

AMB 001

PRO



Brough
Superior



AMB_001
PRO

"It's a beautifully simple formula. Form plus technology equals performance. When you push something to the very edge of capacity, and do it seamlessly, the resulting experience can have you breathless."

Marek Reichman

- Executive Vice President & Chief Creative Officer, Aston Martin.

The strictly limited-edition AMB 001 Pro is the latest collaboration between the two brands, pairing Aston Martin's legendary design with state-of-the-art Brough Superior motorcycle engineering.

AMB 001 Pro, the successor to the sold-out AMB 001 was inspired by Aston Martin's no rules track hypercar Valkyrie AMR Pro. Like its inspiration, AMB 001 Pro takes track performance to the extreme, offering a 25% power increase on its predecessor, with its 225 HP producing a power to weight ratio of 1.28 hp/kg, similar to that of a Formula One® car.





Refined aerodynamics

Downforce is increased via the front spoiler and side wings, with the front cowl now fixed to the bodywork to manage the downforce at the front end of the motorcycle. A tunnel effect air blade directs air over the rider. The airflow enters through a large intake integrated into the front wing, then passes through the new front cowl, to be deflected through the dynamic windshield. A rear fin with an aero stabilizer design further refines the aerodynamic updates.

Track exhilaration to the extreme

The new AMB 001 Pro builds on the learnings from the AMB 001 and takes track exhilaration to the extreme. The power increase comes courtesy of a new CNC-machine, dual-cylinder 997cc engine, which has been fully machined from AL 5000 solid billet. The ideal properties of the material improve the stiffness of the structural engine, whilst a new cylinder design with wet cylinder liners helps to improve cooling.

Aero kit update

The development of the AMB 001 Pro has continued with an in-depth aerodynamic study aimed at improving the dynamic performance of the bike. Significant work on optimizing the surfaces and profiles has led to the spectacular wings, which increase the performance of the motorcycle by generating aerodynamic anti-wheeling downforce.

The "Aero" evolutions, which reference recent configurations seen in MotoGP, provide better control during the acceleration phases, as well as giving the bike an even more focused attitude.



The Aero kit consists of two sets

This dramatic new design significantly improves the bike's high speed aerodynamics as well as rider comfort.

A detailed study has led to the design of new aerodynamic wings with more camber and incidence to optimise their effects, whilst the efficiency of the central "air blade" means the rider is further shielded from the airflow.



Top Wing & Cowl

A new centre profile forces air through the inner channel to reduce the effects of the air flow on the rider. The cowl flows elegantly into the impressive new top wing, which is not only appreciably wider but also much more sculptured than before. It twists as it reaches outwards to provide more incidence with the oncoming airflow, which is further managed by the F1[®] inspired end fins. This new wing provides an additional 50kg of downforce at 280km/h.



Side Wing

The side wings are located between the upper and lower fairings.

Mimicking the Top Wing in their inclined shape and sculpture, they aesthetically balance the front end of the bike while providing a further 10kg of downforce.

Overall, the design of the AMB 001 Pro has evolved significantly compared to the first definition presented at EICMA. The imposing and inclined fins, along with an introduction of a new livery, reinforce and enhance the extreme nature of this bike - both in aesthetics and performance.



AMB 001 PRO



“There is no separation between the advanced materials, design and technical capabilities of the bike. We’ve achieved this fluidity again with Brough Superior for those who desire a track superbike like none other. The rider is part of this moving sculpture and will literally feel as though they are part of the track when laying atop the AMB 001 Pro.”

Marek Reichman

- Executive Vice President & Chief Creative Officer, Aston Martin.



AMB 001 Pro is offered in two spectacular racing liveries; Aston Martin Verdant Jade, with Photon Lime accents creates a bold modern look whilst Aston Martin Racing Green paired with Lime Essence pays a nod to Aston Martin's winning bloodline on the track.

Both specifications feature satin finished carbon fibre bodywork and wheels, with high performance black Cerakote for the engine and suspension.

In common with other extreme performance, ultra-luxury Aston Martin models, AMB 001 Pro is fitted with the Aston Martin 'lacewing' badge. Designed for the Aston Martin Valkyrie programme, the chemical etched aluminium lacewing is a remarkable 99.4% lighter than the brand's regular enamel badge, and at just 70 microns thick is 30% thinner than a human hair. It will be applied on the nose cowl and tank, on top of the painted finish yet beneath a perfectly smooth coat of lacquer.

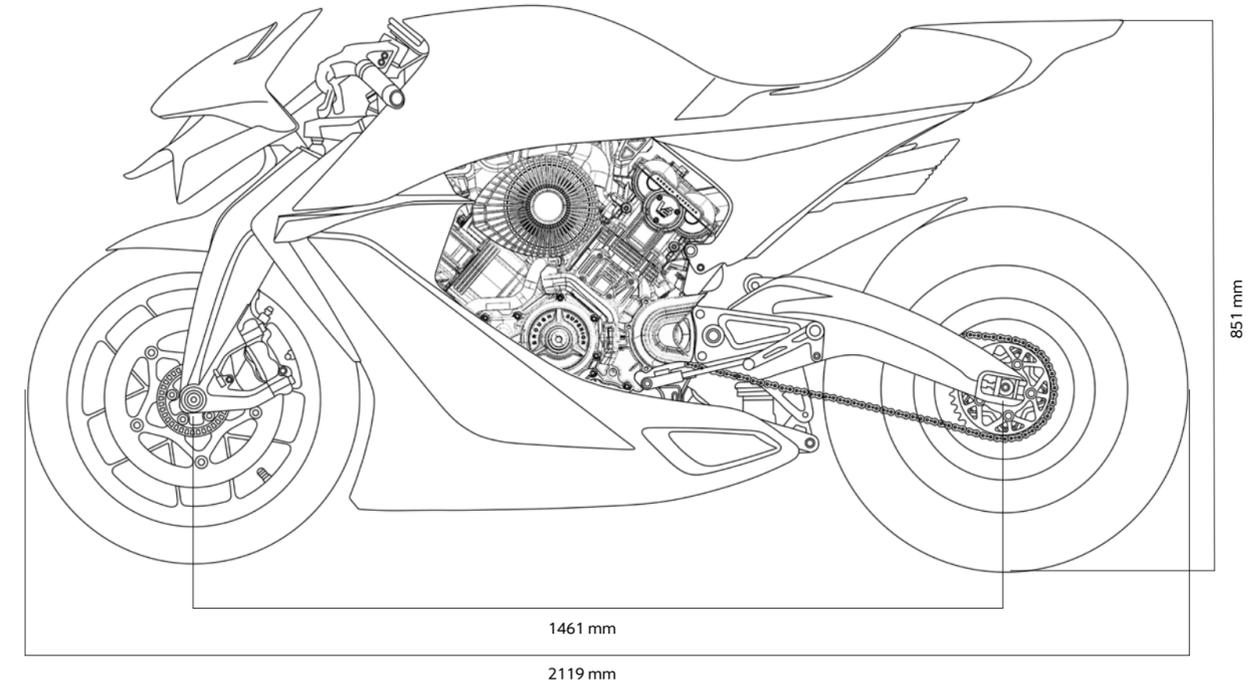
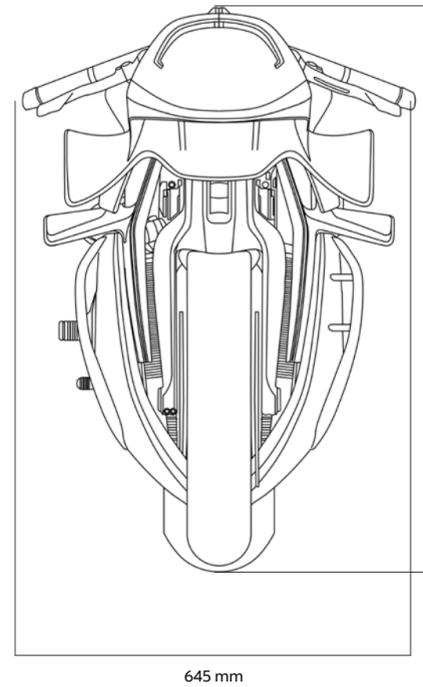
Technical Specifications

Engine

Engine	997cc watercooled dohc 88° V-twin four-stroke with four valves per cylinder and composite chain / gear cam drive
Dimensions	94mm x 71.8mm
Power	225 Hp
Gearbox	6-speed cassette type
Clutch	Multiplate oil-bath clutch with hydraulic operation, APTC slipper clutch
Frame Type	CNC Aluminium frame with structural engine and carbon fibre body

Chassis

Front Suspension	Fior-type CNC Machined Aluminium fork with twin articulated triangular links and Preload and rebound adjustable monoshock with 112mm travel
Rear Suspension	CNC Machined Aluminium Swing Arm pivoting in engine crankcases, with monoshock adjustable for preload and rebound damping and progressive rate link with 124mm travel
Head Angle / Trail	23.9° with 102.6mm trail
Front Brake	2 x 320mm Stainless Steel discs with 2 x four-piston radial calipers
Rear Brake	1 x 230mm Stainless Steel disc with 1 x two-piston caliper
Wheels	Ultra-light 10 spoke carbon fibre front wheel, carbon fibre disc wheel
Front Tyre	120/70 ZR17 58W on 3.50 inches
Rear Tyre	200/55 ZR17 78W on 6.25 inches
Weight	175kg dry





One step closer to experiencing the AMB 001 Pro.

AMB 001 Pro will be hand built at the Brough Superior factory in
Toulouse, France. First deliveries will take place at the end of 2023.

A maximum of 88 units will be made, with a price of 148,900 EUR.
(*ex works without taxes*).



Aston Martin's vision is to be the world's most desirable, ultra-luxury British brand, creating the most exquisitely addictive performance cars.

Founded in 1913 by Lionel Martin and Robert Bamford, Aston Martin is acknowledged as an iconic global brand synonymous with style, luxury, performance, and exclusivity. Aston Martin fuses the latest technology, time honoured craftsmanship and beautiful styling to produce a range of critically acclaimed luxury models including the Vantage, DB11, DBS, DBX and its first hypercar, the Aston Martin Valkyrie.

Based in Gaydon, England, Aston Martin Lagonda designs, creates and exports cars which are sold in 56 countries around the world. Its sports cars are manufactured in Gaydon with its luxury DBX SUV range proudly manufactured in St Athan, Wales.

Lagonda was founded in 1899 and Aston Martin in 1913. The two brands came together in 1947 when both were purchased by the late Sir David Brown, and the company is now listed on the London Stock Exchange as Aston Martin Lagonda Global Holdings plc.

2020 saw Lawrence Stroll become the company's Executive Chairman, alongside significant new investment, a move that led to Aston Martin's return to the pinnacle of motorsport with the Aston Martin Aramco Cognizant Formula One™ Team and commenced new era for the iconic British marque.

Brough
SUPERIOR

Brough Superior Motorcycles was established in Nottingham, England, in 1919, by George Brough. Since 1919, Brough Superior has been disrupting all the superlatives attached to the world of motorcycling.

Relaunched in 2013 by highly respected motorcycle designer, Thierry Henriette. The new era Brough Superior bikes have retained the DNA of the classic motorcycles, whilst continuing to craft innovative technology with the finest materials. These distinctive motorcycles are handcrafted in limited numbers by the greatest French Master Craftsmen, including the specific engine built in Toulouse, France, capital of the Aerospace industry.

Today Brough Superior are recognised for their artisanal luxury, mechanical innovations and outstanding performance, making them an iconic brand like no other.



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