

**VOLVO XC90**



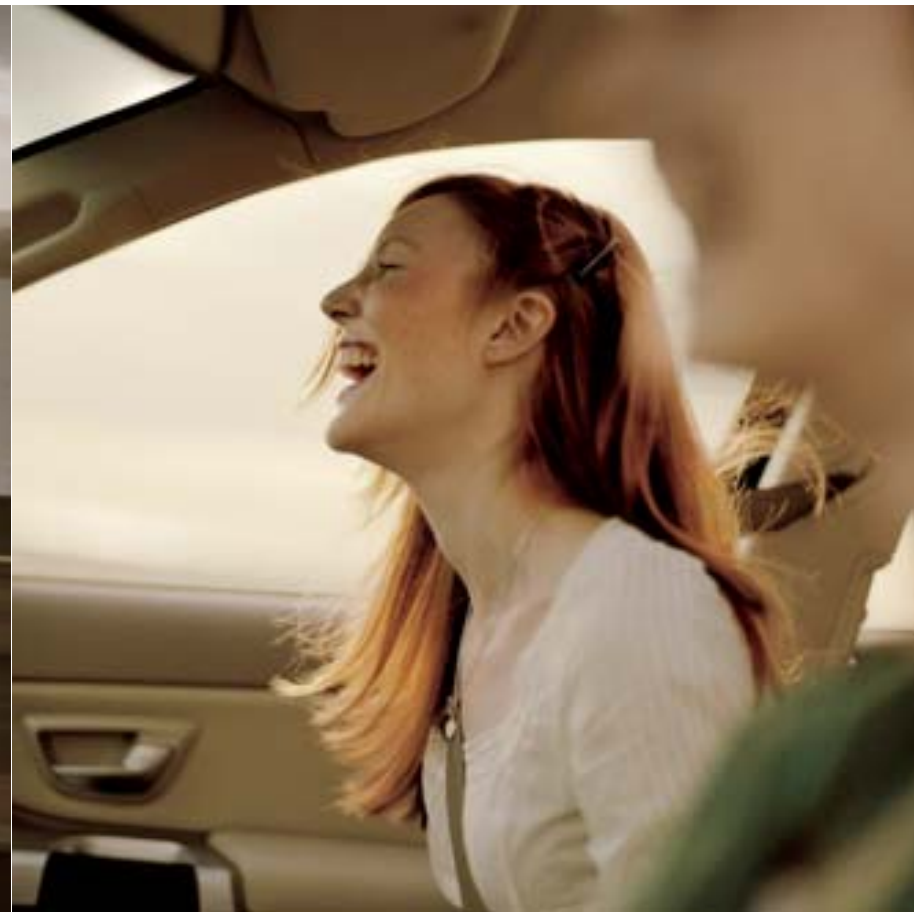
Is there a bigger word for luxury?



The Volvo XC90.



This is taking luxury to a new altitude—and still having firm contact with the essentials. Empowering seating position. Sovereign hide interior. Premium Sound music system. Masterful V8. Innovative safety. It's amazing how smoothly all this fits into everyday life. It's no wonder the Volvo XC90 is one of the planet's most award-winning\* SUVs. Because whether the road of life is a highway or a dirt road known by a few, this powerful, yet conscientious, Scandinavian will take you places in style.



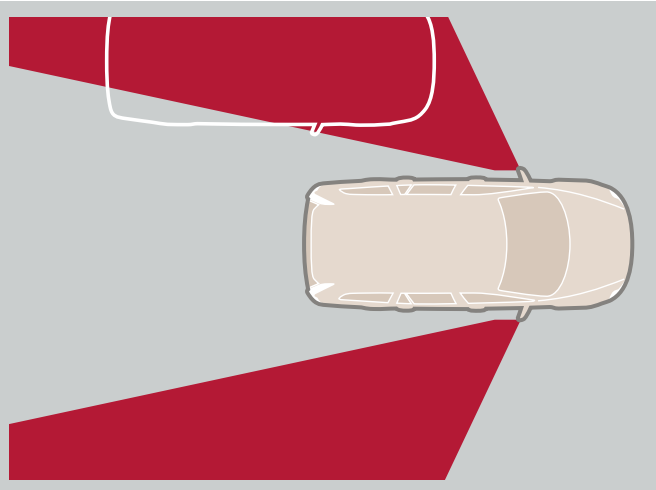
\* The Volvo XC90 has received more than 50 international awards for its safety, design, versatility and environmental consideration.



The clean, elemental Scandinavian design, controls with the right feel, in all the right places, and materials selected and crafted to soothe your senses. Seats that cradle your body and relax your mind. Unwind, surrounded by elegant, uncluttered functionality—whether it's for five minutes or the next five hours.



Smart is beautiful.



**Blind Spot Information System (BLIS) (optional)**

BLIS is particularly reassuring in congested traffic situations. Using rear-facing digital cameras installed in the door mirrors, it monitors the traffic on either side of the car. As a vehicle enters your blind spot, the system alerts you with a light built in to the front door post—on the relevant side of the car. Together with the door mirrors, this enables you to quickly assess the feasibility of a lane change. The system is activated once the car exceeds 6 mph and reacts to almost any type of motor vehicle. It works equally well, day or night.

**Volvo Navigation System (VNS)\* (optional)**

Voice guidance and graphic navigation all the way to your chosen destination. Fast acting and precise, this new generation VNS features a hard disc drive covering maps for most of the continental United States. The system is integrated in the dashboard and is easily controlled from the steering wheel. You can choose between two operating modes—Easy and Advanced. And when VNS is not needed, the screen retracts into the dash.

Also available as an Accessory.

\*Maps do not cover all areas or all routes within an area. Also constant expansion and rebuilding of the road network mean that the digital map database is not always the latest road information. Always follow relevant regulations and road information.







#### **Air control**

The Electronic Climate Control (ECC) keeps the temperature constant, and separate settings can be made for each side of the cabin to help keep the driver alert and the passengers relaxed. The Interior Air Quality System (IAQS) ensures that the air you breathe is as clean as possible. It continuously monitors incoming air for certain unhealthy gases. If necessary, IAQS will close the external air vents. It also features an active charcoal filter that removes various unpleasant odors and fumes from incoming air. And for passengers in the third row, a separate air conditioning unit can be fitted.

## The perfect place is more than a state of mind.

Entering the comfort zone of the Volvo XC90, you'll be surrounded by fine craftsmanship and intuitive consideration. Each seat is an independent sphere of superior comfort and safety. Everybody can enjoy an airy feel and elevated views, courtesy of a spacious interior and cinema-style seating. The optional Premium Soft Leather interior is supremely supple to the touch. For your ears, music comes alive with 12 Dynaudio loudspeakers and Dolby surround sound. To add some more magic for those in the back, there's an optional integrated Rear Seat Entertainment system. What's more, these exclusive surroundings comfortably accommodate up to seven travellers. After all, the perfect place should always have lots of room for friends and family.



Wherever you're seated in the Volvo XC90, careful attention has been given to your wellbeing. Some of the details are immediately obvious, while you'll appreciate others several hours later when you reach your destination, fresh and relaxed. Because in a Volvo, design is not merely a matter of superficial styling—for us, beauty is also a matter of being functional and easy to use. No unnecessary complications, just clean and uncluttered Scandinavian design.

#### **Rear Seat Entertainment (RSE) dual screen**

With Volvo RSE dual screen, the rear seat passengers can watch a DVD film or play a game—together or separately. Two 7-inch wide-screen displays are integrated in the front seat head restraints and provide excellent image quality. Wireless headphones keep things calm in the cabin and you can listen to the music or program of your choice. The RSE system is an integrated part of the car and matches the interior perfectly. It's even crash-tested in Volvo Car Safety Center so we know it meets our demands. RSE dual screen is not available with Marstrand upholstery.



#### **Comfortable kids**

The integrated booster cushion in the rear middle seat helps position a child between 33-80 lbs at the correct position for the seat belt. It also offers a high level of comfort and visibility. In the seven-seat version, the middle seat slides forward to bring a child closer to adults in the front. And for more legroom, simply lift out the rear section of the center console.





#### **Front seat convenience**

The center armrest conceals a host of conveniences. Fold back the upper section to reveal a handy storage space for CDs, sunglasses and other small items, while providing rear seat passengers with a convenient table. Double cup holders in the front of the armrest ensure that refreshments are always easy to reach. These cup holders can be concealed when not in use. For small items, there are also handy pockets in the front edge of both front seats.

#### **Second row amenities**

Pampered by thoughtful details, rear-seat passengers will be almost as happy as the driver—even on long trips. Retractable cup holders are easily accessed, and bottles can be conveniently stored in the doors panels. To provide maximum comfort in the seven-seat version, each seat adjusts individually forward and rearward—4 in. at the outboard positions, and 12 in. in the middle.



#### **Third row comfort**

Two passengers (up to approximately 63 in. tall) ride in comfort in the rear-most seats of the seven-seat version. Cup holders and smart storage solutions make longer trips more enjoyable. To further enhance comfort, air conditioning with adjustable ventilation and heating vents can be installed in the rear.



8112

MADISON





## Some flexibility can make the day.

No matter what you transport in your Volvo XC90. Its nearly unlimited flexibility will accommodate just about anything you care bring onboard. Up to seven people travel comfortably—with space left over for gear. And to further adapt the interior to your lifestyle, there are up to 64 different ways to configure the seating to suit your needs. Each passenger seat can be easily folded flush with the floor. For even greater versatility in the seven-seat version, the second row of seats slides forward individually. And loading is easy—just open the liftgate section of the split tailgate for loading light objects, or let both sections open wide for heavy-duty hauling.





Every trip deserves its own soundtrack.  
Every passenger deserves to hear it completely.

**Subwoofer\***

If you like to feel the bass tones pulsing through your body, the 8-inch sub-woofer with a built-in 140 W amplifier provides superb reproduction of the deep register at all volumes. It's placed behind the load compartment's left cover panel, and cannot be combined with third row AC.

\*Optional

**Rear headphone connectors**

Allow four rear-seat passengers to listen to the radio or their favourite CD, at the same time, without disturbing other occupants. With separate controls for headphone volume and audio source. Also with controls for changing tracks or switching radio stations.

**Integrated 6-CD changer with MP3 compatibility**

In place of the standard CD player, this CD-changer is integrated in the center console. It's conveniently controlled via the radio panel or the steering wheel keypad, and you can easily select one of up to six CDs while driving. You can also play CDs with MP3 and WMA music files.

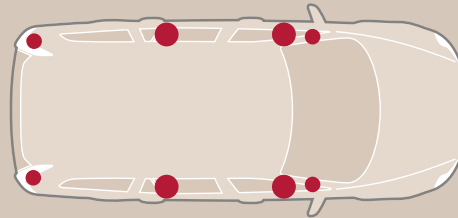
**MP3 compatibility**

There are a number of ways to enjoy MP3 music files in your Volvo XC90. If you'd like to connect your personal MP3 player to the audio system, there's a standard auxiliary audio input between the front seats. Volume is conveniently controlled from the steering wheel, center console and rear headphone connectors. And the CD player is playback compatible with both MP3 and WMA music files.



Symbolic of our approach to music, the new Premium Sound system sets a benchmark in car audio with new generation surround sound. Together, acoustic engineers at Volvo and Dolby have developed Dolby® Pro Logic® II to make the listening experience just as life-like no matter where you're seated in this spacious SUV. To power the system, a new digital class D amplifier delivers a pure and plentiful sound that's directed via the speakers. Which brings us to Dynaudio, our Danish colleagues who designed and built the system's 12 speakers. Known mostly by professionals, Dynaudio makes monitors for top recording studios around the globe. The end result? The Volvo XC90 sounds monumental. But then again, we have been developing car audio for decades.

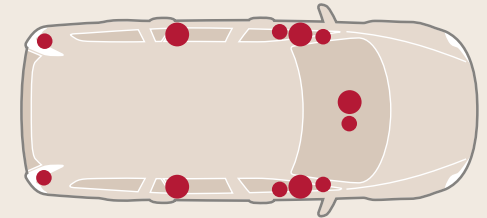
**DYNAUDIO**  
A WORLD OF SOUND



#### High Performance

A powerfully versatile system. Each loudspeaker is fitted with a more powerful magnet and a larger coil. Coupled to the High Performance amplifier, this system provides superb transient reproduction, high power durability and low distortion for a superb listening experience. High Performance includes:

- RDS radio
- MP3 and WMA compatible CD player
- 4x40 W High Performance amplifier
- 8 High Performance speakers
- AUX input



#### Dynaudio Sound System

The Dynaudio Sound System is in a class of its own. The digital class D amplifier generates 5x130 watts of music. Dolby® Pro Logic® II surround sound recreates a sound that's equally authentic at each seating position. There are 12 high-end loudspeakers specially developed by the Danish specialist, Dynaudio—for the Volvo XC90 and a true concert hall experience. The Dynaudio Sound System includes:

- RDS radio
- MP3 and WMA compatible CD player
- 5x130 W digital class D amplifier
- 12 Premium Sound speakers by Dynaudio
- Dolby® Pro Logic® II surround sound with center speaker and digital sound processor
- AUX input

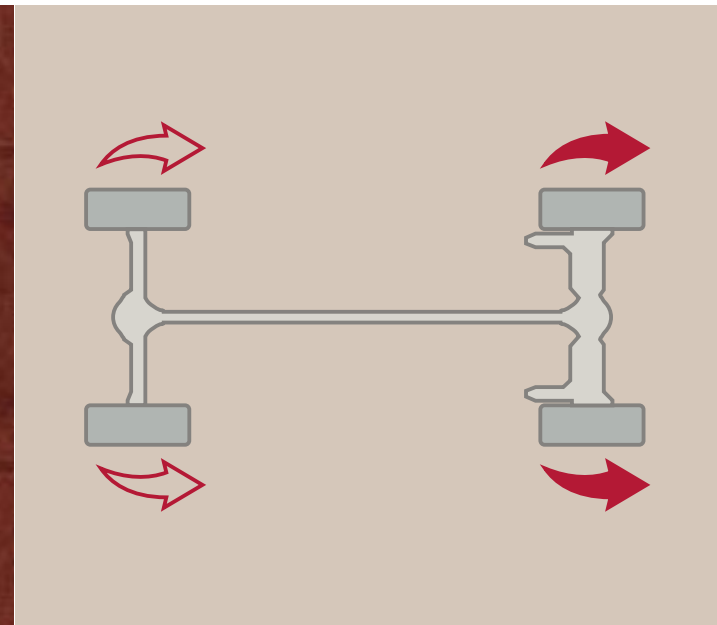
Dolby, Pro Logic, and the double-D symbol are registered trademarks of Dolby Laboratories.

Unexpected turns  
require good instincts.





The Volvo XC90's sense of composure is part of its breeding. It's based on a solid chassis and a body built to handle the forces exerted by an active drive. A low center of gravity, even weight distribution, multi-link rear axle, wide wheelbase, and high ground clearance add to its sure-footed road holding. And finally, a precise, smooth-shifting transmission and features like All-Wheel Drive with Instant Traction™ result in consummate handling, stability, and unsurpassed riding comfort.



#### Transmission

The six-speed Geartronic transmission deftly combines the convenience of an automatic with the sportiness of a manual. Leave it in automatic mode for carefree driving, or simply move the lever to manual mode to handle gear shifting yourself. The sixth gear is an overdrive, providing relaxing and fuel-efficient highway driving. Additionally, the special winter setting makes it easier to take off and maintain grip on slippery surfaces.



#### ABS brakes with EBA

The anti-lock brakes are designed for optimal performance even during repetitive and intensive use. You can brake hard while steering clear of trouble. Emergency Brake Assistance (EBA) detects an attempted emergency braking and, when necessary, provides added assistance to bring the car to stop in the shortest possible distance.



#### Tire Pressure Monitoring System (TPMS)

Incorrectly inflated tires increase fuel consumption and can affect handling. The tire pressure monitoring system uses sensors mounted in the tires to help you keep tabs on inflation pressure. When the vehicle is moving at a speed of 20 mph or faster, you will be alerted if the pressure on one or more of the tires is too low.

#### Speed dependant steering

The optional speed-dependant power steering makes steering at low speeds effortless. Parking in tight spaces is a case in point. And at higher speeds, power assistance reduces accordingly to help provide a suitable level of road-feel and steering sensitivity.



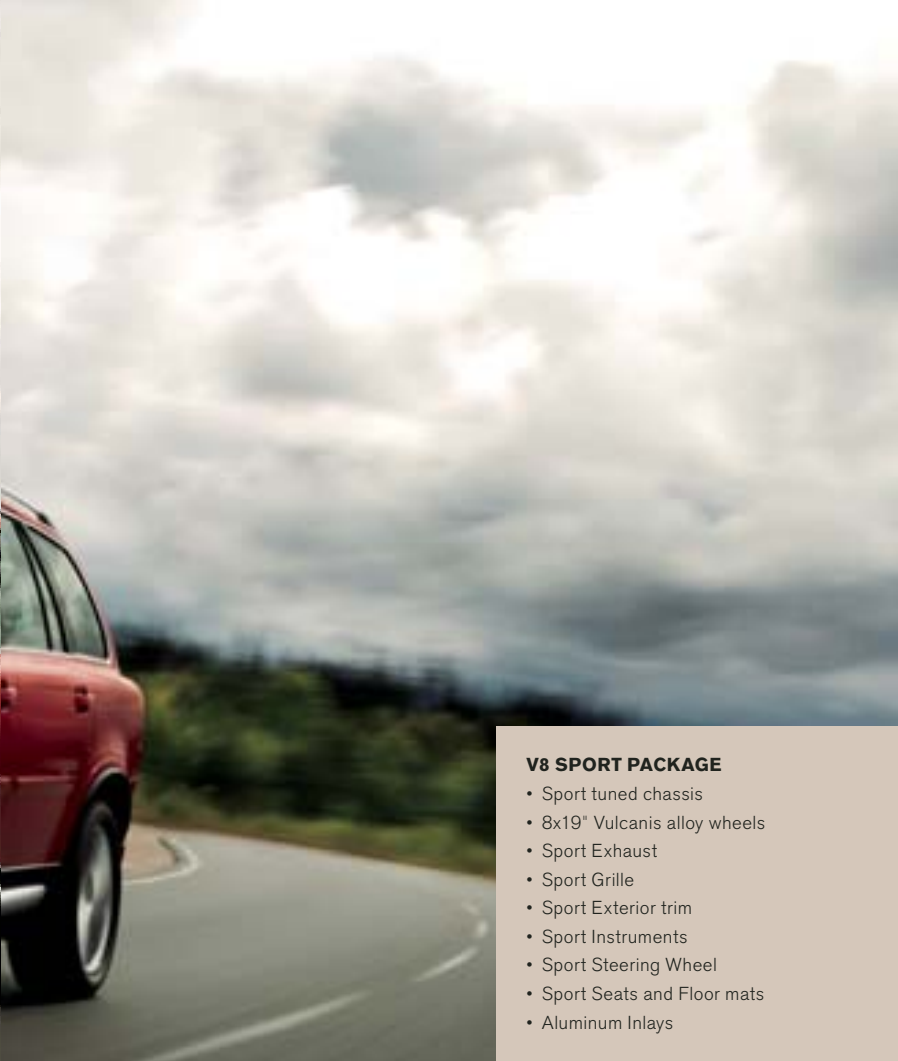
#### AWD with Instant Traction™ STD V8 opt 3.2

Volvo's pre-charged, electronically controlled all-wheel drive system—AWD with Instant Traction™—means greater agility. The difference is noticeable from the second you take off—constant hydraulic pressure ensures that power is promptly distributed to the wheels with the best traction. Wheel spin is minimized to provide immediate acceleration and reassuring stability in slippery conditions. When cruising on straight and dry roads, the front wheels receive up to 95% of the power for optimum stability and fuel economy. But, during quick acceleration or in a sharp bend, up to 50% of the power instantly goes to the rear wheels—depending on what's needed to achieve maximum stability and grip. The immediate response of the AWD system allows under-steering and over-steering tendencies to be compensated with exceptional precision—for a feeling of total control and driving pleasure.

The Volvo XC90 V8  
SPORT. Swift. Powerful.  
Plays well with others.

The sport variant of the multi-award-winning Volvo XC90 has it all: Compelling performance. Distinctive styling. And, of course, legendary Volvo safety. With its sports-tuned chassis, the Volvo XC90 V8 SPORT is not shy. Especially not around corners. Inside, you'll notice special sport-upholstered leather seats with extra side support among other assertive styling touches inside and out. Obviously, this is the family car for a very fun family.





- V8 SPORT PACKAGE**
- Sport tuned chassis
  - 8x19" Vulcanis alloy wheels
  - Sport Exhaust
  - Sport Grille
  - Sport Exterior trim
  - Sport Instruments
  - Sport Steering Wheel
  - Sport Seats and Floor mats
  - Aluminum Inlays



**Standard Sport Accents, Exterior**

Unique chrome-finish tailpipes, Vulcanis 19" aluminum wheels with a silver-bright or diamond-cut finish, Color-coordinated fender extensions, Satin-finish trim on front grille and side windows, Front bumper bar with silver matte finish, and distinctive side scuff plates of brushed stainless steel.

**Sport Colors, Exterior**

The colors available for the Volvo XC90 V8 SPORT include Passion red, Willow green, Black sapphire, Titanium grey, Magic blue and Electric silver.

**Standard Sport Accents, Interior**

Sport rubber and aluminum centre console inlay, Special watch-dial gages, Special sport-upholstered leather seats with color inlay, Sport floor mats with accent piping, Sport steering wheel with perforated leather grip and aluminum inlay, Sport leather gearshift knob with aluminum inlay.

**Sport-tuned chassis and steering**

Stiffer anti-roll bars help keep the Volvo XC90 Sport flat through hard turns. Firmer shocks improve body control and amplify road feedback. The Servotronic steering has been Sport-calibrated for a more direct, meaty feel—significantly in 30-40 mph range. Overall, this vehicle feels quicker and more responsive, yet remarkably composed and purposeful.



# ⊕ This is where life starts.



“Safety is our promise. People trust us, and that’s a big responsibility. This is what we think about daily when we make our safety decisions. We have to maintain this trust—not only with words, but with actions. That’s also why the safety in a Volvo always begins and ends in a real life situation.”

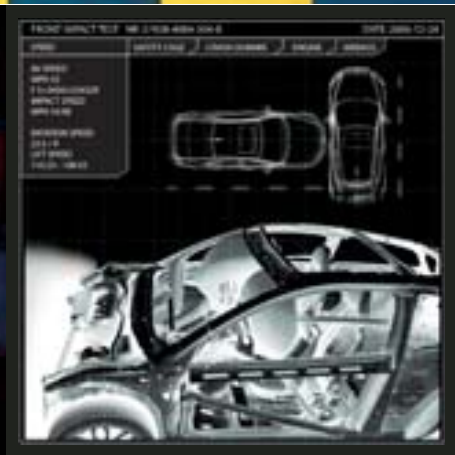
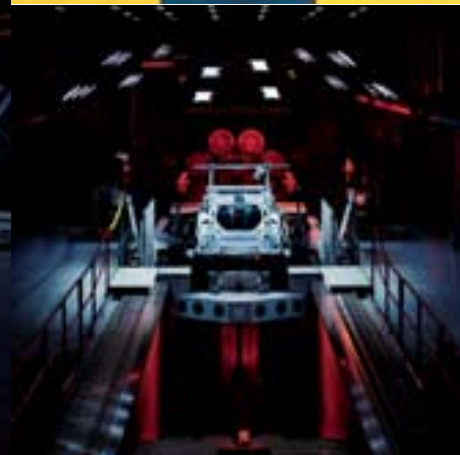
Ingrid Skogsmo, Director Volvo Car Safety Center

Inaugurated in 2000, the Volvo Car Safety Center in Göteborg is the world’s most advanced crash laboratory. All with the purpose to imitate traffic situations and crashes as they happen in real life. Here we recreate crashes with all kinds of vehicles and road obstacles at any angle from 0 to 90 degrees and speeds up to 75 mph. We perform realistic roll-over tests and test cars in terrain as well as against genuine Swedish granite rock-face—we can even simulate impacts with wild

animals such as a 1100 lbs Swedish moose. Of course, these crash tests also incorporate advanced crash test dummies representing a wide range of sizes and ages—from infants to full-grown adults.

Every crash is thoroughly documented using high-speed cameras and analyzed into fragments of thousands of seconds. We even store crashed cars for a period for future reference. Beyond countless computer simulations, we conduct over 400





full-scale crash tests each year. These tests are based on what our Accident Research Team discovers on the road. Since 1970, our researchers have investigated over 36,000 real-life accidents. This gives us unique opportunities to learn what works in real life and what doesn't—knowledge that actually helps save lives.

#### **Life-saving knowledge**

Many of the safety features found in a Volvo are based on the findings from the Volvo Accident Research Team. A few recent examples are the collapsible steering column, the energy-absorbing frontal structure, Volvo's child safety equipment, the Side-Impact Protection System (SIPS) and the Whiplash Protection System (WHIPS).

#### **Recreating reality into its smallest details**

Advanced crash simulations are an important means of conducting realistic crash tests of separate components and interior safety systems. Our crash sleigh can recreate the exact movement the car makes the moment of collision, which is unique in the car world. This tipping affects the way occupants are restrained and is normally only possible to analyze through expensive full-scale crash tests.

#### **Virtual crash tests**

Super-computers make it possible for us to recreate and analyze different crash situations six times a day without crashing real cars. We have the technology to test new cars virtually even before they exist as prototypes, and we can incorporate extremely detailed virtual crash test dummies—we've even developed the world's first pregnant crash test dummy. This makes the full-scale testing very effective, and enables us to focus our resources where they are most useful.

# ⊕ This is living it.



Sweden. Other car manufacturers come here for final car testing under harsh and capricious conditions. For us it's home. This is where we live and drive, 365 days a year. So no wonder Volvos are in a category of their own when it comes to active safety. Take, for example, our own proving ground Hällered with its 34 miles of test tracks—including different road types from all over the world. This is the top secret facility

where we scrutinize our cars' ability to support their driver in all imaginable (and unimaginable) situations. On tracks aimed to reveal any weak spots, we expose all new Volvo models to extreme forces and conditions during hundred thousands of miles. Not to mention the distances driven on ordinary Swedish roads. Here's where innovation confronts reality. Here's also where we evaluate the interaction between the car

and the driver. Because the most important safety feature in a Volvo is the driver. And the more efficiently the car's onboard systems support you as driver, the safer things are for you and your passengers..



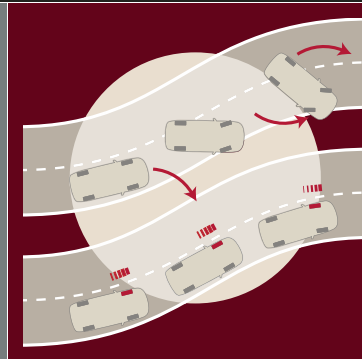
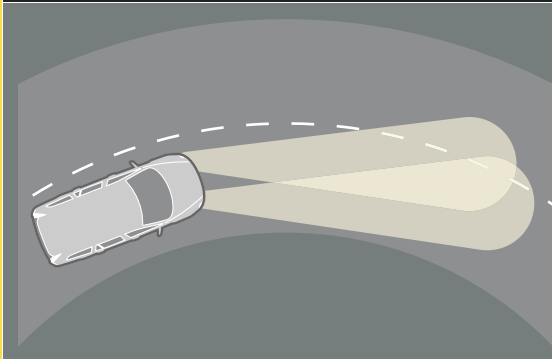
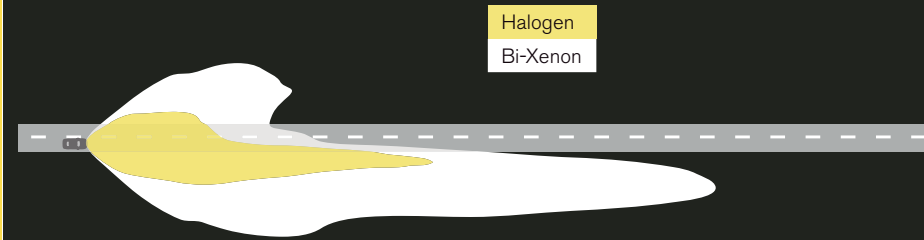
#### **VOLVO'S ROLL STABILITY CONTROL.**

#### **A HIGH POSITION ON SAFETY TO HELP KEEP YOU ON TRACK.**

When designing the first Volvo SUV, innovative thinking made it one of the safest on the road. Unlike many other SUVs, the Volvo XC90 is built on the chassis of an agile passenger car. This together with a comparatively low center of gravity and all-wheel drive traction, helps make the Volvo XC90 a supremely stable and entertaining drive.

Adding to safety and driving pleasure, the Dynamic Stability and Traction Control (DSTC) interacts with the vehicle's other systems such as steering, brakes and engine management to help you maintain control in challenging situations. And in the event of an emergency maneuver, Volvo's Roll Stability Control (RSC) can step in to help prevent the vehicle from rolling over. A gyroscopic sensor registers the vehicle's lean angle and rollover risk. If needed, the RSC system will cut engine power or brake one or more of the wheels just enough to reduce the centrifugal force and help regain balance.

But please observe, not even advanced technology can overcome the laws of physics. It is still possible to lose control of this vehicle by driving inappropriately for the conditions. So please drive with caution.



#### **Double your illumination—twice**

Designed in a country characterized by cold and darkness for several months a year, the headlights in a Volvo XC90 combine separate reflectors to provide even and effective illumination in all conditions. And for even better night vision, there's the option of Bi-Xenon gas discharge lights. Compared to conventional halogen headlights, Bi-Xenon headlights expand your vision range by about 230%. Driving at 60 mph, you'll be able to see 150 ft farther. Independent of the load, these headlights self-adjust to maintain the correct angle to the road—even during hard acceleration or braking.

#### **Active Bi-Xenon Lights (ABL)\***

Helping you to see around bends at night, this microprocessor controlled lighting system uses data such as steering wheel angle and car speed. The motorized lights turn up to 15° in either direction when driving—reliably lighting up your chosen path. You can enjoy highly effective low beam illumination on narrow, winding roads and extremely powerful high beams on the highway. A daylight sensor disengages the system during the daytime to extend its lifespan, and a high-pressure washer cleans the lenses—one at a time for uninterrupted illumination. At the touch of a button, you can either turn off the system.

\*Optional

#### **Dynamic Stability and Traction Control (DSTC)**

By helping to prevent fishtails and spinouts, stability control technology like DSTC may be second only to seat belts in help protecting drivers and passengers. DSTC enhances driving stability in slippery situations by comparing the rotation of the drive wheels and—if needed—varying the power supply. The system will also help to counteract a skid by reducing the engine's power output, or braking one or more wheels. It can be set to allow a certain degree of wheel spin to provide better traction in snowy conditions.

# ⊕ Designed for life.



**IN A FRONTAL COLLISION** the generous deformation zones will yield in a controlled way to help absorb crash energy before it reaches the cabin. The transversely mounted and very compact engine enables optimal use of the deformation zones to help protect occupants. The occupants have a high seating position and are surrounded by an extremely sturdy safety cage, helping to maintain passenger compartment integrity. Longitudinal steel struts help disperse crash energy away from the front to the rear of the vehicle, further helping to reduce the strain on the occupants.

Inside the vehicle, occupant protection is increased by optimising the functions of all safety restraint systems. The safety belts with pre-tensioners on all seats and force limiters on the front seats interact with other safety features—such as the deformable steering column and dual-stage adaptive airbags—to help keep the occupants out of harm's way.

The interior is designed to help absorb as much crash energy as possible.



"To me, safety is beautiful. Every detail in a Volvo—from the interior ergonomics and the fantastic seats, to the body's powerful shoulders and softly rounded front—are there for safety reasons. This is functionality that goes hand in hand with distinctive design, and it sure looks good."

Steve Mattin, Design Director, Volvo Car Corporation

It is the interaction between the different safety systems that determines how safe a car is. Not the number of safety features itself. First, the driver must have the right conditions for well being behind the wheel. Seats, instruments, controls, visibility, lighting—all contributes to safety when they interact to support the driver. Then there's how the car behaves on the road. The way the chassis interacts with brakes, steering and different

stability enhancing systems not only determines how fun the car is to drive—this is also crucial to help the driver maintain control in challenging situations. Finally, if an accident can't be avoided, you and your passengers are surrounded by a wealth of interacting protective systems. Hopefully you'll never have to experience them in action. But it can be reassuring to know they're there to help protect you.



**IN A ROLL-OVER** the Roll-Over Protection System (ROPS) is activated by a gyroscopic sensor. The safety belt pretensioners are activated at all seats to help keep occupants more securely restrained. At the same time, the Inflatable Curtain (IC) deploys to help protect the heads of the occupants. IC remains inflated for several seconds to help provide extended protection in all rows of seats and help keep the occupants inside the cabin, regardless of whether the windows are up or down. And to help keep the passenger compartment intact despite severe external forces, door pillars and strategic parts of the roof structure is reinforced in ultra high-strength steel. The energy-absorbing interior help provide additional protection.



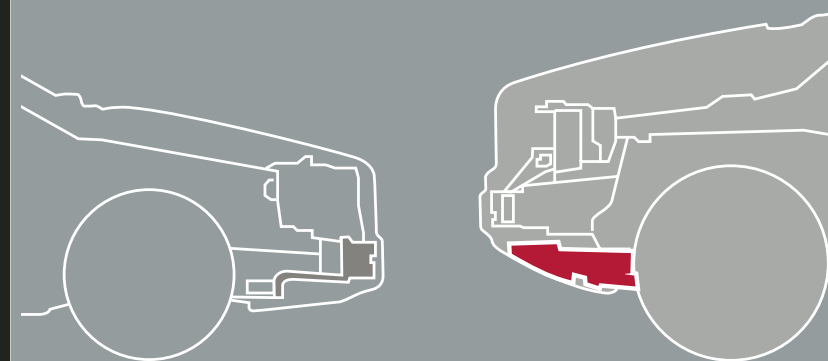
**IN A REAR IMPACT** the rear deformation zones will help absorb as much as possible of the crash energy before it reaches the cabin. Even behind passengers in the third row there's a good deal of space to help provide effective protection. The fuel tank is designed to remain well protected in front of the rear axle. Also the exhaust system and spare wheel are designed to not affect the energy absorption.

Inside the cabin, the head restraints not only help protect the neck and spine, but also help protect the head from glass shatters. Integrated in the front seats, Volvo's unique Whiplash Protection System (WHIPS) cradles the spine and neck in a controlled manner. The system is activated by a collision of sufficient force from behind. Independent research has shown that WHIPS is one of the most effective in the world. Since its introduction in 1998, it has helped reduce long-term consequences by more than 50%.

#### **Protection systems for other road-users**

Safety in the Volvo XC90 also encompasses other road-users. An additional lower cross-member at the front is positioned to help activate the other car's own safety systems. The front structure and hood are designed to help reduce the risk of injury to unprotected road-users—the bonnet is designed to help reduce the effect of an impact, thereby helping to reduce the risk of serious injuries.

**IN A SIDE IMPACT** the high seating position can help contribute to occupant protection. To help protect all occupants in a side impact, the door and side structure in the Volvo XC90 is composed of a complex framework of high-strength and ultra high-strength steel struts. And in the front seats, you'll find strong, rigid side-impact tubes. These transfer the loads from the side of the vehicle into the center, where a steel box is deformed. The side airbags in the front seats help protect the occupants chest and hip, irrespective of seating position. The Inflatable Curtain (IC) adds protection for the heads of the occupants, including the ones in the third row. IC also helps keep the occupants inside the vehicle, both in the front and the rear.



🌿 Environmental care—part of the Volvo commitment to safety and your well being.



To choose a Volvo model on the basis of its overall environmental performance, see our Environmental Product Information (EPI) guide at [www.volvocars.com/EPI](http://www.volvocars.com/EPI)

At Volvo, the well being of people is at the core of every decision we make. And just like safety, we believe that environmental care requires a holistic approach from the very start. This is why volvos are built in some of the cleanest automotive plants in the world.



#### **Air quality control**

A cabin filter prevents dust and pollen from entering the car through its ventilation system. For even cleaner air, there's the option of the Interior Air Quality System (IAQS). This continuously monitors incoming air for certain unhealthy gases such as carbon monoxide, ground-level ozone and nitrogen dioxide. If necessary, IAQS will temporarily close the external air vents. It also features an active carbon filter that removes various unpleasant odors and fumes from incoming air.

#### **Testing of materials for harmful substances**

To make life more comfortable for people with allergies or asthma, upholsteries and interior textiles comply with the Oeko-Tex Standard 100. This is an international benchmark ensuring that textiles and leathers are tested for certain allergy inducing or harmful substances. Several interior metal details are tested with regard to contact allergies, and comply with the same standards for nickel leakage as high quality jewelry.

#### **Fuel efficiency**

To increase fuel efficiency and reduce carbon dioxide emissions, all Volvo engines have advanced electronic management systems and low internal friction. Other contributors to fuel economy include efficient transmission systems, aerodynamic body design, the use of various grades of steel to reduce body weight, and a trip computer displaying current and average fuel consumption.

#### **Emission control**

Volvo engines meet stringent international emission requirements. The V8, for instance, is the first of its kind to comply with California's ULEV II. Advanced emission control technology eliminates between 95 and 99% of the carbon monoxide, hydrocarbons and nitrogen oxides in exhaust fumes. The emission control system is designed to provide full effect as rapidly as possible after cold starts—when emissions are at their highest. Right down to the fuel filler door, the fuel system is designed to reduce emissions through evaporation, whether the car is being driven or is parked.



## Factory-installed options.

The sense of quality and care—and knowing that you get the Volvo that suits your lifestyle. Customize your vehicle with the options that best meet your demands and desires, and you'll soon be behind the wheel of your individually tailored Volvo XC90.



1

### **Dynaudio Sound System**

For a consummate listening experience, this sound system combines Dolby® Pro Logic® II surround sound with the clarity of Dynaudio speakers for a full range of authentic music reproduction for everyone in the car. Included in the V8 SPORT Technology Package.

2

### **Volvo Navigation System (VNS)\***

The Volvo Navigation System can guide you anywhere with precise audio and visual directions. A liquid crystal 6.5-inch display shows your location on a map and plots the best route. Controls are conveniently located on the steering wheel. All map-based information is stored on the system's hard disk.

Also available as an Accessory.

\*Maps do not cover all areas or all routes within an area. Also constant expansion and rebuilding of the road network mean that the digital map database is not always the latest road information. Always follow relevant regulations and road information.

3

### **Park assist camera**

Increase your field of vision behind the car when parking. A camera mounted in the tailgate allows you to see what's behind the car through the navigation system's screen. It is activated automatically when reverse gear is selected. The park assist camera is only available in combination with Volvo Navigation System.

4

### **Rear Seat Entertainment (RSE) dual screen**

With Volvo RSE dual screen, the rear-seat passengers can watch a DVD film or play a game—together or separately. 7-inch displays in the front seat head restraints provide excellent image quality. Wireless headphones enable you to listen to the music or program of your choice. Sound is also provided through the vehicle's rear speakers. The DVD player and the AUX socket in the front center armrest are easy to reach.



# Accessories.

Volvo's accessories help you make your Volvo XC90 even more suited to your personal needs. They are the only ones that have been tested to meet Volvo's exacting safety, quality and environmental requirements. You can also rest assured they're a perfect match to the technology and design of your Volvo.



## FOR DRIVING FREEDOM

- Integrated Navigation system
- Moon roof wind deflector
- Park assist, front and rear
- Parking assistance camera
- Volvo Hands free with Bluetooth

## FOR YOUR ENTERTAINMENT

- Rear Seat Entertainment system with Dual DVD players
- Satellite Radio
- Volvo iPod Aux Adapter
- Volvo USB and iPod music player

## FOR PRECIOUS CARGO

- Booster cushion and backrest
- Child Activity Bag
- Child Mirror
- First aid kit
- Padded neck cushion
- Padded Upholstery and headrest
- Sun screens

## FOR UNEXPECTED SITUATIONS

- Car cover
- Electric engine heater
- Engin Protection Plate
- Jumper cables
- Leather care kit
- Mud Flaps, front and rear
- Snow chains
- Warning triangle

## FOR YOUR LEISURE

- Bike carrier, roof mounted
- Business Bag Organizer
- Canoe/Kayak carrier, roof mounted
- Cargo box, roof mounted
- Cargo Compartment Cover
- Dirt Cover
- Floor mats, rubber
- Load basket, roof mounted
- Load securing net trunk floor
- Luggage compartment mats
- Net Pocket Side Panel
- Net Pocket, glove compartment
- Picnic Table and Seat Cushions
- Portable Electric cooler/hotbox
- Pull out Storage Bin
- Rear Bumper Cover
- Roof Mounted "Load Bar" carrying system

- Ski Carriers, roof mounted
- Snowboard carrier, roof mounted
- Steel Cargo Organizer
- Sun Glasses holder
- Surfboard carrier, roof mounted
- Trailer hitch mounted bike carrier
- Trailer hitch mounted load basket
- Trailer hitch mounted ski carrier
- Trailer hitch step
- Trailer Hitch, 2" Square profile
- Trailer mirrors
- Tunnel Mat

## FOR YOUR LOOKS

- Aluminum cross bars
- Aluminum Wheels, 18" & 17"
- Chrome Wheels, 18" & 17"
- Door Sill Moldings (Volvo logo)
- Exterior chrome kit
- Front bumper bar
- License plate frames
- Locking Lug nuts
- Running Boards
- Side scuff plates, aluminum
- Sport Steering Wheel
- Valve stem caps
- Wood Trim Kit

See the 2008 Volvo Accessories brochure for a complete list of Genuine Volvo Accessories.

# Interior selection.



Sandstone Beige interior with Leather Sandstone Beige upholstery (C910), Dark wood inlays, leather-clad steering wheel and gear knob (3.2, V8).

## **INTERIOR DESIGN. SANDSTONE BEIGE**

Start creating your Sandstone Beige interior here. The top of the dashboard is always in dark Espresso, while other interior sections are in Sandstone Beige. Select the seat upholstery of your choice, available in different materials and matching color combinations. The front center armrest and interior door panels are color-coordinated with the seats and upholstered in matching material.

## **INTERIOR DESIGN. OFFBLACK**

The beauty of Offblack is that almost all interior sections share the same black nuance, further accentuating the aluminium interior details. Door pillars and roof lining are in contrasting Quartz. Add to this seat upholstery in your favourite material and color—elegantly contrasting with Chestnut, or just confident Offblack. The front center armrest and interior door panels are color-coordinated with the seats and upholstered in matching material.



Sandstone Beige interior, Marstrand Sandstone Beige (C010) (3.2)



Sandstone Beige interior, Premium Soft Leather Softbeige (C710) (Executive Package)



Offblack interior, Marstrand Offblack (C000) (3.2)

The Volvo XC90 offers exclusive interior options to go with your personality. All our leather and fabric upholsteries are approved by Oeko-Tex. This means they're tested for certain allergy-inducing and harmful substances. Make your choices to compose your own interior styling.



Sport leather Calcite (CBQX) (V8 Sport)



Sport leather Offblack (CBSB) (V8 Sport)



Offblack interior,  
Premium Soft Leather Offblack (C700) (Executive Package)



Offblack interior,  
Leather Offblack (C900) (3.2, V8)



Offblack interior,  
Premium Soft Leather Chestnut (C70R) (Executive Package)

# Exterior design.

It's muscular without being aggressive. Purposeful lines hint of a truly versatile character, while its refined dynamic looks reveal a more sophisticated side. Rounded shapes interact with distinctively sculpted sections, creating a confident Scandinavian style. Add to this a stance that leaves no doubt as to the intentions of this Volvo SUV. And to further emphasise the adventurous spirit of the Volvo XC90, there are a number of specially designed styling options available as retailer installed accessories.

## **Aluminum running boards and foot steps**

Provide a more striking impression while matching the front and rear skid-plates. What's more, they protect the door sills on uneven surfaces and make it easier to get in and out—and they're useful when loading the roof. Dimensioned for a load of 660 lbs. For extra convenience, foot steps can be added to the running board.

## **Side décor**

Running along the bottom of the doors and wheel arches, the side décor gives the Volvo XC90 an even more exclusive appearance. It's painted in the same color as the vehicle, and features an integrated metallic lower moulding.

## **Front bumper bar**

Integrated in the front bumper to give the vehicle an even more powerful stance. Painted in Silverstone to match other exterior styling details. Alternatively, it can be painted in the same color as the vehicle.

## **Silver crossbars**

An aerodynamic design element that complements the aluminium roof rails and the Volvo XC90 design. These aluminium crossbars also allow you to exploit the roof's load-carrying capacity to the full.

## **Roof protector ribs**

These both protect the roof and give the car a more assertive appearance. What's more, you can carry up to 77 lbs directly on the ribs by distributing the weight evenly.







Galatea 8x19"  
Silver Bright  
255/50/19 tires  
(Optional)



Vulcanis 8x19"  
Silver Bright  
255/50/19 tires  
(Standard V8 Sport)



Atlantis 7x18" alloy wheels  
Chromed  
235/60/18 tires  
(Optional)



Camulus 7x18" alloy wheels  
Silver Bright  
235/60/18 tires  
(Standard V8)



Antaeus 7x17" alloy wheels  
Silver Bright  
235/65/17 tires  
(Standard 3.2)



# Standard features.

SAFETY	XC90 3.2	XC90 V8 AWD V8 SPORT
Boron steel reinforced passenger compartment	●	●
Collapsible steering column	●	●
Daytime running lights	●	●
Driver and front passenger supplemental restraint system—dual-threshold air bags	●	●
Dynamic Stability and Traction Control (DSTC)	●	●
Front cross-member for SUV-to-car impact compatibility	●	●
Inflatable Side Curtain (IC) (coverage for third-row occupants when ordered with seven seats)	●	●
ISOFIX baby/child seat attachment (second row)	●	●
Pedestrian protection	●	●
Rear-door child safety locks	●	●
Roll-Over Protection System (ROPS)	●	●
Roll Stability Control (RSC)	●	●
Safe approach and home safe lighting	●	●
Seat belts: 3-point inertia-reel with automatic pretensioners for all seating positions; front belts include force limiters	●	●
Side impact air bags for driver and front passenger (SIPS bags II™)	●	●
Side Impact Protection System (SIPS)	●	●
Tire pressure monitoring system (TPMS)	●	●
Two-step remote entry, central power door locks	●	●
Whiplash Protection Seating system (WHIPS)	●	●
Volvo guard alarm with siren, battery back-up and immobilizer	●	●
<b>INTERIOR</b>		
AM/FM with single in-dash CD, 160W, 8 speakers	●	N/A
AM/FM with in-dash 6-CD changer, 160W, 8 speakers (included in Premium Package)	P	●
Audio and cruise controls in steering wheel	●	●
Auto-dim rearview mirror (included in Convenience Package)	P	P
B-pillar ventilation for second-row passengers	●	●
Cabin pollen filter	●	●
Cruise control	●	●
Dark wood inlays	●	N/A
Dual-zone electronic climate control (ECC)	●	●
Flat-folding 40/20/40 split second-row seat	●	●
Grocery bag holder in cargo area	●	N/A
Illuminated vanity mirror in driver and front passenger sun visors	●	●
Leather-clad gearshift knob	●	●
Leather-clad steering wheel	●	●
Outside temperature gauge	●	●
Power adjustable driver seat, 8-way with 3-position memory and lumbar support	●	●
Power adjustable passenger seat, 8-way with lumbar support (included in Premium Package)	P	●
V8 Sport Aluminum Inlays	N/A	P
Wood inlays	●	●
Power windows with driver and front passenger auto up/down with anti-trap feature	●	●

	XC90 3.2	XC90 V8 AWD V8 SPORT
Reading lights (front, rear and third row if applicable)	●	●
Sapeli wood inlays including steering wheel	N/A	●
Textile floor mats	●	●
Tinted rear windows	●	●
Trip computer	●	●
12 beverage holders	●	●
12 V power outlet	●	●
<b>EXTERIOR</b>		
7x18" Alloy Wheel	○	●
7x19" V8 Sport Alloy	N/A	P
7x17" alloy wheels	●	N/A
Aluminum roof rails	N/A	●
Black Roof Rails	●	N/A
Front fog lights	●	●
Front stainless steel skid plate	●	●
Power glass moonroof with slide/tilt positions, sliding sunshade and auto-open (included in Premium Package)	P	●
Power adjustable heated exterior rearview mirrors	●	●
Rear wiper/washer	●	●

● = Standard ○ = Option P = Package N/A = Not available

# Packages.



## **CLIMATE PACKAGE**

In a Volvo you're always prepared to deal with the ever-changing forces of nature. And to increase comfort when driving in cold, rain or snow—simply add the Climate Package.

- Heated front seats
- Headlight washers
- Rain sensor

## **VERSATILITY PACKAGE\***

A Volvo is always fit to face the challenges of real life. To make your vehicle even more flexible and comfortable for the whole family, you can complete the experience with the Versatility Package including third row convenience.

- Air conditioner for 3rd row with separate control
- Integrated center booster cushion, 2nd row
- Self-leveling rear suspension
- Third row seats with leather seating surfaces

\*Requires Premium Package—3.2.

## **PREMIUM PACKAGE (3.2)**

A Volvo offers you long, relaxed drives and more spirit in your daily life. The Premium Package will provide you with some necessities for that extra ambience and convenience.

- Leather seating surfaces
- Power glass moonroof
- Power passenger's seat
- 6 CD changer, in-dash

## **CONVENIENCE PACKAGE (3.2, V8)**

The wide range of considerate and practical features makes life with your Volvo truly enjoyable. And by adding the Convenience Package, you expand your freedom even more.

- Compass in rear-view mirror
- Interior Air Quality System (IAQS)
- Park assist, rear
- Power child locks
- Power retractable rear-view mirrors

## **EXECUTIVE PACKAGE (V8)**

- 8x19" Galateia alloy wheels
- Premium Soft Leather
- Premium Plush Floor Mats

## **TECHNOLOGY PACKAGE (V8 SPORT)**

- Active Bi-Xenon Headlights
- Sirius™ Satellite Radio
- Dynaudio Sound System

# Volvo XC90 specifications.

## ENGINES

### Eight-cylinder engine

Eight-cylinder 4.4-liter all-aluminum engine. 60-degree V-configuration. Double overhead camshafts, 32 valves. Variable Valve Timing (VCT) and Variable Intake System (VIS). Electronic engine management system. Three-way catalytic converter with heated oxygen sensor.

### Volvo XC90 V8 AWD (311 hp)

Engine type: 4.4-liter V8 engine  
 Max power output: 311 hp at 5850 rpm  
 Max torque: 325 ft./lbs. at 3900 rpm  
 Top speed: 118 mph  
 Fuel consumption, mpg, highway/city, auto: 21/15  
 Environmental classification: ULEV II  
 Transmission: Six-speed Geartronic automatic

### Six-cylinder engine

Six-cylinder in-line 3.2-liter all-aluminum engine. Double overhead camshafts, 24 valves. Variable Cam Timing (VCT), Variable Intake System (VIS) and Cam Profile Shifting (CPS) on the intake camshaft. Electronic engine management system. Three-way catalytic converter with heated oxygen sensor.

### Volvo XC90 3.2 FWD/AWD (235 hp)

Engine type: 3.2-liter in-line six-cylinder engine  
 Max power output: 235 hp at 6200 rpm  
 Max torque: 236 ft./lbs. at 1500-4500 rpm  
 Top speed: 118 mph  
 Fuel consumption, mpg, highway/city, auto: 22/17 (FWD 23/18)  
 Environmental classification: ULEV II  
 Transmission: Six-speed Geartronic automatic

## DRIVELINE AWD

Electronically controlled all-wheel drive (AWD) with Instant Traction™. V8 and 3.2: six-speed Geartronic automatic.

Power is continuously distributed to all four wheels by Volvo's pre-charged electronically controlled AWD with Instant Traction™. This minimizes wheel spin for immediate acceleration and reassuring stability in all conditions. The six-speed Geartronic—a responsive automatic that's ideal for relaxed driving, tough conditions or towing. This also allows manual gear shifting so you can maintain a lower gear to rev the engine, or for the added assistance of engine braking. A special winter setting makes it easier to move off and maintain grip on slippery surfaces.

## CHASSIS

Front suspension with spring struts (McPherson), anti-dive and anti-lift function. Multi-link independent rear suspension attached to a steel sub-frame. Stabilizer bars front and rear. DSTC (Dynamic Stability and Traction Control) and RSC (Roll Stability Control).

The Volvo XC90's all-road capability is based on generous ground clearance (8.6 in), a comparatively low center of gravity and an advanced chassis. The rigid body enables optimal suspension performance, balanced handling and a high level of comfort. The front and rear suspensions interact to provide stable braking and smooth steering. In a curve, the rear wheels have a slight steering facility for added stability and steering response. The DSTC system cuts in if either of the drive wheels begins to lose traction or if a skid is imminent. RSC (Roll Stability Control) can step in to help prevent the vehicle from tipping over in an emergency situation.

## STEERING

Power-assisted rack and pinion steering. Tilt and telescopic steering wheel column. 2.8 turns lock to lock. Turning circle 40 ft.

Behind the wheel, you can enjoy steering that's both responsive and reassuring at all speeds. The optional speed dependent power steering provides progressively less power assistance the faster you drive. Higher steering precision and enhanced road feedback are easily enjoyed benefits. At lower speeds, added power assistance makes the car even easier to maneuver, for instance when parking.

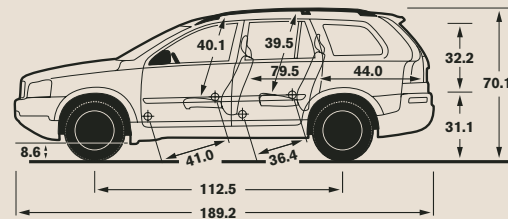
## BRAKES

Power-assisted anti-locking ventilated disc brakes (ABS). EBA (Emergency Brake Assistance). EBD (Electronic Brake Distribution) between the front and rear brakes. Diagonally split braking system.

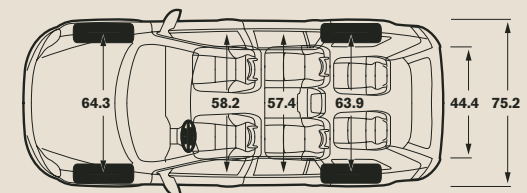
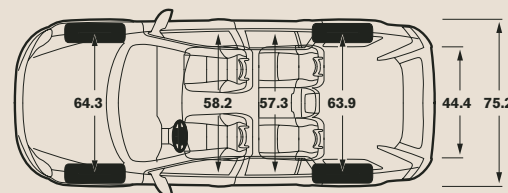
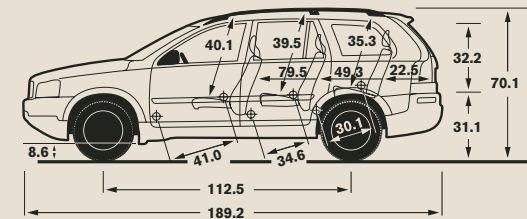
## FUEL TANK

21 U.S. Gallons

5-seater



7-seater





Meet the family.

To live life is to care about it.

S



**The new Volvo S40** The compact and energetic sedan.



**Volvo S60** The sports sedan worth getting passionate about.



**Volvo S80** The premier sedan, meticulously engineered for superior driving comfort.

V



**The new Volvo V50** The Sportswagon—flexible, compact and full of zest.



**The all-new Volvo V70** The genuine family wagon—highly competitive yet comfortably versatile.

XC



**The all-new Volvo XC70** The rugged yet stylish all-roader.



**Volvo XC90** The versatile SUV that takes you anywhere with grace.

C



**The new Volvo C30** The compact and charismatic SportsCoupe.



**Volvo C70** A convertible when you want it.



**Volvo C70** A coupe when you need it to be.

Every moment in a Volvo is a moment designed to celebrate life. A life full of twists and turns, ups and downs; the little things as well as the big ones. Of course, to live life to its fullest isn't just about you caring for others is important as well.

For almost eighty years we have helped save lives on roads around the world. Nevertheless, when it comes to improving automotive safety, we will never be satisfied. And while we're seeking new solutions, our existing safety systems are preventing many accidents from happening and providing some real protection when they do.

Our passion for life means looking after our children's children, too. Which is why we try to balance the needs of our company with those of society. With this bigger picture in mind, we develop engines and technology that have less impact on mother earth. This approach also explains why we pay so much attention to your immediate environment—in the car. Simply put, we care about you—and the whole circle of life.

# Taking care of your ownership needs.

It's a simple idea; one point of contact for all your car ownership needs, whether it's finding the right financing or who to contact in an emergency.

Get the most out of owning your Volvo.

## **Volvo Car Finance North America**

If you purchase or lease your Volvo through Volvo Car Finance North America, you can take advantage of services designed to make financing simple and convenient. Quick Debit, for instance, enables you to have your monthly payment automatically debited from a designated bank account. For more information, call 1-800-770-8234 or visit [www.volvofinance.com](http://www.volvofinance.com)

## **On Call roadside assistance**

Whenever you need us, we're just a phone call away. Our nationwide network of retailers and authorized service providers are ready to assist. Whether you require roadside assistance or maps and routing information for your next trip, refer to your On Call Card and dial 1-800-63-VOLVO—anytime, day or night. Your complimentary four-year membership activates the moment you become a Volvo owner.

## **Volvo new car warranty**

Your new car warranty provides comprehensive coverage for four years or 50,000 miles, whichever occurs first. Additional warranties cover corrosion, seat belts, the supplemental restraint system, emission systems, genuine Volvo replacement parts and genuine Volvo accessories. Should you encounter any problem with your Volvo, simply contact the nearest retailer for assistance. Where your warranty ends, Volvo Increased Protection (VIP) plans begin. To purchase the additional protection of a VIP plan, contact your local retailer.

## **Volvo genuine service**

The best way to ensure superior performance year after year is to bring your Volvo to your authorized retailer for regular maintenance. Our service advisors and factory-trained technicians are uniquely qualified to maintain your automobile. With the aid of advanced Volvo diagnostics, they follow all prescribed factory maintenance outlined in your service interval manual. Genuine Volvo Service is our ongoing commitment to you: to keep your Volvo performing smoothly long after other cars have given up.

## **Volvo mobility program**

The goal of the Volvo Mobility Program is to assist persons with physical disabilities or hearing impairment achieve independence. For those with exceptional transportation needs, freedom can be facilitated within the extraordinary comfort and safety of a specially adapted Volvo. For additional information on this program, please contact the Volvo Mobility Program Headquarters at (800) 803-5222 or visit [www.volvocars.us/mobility](http://www.volvocars.us/mobility). TTY users are invited to call 1-800-833-0312.

## **Personal shopper**

The Volvo Personal Shopper is dedicated to providing you with a whole new level of shopping convenience. Whether you'd like help identifying the Volvo model that best fits your lifestyle, detailed information on any Volvo model, or a comparison against the competition, Volvo is there to help. We can arrange a Guest Drive for you at your nearest Volvo Retailer. So make the most of your shopping time and call the Volvo Personal Shopper at 1-800-550-5658. (U.S. only)

# Volvo Overseas Delivery.

Volvo Overseas Delivery offers a unique way to buy your new custom-built car as well as a unique way to see more of Europe. And when you're done traveling, bring the pleasure of driving a Volvo back home. Purchase any new Volvo as part of the Volvo Overseas Delivery Program and enjoy all this—and more:

- Attractive pricing on US models.
- Two complimentary round-trip tickets with Scandinavian Airlines.
- One free hotel night in Gothenburg, Sweden, the home of Volvo.
- An exciting Volvo Factory Tour or a visit to the new Volvo Brand Experience Center.
- An exclusive VIP delivery experience at the Volvo Factory Delivery Center.
- The opportunity to explore Europe in the comfort and safety of your own Volvo, either with one of our spectacular tours or on your own.
- Extensive complimentary home shipment services. Just leave your car with us. We'll ship it to you the convenient way while you relax and enjoy your complimentary flight back home.

Can you think of a better way of traveling overseas and making your souvenir part of an unforgettable experience?

If you would like to know more, contact your local Volvo retailer, our Customer Care Center (800) 631-1667, or visit [www.volvocars.us/mybagsarepacked](http://www.volvocars.us/mybagsarepacked)

# A world of colors.



480 Shadow Blue metallic\*  
(3.2)



614 Ice White  
(3.2 and V8)



471 Willow Green metallic\*  
(3.2 and V8)



455 Titanium Grey metallic\*  
(3.2, V8 and V8 Sport)



426 Silver metallic\*  
(3.2)



612 Passion Red  
(V8 Sport)



487 Ember Black metallic\*  
(V8)



477 Electric Silver metallic\*  
(V8 and V8 Sport)



454 Ruby Red metallic\*  
(3.2)



019 Black Stone  
(3.2)



453 Pearl White  
(V8)



467 Magic Blue metallic\*  
(3.2)



452 Black Sapphire metallic\*  
(V8 Sport)

\* Metallic paint is an option.



Volvo. for life

**VOLVO**  
Volvo Car Corporation

**WWW.VOLVOCARS.US**

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