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VX220. PURE EXHILARATION.

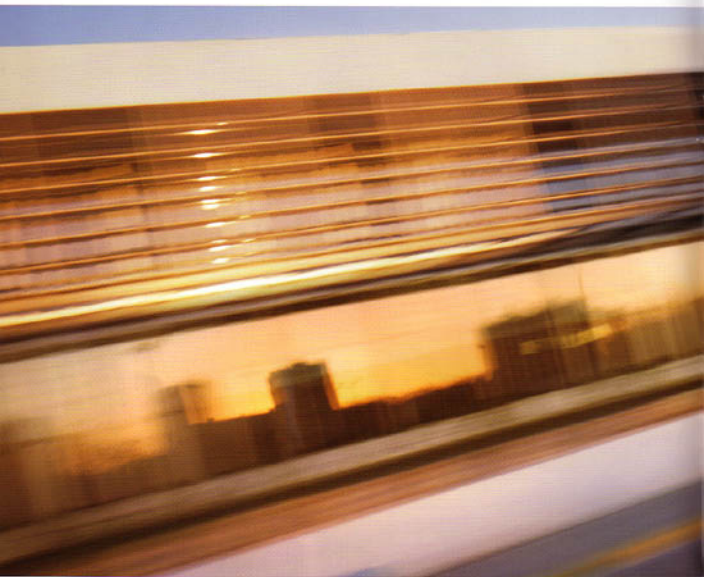
When was the last time you drove a car just for the sheer thrill of it? Because VX220 is that sort of car. Combining a state-of-the-art composite bodyshell with a lightweight, aluminium chassis. Near-perfect weight distribution, double wishbone independent suspension, 17-inch alloy wheels and race-bred brakes confirm the credentials.

VX220. Totally dedicated to pure performance driving.





VX220 Turbo

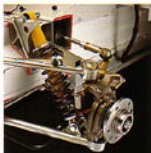


VX220. TOTAL PERFORMANCE.

Some will choose the VX220 for its ability to hit 60mph from standstill in just 4.7 seconds. Others will be attracted by its awesome cornering and high-speed stability. Whatever the reasons, they're all the right choice. Because they're all part of the same package. VX220. A pure performance car. The ultimate driving experience.







VX220 CHASSIS DYNAMICS. THINK AGILITY. THINK BALANCE.

A fast road chassis demands purity of purpose
and a total commitment to driving excitement.

VX220 has an incredibly lightweight extruded aluminium chassis, with a long wheelbase for high-speed stability. A mid-mounted engine means perfectly balanced weight distribution. And a low 140mm ride height with a wide track reduces roll under cornering.

The all-independent suspension – tubular steel, unequal length double wishbones, front and rear – is specifically tuned with Bilstein monotube dampers. And pin-sharp,

high-ratio steering with no power assistance ensures a very direct connection with the road.

While Bosch supply the Anti-lock Braking System (ABS), the 288mm diameter ventilated discs are coupled with AP Racing and Brembo aluminium brake calipers for high performance and low unsprung weight. Bridgestone produce 17-inch Potenza tyres with a special VX220 compound – 175/55 at the front, and 225/45 at the rear.





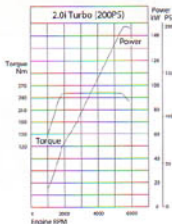
TURBO POWER. IT'S ALL ABOUT THE FIGURES.

It takes just 4.7 seconds for VX220 to accelerate to 60mph from a standing start. What else do you need to know?

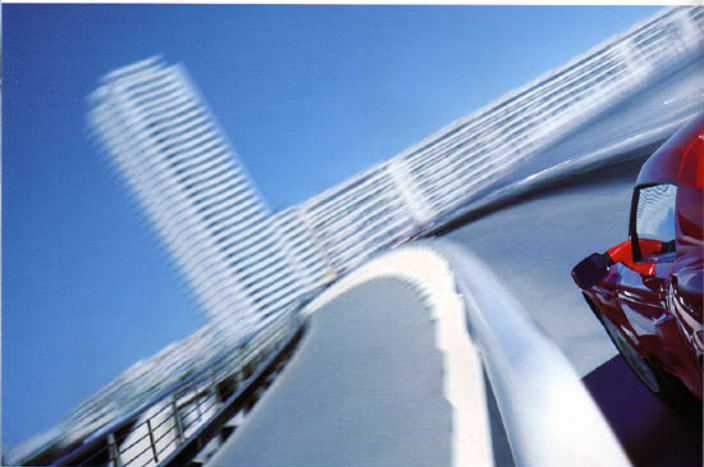
You don't make 60mph in under five seconds without serious engine technology, and VX220 does not disappoint. It's not just the turbocharger and air-cooled intercooler either. This two-litre motor comes with an alloy multi-valve cylinder head and a specially designed exhaust system. There's the latest Motronic ME 15.5 engine management and multi-point, sequential, dual spray fuel injection, direct ignition and electronic 'drive by wire' throttle control. So yes, it is quick. So quick, in fact, that it

comes with a gear shift-up light to help drivers extract maximum performance from the five-speed Getrag gearbox without having to watch the rev counter.

What else can we say about the 2.0i 16V Turbo that the figures don't say for themselves? It's not just the maximum 200PS at 5400rpm. It's the thundering 250Nm of torque, available right down at 1950rpm – enough to accelerate you from 30–50mph in fourth gear in just 4.0 seconds.



VX220 CHASSIS TECHNOLOGY. INTELLIGENT THINKING.



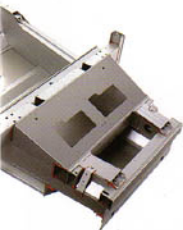
Road car chassis that are among the lightest and stiffest ever produced do not happen overnight. We begin with aluminium extrusions, heat treated for added strength and anodised for outstanding corrosion resistance. Then we bond them together with high-tech epoxy adhesives. Why? Because if we weld them, it could marginally affect the accuracy of the suspension geometry.

For all-round safety, the chassis has an incredibly strong perimeter frame with deep side members and an integral roll-over bar. Frontal impacts are absorbed by a separate composite crash structure bonded to the aluminium chassis. We didn't put side-impact door beams in the doors – the beams are the doors. And if the exhaust silencer doubles up as part of the rear crash protection, think of the weight it saves. Just

two more examples of VX220 intelligent thinking.

If you want the best in lightweight, strong, corrosion-free panels, you really need fibre-reinforced composite construction using Resin Transfer Method technology. So that's exactly how we do it. And again, the main body tub is bonded to the chassis for incredible torsional rigidity and lateral load stiffness.





High performance is a serious proposition. So a full-size driver's airbag, body-lock seatbelt pretensioners, ABS braking and a high-level centre brake light are just a sample of VX220 safety features.







VX220 DESIGN. WHERE STYLE MEETS PURPOSE.

VX220 is a truly stunning design. It's a lean, purposeful, even aggressive look with hard edges and an aerodynamic stance.



**VX220 DRIVER CONTROL.
YOU'RE IN CHARGE.**

The VX220 cockpit is designed for instant communication between driver and chassis. A control zone for serious drivers.





VX220 INTERIOR FEATURES. THE PERFECT COMBINATION.

Great looking, lightweight, supportive, informative. The VX220 driver environment is all that and more.

The VX220 cockpit was developed to assist the driver in every way. For example, the exclusive Momo steering wheel is leather-trimmed and ergonomically sculpted for high grip. The sports seats come with integral head restraints and firm lateral support to hold you in place under high levels of lateral g-force.

It certainly looks the part, with smart black fabric and a choice of leather trim, exposed aluminium, machined alloy and aluminium

effect parts. It comes with important security features like a deadlock immobiliser and remote control alarm. And options include an audio system and central door locking. There's even space for two weekend bags.

And our favourite feature? That aluminium starter button – mounted high and inviting in the centre of the fascia. Turn the key. Push the button. The action starts here.



Audio speaker.



Remote control alarm and immobiliser.



Passenger foot rest, audio system and leather trim are optional at extra cost.

VXR

VXR signals the birth of a new era of performance cars from Vauxhall. A range of driver-focused, soul-stirring machines for the road, born on the track. Cars with soul and power to make you feel alive, electrified and inspired. Are you VXR enough?





VXR220. UNADULTERATED, UNCONTAMINATED PERFORMANCE.

Performance-focused chassis. Track-oriented specification. There's nothing spurious about VXR220. This is VX220 unleashed. Hybrid turbo, free-flow air filter and an uprated suspension and braking system is just one side of the story. 220PS and performance that will see 60mph in 4.2 seconds is the other. Ask your VX220 retailer for a copy of the VXR brochure or visit www.vxr.co.uk for more information.

STANDARD EQUIPMENT

Safety

- Driver's full-size airbag
- Anti-lock Braking System (ABS)
- Integral side-impact protection
- Integral roll-over bar
- Reinforced passenger safety cell with deformation zones front and rear
- Fuel tank located ahead of rear wheels
- Body-lock seatbelt pretensioner system
- Laminated windscreen
- Fixed head restraints

Mechanical

- Mid-engine layout, rear-wheel drive
- Getrag five-speed manual gearbox
- Twin catalytic converters

Seating and upholstery

- Sports seats
- Lumbar adjustable driver's seat
- Driver's seat adjustable for reach
- Black Dye cloth trim

Audio equipment

- Audio preparation
- Two speakers
- Radio aerial mounted on roll-over bar cover

Security

- Remote control alarm system with microwave sensor, LED warning light and power siren
- Visible Vehicle Identification Number (VIN) plate
- Electronic engine deadlock immobiliser
- Lockable fuel filler cap

Facia, instruments and controls

- Facia-mounted starter button
- Leather-covered, three-spoke Momo steering wheel
- Sports instruments incorporating stepper motor speedometer and tachometer
- Gear shift-up light
- LCD multi-function display including trip, odometer, fuel level and water temperature
- Low-fuel indicator
- Instrument panel light dimmer

Heating and ventilation

- Air-blend heater with variable speed fan
- Four adjustable dashboard air vents

Interior lighting

- Interior courtesy light operated by door switches

Additional interior features

- Exposed aluminium on chassis and footwell
- Aluminium window winders
- Aluminium-effect door panels
- Aluminium gear lever
- Drilled aluminium pedals with rubber inserts
- Plastic sill covers
- Dipping rear-view mirror
- Drink holder between seats
- Cigar lighter/electrical accessory socket
- Fabric door sill map pocket
- Telephone pocket

Exterior and convenience features

- Tinted glass
- Manually adjustable door mirrors
- Twin-jet windscreen washer nozzles
- Two-speed windscreen wiper
- Intermittent facility for windscreen wiper

Exterior styling

- Removable black soft top with storage bag
- Body-colour door mirrors
- Aluminium-effect windscreen surround
- Black front air deflectors
- Body-colour integral rear spoiler
- Twin vertically mounted chrome-tipped exhaust tailpipes

Exterior lighting

- Compact H7 halogen headlights
- Front fog lights
- Reversing light
- Rear fog light
- Hazard warning lights and side repeat indicators
- Lights-on audible warning
- High-level centre brake light
- Dark-style headlight and tail light housings

Vauxhall Assistance and warranties*

- A one-year unlimited mileage manufacturer's warranty
- Second and third year no-fee customer option warranty up to 60,000 miles (from first registration)
- Vauxhall Assistance for 12 months from first registration
- Roadside breakdown cover in years two and three (subject to vehicle being serviced at a Vauxhall retailer)
- 10 years' chassis anti-perforation warranty

* * * Warranty is only available on vehicles sourced from Vauxhall Motors Ltd. Terms and conditions apply - please see your Vauxhall retailer for details.



EXTRA-COST OPTIONS

Interior features

- Leather trim in a choice of five colour combinations – all black, blue/black, red/black, beige/black and green/black
- Touring pack – carpeted sills and additional sound insulation
- Stainless steel sill covers with Turbo etching
- Fixed aluminium passenger's stepped footrest
- Floor mats

Security feature

- Remote control central locking (doors only)

Exterior features

- Two-coat metallic or pearlescent paint
- Soft top in dark blue, red or green
- Removable body-colour hard top with storage bag
- Cross-drilled brake discs front and rear

Audio equipment

- Blaupunkt Lausanne CD33 stereo radio/CD player
- Blaupunkt Skyline Los Angeles MP72 stereo radio/MP3/CD player with two additional front speakers
- Blaupunkt TravelPilot DX-RS2 stereo radio/CD player with satellite navigation system and two additional front speakers
- Blaupunkt IDCA90 five-disc CD autochanger (boot mounted)



Blaupunkt Lausanne CD33



Blaupunkt Skyline Los Angeles MP72



Blaupunkt TravelPilot DX-RS2

ACCESSORIES

Protection

- Dust cover
- Shower cover
- Floor mats
- Car care kit

Touring

- Hard top kit with storage bag
- Luggage bags – set of two
- Storage pack (net behind seats and leather door sill pockets in lieu of standard pockets)

Styling

- Centre brace – aluminium
- Gear knob – aluminium
- Gear lever gale – aluminium
- Seatbelt pads



Charcoal black floor mats with VAG20 logo provide both protection and sound proofing.



Aluminium centre brace and gear lever gale add style



Scotthill pads with VAG20 logo

Please note: vehicles shown throughout this brochure may differ from the standard specification and may feature extra-cost options and accessories.

TECHNICAL INFORMATION

Engine

2.0i 16v turbo ECOTEC-4

Capacity: 1998cc

Max. power: 200PS (147kW) @ 5400rpm

Max. torque: 250Nm (184 lb ft) @ 1950rpm

Compression ratio: 8.8:1

Configuration: 16-valve, four-cylinder layout. Alloy cylinder head, double overhead camshafts and twin contra-rotating balancer shafts. Turbocharger and air-cooled intercooler. **Engine management:** Motronic ME 1.5.5 system. Multi-point sequential fuel spray fuel injection with knock control and air mass metering. Drive by wire electronic throttle control. Direct ignition system with single-spark coil-in-module per cylinder. **Emission control:** Electronically controlled exhaust gas recirculation. Air injection system. Lambda sensor with pre-catalyst and three-way closed-loop catalytic converter. Euro 4 emission compliant.

Performance, fuel economy and emissions

Model	Performance (manufacturer's figures)			Fuel economy mpg (litres/100km)			CO ₂ emissions (g/km)
	Maximum speed (mph)	Acceleration 0-60mph (secs)	Acceleration 30-50mph (4th gear)(secs)	Urban driving	Extra-urban driving	Combined figure	
2.0i 16v Turbo	151	4.7	4.0	23.7 (11.9)	43.5 (6.5)	33.2 (8.5)	202

The fuel consumption figures shown comply with EC directive 1999/100 to provide a realistic indication of fuel consumption by averaging into actual everyday driving conditions, such as cold starts, acceleration and braking. These figures take account of the vehicle's kerbweight, as stipulated in accordance with the above regulation. **Important:** the results given relate to the particular certified Variations in optional equipment may result in slightly higher fuel consumption and CO₂ emission levels than those quoted. Driving style, road and traffic conditions, vehicle mileage and standard of maintenance may also affect fuel consumption. Therefore the results do not express or imply any guarantee of fuel consumption attainable.

Transmission ratios

Manual	Clutch diameter	Gear ratios (mph/1000rpm)					Reverse	Final drive ratio
		1	2	3	4	5		
2.0i 16v Turbo	228mm	3.58:1 (5.5)	2.02:1 (9.8)	1.35:1 (14.6)	0.97:1 (20.3)	0.79:1 (25.0)	3.3:1	3.63:1

Weights (kg)

Model	Kerbweight*	Gross vehicle weight
2.0i 16v Turbo	930	1150

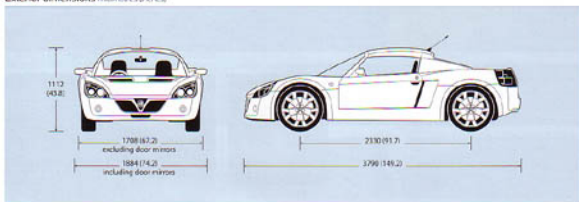
Please note: For information on V004220 specification and performance figures please refer to separate V004 brochure

Gross vehicle weight is the total permissible weight of the vehicle including passengers and their luggage. To determine total carrying capacity, deduct kerbweight from gross vehicle weight. *Excluding driver

0-60mph
in 4.7secs



Exterior dimensions millimetres (inches)



Transmission

- Mid-engine layout driving rear wheels
- Getrag five-speed manual gearbox
- Hydraulically actuated, asbestos-free, single-plate clutch

Steering

- Manual rack and pinion system
- Turns lock-to-lock 2.8
- Turning circle 11.25m (36.9ft)

Suspension

Front:

- Independent unequal length double wishbones
- Coil springs over monotube Bilstein dampers
- Anti-roll bar
- Front track 1550mm

Rear:

- Independent unequal length double wishbones
- Multi-link lower wishbone
- Coil springs over monotube Bilstein dampers
- Rear track 1494mm

Luggage capacity

- 200 litres (7.1 cu.ft.)

Chassis

- Constructed from epoxy-bonded aluminium extrusions and panels
- Front crash deformation structures formed using closed-mould technology
- Steel rear subframe for engine and rear suspension
- Integral steel roll-over bar

Body

- Bonded flush-fitting front and rear screens
- Semi flush-fitting side window glass
- Recessed windscreen wiper
- Composite body panels

Electrics

- Battery: 45Ah
- Alternator: 100A

Fuel tank capacity

- 36 litres (7.9 gallons)

Insurance group

- Group 19D
- As recommended by the Association of British Insurers

Wheels and tyres

Front:

- 5/1 J x 17 alloy wheels with locking bolts
- 175/55 Bridgestone Potenza tyres

Rear:

- 7/1 J x 17 alloy wheels with locking bolts
 - 225/45 Bridgestone Potenza tyres
- Please note: VX220 Turbo does not include a spare wheel. An emergency tyre inflation kit is provided to effect a temporary 'get you home' repair.

Brakes

Front ventilated disc brakes: 288mm

diameter featuring AP Racing calipers

Rear ventilated disc brakes: 288mm

diameter featuring Brembo calipers

• Anti-lock Braking System (ABS)

• Dual circuit, diagonally split, servo-assisted system

• Corrosion-protected brake pipes

• Cross-drilled 288mm front and rear brake discs available at extra cost



Cross-drilled brake disc



COLOUR AND TRIM AVAILABILITY

VX220 interior trims, available in cloth and Scottish leather, have been carefully selected to complement the exterior paintwork choices. VX220 retailers have actual exterior paint, interior trim and soft top fabric samples available for inspection. Please refer to the chart opposite for full colour combination availability.

Please note printing inks can't exactly match the brilliance or exact tones of our colours - especially our metallics and pearlescents - so those reproduced here may vary slightly from the actual colour on the car.

Leather

*(optional at extra cost)
Option includes leather seat facings, centre console
(on black leather) and door trim insert panels.*

Fabric



Dixie Black Cloth



Black

Bright Blue



Bright Red

Bright Orange



Ocean's Grey



Bright Blue Leather



Bright Red Leather



Exterior/interior trim/soft top colour combinations

	Dark Black cloth trim	Black leather trim	Bright Blue leather trim	Biscuit Beige leather trim	Bright Red leather trim	Ocean Green leather trim
Solid exterior colours	Soft top - colour availability					
Calypso Red	●Black ○Red	●Black ○Red	—	●Black ○Red	●Black ○Red	—
Colmar Blue	●Black ○Blue	●Black ○Blue	●Black ○Blue	●Black ○Blue	—	—
Brilliant Yellow (two-coat)	●Black	●Black	●Black ○Blue	—	—	●Black ○Green
Two-coat metallic exterior colours*						
Silver	●Black	●Black	●Black ○Blue	●Black	●Black ○Red	●Black ○Green
Petrol	●Black	●Black	—	●Black	—	—
Moonland	●Black ○Blue	●Black ○Blue	●Black ○Blue	●Black	●Black ○Red	—
Two-coat pearlescent exterior colours*						
Europa Blue	●Black ○Blue	●Black ○Blue	●Black ○Blue	●Black ○Blue	●Black ○Red	—
Le Mans Green	●Black ○Green	●Black ○Green	—	●Black ○Green	—	●Black ○Green
Black Sapphire	●Black	●Black	—	●Black	●Black ○Red	—
Mandarin	●Black	●Black	●Black ○Blue	—	—	—
Coral Blue	●Black	●Black	●Black ○Blue	●Black ○Blue	●Black ○Red	—
Switch	●Black	●Black	●Black ○Blue	●Black ○Green	—	●Black ○Green

● = Black soft top is fitted as standard. ○ = Leather trim is indicated is not available in combination with exterior colour shown.

○ = Blue, red or green soft tops are optional at extra cost. * = Optional at extra cost.

Please note: leather trim is optional at extra cost. A removable hard top in body colour is also available as an extra-cost option.

OPTIONAL SOFT/HARD TOPS



1. Black soft top fitted as standard.
2,3,4. Red, green and blue soft tops available as extra-cost options.
5. Optional body-colour hard top with storage bag.

TRUST VAUXHALL TO TAKE CARE OF THE FINER DETAILS.

There are more important things to life than worrying about how to finance and service your VX220, where to go in the event of an accident and how we go about meeting the transport challenges of the future. So when you choose Vauxhall, you can rely on us to safeguard both you and the environment around you, leaving you free to concentrate on the more important business of enjoying your car!

Protecting the environment

At Vauxhall, we take a broader viewpoint than the design, manufacture and selling of cars. We are committed to looking after the environment throughout the life cycle of the vehicle.

Our products are increasingly winning environmental awards, both through the use of more recycled materials and by becoming cleaner and more efficient (see www.vauxhall.co.uk/recycling for details). We're already working to reduce the carbon dioxide emissions from our new cars by 25% by 2008.

Vauxhall was also the first manufacturer to offer a range of Dual-fuel LPG/petrol vehicles, supported by a full factory warranty.

Looking to the future, we are also investing heavily in the biggest potential breakthrough of the next decade – the development of the hydrogen fuel cell car.

Customer Care Commitment

Providing drivers with the highest standards of after-sales support, Vauxhall offer a three-year Customer Care Commitment* package. Highlights include:

- A one-year unlimited mileage manufacturer's warranty
- A second and third year no-fee customer option warranty to 60,000 miles from first registration

* Warranty is only available on vehicles sourced from Vauxhall Motors Ltd. Terms and conditions apply – please see your Vauxhall retailer for details.

Sureguard protection

Should you wish to enjoy the range of benefits provided by Vauxhall Assistance for a full three years from first registration, then new Sureguard Assistance is for you. If you are a higher mileage driver or plan to keep your vehicle for longer than the standard warranty period, you need the protection of Sureguard Warranty. This provides all the peace of mind of a parts and labour warranty – including Assistance

– for the duration of your cover. Sureguard Warranty and Sureguard Assistance now come with the added peace of mind of Sureguard MOT Warranty. For details contact your local Vauxhall retailer or call 0870 752 7020.

Anti-perforation warranty

Your new Vauxhall VX220 comes with a chassis anti-perforation warranty for a period of ten years from the date of first registration.

Buying your car

Convenient to arrange at your Vauxhall retailer, Vauxhall Finance is the affordable way to finance your new car.

Servicing and maintenance

The best way to maximise the performance and reliability of your Vauxhall, is to have all routine servicing and maintenance carried out at a Vauxhall retailer. There are 75 specialist VX220 retailers nationwide.



- Competitive price
- FREE courtesy car*
- Vauxhall parts & labour*
- Instant cover
- FREE 24 hour accident recovery
- FREE Keycare cover included

Call now for a quote

0870 024 0240

or buy online www.vauxhall.co.uk and save an extra 5%

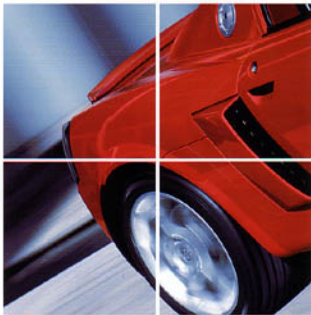


**VAUXHALL
Insurance**

Dodge higher premiums with Vauxhall Motor Insurance



* when you use a Vauxhall Approved Retailer. Lines open Mon-Fri 9am-5pm, Sat 9am-5pm. Saturday Vauxhall Insurance is underwritten by UK Insurance Limited, The Wharf, Pavley Street, Leeds LS1 4AZ, a member of the General Insurance Standards Council. Calls may be monitored or recorded. Calls charged at national rate. Subject to our acceptance and underwriting criteria. Reports subject to terms and conditions which are available on request.



Every effort has been made to ensure that the contents of this publication were accurate and up-to-date at the time of going to press (May 2004).

Vauxhall vehicles are equipped with components manufactured by various General Motors operating units and outside suppliers. In line with Vauxhall's policy of continuous product improvement, the Company reserves the right to change specifications and make modifications to the vehicles described and illustrated at any time.

Any such modifications will be notified to Vauxhall retailers at the earliest opportunity; please consult your local retailer for the latest information.

The specifications detailed within this brochure are not necessarily applicable to alternative models such as Special Editions. Details of any such models will be contained in specific literature or found on the Vauxhall website.

The colours reproduced in this brochure may vary slightly from the actual paint colour or trim materials due to the limitations of the printing process.

Please note that Vauxhall retailers are not the agents of Vauxhall Motors Limited and are not authorised to bind the Company by any specific or implied undertaking or representation.

It is advisable to ensure that your motor insurance policy provides adequate cover for additional fitted accessories.

As part of Vauxhall's policy of environmental care, this brochure is printed on paper manufactured using Elemental Chlorine Free pulps from specially farmed, sustainable timber resources.

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