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V8 VANTAGE N420



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THE NEW V8 VANTAGE N420 IS DIRECTLY RELATED TO WHAT IS PERHAPS ONE OF ASTON MARTIN'S MOST SUCCESSFUL RACING CARS OF THE MODERN ERA, THE VANTAGE N24.

This Special Edition production run has been created to celebrate the sporting character and dynamic ability of the Aston Martin V8 Vantage.



V8 Vantage N420 above shown with optional Race Collection colour scheme.



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# THE V8 VANTAGE N420

THE V8 VANTAGE DEBUTED IN 2005 AND IS NOW THE MOST SUCCESSFUL ASTON MARTIN PRODUCTION CAR OF ALL TIME.

From the outset, the V8 Vantage was endurance tested at speed, including a 10,000 km durability sign off test at the legendary Nürburgring Nordschleife. The following year, the car returned, this time to race following the efforts of a small factory team of dedicated engineers and technicians. Starting with a standard V8 Vantage, the team built an entrant for the 2006 Nürburgring 24 hour race with Aston Martin CEO Dr Ulrich Bez leading the driving team. The distinctive yellow car (nicknamed Rose) was placed 24th overall from a field of over 200 starters.

Following this remarkable achievement, it was decided to build a limited production run of 24 similar race cars in celebration and the Vantage N24 was born. Now known as the Vantage GT4, the race-going Vantage features Aston Martin's uprated 4.7 litre V8 engine, with some 60 cars having now been built following the initial run. In 2008, a limited edition run of 240 Coupes and 240 Roadsters was launched. Known as the N400, the car featured a 400 bhp version of the 4.3 litre V8 engine.

The new N420 Special Edition represents a further evolution of Aston Martin's production technology and engineering skills, creating a dynamic and distinctive limited edition. The 4.7 litre V8 engine produces 420 bhp, and a peak torque of 470 Nm, providing exceptional performance figures of 0-100 km/h (62 mph) in 4.9 seconds, with a maximum speed of 290 km/h (180 mph).

The new edition will be strictly limited, with just 420 Coupe models and 420 Roadsters to be built at Aston Martin's factory in Gaydon, Warwickshire.



V8 Vantage N420 below and facing shown with optional Race Collection colour scheme.



## DESIGN

The N420's enhanced exterior design details include a more aggressive flared sill design, a platinum finish front grille and clear rear lamp lens, as well as a weight-saving carbon-fibre front splitter, rear diffuser and carbon-fibre side strakes.

Perfectly complementing these carbon-fibre features, the N420 is available in the special edition Carbon Black paint as standard, and may also be specified from a portfolio of specially developed Race Collection colour schemes (available as an option), including Asia Pacific White, Aston Martin Racing Green, Rose Yellow (named after the original N24 race car), Elwood Blue, Kermit Green, (the nicknames of the subsequent Nürburgring-challenging N24s), Modena Black and GT2 Concept Blue.

## DYNAMICS

Signified by a unique Graphitic finish to its tailpipes, the N420's new lightweight Sports Exhaust system features a reprofiled exterior design to support undercar airflow. The exhaust's revised tuning and revised engine management system work in conjunction with the sports tailpipes to produce a distinctive exhaust note in keeping with the N420's sporting character.

Moreover, the Sports Exhaust also saves a total of 2.8 kg over that of the standard car. The N420 also features lightweight materials, such as carbon-fibre, which can be found in components such as the front splitter, rear diffuser and lightweight seats. These combine to save 28 kg over the standard V8 Vantage. Even the iconic Aston Martin side strakes are fashioned from carbon-fibre, saving 1.5 kg per car.

The N420's sports suspension features forged lightweight 10-spoke alloy wheels with a distinctive gloss black and diamond turned finish, revised dampers, uprated springs and a revised rear anti-roll bar (Coupe), for greater agility and a greater precision feel for the driver.

The V8 Vantage N420 exemplifies Aston Martin's expert synthesis of race car dynamics with supreme road going capability, a remarkable high performance car that is designed for daily use, on and off the track.





## INTERIOR

The interior of the N420 reflects the car's focus on the driver. The lightweight carbon-fibre seats provide exceptional support during dynamic driving, while the tactile sports steering wheel is available in either Alcantara (Coupe) or leather finishes. The sporting theme continues throughout the interior with graphite instrumentation and a new Double Apex alloy, or Piano Black fascia trim.

Each car features a unique numbered engine bay plaque, as well as carbon-fibre Vantage N420 sill plaques.



Lightweight seats not available in all markets. Please consult your Dealer for details.

# TECHNICAL SPECIFICATION V8 VANTAGE N420

## BODY

- Two-seat, two-door coupe or soft-cover convertible
- Bonded aluminium structure
- Aluminium, magnesium alloy, composite and steel body
- Extruded aluminium door side-impact beams
- Halogen projector headlamps (main beam)
- High Intensity Discharge headlamps (dipped beam)
- Carbon-fibre front splitter
- Carbon-fibre rear diffuser
- Carbon-fibre side strakes
- Black bonnet and side strake meshes
- N400 profile sills
- LED rear lamps

## ENGINE

- Alloy quad overhead camshaft, 32-valve, 4735 cc V8
- Front mid-mounted engine, rear-wheel drive
- Fully catalysed stainless steel lightweight sports exhaust system with active bypass valves and graphitic tailpipe finishers
- Compression ratio 11.3:1
- **Max power** 313 kW (420 bhp/426 PS) at 7300 rpm
- **Max torque** 470 Nm (346 lb.ft) at 5000 rpm
- **Acceleration** 0-60 mph in 4.7 seconds; 0-100 km/h (62 mph) in 4.9 seconds
- **Max speed** 290 km/h (180 mph)

## TRANSMISSION

- Rear mid-mounted, six-speed manual gearbox
- Alloy torque tube with carbon-fibre propeller shaft
- Limited-slip differential
- Final drive ratio 3.909:1

## STEERING

- Rack and pinion, power-assisted steering, 3.0 turns lock-to-lock
- Column tilt and reach adjustment

## WHEELS & TYRES

- 19" forged alloy wheels – 10-spoke diamond turned with black finish
- Front 8.5J x 19" Bridgestone Potenza 235/40 ZR19
- Rear 9.5J x 19" Bridgestone Potenza 275/35 ZR19

## SUSPENSION

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

## BRAKES

- Front ventilated and grooved steel discs, 355 mm diameter
- Rear ventilated and grooved steel discs, 330 mm diameter
- Radial-mounted four-piston monobloc calipers
- Dynamic Stability Control (DSC)
- Anti-lock Braking System (ABS)
- Electronic Brakeforce Distribution (EBD)
- Emergency Brake Assist (EBA)
- Positive Torque Control (PTC)
- Traction Control

## INTERIOR

- Full grain leather interior in Obsidian Black
- Alcantara headlining
- Iridium interior with Piano Black or Double Apex fascia trim
- Leather-trimmed sports steering wheel
- Electrically adjustable lightweight seats<sup>1</sup>
- Powerfold exterior mirrors
- Dual-stage driver/passenger front airbags
- Heated rear screen
- Automatic temperature control
- Organic Electroluminescent (OEL) displays
- Graphite instruments
- Trip computer
- Glass ECU
- LED map-reading lights
- Rear parking sensors
- Tyre-pressure monitoring<sup>1</sup>
- Volumetric Alarm System with Tilt sensor and immobiliser
- Remote-control central door locking and boot release
- Battery disconnect switch
- Cruise control
- Bluetooth telephone preparation
- Front parking sensors
- Auto-dimming interior rear-view mirror<sup>1</sup>
- Carbon-fibre N420 sill plaques
- Limited Edition numbered engine bay plaque

## IN-CAR ENTERTAINMENT

- 160 W Aston Martin Audio System with six-CD autochanger
- Integrated Apple iPod<sup>®</sup> connector<sup>2</sup>
- USB connectors with Waveform Audio Format (WAF), Windows Media Player (WMA) and MPEG (MP3) audio file compatibility

## OPTIONS

- Sportshift<sup>3</sup> automated manual transmission
- Electrically adjustable Sports seats with side airbags
- Black Alcantara seat inserts (Coupe only)
- Alcantara Sports steering wheel (Coupe only)
- Embroidered N420 seat logo in silver or black
- Race Collection colour scheme

- Alternative brake caliper finish – black, red, silver
- Heated seats
- 700 W Aston Martin Premium Audio System with Dolby<sup>®</sup> Pro Logic II<sup>®</sup>
- 1000 W Bang & Olufsen BeoSound Audio System
- Auto-dimming interior rear-view mirror with garage door opener<sup>1</sup>
- Hard Disk Drive (HDD) satellite navigation system<sup>1</sup>
- Satellite radio system (USA & Canada only)
- Tracking device<sup>4</sup>
- First-aid kit
- Ashtray and cigarette lighter
- Boot-mounted umbrella
- Garage door opener<sup>1</sup>

## DIMENSIONS

- Length 4380 mm (172.5")
- Width 1865 mm (73.5") excluding mirrors; 2025 mm (80.0") including mirrors
- Height (Coupe) 1255 mm (49.5")
- Height (Roadster) 1265 mm (50.0")
- Wheelbase 2600 mm (102.5")
- Front track 1570 mm (62.0")
- Rear track 1560 mm (61.5")
- Turning circle (kerb to kerb) 11.1 m (36.5 ft)
- Boot capacity (Coupe) 300 litres (10.6 cu ft)
- Boot capacity (Roadster) 144 litres (5.0 cu ft)
- Fuel tank capacity 80 litres (17.6 UK gal/21.1 US gal)
- Weight (Coupe) 1630 kg (3595 lb)
- Weight (Roadster) 1710 kg (3770 lb)

## FUEL CONSUMPTION<sup>5</sup>

- Manual, Litres/100 km (mpg)
- Urban 19.1 (14.8)
- Extra-urban 10.0 (28.3)
- Combined 13.3 (21.2)

## FUEL CONSUMPTION<sup>5</sup>

- Sportshift<sup>3</sup>, Litres/100 km (mpg)
- Urban 18.7 (15.1)
- Extra-urban 9.2 (30.7)
- Combined 12.7 (22.2)

## GAS MILEAGE (North America only)

- Manual
- City 12 mpg
- Highway 19 mpg

## GAS MILEAGE (North America only)

- Sportshift<sup>3</sup>
- City 14 mpg
- Highway 20 mpg

## CO<sub>2</sub> EMISSIONS<sup>5</sup>

- 315 g/km – manual
- 300 g/km – Sportshift<sup>3</sup>

<sup>1</sup> Not applicable to all markets. Please consult your Dealer for details

<sup>2</sup> iPod<sup>®</sup> is a trademark of Apple Inc., registered in the USA and other countries

<sup>3</sup> Sportshift trademark is used under licence from Prodrive (Holdings) Ltd

<sup>4</sup> Complies with UK Thatcham Category 5 requirements. Excludes subscription. Standard in UK

<sup>5</sup> Data not applicable

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