



Inspired, at the highest level, by beauty and scientific research. In its every form.

Roadster BC

- **A completely new Roadster creature**
- **A tribute to scientific research, beauty and uniqueness**
- **An unprecedented, technical challenge**
- **Carbo-Triax HP62 and Carbo-Titanium HP62 G2 specific monocoque formulas**
- **To exceed the customer's expectations: this is the mission behind the Roadster BC project**
- **Production limited to 40 vehicles**
- **Base price: 3,085,000 € + VAT**
- **Top performance, more than 1.9 g of lateral force**
- **A brand new engine: the Pagani V12, the beating heart of the Roadster BC**
- **More than 800 hp & 1,050 Nm torque already at 2,000 rev/min**
- **Uncompromising safety and comfort**
- **Emotion, elegance and state-of-the-art technology in just 1,250 kg**

- INTRODUCTION -

A spontaneous, unstoppable emotion. A burning desire that led the Client to dream of a new work of art: another Pagani creation. This is how, in 2017, the idea of the Huayra Roadster BC came to life. From a curious set of circumstances, a demanding research project was launched with a meticulous, almost obsessive focus on details and design in order to create a highly distinctive, street-legal Pagani hypercar that would combine the unparalleled sensations of driving a roadster with the most advanced technology available today.

Every effort made by the Pagani team, whose designers, engineers and master craftsmen work continuously to achieve the most extreme levels of scientific research and uniqueness, was focused on the pursuit of an ideal: to exceed the customer's expectations and repay his absolute faith. This trial of unprecedented dedication was finally completed under the guidance and discipline of the ultimate polymath, Horacio Pagani.

Each and every component of this *hypercar* is the result of scrupulous analysis and Team Pagani's critical approach that is specifically designed to constantly question every outcome and achievement. As the only way to guarantee true perfection is to never fall too much in love with the successes attained, but rather being able to observe them with a critical eye.



All this effort was translated into innovation, invention and exploration of unexplored paths in order to break new ground, never follow car trends and always seek to build truly timeless creations. This is the essence of the Roadster BC. Extreme, exuberant and shaped by hand in line with the fundamental concepts of Leonardo da Vinci's Art and Science, the cornerstones of Pagani Automobili's creative philosophy.

A road machine created with the latest technologies derived by Pagani Automobili's track experience and in accordance with the key concepts of Pagani's DNA. In other words, an intuitive and easy-to-drive vehicle you can master after just a few miles and in which you can enjoy a full open-top experience without affecting the performance.

From the aerodynamics to its exterior and interior design, and right down to its tiniest part, Roadster BC's chemistry and combination of advanced composite materials are unprecedented. Also, the elements that escape the eye of the expert have been optimized to offer genuine emotions and reach new horizons on multiple fronts.

Like in a sophisticated watch, every single component of the Roadster BC is a concentration of Pagani Automobili's ultimate design, technology and engineering expertise encapsulated in just 1,250 kg (2,756 lbs).

Can one focus on extreme performance without compromising satisfying, smooth driveability? Can lightness and safety be fused with design and elegance? The solutions lie in the agile and expert hands of those who believe that perfection and uniqueness can only be reached through painstaking care, manual skill and craftsmanship.

Pagani aspires for perfection, creating the greatest hand-built cars with a true hymn to the Renaissance.

**There is something that comes before absolute performance, speed, design and style.
That something is called *safety* and at Pagani Automobili, it is a mission.**

- AERODYNAMICS -

The Roadster BC was designed to generate an aerodynamic load with a downforce target of 500 kg at 280 km/h (1,102 lbs at 174 mph), while maintaining a ground clearance that will allow passengers to enjoy driving at its finest, whether it's on public roads or racetracks. To achieve this the team focused on finding a balance between its internal air-flows system and its external aerodynamically-sleek silhouette in all driving conditions. While the front has been developed to guarantee the heat exchange required for the Pagani V12 engine and simultaneously generate an effective downforce, the rear completes air extraction and keeps the vehicle's pressure centre constant and the wing becomes extremely effective even at average road speeds.

Besides, the active aerodynamics system combined with its dynamic suspensions enhances the car stability by adapting its aerodynamic setup to suit specific driving requirements.

The Roadster BC offers you maximum control during a thrilling experience, especially when the new Titanium six-exhaust pipe system starts to exalt the roar of the Pagani twelve-cylinder engine. For the first time in Pagani Automobili, this exhaust system features two extra direct outlets from the catalytic converters to exploit the blown diffuser principle and generate further downforce.



- CHASSIS AND MATERIALS -

The Roadster BC features new, exclusive composite technologies based on carbon fibre and carbon-titanium that offer an increase of 12% in torsional rigidity and 20% in flexional rigidity compared to Pagani Automobili's state of the art technology till today. This increase in the mechanical properties of the materials applied, in particular in the chassis torsional and flexional rigidity, also allows its dynamic response to be augmented when driving, as well as its safety in critical conditions.

"Through intense scientific research for developing the Carbo-Triax HP62 and Carbon-Titanium HP62 G2 formulas, we succeeded in achieving some extraordinary results that allowed us to reduce the weight of the vehicle considerably and optimise mechanical features. Even so, when we presented these achievements to Horacio, along with the fact that they involved a 450% increase in material costs, his reaction was, "the customer deserves even more!"

- Francesco Perini, Head of Concept & Composite Design.

- ENGINE -

"What is great about this working relationship is that we have the same attitude. We're never satisfied with the status quo as Horacio Pagani always puts what is normally taken as proven to the test. I think that, together, we have always believed we could overcome even the most difficult challenge and attain ever-higher levels of perfection."

- Tobias Moers

Know-how, tradition and over 125 years of technical history for Mercedes-Benz and 50 for AMG plus 20 years of close cooperation with Pagani, a universe of knowledge for giving birth to the Pagani V12.

A completely new engine that boasts a level of power and elasticity that will glue drivers to their seat and leave its mark on their shoulders. 800 hp and a torque of 1,050 NM already at 2,000 rpm, with one of the best weight-power ratios in the category. The Pagani V12 features a set of innovations, including two new turbos, a revolutionary hydroformed manifold, twin throttle bodies and four water-air intercoolers; all of this supported by a sophisticated electronic system designed by Bosch for making the maximum use of its potential. Last, but not least, this jewel complies with the latest international carbon footprint and gas emission standards, including California's environmental regulations, without having to resort to a hybrid system.

- SUSPENSIONS -

This vast enterprise of technological research was also applied to the suspension unit that has always been a technical prodigy and a source of pride for Pagani Automobili.

Roadster BC is trustworthy and exciting as it is the result of endless work on numerous elements: the rigidity of the chassis, the vehicle's dynamics, the elasto-kinematics of the suspension and the lowering of its centre of gravity and weight, to name just a few. Having explored, tested and perfected all these aspects, electronics were then added to further increase performance, stability and safety.

These improved electronics not only reduce dive, squat and roll effects intensely but take the control and safety of the vehicle to a new level. Plus, the system offers a great chance of exploring the entire vehicle's mechanical platform, giving its best performance in extreme situations by facilitating the driving experience.



- TRANSMISSION -

The Pagani by Xtrac transverse seven-speed sequential gearbox allows all the power and exceptional reactivity of the Pagani V12 to be transferred to the road.

The flywheel-clutch unit consists of a triple-disc clutch, an electronically controlled differential and a racing-style three-way coupling system. The complete transmission system is 35% lighter than a dual-clutch transmission unit.

This transversal structure not only helps save overall weight; it also allows polar inertia to drastically limit oversteering, typically dangerous in mid-engine cars.

- TYRES AND RIMS -

“Horacio always sets fascinating challenges. Every time we work together, we find ourselves facing new horizons to push back. These are extremely useful stimuli for us as they allow us to experiment and develop new ideas with an extraordinary partner. Pirelli’s DNA is founded on its innovation and its drive to surpass itself and achieve technological excellence in every product. In fact, all Pagani projects bring something new.”

- Marco Tronchetti Provera, Executive Vice Chairman and Chief Executive Officer at Pirelli.

The Pirelli PZero Trofeo R tyres, tailor-made for the Roadster BC, are the result of the close working relationship, partnership and passion that Pirelli and Pagani have shared for the last decade.

Created in the Modular Integrated Robotized System, or “MIRS”, the Pirelli high-performance tyre department, the aim of the project was to create a tyre that would combine high performance with the challenging specifications that Horacio Pagani and his Atelier’s latest creation had set: to transmit, above all, a sensation of total safety and control even for the least expert driver, regardless of weather and driving dynamics.

“In 10 years of working together with Pirelli, one of the goals we set ourselves was increasing what drivers felt when they held the steering wheel. They had to feel as if their hands were resting on the road. And thanks to the skill and knowhow of the Pirelli technicians this tyre is now so communicative you can actually feel when you are reaching its grip limit.

Let’s not forget, in fact, that on a bend with almost 2 g of lateral force everything happens extremely quickly.”

- Horacio Pagani, Founder & Chief Designer at Pagani Automobili.

Remarkable results were achieved on a number of major test tracks, where the ultimate Pirelli tyres performed outstandingly: millimetric precision in bends and an incredible grip allowing a lateral acceleration of 1.9 g during constant running, with peaks of 2.2 g, and a longitudinal deceleration of 2.2 g.

The PZero Trofeo R is not only synonymous with superior performance, but it is also designed to have less rolling resistance which fosters driveability and comfort.

The rims developed together with APP are made of forged Avional alloy. With a lightweight manual finish 14-spoke design, they express at a glance all Roadster BC’s character and elegance.



- BRAKES -

“Our cooperation with Horacio sets another milestone with the introduction of the Pagani Roadster BC. We are proud to equip this new model with a state-of-the-art braking system, developed to provide not only the best performances in terms of technology and safety but also with the specific aim of integrating with the design of this masterpiece.”

Matteo Tiraboschi, Brembo's Executive Deputy Chairman.

The relationship between Brembo and Pagani has always been a story of mutual understanding focused on the development of safety, technology, performance and lightweight design.

The Roadster BC is fitted with a Pagani by Brembo carbon-ceramic system measuring 398x36mm at the front with a 6-piston one-piece caliper brake and 380x34mm at the rear with a 4-piston one-piece caliper. Once again, the most advanced technology hand-in-hand with fascinating design.

- INTERIORS -

Stepping into the Roadster BC is a sensory experience combining elements that tribute to the past legends of motorsports and Gran Turismo with present and future features. Elegance and style are transmitted by materials like the carbo-wood and finely embossed leather, as well as by mechanisms such as the racing style, four-point seatbelt and sophisticated accessories like the nine-channel audio system.



- TECHNICAL SPECIFICATIONS-

- ENGINE:** Pagani V12 60° 36 valves 5,980 cc twin turbochargers, developed bespoke for Pagani by Mercedes AMG
- POWER:** 590 kW at 5,900 RPM
- TORQUE:** 1,050 Nm from 2,000 to 5,600 RPM
- TRANSMISSION:** Rear-wheel drive
- GEARBOX:** Xtrac 7 speed transversal AMT with electro-mechanical differential
- BRAKES:** Brembo 4 ventilated CCM discs brake unit: Front 398x36 mm with 6 pistons monolithic caliper; Rear 380x34 mm with 4 pistons monolithic caliper
- WHEELS:** APP forged monolithic aluminum alloy: Front 20 inch; Rear 21 inch
- TYRES:** Pirelli P Zero Trofeo R: Front 265/30 R20; Rear 355/25 R21
- SUSPENSIONS:** Forged aluminium alloy independent double wishbone with helical springs and electronic controlled shock absorbers
- CHASSIS:** Pagani Carbo-Titanium HP62 G2 and Carbo-Triax HP62 monocoque with front and rear tubular steel subframes
- DRY WEIGHT:** 1,250 KG