

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

- Aston Martin Executive Vice President and Chief Creative Officer

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



Offered in a single PRO specification, 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.



Aerodynamics

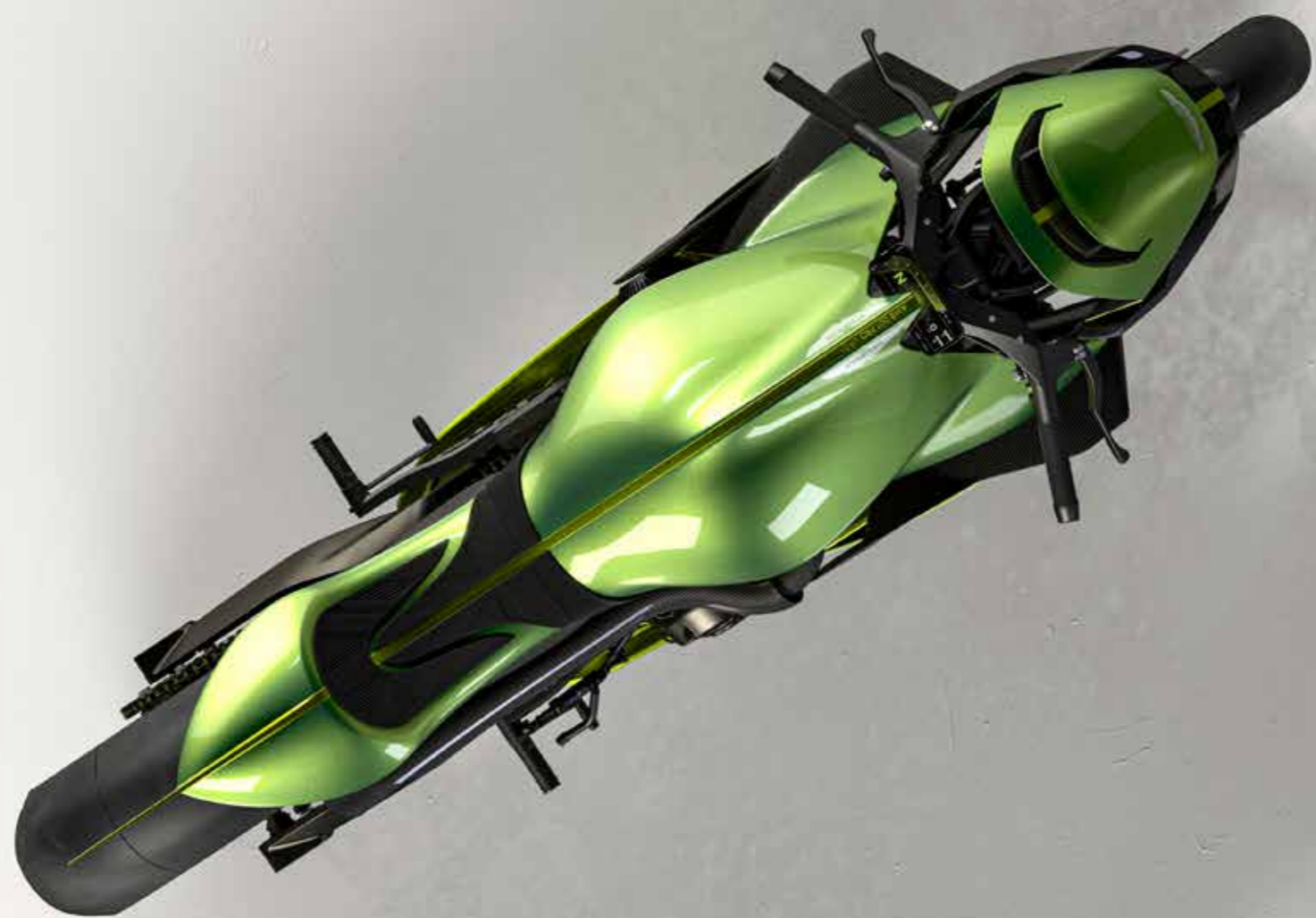
Downforce is increased via the front spoiler and side wings, with the front cowl now fixed to the bodywork to manage the downforce at the front end of the motorcycle. A tunnel effect air blade directs air over the rider. The airflow enters through a large intake integrated into the front wing, then passes 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.

New Engine

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 block. 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.







“There is no separation between the advanced materials, design and technical capabilities of the bike. We’ve achieved this fluidity again with Brough for those who desire a track super bike 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

- Aston Martin Executive Vice President and Chief Creative Officer



The AMB 001 PRO is offered in a single specification, featuring a racing livery that combines Aston Martin Verdant Jade with matte finished carbon fibre and black Cerakote engine and suspension. These are highlighted by Photon Lime accents, paying a nod to Aston Martin's winning bloodline of track racers.

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.

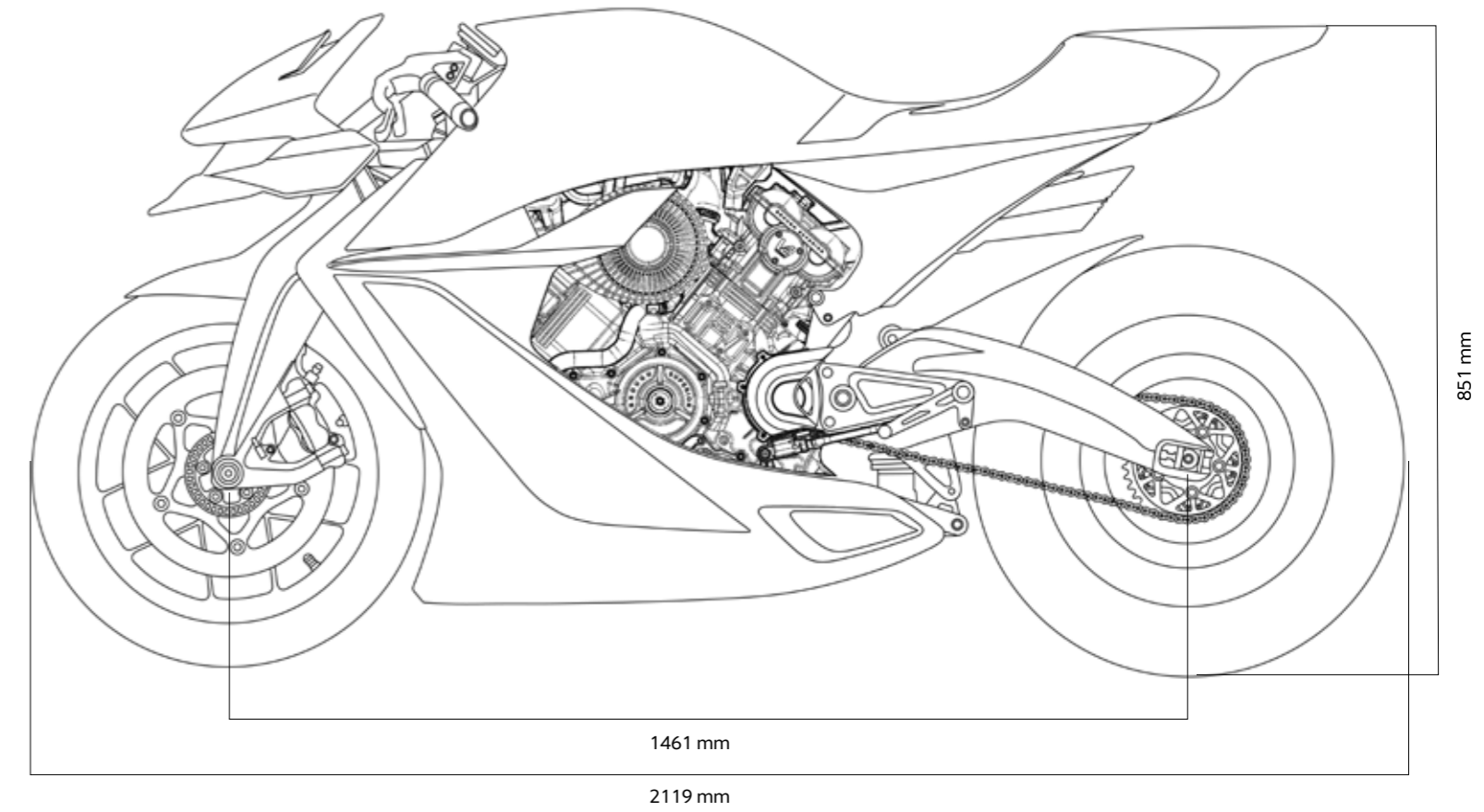
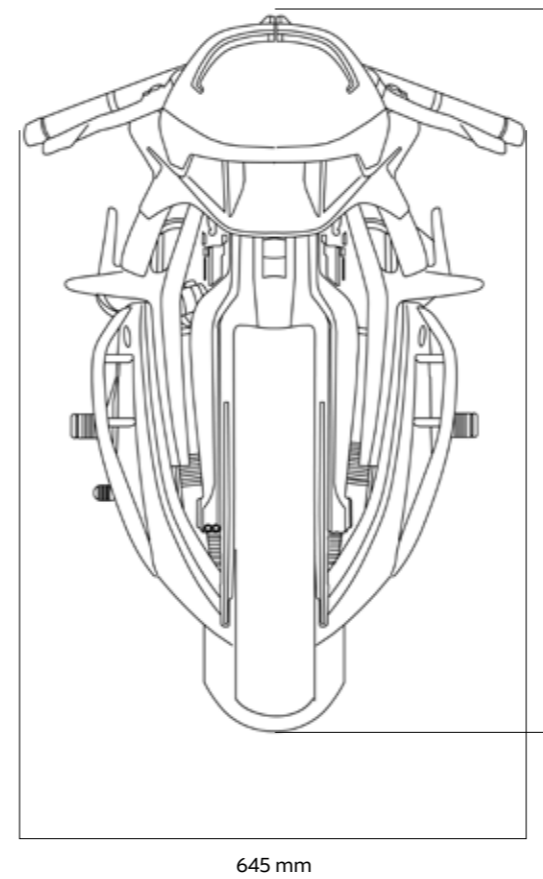
Technical Specifications

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.**

Initial orders have already been taken for the strictly limited edition AMB 001 PRO, which will be built and hand assembled 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 148 900,00 EUR (*ex works without taxes*).





Aston Martin is a brand globally renowned and respected for its ability to create the most beautiful cars and lasting impressions. Beyond our core business of creating beautiful automotive art, we seek to bring our brand into complimentary and innovative spaces.

Through partnerships with other leading brands, we can together create products and experiences with a common passion for perfection, an eye for beauty and unequalled craftsmanship.

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.



Brough
Superior

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