

Volvo XC90

U.S. Market

ENGINES

Engine Type
Construction
Horsepower
Torque
Displacement
Valvetrain
Compression
Emission
Recommended fuel
Ignition Sequence
Engine management system
Engine Idle Speed

TRANSMISSIONS

5-speed/4-speed adaptive automatic transmissions with Geartronic, electronically controlled, with lock-up and winter mode selection.

Ratio	AW55-51	GM4T65
First	4.66	3.28
Second	3.03	1.76
Third	1.98	1.12
Fourth	1.14	0.79
Fifth	1.02	-
Reverse	5.11	2.67

Automatic gearbox/final drive

PERFORMANCE

Gearbox
Acceleration, 0-60 mph (sec)
Top speed, mph
Fuel Economy (US EPA)
CO ₂ lb/mile

* Preliminary figures

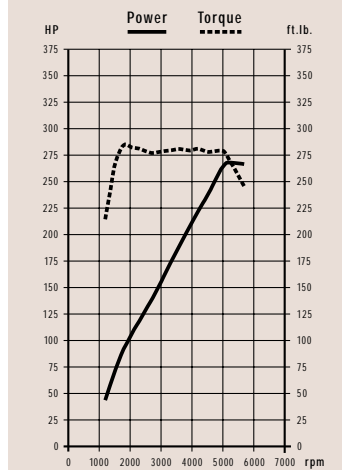
B5254T2
Inline 5-cylinder with Light-pressure turbocharger and intercooler
Aluminum block and cylinder head
208@5000 rpm
236@1500-4500 rpm
2.5 Liter
DOHC, 4 valves/cylinder
Continuously Variable Valve Timing (CVVT) on inlet & exhaust
9.0:1
Certified ULEV II (Ultra-Low-Emission Vehicle II)
Premium
1-2-4-5-3
Microprocessor controlled fuel and ignition system with self diagnostics
670 rpm



AW55-51/2.86

Automatic
9.3*
128
n.a.
n.a.

B6294T
Inline 6-cylinder with Twin turbocharger and intercooler
Aluminum block and cylinder head
268@5100 rpm
280@1800-5000 rpm
2.9 Liter
DOHC, 4 valves/cylinder
Continuously Variable Valve Timing (CVVT) on inlet & exhaust
8.5:1
Certified ULEV II (Ultra-Low-Emission Vehicle II)
Premium
1-5-3-6-2-4
Microprocessor controlled fuel and ignition system with self diagnostics
650 rpm



GM4T65/3.69

Automatic
8.7*
128
n.a.
n.a.

CHASSIS

Suspension	Front:	Independent MacPherson strut with coil springs, hydraulic shock absorbers and stabilizer bar.
	Rear:	Multi-link Independent with coil springs, hydraulic shock absorbers and stabilizer bar.
Steering System	2.5T:	Power assisted rack and pinion, 2.8 turns lock to lock*
	T6:	Rack and pinion with Speed-sensitive variable power assistance, 2.7 turns lock to lock
Turning circle		39.0 ft
Braking System		Four-wheel Ventilated Discs with Four-channel Anti-Lock Braking System (ABS) Electronic Braking Distribution (EBD) Electronic Brake Assistance (EBA)
Brake disc diameter		Front 12.0 in / Rear 12.1 in

*2.7 with 17–18" wheels.

**40.0 ft with 17–18" wheels.

MEASUREMENTS AND VOLUMES

Exterior measurements (in)	
Length	188.9
Width	74.7
Height w/Rails	70.2
Wheelbase	112.6
Track, front	64.3
Track, rear	63.9
Ground clearance, Curb (2.5T)	8.6
Ground clearance, Curb (T6)	9.2

Interior measurements (in)		
Headroom (1st/2nd/3rd row)	5-seat:	40.1 / 39.5 in 39.7 / 38.5 in (with available moonroof)
	7-seat:	40.1 / 39.5/35.5 in 39.7 / 38.4 / 35.5 in (with available moonroof)
Legroom (1st/2nd/3rd row)	5-seat:	41.0 / 36.4 in
	7-seat:	41.0 / 34.6/30.1 in
Hiproom (1st/2nd/3rd row)	5-seat:	55.4 / 53.6 in
	7-seat:	55.4 / 54.1 / NA
Shoulder Room (1st/2nd/3rd row)	5-seat:	58.3 / 57.8
	7-seat:	58.3 / 57.4 / NA
Cargo Capacity, SAE (Behind 1st/2nd/3rd row)	5-seat:	84.9 cu ft / 41.6 cu ft
	7-seat:	85.1 cu ft / 43.3 cu ft / 11.1 cu ft
Maximum Cargo Capacity	5-seat:	92.0 cu ft
	7-seat:	93.2 cu ft

Weights/Miscellaneous		
Curb Weight, lb	5-seat:	4450
	7-seat:	4610
Fuel tank, US gallon		19.0
Max Roof load, lb		220
Max. towing, lb		5000
Drag coefficient		0.36

These specifications are not intended to be complete and Volvo reserves the right to make changes without any notice.

Volvo XC90 STANDARD EQUIPMENT

	XC90	XC90 AWD T6
2.5L, 5 cylinder engine; light-pressure turbo with intercooler; 208 hp @ 5000 rpm; 236 ft-lbs torque @ 1500–4500 rpm	S	–
2.9L, 6 cylinder engine; twin-turbo with intercooler; 268 hp @ 5100 rpm, 280 ft-lbs torque @ 1800–5000 rpm	–	S
5 speed automatic with Geartronic	S	–
4-speed automatic with Geartronic	–	S
Dual zone, Electronic Climate Control, (ECC)	S	S
B-pillar ventilation	S	S
C-pillar ventilation (Standard with 7 seater)	S	S
Cabin filter	S	S
Tinted Windows	S	S
Whiplash Protection System (WHIPS)	S	S
Side Impact Protection System (SIPS)	S	S
Inflatable Side Curtain (IC) – coverage for 3rd row occupants when ordered with 7 seats	S	S
Driver and front Passenger Supplemental Restraint System – Dual Threshold	S	S
Side Impact Air Bag for Driver and Front Passenger	S	S
Seatbelt and key reminder	S	S
4-channel Anti-lock Brake System (ABS), Electronic Brake Distribution (EBD), Electronic Brake Assistance (EBA)	S	S
Front Crossmember for SUV-to-Car Impact Compatibility	S	S
Pedestrian Protection	S	S
ISO-FIX (LATCH) Attachment System – (2nd row outboard seats)	S	S
Roll Stability Control (RSC)	S	S
Dynamic Stability Traction Control (DSTC)	S	S
Grocery bag holder (5 seat version, NA on 7 seat version)	S	S
Seat belts: 3-point inertia reel with automatic pre-tensioners for all seating positions; front belts include force limiters	S	S
Volvo Guard Alarm	S	S
Safe Approach Lighting	S	S
Home Safe Lighting	S	S
Immobilizer, encrypted ignition key w/rolling code and autorelock	S	S
Security system with siren, battery back-up	S	S
Two step remote entry, central power door locks	S	S
Cargo Cover	S	S
HomeLink®	O	S
Daytime Running Lights (DRL)	S	S
Rear door child safety locks	S	S
Trip computer	S	S
Outside temperature gauge	S	S
8 way Power Driver and Passenger Seats	O	S
8 way Power Driver Seat with Manual Passenger Seat	S	–
Power seat memory, driver	S	S
Adjustable lumbar support	S	S
40/20/40 split rear seat that folds flat	S	S
Flat Folding Front Passenger Seat	S	S
Leather – Seating Surfaces	O	S
Siljan Textile/vinyl Upholstery – with inserts	S	–
Wood Inlays	S	S
Leather Steering wheel	S	S
Audio/Cruise controls in steering wheel	S	S
8 Cup holders (2, covered – front console; 2 adjustable, drawer-type – 2nd Row; 4 – behind 2nd Row/3rd Row)	S	S

	XC90	XC90 AWD T6
Auxillary Bottle/Can Holders in Door Panels	S	S
Textile floor mats (4pcs or 6pcs)	S	S
Power windows, front with Auto Up/Down	S	S
Power/Heated Exterior Rear view mirrors	S	S
Rear wiper/washer	S	S
Memory function for rear view mirrors	O	S
Cruise control	S	S
Speed-sensitive power steering	N/A	S
Reading lamps, front and rear (3rd row when ordered)	S	S
12 V power outlets (3)	S	S
Auto Dimming Mirror	O	S
2 illuminated vanity mirrors	S	S
Roofrails	S	S
Power Glass Moonroof	O	S
Front skid plate	S	S
Towbar preparation	S	S
Fog lights in front spoiler	S	S
Electronically Controlled All Wheel Drive	O	S
Automatic oil cooler	S	S
AM/FM with Single In-Dash CD, 160W, 8 speakers	S	-
AM/FM with In-Dash 6 – CD Changer, 160W, 8 speakers	-	S
17" alloy wheels, NEPTUNE (7x17x49) with 235/65 R17	O	S
16" alloy wheels, POSEIDON (7x16x49) with 225/70 R16	S	-
T155/85 R18 Tempa Spare Tire	S	S