



ASTON MARTIN

V12 VANTAGE









# THE V12 VANTAGE

THE MOST POTENT PRODUCTION SPORTS CAR IN THE MARQUE'S 95-YEAR HISTORY, THE ASTON MARTIN V12 VANTAGE IS THE FASTEST AND MOST AGILE MODEL IN THE RANGE, DESIGNED TO PROVIDE A UNIQUE CHARACTER THAT APPEALS TO DIFFERENT DRIVERS WITH DIFFERENT TASTES.

Based on the hugely successful V8 Vantage, the V12 Vantage features Aston Martin's most powerful engine, the 6.0-litre V12 engine, which produces 510 bhp (380 kW/517 PS), and 570 Nm (420 lb.ft) of torque with a top speed of 305 km/h (190 mph) and acceleration from 0–100 km/h (62 mph) in 4.2 seconds.

Purposeful, striking and functional styling signals the performance capabilities of this formidable car, which, like the Aston Martin DBS, benefits from the use of race-derived technology and features lightweight carbon-fibre.

Visually enticing, the V12 Vantage expresses its potential through its purposeful stance created by enhanced aerodynamic and cooling aids. Equally inviting, the cosseting interior permits the driver to extract maximum performance from the car while also enjoying customary levels of Aston Martin comfort. High levels of power and torque are available at all engine speeds, making the V12 Vantage responsive and tractable in any driving situation.



DESIGNED FOR THE FOCUSED DRIVER, EVERY COMPONENT OF THE V12 VANTAGE HAS BEEN HONED WITH ENJOYMENT IN MIND – A DEFINITIVE DRIVING PACKAGE, PROVIDING SPECTACULAR PERFORMANCE, THRILLING DYNAMICS AND EVERYDAY USABILITY.

## PERFORMANCE

The V12 powerplant has been intelligently packaged into the Vantage's compact form. To achieve the power output, the engine features a number of enhancements over the standard 6.0-litre V12, to include a 'by-pass' engine air intake port that opens up at 5500 rpm, a revised induction system and re-profiled air inlet ports that further improve airflow into the combustion chamber.

Available on the V12 Vantage is a 'Sport' button, which allows the driver to choose between two powertrain modes, 'normal' suited to more everyday situations and 'Sport' designed for use in more dynamic driving situations where even sharper responses are required.

## CONTROL

Superb handling characteristics are at the heart of the V12 Vantage; the rear suspension has been developed, with a more compact dual-rate spring design, in order to accommodate a wider wheel and tyre combination, improving grip and traction.

In line with the character of the V12 Vantage, a revised Dynamic Stability Control (DSC) system permits the driver to manage how the system intervenes during more challenging driving situations, allowing the driver to explore the limits of the car's considerable handling capabilities.





## DESIGN

The V12 Vantage subtly hints at its sporting intent with its controlled aggression and lower, more purposeful stance as each re-styled panel has been altered to enhance the car's dynamics.

A revised front splitter channels cooling air to the brakes and to the radiator while also producing increased downforce. Carbon-fibre bonnet louvres remove heat from the engine bay and help increase front-end downforce by limiting the

built-up air pressure under the bonnet. New side sills derived from the N24 race car channel air towards the rear of the car, reducing rear-end lift.

A more pronounced boot 'flip' and the new rear carbon-fibre diffuser work in harmony with a redesigned rear under floor to channel air through the new high-capacity oil cooler, producing increased downforce and aiding grip.



# V12 VANTAGE CARBON BLACK SPECIAL EDITION

THE V12 VANTAGE HAS UNDERGONE A UNIQUE CARBON BLACK MAKEOVER TO CREATE A HIGHLY DESIRABLE SPECIAL EDITION.





The new Carbon Black Special Edition adds a typically understated flair to the already acclaimed V12 Vantage model, featuring bespoke Carbon Black metallic paint especially formulated with a subtle metallic twist. Each car undergoes 50 man-hours of hand painting followed by stringent quality checks.

The iconic Aston Martin side strake has been fashioned from carbon-fibre, backed with a black mesh insert and complemented by gloss black 10-spoke

diamond turned alloy wheels. A bright finish grille and front parking sensors complete the exterior detailing.

The interior features lightweight carbon-fibre and Kevlar® seats, Obsidian Black leather highlighted with a contrasting coarse silver stitch, Piano black fascia trim and centre console. Anodised black tread plates and unique sill plaques build on the carbon theme.





# TECHNICAL SPECIFICATION

## V12 VANTAGE

### BODY

- Two-door, two-seat coupe body
- Bonded aluminium VH structure
- Aluminium, magnesium alloy, composite and steel body
- Extruded aluminium door side impact beams
- High Intensity Discharge headlamps (dipped beam)
- Halogen projector headlamps (main beam)
- LED rear lamps

### ENGINE

- All-alloy quad overhead camshaft 48 valve 5935 cc V12
- Compression ratio 10.9:1
- Front mid-mounted engine, rear-wheel drive
- Fully catalysed stainless steel exhaust system with active bypass valves
- Max power 510 bhp (380 kW/517 PS) at 6500 rpm
- Max torque 570 Nm (420 lb.ft) at 5750 rpm
- Acceleration 0–100 km/h (62 mph) in 4.2 seconds
- Max speed 305 km/h (190 mph)

### TRANSMISSION

- Rear mid-mounted six-speed manual gearbox. Alloy torque tube with carbon-fibre propeller shaft
- Limited-slip differential
- Final drive ratio 3.71:1

### STEERING

- Rack and pinion
- Column tilt and reach adjustment

### SUSPENSION

- Front Independent double wishbone incorporating anti-dive geometry, coil springs, anti-roll bar and monotube dampers
- Rear Independent double wishbones with anti-squat and anti-lift geometry, dual-rate coil springs, anti-roll bar and monotube dampers

### WHEELS

- Front 9" x 19"
- Rear 11" x 19"

### TYRES

- Front Pirelli P Zero Corsa 255/35 ZR19
- Rear Pirelli P Zero Corsa 295/30 ZR19

### BRAKES

- Front Ventilated carbon ceramic discs 398mm diameter with six-piston calipers
- Rear Ventilated carbon ceramic discs 360mm diameter with four-piston calipers
- Dynamic Stability Control (DSC) with Track mode
- Anti-lock Braking System (ABS)
- Electronic Brakeforce Distribution (EBD)
- Emergency Brake Assist (EBA)
- Traction Control

### INTERIOR

- Carbon-fibre door pulls
- Memory seats and exterior mirrors (three positions)
- Sports seats with 10-way electric adjustment, including height, tilt and lumbar adjustment
- Dual-stage driver and passenger front airbags
- Side airbags (Sports seats only)
- Heated rear screen
- Automatic temperature control
- Organic Electroluminescent (OEL) displays
- Trip computer
- Cruise control
- Hard Disk Drive (HDD) satellite navigation system<sup>1</sup>
- Bluetooth telephone preparation<sup>1</sup>
- Powerfold exterior mirrors
- Rear parking sensors
- Auto dimming interior rear-view mirror
- Tyre-pressure monitoring<sup>1</sup>
- Alarm and immobiliser
- Remote-control central door locking and boot release
- Battery disconnect switch
- Tracking device (UK only)

### IN-CAR ENTERTAINMENT

- 160 W Aston Martin Audio System
- MP3 player connectivity

### OPTIONS

- Lightweight carbon-fibre and Kevlar® seats with 6-way adjustment, including front and rear height adjust. (Does not include side airbags or Passenger Airbag Cut-Off Switch)<sup>1</sup>
- 700 W Aston Martin Premium Audio System with Dolby® Pro Logic II®
- 1000 W Bang & Olufsen BeoSound Audio System

- Piano Black facia trim
- Graphite Alloy facia trim
- Second glass key
- Personalised sill plaques
- Garage door opener (Europe only)
- Tracking device<sup>2</sup>
- First-aid kit
- Ashtray and cigar lighter
- Boot-mounted umbrella
- Front parking sensors
- Heated seats (Sports seats only)
- ISOFIX and fixed-height passenger seat (Sports seat only)
- Bright finish grille

### DIMENSIONS

- Length 4380mm (172.5")
- Width 1865mm (73.5") excluding door mirrors; 2025mm (80") including door mirrors
- Height 1241mm (49")
- Wheelbase 2600mm (107.9")
- Fuel tank capacity 80 litres (17.6 UK gal./ 21.1 US gal)
- Weight 1680 kg (3704 lb)

### FUEL CONSUMPTION

- Litres/100 km (mpg)
- Urban 24.26 (11.64)
- Extra-urban 11.74 (24.05)
- Combined 16.35 (17.28)

### CO<sub>2</sub> EMISSIONS

- 388 g/km

### CARBON BLACK EDITION

#### (in addition to the standard specification)

- Carbon Black metallic paintwork
- Carbon-fibre side strakes with Black mesh inserts
- Gloss black 10-spoke diamond turned alloy wheels
- Bright finish grille
- Front parking sensors
- Lightweight carbon-fibre and Kevlar® seats<sup>1</sup>
- Obsidian Black leather and Alcantara interior trim
- Piano black facia and centre console trim
- Anodised black tread plates
- Unique sill plaques

<sup>1</sup> Not available in all markets

<sup>2</sup> Complies with UK Thatcham Category 5 requirements. Excludes subscription. Standard in UK

V12 Vantage is not available in North American markets

ASTON MARTIN LAGONDA LIMITED, BANBURY ROAD, GAYDON, WARWICK CV35 0DB, ENGLAND  
TELEPHONE +44 (0)1926 644644 FACSIMILE +44 (0)1926 644004 WWW.ASTONMARTIN.COM

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