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.

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

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 taillpies, 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 V8 VANTAGE N420

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

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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.
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 facia trim.

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

### TECHNICAL SPECIFICATION

**V8 VANTAGE N420**

#### BODY
- Two-seat, two-door coupe or soft-top convertible
- Bonded aluminium structure
- Aluminium, magnesium alloy, composite and steel body
- Extruded aluminium door side-impact beams
- Haloen 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 sills
- Iridium profile sill
- LED rear lamps

#### ENGINE
- Alloy quad overhead camshaft, 32-valve, 4735 cc V8
- Front mid-mounted engine, rear-wheel drive
- Fully-casted stainless steel lightweight sports exhaust system with active bypass valves and graphic tailpipe finish
- Compression ratio 11.5:1
- Max power 313 kW (424 bhp/426 PS) at 7300 rpm
- Max torque 470 Nm (346 lb.ft) at 5500 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
- 10" 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-sway geometry, coil springs, anti-roll bar and monobloc dampers
- Rear independent double wishbones with anti-sway and anti-lift geometry, coil springs, anti-roll bar and monobloc dampers

#### BRAKES
- Front ventilated and grooved steel discs, 355 mm diameter
- Rear ventilated and grooved steel discs, 300 mm diameter
- Radial-mounted blue-painted monobloc calipers
- Dynamic Stability Control (DSC)
- Anti-lock Braking System (ABS)
- Electronic Brakeforce Distribution (EBD)
- Emergency Brake Assist (EBA)
- Proactive Torque Control (PTC)

#### INTERIOR
- Full grain leather interior in Obsidian Black
- Aluminium headlining
- Interior in Piano Black or Double Apex carbon-fibre
- Leather-trimmed sports steering wheel
- Electrically adjustable lightweight seats
- Power-assisted steering
- 3.0 turns lock-to-lock
- Limited slip differential
- LED map-readings lights
- Powerfold exterior mirrors
- Heated rear screen
- Electrically adjustable lightweight seats
- Iridium interior with Piano Black or Double Apex carbon-fibre

#### IN-CAR ENTERTAINMENT
- 170 W Aston Martin Audio System with six-cd autorchanger
- Integrated Apple iPod® connector
- USB connectors with Waveform Audio Format (WAF), Dolby® Pro Logic II®
- 160 W Aston Martin Audio System with six-CD facia trim
- 700 W Aston Martin Premium Audio System with Waveform Audio Format (WAF), Microsoft Media Player (WMA) and MPEG (MP3) audio file compatibility

#### OPTIONS
- SportsR® automated manual transmission
- Electrically adjustable Sports seats with leather or Alcantara inserts
- Carbon-fibre N420 sill plaques
- Limited Edition numbered engine bay plaque

#### DIMENSIONS
- Length: 4956 mm (195.0")
- Width: 1885 mm (74.5") excluding mirrors, 2225 mm (87.5") including mirrors
- Height (Convertible): 1250 mm (49.2")
- Weight (Roadster): 1710 kg (3770 lb)
- Weight (Coupe): 1630 kg (3595 lb)
- Fuel tank capacity: 80 litres (17.6 UK gal/21.1 US gal)
- Boot capacity (Roadster): 144 litres (5.0 cu ft)
- Boot capacity (Coupe): 105 litres (3.7 cu ft)
- Height (Roadster): 1265 mm (50.0")
- Height (Coupe): 1255 mm (49.5")
- Wheelbase: 2650 mm (104.3") including mirrors
- Front track: 1110 mm (43.7")
- Rear track: 1090 mm (43.0")
- Circle turning (radius to kerb): 11.1 m (36.8 ft)
- Boot capacity (Convertible): 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 (Convertible): 1710 kg (3770 lb)

#### FUEL CONSUMPTION
- Urban: 19.1 (14.8)
- Extra-urban: 15.0 (25.9)
- Combined: 13.3 (21.2)

#### FUEL CONSUMPTION (North America only)
- Manual: 14.4 mpg
- Automatic: 10.5 mpg

#### GAS MILEAGE
- Gas Mileage (Roadster) 17.6 mpg
- Gas Mileage (Coupe) 17.5 mpg

#### CO2 EMISSIONS
- 315 g/km – manual
- 330 g/km – Sportshift3

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1 Not applicable to all markets. Please consult your Dealer for details
2 iPod® is a trademark of Apple Inc., registered in the USA and other countries
3 SportsR® is a trademark of Prodrive Holdings Ltd
4 Complex with UK Trackday Category 5 requirements. Excludes subscription. Standard in UK
5 Data not applicable

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

TECHNICAL SPECIFICATION

V8 VANTAGE N420

BODY
- Two-seat, two-door coupe or soft-top convertible
- Bonded aluminium structure
- Aluminium, magnesium alloy, composite and steel body
- Extruded aluminium door side-impact beams
- Helicopter projector headlamps (main beam)
- High intensity discharge headlamps (dipped beam)
- Carbon-fibre front splitter
- Carbon-fibre rear diffuser
- Carbon-fibre side stripes
- Black bonnet and side stripe mesh
- 4-door profile sill
- LED rear lamps

ENGINE
- Alloy quad overhead camshaft, 32-valve, 4356 cc V8
- Front mid-mounted engine, rear-wheel drive
- Fully catalysed stainless steel lightweight sports exhaust system with active bypass valves and graphic tailpipes finisher
- Compression ratio 11.5:1
- Max power 413 kW (560 bhp/568 PS) at 7300 rpm
- Max torque 470 Nm (346 lb.ft) at 5000 rpm
- Acceleration 0-100 km/h (6.2 mph) in 4.7 seconds, 0-120 km/h (72 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
- Full Pirelli P Zero Cinturato Temp, 245/35 ZR19 front, 295/30 ZR20 rear
- Black bonnet and side stripes
- Bonded aluminium structure
- Two-seat, two-door coupe or soft-cover convertible

SUSPENSION
- Sports suspension
- Front independent double wishbones incorporating anti-lift 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, 305 mm diameter
- Rear ventilated and grooved steel discs, 300 mm diameter
- Radial-mounted blue-painted monobloc calipers
- Dynamic Stability Control (DSC)
- Anti-lock Braking System (ABS)
- Electronic Brakeforce Distribution (EBD)
- Emergency Brake Assist (EBA)
- Proactive Torque Control (PTC)

INTERIOR
- Full grain leather interior in Oriental Black
- Alcantara headlining
- Bonded aluminium structure
- Two-seat, two-door coupe or soft-cover convertible

IN-CAR ENTERTAINMENT
- 170 W Aston Martin Audio System with six-Cd changer
- Integrated Apple iPod® connector
- USB connectors with Waveform Audio Format (WAF)
- 1000 W Bang & Olufsen BeoSound Audio System

OPTIONS
- SportsR™-automated manual transmission
- Electrically adjustable Sports seats with side airbags
- Black Alcantara seat inserts (Coupe only)
- Alcantara Sports steering wheel (Couple or black)
- Embroidered N420 seat logo in silver or black
- Race Collection colour scheme

CO2 EMISSIONS
- 315 g/km – manual
- 290 g/km – Sportshift3

FUEL CONSUMPTION
- Highway - 12.7 (22.2)
- Urban - 18.7 (15.1)
- Extra-urban - 19 (14.8)

FUEL TANK CAPACITY
- 80 litres (17.6 UK gal/21.1 US gal)
- Combined 13.3 (21.2)

GAS MILEAGE
- North America only
- Manual – 10.9 (23.0)
- Extra-urban – 15.2 (28.7)
- Combined – 12.7 (22.2)

GARAGE DOOR OPENER
- Manual – 150 kg (330 lb)
- Extra-urban – 150 kg (330 lb)

ORTH AMERICA ONLY
- Android Auto®
- Apple CarPlay®
- Iridium interior with Piano Black or Double Apex facia trims
- Bonded aluminium structure
- Two-seat, two-door coupe or soft-cover convertible

1. Not applicable to all markets. Please consult your Dealer for details.
2. iPod® is a trademark of Apple Inc., registered in the USA and other countries
3. SportsR™ is a trademark used under licence from Protonic Holdings Ltd.
5. Data not applicable

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