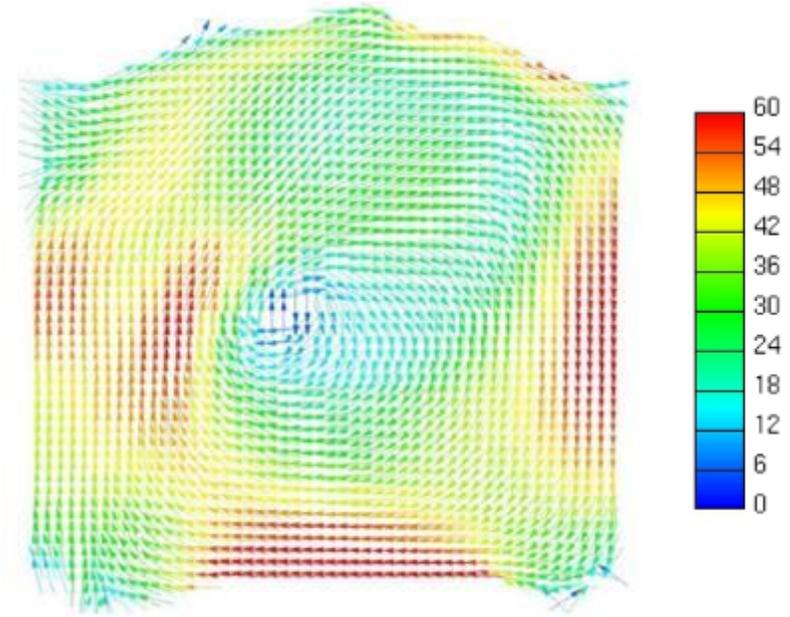
The 17" wheels shod with sports tyres make Aprilia SX one of the most effective 125 bikes on road routes; quick and light, it provides bar-setting performance, thanks in part to its revamped engine with best-in-class performance. All complemented by a line inspired by the Aprilia motorcycles that marked a new trend in off-road design.

### **RX 125**

Aprilia RX is dedicated to off-road enthusiasts. The wheels, typical off-road sizes (21" at the front and 18" at the rear) are shod with knobby tyres and leave no doubts as to the RX's goals: rigour and absolute control on any terrain.

## **THE NEW ENGINE**

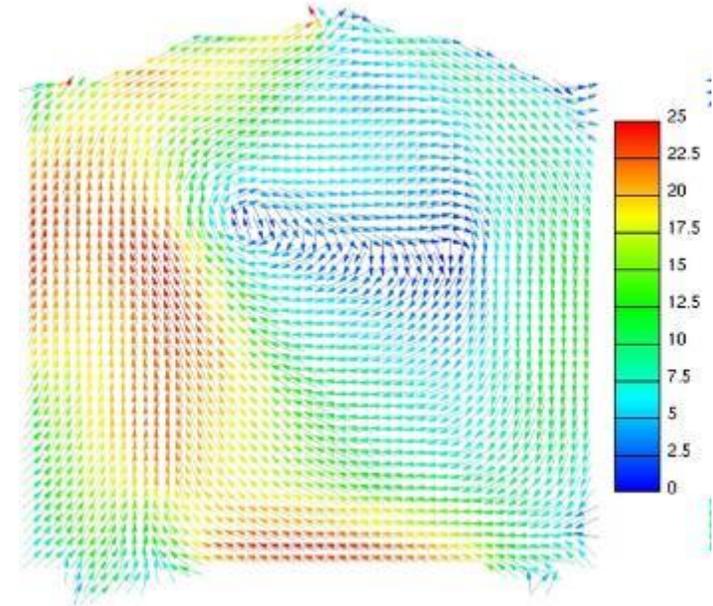
On both models, the new engine at the top of the category in terms of performance makes its début. It is a liquid-cooled single-cylinder with four-valve timing, entirely revamped in the thermodynamics area, with a new head for the redesigned combustion chamber, new intake and exhaust ducts and a new iridium spark plug. The cam axles with more aggressive valve control are also new, as are the bucket tappets and the valve springs, whereas the entire intake line was redesigned and now has a brand-new air filter. The throttle body is now located in a higher position in order to make the intake air flow to the head more direct.



The vortex that is generated is well organized and without secondary structures. Perfectly centered in the chamber.

## **THE NEW ENGINE**

The exhaust line was entirely redesigned and has a new exhaust system featuring a new and more efficient catalysis system, as well as a new steel silencer, refined by the Aprilia logo. The torque curve is now even more robust and maximum power is developed at lower revs which, among other things, allows for lower fuel consumption, thanks in part to the more refined electronic management guaranteed by the new Marelli MIUG4 ECU. On the road, this translates into more responsive performance when the throttle is twisted, providing more fun in sport and easier handling in city commutes and off-road riding alike.



Even at low revs, the new shape of the ducts and chamber enables an organized charge motion to be maintained (the E4 head has a lower energy level). During the subsequent compression phase, the vortex will be accelerated and eventually destroyed, generating a higher level of turbulence. The associated combustion will therefore be faster (higher thermodynamic efficiency) and more regular (less cyclic dispersion and greater combustion regularity).

## **AESTHETICS**

This family of eye-catching off-road motorcycles boasts a modern design that serves functionality. Minimalist front and rear fenders are designed for function, simplicity, and lightness. The styling of SX 125 and RX 125 leaves no room for pointless frills and gadgets. Great attention has been paid to the finish: the frame, as well as the engine, swingarm, rims and double-section aluminum handlebars are painted in an eye-catching black, while the profile of the tank changes and becomes more refined and essential. To complete the look a strong, tapered handlebars in light weight aluminum and a sturdy skid plate to help protect the underside of the motorcycle from damage.



## **AESTHETICS**

A smooth, continuous curve comprising fuel tank, seat and tail cowl gives the new RX 125 and SX 125 a fluid look. Enhanced all the loud graphic treatment and the Italian flag decals, underlining Aprilia' racing heritage. New graphic details, as the new satin finished stainless steel exhaust customized with the Aprilia logo and LED taillight and the bicolor saddle, gives to the new range a modern look. A new under seat compartment in which the USB socket (available as an accessory) can be fixed. The modern bodywork and the new graphic treatment of the side panels and the bicolor saddle, underline the fresh look in all the colors versions. The neat nosecone fairing that features a distinctive headlight is now adorned with new decals. Even the fender and the fork protectors gives a sharp image to the vehicles.



## **DASHBOARD**

Versatile and practical SX and RX were born for everyday use. They are equipped with a sophisticated digital instrumentation that is compact, modern and easy to read; in addition to the most common functions, the multifunction digital dashboard also boasts a travel diary, with the possibility of displaying maximum speed and two partial odometers that indicate the kilometers covered during the riding sessions.

### **Functions:**

- Speedometer (selectable in Kilometers or miles)
- Engine temperature indicator
- Service indicator
- Clock
- Travel diary: total distance, 2 partial odometer, battery voltage, maximum speed
- Oil level warning
- Fuel reserve warning

### **Warning lights:**

- ABS fault indicator
- OBD light
- Indicators
- Headlamps
- Neutral



## **SAFETY AND CHASSIS**

The safety of the Aprilia SX and RX is entrusted to evolved suspension and an absolute top level braking system equipped with ABS which guarantees, great power and excellent modulability, safety and improved efficiency. Aprilia is the first in this market segment to introduce the Bosch ABS system with anti roll-over which acts on the front wheel, guaranteeing on one hand precision and total control when braking, and on the other regulating the lifting of the rear wheel during hard braking. A 300 mm front disc for the SX with a dual-piston floating caliper is complemented by a 220 mm rear disc, also equipped with a floating caliper. The RX boasts two fascinating wave discs, 260 mm front and 220 mm rear, a clear reference to the racing world.

The sturdy twin-tube steel frame is coupled with oversized suspension: the 41 mm upside-down telescopic fork provides 240 mm of wheel travel. At the rear, the long swingarm optimizes traction; 210 mm of wheel travel is provided by a progressive linkage monoshock.



## COLOR RANGE



### RALLY TRIBUTE

This color version is dominated by colours that represent the heritage of Aprilia. The pairing of purple and red is a tribute to the Tuareg Rally 125. **Available for RX and SX.**



### RED RACEWAY

Aprilia racing colors that underline the sporty character of this colour version. **Available only for SX.**



### SILVER SPEEDWAY

This colour version stands out for its dark look, also very much a part of Aprilia sports history, with red details and the famous Italian flag decals. **Available for RX and SX.**

## CRITICAL SUCCESS FACTORS



### **VEHICLE CROSS-INSPIRED ALSO SUITABLE FOR ASPHALT**

A kind of motorcycle that is able to assure fun in the city traffic and off-road.



### **EASY TO RIDE**

Light and manoeuvrable user-friendly bikes that are at home on a variety of road surfaces



### **SAFE AND FUN**

Designed with safety and enjoyment in mind to offer reassurance to novice riders and their parents.



### **STAND OUT DESIGN**

Bikes with a modern and attractive design that combines a sense of fun and metropolitan style.



## UNIQUE SELLING PROPOSITION



**THE ONLY ENDURO 125 / MOTARD 125 EQUIPPED WITH ABS**



**MOST COMPLETE ENDURO 125 / MOTARD 125 PACKAGE**

- Tapered handlebar
- Skid plate
- Wave disc (on rx)
- Digital dash



**THE ONLY ENDURO 125 / MOTARD 125 PRODUCED BY AN INTERNATIONALLY REKNOWNED MOTORCYCLE MANUFACTURER**

- Aprilia is the only mainstream manufacturer to offer both enduro and super motard versions, alongside race replica and naked models, in the 125cc category.

## SX-RX 125 TECH SHEET

Aprilia SX 125 and RX 125 - Technical Data Sheet	
Engine type	Single-cylinder, 4-stroke, 4-valve, DOHC, liquid cooling
Bore and stroke	58 x 47 mm
Total engine capacity	124.2 cc
Compression ratio	12.0~12.6 : 1
Max Power	11 kW at 10,000 rpm
Maximum torque at crankshaft	11.2 Nm at 8,000 rpm
Ignition	ECU Electronics Magneti Marelli MIUG4 ø 32 mm
Starting	Electrical
Lubrication	Wet sump
Transmission	6 speed, drive ratio:
	1st 11/33
	2nd 15/30
	3rd 18/27
	4th 20/24
	5th 25/27
6th 23/22	
Clutch	Multi plate wet clutch
Primary drive	Straight cut gears, drive ratio: 29/69
Final drive	Chain, drive ratio:
	SX: 13/62 RX: 13/69
Chassis	Twin-tube steel frame

Aprilia SX 125 and RX 125 - Technical Data Sheet	
Chassis	Twin-tube steel frame
Front suspension	Upside down fork with Ø 41 mm stanchions, 240 mm excursion
Rear suspension	Steel swingarm, monoshock with progressive link system, wheel travel 210 mm
Brakes	SX:
	Front: Ø 300 mm stainless steel disc with floating calliper
	Rear: Ø 220 mm stainless steel disc with floating calliper
	RX
Wheels	Front: Ø 260 mm disc with floating calliper
	Rear: Ø 220 mm disc with floating calliper
Tyres	Metal-braided connecting hoses.
	SX: Front: 2.5 X 17" rear: 3.5 X 17"
Dimensions	RX : Front: 1.85 X 21" rear: 2.15 X 18"
	SX: Front: 100/80 – 17" rear 130/70 -17"
	RX : Front: 90/90 – 21" rear 120/80 -18"
	Max. length: 2075 mm (RX 2145 mm)
Weight	Max. width: 820 mm
	Wheelbase: 1425 mm (1430 mm)
	Max. height: 1140 mm (RX 1180 mm)
	Saddle height: 880 mm (RX 905 mm)
Consumption (WMTC cycle)	134 Kg (kerb weight with full fuel tank)
CO2 Emissions (WMTC cycle)	2.6 l/100 km
	60 g/km

## **CUSTOMER PROFILE**

Male /Female

16/20 years old

For sporty and demanding riders. Looking for top level sport contents and to find satisfaction both in their daily use from home to school/job and in their leisure use.

He/she looks at the vehicle as “a school on wheels“. Off-road riding is one of motorcycling's most popular pursuits and what is more is the best training grounds for improving street-riding skills.

Often the customer owned a 50cc bike and is looking for the extra power of a 125cc. This kind of vehicle, represents the step forward that says you’ve made it through childhood and are now a grown up.

He/she is attracted by the performance and advanced technology of the bike, but he/she also wants to ride safely and quickly off-road.

He /she follows race competitions.

Competitive pricing: customers are looking for the value of a product and the price is an important factor. Especially as parents often purchase the item.

