

V8

VOLVO
XC90 V8

VOLVO
for life

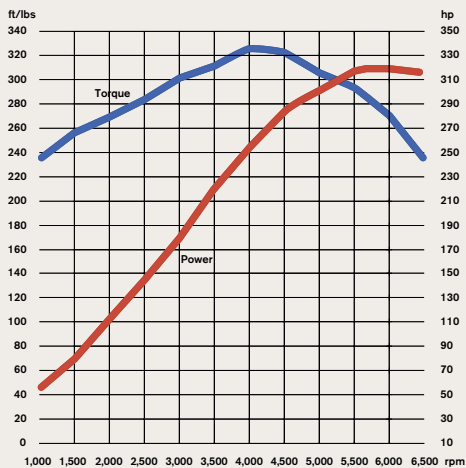




WE PROUDLY PRESENT THE WORLD'S FIRST V8 VOLVO.

THE VOLVO XC90 V8 IS THE MIGHTIEST VEHICLE WE EVER MADE. ITS FERVENT 4.4 LITRE, EIGHT-CYLINDER ENGINE GENERATES 311 HP – WITHOUT DISREGARD FOR THE WORLD AROUND IT. BECAUSE WE BELIEVE THAT GREAT STRENGTH IS BEST MANAGED WITH GREAT HUMILITY.





HIGH ON POWER.

ITS 311 HORSEPOWER ARE CAPABLE OF TAKING YOU FROM 0-60 MPH IN 6.9 SECONDS. BUT THAT'S ONLY A FRACTION OF THE PLEASURE.

The compact 60-degree V8 delivers 325 ft/lbs torque @ 3900 rpm. Because the engine is so responsive at low revs, the ride is as lively or as smooth as the driver. Thirty-two valves, with continuously variable inlet and exhaust timing constitute, the orchestra of this formidable, all-aluminium engine. From the barely audible purr of idling, the Volvo XC90 V8 lurches into action with a hushed growl, a sensual sound that subdues when cruising.

Access to the full torque range is readily provided by a newly developed, 6-speed Geartronic transmission. This intuitive gearbox encourages you to enjoy your favorite style of driving with minimal effort – or, pace the drive yourself with the flip of the gear lever.



Perhaps the Volvo XC90 V8's most startling characteristic is the animal-like agility with which it distributes its power. The pre-charged AWD with Instant Traction™ channels torque back and forth; acceleration and grip are immediate. A slight press on the accelerator is enough to infuse the vibrant chassis with life. With its buoyant but stately all-road handling, the Volvo XC90 V8 is a high-spirited affair.

HIGH ON LOOKS.

IN KEEPING WITH ITS SCANDINAVIAN ORIGINS, THIS VOLVO RADIATES A RUGGED YET GRACEFUL CHARISMA. ONCE YOU BECOME BETTER ACQUAINTED, YOU'LL DISCOVER ITS AESTHETICS ARE AS PRAGMATIC AS THEY ARE PLEASING TO THE EYE. TAKE UP TO SIX OF YOUR FRIENDS FOR A DRIVE THROUGH TOWN OR COUNTRY. BEHOLD THE VIEW FROM THE CINEMA-STYLE SEATING ARRANGEMENT – A VOLVO XC90 V8 PROVIDES POWERFUL IMAGERY IN ANY LANDSCAPE.







HIGH ON CARE.

NOT ONLY DOES IT PAMPER THOSE WHO RIDE INSIDE IT, THE VOLVO XC90 V8 IS PRETTY CONSIDERATE TO MANY OTHER TRAVELLERS OF THE WORLD.



By applying new ideas in exhaust control, we've managed to reduce harmful emissions beyond the standards required by current legislation – such as California's ULEV II. Within 20 seconds of ignition, four catalytic converters are effectively purifying exhaust fumes. And thanks to energy efficient engineering and its aluminium drivetrain, the Volvo XC90 V8 is light on fuel.

Volvo Intelligent Vehicle Architecture – comprising the transversely mounted and compact V8 – affords energy-absorbing zones for tried and tested collision performance. Of course, Roll Stability Control (RSC) and our other innovative safety systems interact to keep you out of trouble in the first place. But in the event of an accident, not only is the Volvo XC90 V8 built with your safety in mind, it's also designed to cause less harm to those outside it.

HIGH ON EXPLORING? VISIT WWW.VOLVOCARS.US





TECHNOLOGY



VOLVO V8

The highly compact 4.4-liter, 311 hp, eight-cylinder engine is designed for the Volvo XC90 using the very latest technology. Electronic engine management, 32 valves and continuously variable inlet and exhaust valve timing (Dual CVVT) promote high performance, smooth running, and superior effect from low revs. The full torque potential of 325 ft/lbs is delivered at 3,900 rpm. Its character is inspiring and relaxed, yet always responsive. It enables the vehicle to accelerate from 0–60 mph in 6.9 seconds – ample power for overtaking quickly and safely, for challenging driving situations or for long and comfortable journeys. Advanced technology facilitates an efficient use of fuel and, within 20 seconds of ignition, the effective management of emission by four catalytic converters. As a result, the Volvo XC90 V8 is the first in its class to meet the strict demands of California's ULEV II. The engine is cast in aluminium for minimum weight and optimum balance. Transversely mounted, with its 60-degree upright architecture, it requires little space. Beyond providing the vehicle with a generous interior, this space aids the performance of the frontal deformation zones in the event of an accident.



GEARTRONIC

The newly developed six-speed Geartronic automatic is perfectly matched to the formidable V8 engine. Driving in automatic mode, this intuitive and smooth transmission system allows you to explore the motor's full torque range. The Geartronic is ideal when driving conditions are tough, or when you use the SUV for towing. Drive in manual mode, and you'll be tempted to test the competitive spirit of the engine. Additionally, manual mode allows you to maintain a lower gear – to provide the added assistance of engine braking when approaching a sharp bend, for example.



AWD WITH INSTANT TRACTION™

Volvo XC90 V8 is the first Volvo with a pre-charged, electronically controlled all-wheel drive system – AWD with Instant Traction™. Together with generous ground clearance (8.9 inches), a low center of gravity for this type of vehicle and an advanced chassis design, the AWD enables superior all-road capability. During normal driving the front wheels receive 95% of the power. As the situation dictates, up to 50% of the power is distributed to the rear wheels. The AWD system responds immediately, so that under-steering and over-steering tendencies can be compensated with exceptional precision. For example, during sudden acceleration or forced cornering, power is instantly diverted between the front and rear wheels – for optimum grip and stability. And, the AWD system employs constant hydraulic pressure to minimize wheel spin when starting off or suddenly accelerating – further enhancing traction and agility. Unnoticeably engaging when needed, the AWD system allows you a feeling of total control.



DSTC AND RSC

DSTC (Dynamic Stability and Traction Control) improves ride stability on twisting roads and slippery conditions. If one of the drive wheels begins to lose contact, power is immediately reduced so it can quickly regain grip. The system constantly compares the car's direction and steering wheel movement. By braking on one or more wheels and reducing the engine's power output, DSTC can help counteract a potential skid. In the event of a sudden swerve or an emergency manoeuvring, RSC (Roll Stability Control) steps in to help prevent the vehicle from tipping over. An electronic sensor registers the vehicle's lean angle and rollover risk. If needed, the RSC system will cut engine power or brake on the relevant wheels, just enough, to help regain balance.

SPECIFICATIONS

ENGINE

4.4-litre compact all-aluminium, 60-degree V8. Double overhead camshafts, 32 valves. Continuously variable valve timing on both exhaust and inlet sides (Dual CVVT). Electronic engine management. Three-way catalytic converters with Lambda sensors.

Max power output: 311 hp @ 5,850 rpm

Max torque: 325 ft/lbs @ 3,900

Acceleration 0–60 mph in 6.9 seconds

Top speed: 130 mph (electronically governed)

Environmental classification: ULEV II

DRIVETRAIN

Transverse engine. Electronically controlled AWD (all wheel drive) with Instant Traction™. Six-speed Geartronic automatic transmission allowing manual gear shifting.

CHASSIS

Front suspension with spring struts. Multi-link independent rear suspension with steel sub-frame. DSTC (Dynamic Stability and Traction Control) active stability system with RSC (Roll Stability Control).

BRAKES

Power-assisted ABS brakes, ventilated discs front and rear. Featuring EBA (Emergency Brake Assistance) and EBD (Electronic Brake Distribution) between front and rear brakes.

STEERING

ZF Servotronic speed-dependent, power assisted rack and pinion steering. Tilt and telescopic steering column. 2.7 turns lock to lock. Turning circle 40 ft.

FUEL TANK

21.1 US Gallons

SAFETY

Three-point safety belts with pre-tensioners for all seats. Dual-stage adaptive front airbags (can be disengaged for the front passenger seat). SIPS (Side-Impact Protection System) with side-impact airbags and IC (Inflatable Curtain). WHIPS (Whiplash Injury Protection System). ROPS (Roll-Over Protection System). Factory-prepared for the ISOFIX system for child safety seats.

SECURITY

Electronic immobiliser. Remote controlled central locking. Approach and Home Safe lighting. A remote controlled alarm is available as an option.



7x18" ATLANTIS alloy wheels
235/60/18 tires
(Option)



7x17" ANTAEUS alloy wheels
235/65/17 tires
(Standard)

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