

TOTAL ENJOYMENT IS THE MISSION OF THE PEGASO 650, THE BIKE THAT SETS NEW STANDARDS IN MOTORCYCLE PERFORMANCE.

LIGHTWEIGHT, POWERFUL AND WITH PRECISION HANDLING, THE PEGASO 650 LOVES TWISTY ROADS, BUT FIRMLY BELIEVES IN VERSATILITY TOO. SO IF YOU THINK RIDING SHOULD BE FUN, THE PEGASO 650 IS THE BIKE FOR YOU.

APRILIA PEGASO 650

Aprilia has led the field in big singles for years now. The Pegaso 650 was Aprilia's first ever big bike, and is still one of the best sellers in its class. In fact, the Pegaso has been **the reference point for over-600 cc singles** ever since its introduction.

But Aprilia's R&D department never rests on its laurels. Determined to stay at the top, Aprilia is proud to present the latest innovative, high-tech Pegaso 650, the bike that **sets new standards for big singles**. A modern, four-valve, dry sump engine with electronic fuel injection, 44 mm throttle body, ultra-light wheels and sports brakes are just some of its technical features. Small wonder then, that the Pegaso 650 is the pace-setter the others will struggle to beat.

Fashions change, technologies develop, and performance improves, but Aprilia's panache for creativity and flair for design remain unmistakably constant. In the Pegaso 650 technology and design have a single mission: to deliver maximum riding enjoyment. The innovative Pegaso 650 is the very definition of **fun on two wheels, an urban supermotard designed for maximum riding satisfaction** on all types of road, and light and versatile enough to guarantee it.

Every mile you ride on a Pegaso 650 is a mile of concentrated motorcycling pleasure.

But beware! The Pegaso 650 is so agile, dynamic and fast that it can easily become addictive. Made to master the hairpins of mountain roads and trails, the Pegaso 650 brings you the unbeatable performance and manoeuvrability and the thrilling ride of a real sports bike.

Its rideability around town never ceases to amaze either. With a total steering angle of 76° (38°+38°), the Pegaso 650 flicks through the traffic like a compact scooter. So even going to work can be fun!

The Pegaso 650 is a true chameleon: at the drop of a hat it can become a totally different bike. **An optional windshield (adjustable to two positions) is available to turn it from an aggressive streetfighter into a road-hungry tourer.**

The Pegaso 650's supermotard soul really comes to the fore when you power through the bends of twisting mountain roads. The Aprilia Pegaso 650 brings **thrilling sports performance** to leisure riders and demanding, hardened bikers. Its limited weight and the way its muscular single cylinder engine delivers its power give you amazing performance on country roads, and, most important of all, inspire riders with the confidence to explore their limits in absolute safety. The Pegaso 650 never holds you back. Because it is so easy to ride and its engine and chassis so perfectly balanced, the Pegaso 650 redefines the concept of rideability that has always typified Aprilia's supersports, headed by the flagship RSV 1000.

STYLE

The Pegaso 650's **unmistakable personality**, plus the sort of style that has always distinguished Aprilia motorcycles, make it instantly recognisable. Aggressive, eye-catching, and clearly Aprilia, the Pegaso 650 brings sports elegance to every ride. **The Pegaso 650 looks lightweight and dynamic from the first glance.**

The bike's vocation for fun and enjoyment is clear even when it is on its side stand! The sleek, streamlined design of the Pegaso 650 declares the bike's eagerness for sports riding even before the engine starts.

The Pegaso 650 sets new standards in motorcycle design. **Every single part has been made for perfect functionality and ergonomics as well as good looks.** The result is **perfect integration between man and machine** for unbeatable fun and universal rideability.

ENGINE

The Pegaso 650's engine is a liquid cooled, four valve, single cylinder four stroke, equipped with **an advanced electronic fuel injection system**. The engine is designed for brilliant performance, low fuel consumption and, of course, extremely low emissions. The result is **a machine that is fantastic to ride under all conditions.**

The engine, which maintains Aprilia's traditional **dry sump design**, stands out for its compact overall dimensions and advanced technology. This powerful but flexible powerplant has an

exceptional torque curve, and accounts for the dual personality of the Aprilia Pegaso 650: **docile and relaxed for daily commuting and touring, mean and aggressive for sports riding.**

The Pegaso 650 has a healthy respect for the environment too. Like all Aprilia motorcycles it incorporates standard-setting engine technology, because **fun and enjoyment must never endanger the environment.** A catalytic exhaust keeps emissions at the threshold of current Euro 3 legislation.

Other features of this sophisticated engine that deserve special mention are its anti-vibration balancer shaft for smoother running and greater comfort and its single throttle body with latest generation micro-spray injector.

CHASSIS

A compact, single spar, steel frame is the perfect backbone for a thoroughbred supermotard like the Pegaso 650. Despite its extremely light weight, this frame delivers record rigidity as well as easy access for maintenance purposes.

Great care has been taken over **suspension calibration to combine road holding and comfort.** The Pegaso 650 is equipped with a **robust fork with the largest diameter stanchions in its class (45 mm). Wheel travel is 140 mm.** This fork provides the best possible compromise between easy riding, braking control and comfort. A **robust anti-twist bridge** helps make the front end even more rigid and imparts a feeling of solid reliability unequalled by any other bike.

The gas-filled Sachs monoshock at the rear is adjustable in spring preload and rebound. It too is calibrated for **maximum control under sports riding conditions** without penalising versatility. **Rear wheel travel is 130 mm.**

The Pegaso 650's elegant aluminium alloy wheels copy those of the supersport **RSV 1000 R Factory** for an even more aggressive look. Wide rimmed wheels and **large, road-going tyres** (110/70 at the front, 160/60 at the rear) provide plenty of support for the Pegaso's refined chassis. Great tyre grip and an extended area of ground contact guarantee a sensational ride in total safety.

The high strength wheel spindles are 20 mm in diameter but hollow for reduced weight.

The Pegaso 650 features a reduced seat height of only 780 mm for easy control. Riders of all statures, including lady riders, can therefore get their feet firmly on the ground. The special shape of the seat also makes it easier to move your body under sports riding conditions **without**

penalising rider or passenger comfort. A higher seat (820 mm) is available as an optional extra to make the bike more comfortable for taller riders.

BRAKES

Absolutely nothing has been overlooked, and only the best available components have been used. The front brake features a mighty **320 mm floating disc** with a four-pot caliper, for the sort of braking power and control normally only found on supersport machines.

This powerful front brake is complemented by a **240 mm disc, with a floating two-pot caliper at the rear.**

The entire braking system has been calibrated for **maximum efficiency, power, response, and feel.**

COMPONENTS

Just like all Aprilias, the Pegaso 650 is equipped with **top quality, prestige components.**

The following items deserve special mention:

- The **generous, sporty looking instruments** provide all the information you could possibly need. The analogue rev counter is complemented by a large, multi-functional digital display complete with on-board computer for all essential information.

NEW:

- A mouse on the left hand switch group allows easy computer navigation and consultation.
- Various languages can be selected to provide an easy to read user interface.
- Service codes provide rapid engine diagnostics (CO adjustment, ECU diagnostics, system errors, and service intervals).
- The gear change threshold is user variable.
 - Function and warning lights for fuel reserve, coolant temperature and battery charge.
 - Immobiliser with emergency reset by means of a user programmable PIN number for total security and easy operation.

The system can be reprogrammed by Aprilia Technical Assistance to run new software releases and custom graphics etc. using Axone 2000® software and the bike's own diagnostics connector.

The computer is safe and easy to use thanks to a convenient switchgear control that lets you select the display function you want without having to take your hands off the handlebars.

- **2 storage compartments.** The front compartment is located in the top of the fuel tank, and can be opened electrically from a button on the handlebars, so there is no need to remove the key from the ignition: yet another example of how the Pegaso 650 is designed for unbeatable ergonomics and practicality.

The second compartment is located under the seat. **The two compartments combine to provide ample room for small items.** The seat also comes with **provision for hooking up an elastic luggage net** to improve carrying capacity on long journeys and holidays.

For convenience, **the tank-top compartment is opened by a button on the handlebars**, so your small change, mobile phone and toll tickets are always to hand even with the engine running. **The under-seat compartment is the biggest ever seen on a bike of this type** and provides plenty of room for your waterproofs and other personal effects.

- The **electronic immobiliser** can be reset in an emergency using a user programmable PIN number.
- **The large headlight cluster** incorporates simultaneously lit twin dipped and main beam units.
- **The self-supporting nose fairing also supports the headlights and instrumentation.** Fewer parts means fewer screws, greater strength and less weight.

ACCESSORIES

As can be expected from Aprilia, the Pegaso 650 is complemented by a wide range of dedicated accessories, so you can customise your bike exactly as you want it.

- Adjustable front brake lever
- Luggage rack
- New Concept top box (32 litres)
- City top box (35 litres)
- Street Case top box (47 litres)
- Expandable, semi-rigid panniers in high-tech textile with secure, lockable fittings. Total capacity closed: 25 litres. Total capacity expanded: 34 litres.
- Tank protector and tank bag in high-tech textile (complete with rain hood). Capacity 14 litres.
- High seat (+ 40 mm.)
- Carbon fibre hand guards, hinged on handlebars
- Carbon fibre bodywork parts (exhaust downpipe shield, rider heel guards, sump guard)

- Aprilia electronic anti-theft system
- Centre stand
- Adjustable windshield (2 positions)

Aprilia PEGASO 650**Technical specifications**

Engine	Single-cylinder four-stroke with light alloy cylinder. Liquid cooling with three way pressurised circuit. Single overhead cam with chain timing drive; four valves. Anti-vibration balancer shaft.
Fuel	Unleaded fuel.
Bore and stroke	100 x 84 mm.
Total displacement	660 cc.
Compression ratio	10:1.
Max. power at crankshaft	48 HP (35 kW) at 6,000 rpm.
Max. torque at crankshaft	6.01 kgm (59 Nm) at 5,000 rpm.
Fuel system	Integrated electronic engine management system. Electronic fuel injection. 44 mm throttle body.
Ignition	Electronic.
Starting	Electric starter.
Alternator	290 W
Lubrication	Dry sump with oil pump.
Gearbox	5 speed. Transmission ratios: 1 st 12/30 2 nd 16/26 3 rd 20/23 4 th 22/20 5 th 26/20
Clutch	Multi-plate in oil bath. Cable operated.
Primary drive	Spur gears. Transmission ratio: 36/75.
Final drive	Chain. Transmission ratio: 15/44.
Frame	Steel, open cradle, single spar frame.
Front suspension	45 mm fork. Wheel travel 140 mm.
Rear suspension	High strength steel swingarm. Aprilia Progressive System (APS) rising rate linkages.

	<p>Sachs hydraulic monoshock with adjustable rebound and preload.</p> <p>Wheel travel 130 mm.</p>
Brakes	<p>Front: stainless steel floating disc, Ø 320 mm, four piston caliper.</p>
	<p>Rear: stainless steel disc, Ø 240 mm, two piston caliper.</p>
Wheels	<p>Alloy wheels with twinned spokes.</p> <p>Front: 3.50 x 17".</p> <p>Rear: 4.50 x 17".</p>
Tyres	<p>Front: 110/70-17.</p> <p>Rear: 160/60-17.</p>
Dimensions	<p>Overall length: 2,173 mm</p> <p>Overall width: 810 mm</p> <p>Ground clearance: 250 mm</p> <p>Seat height: 780 mm</p> <p>Wheelbase: 1,479 mm</p>
Tank capacity	<p>16 litres (3.5 litre reserve).</p>
Accessories	<ul style="list-style-type: none"> • Adjustable front brake lever • Luggage rack • New Concept top box (32 litres) • City top box (35 litres) • Street Case top box (47 litres) • Expandable, semi-rigid panniers in high-tech textile with secure, lockable fittings. Total capacity closed: 25 litres. Total capacity expanded: 34 litres. • Tank protector and tank bag in high-tech textile (complete with rain hood). Capacity 14 litres • High seat (+ 40 mm.) • Carbon fibre hand guards, hinged on handlebars • Carbon fibre parts (exhaust heat shield, rider heel guards, sump guard) • Aprilia electronic anti-theft system • Centre stand

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APRILIA PEGASO 650 FACTORY

Bringing you the meanest, most thrilling performance around, the Pegaso Factory is the most sports-oriented of all Pegaso models. The latest technology and graphics mean that the Pegaso Factory is almost a specialist supermotard, but with that legendary Pegaso versatility.

As with all Aprilia sports bikes, the word 'Factory' has a precise meaning when used in the context of the Pegaso 650. The Pegaso 650 Factory is the most exclusive and fastest Pegaso ever, featuring a performance chassis, lighter materials and, of course, the latest Aprilia technology.

Comparisons with the SXV 450, the world's most exciting supermotard, are inevitable. The Pegaso Factory incorporates a host of refinements for even better performance and an even more thrilling ride.

The components that distinguish the Pegaso Factory include:

- **Spoked wheels** with light alloy rims
- **Radial front brake caliper**
- **Radial front brake master cylinder**
- **Aluminium, double taper handlebar**
- **Higher seat for greater control**
- **Carbon fibre front mudguard**
- **Carbon fibre side guards**
- **Carbon fibre exhaust shield**

Though the Factory is powered by the same **high performance, 650 cc, single cylinder, Euro 3 engine** as the Pegaso 650, its lighter components and more effective chassis make it even easier to ride fast and aggressively.

These unique characteristics make the **Pegaso Factory the perfect link between specialist and conventional supermotards**, and give it the ability to deliver a truly thrilling, entertaining and satisfying on-road experience.

The **new spoked wheels** with gold anodised aluminium alloy rims are a clear reference to supermotard design. These prestige wheels reduce inertia and make the Pegaso Factory **amazingly light to manoeuvre**.

Impressive stopping power is delivered by a top class braking system. **The four-pot radial caliper at the front wheel is complemented by a radial master cylinder as on the championship winning SXV 450**. Top quality components, of course, do more than just add to the bike's prestige: they ensure that performance too is the best you can get. **Pace-setting brakes** mean more effective sports riding and greater safety under normal conditions and around town.

Whether your journey takes you across town or over twisting mountain roads, the Pegaso Factory will give you the ride of your life. **Its 20 mm higher seat** transfers more weight on to the front wheel for a **more active ride and greater control over the front end**. The Factory places you in total control under all conditions, and gives you a feeling of immediate confidence. So if you are looking for a bike capable of guaranteeing real thrills even on challenging roads, look no further: the Pegaso Factory is the best road-going single you can find.

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