

Volvo XC90 U.S. Market

ENGINES

Type	V8
Configuration	8-cylinder naturally aspirated
Displacement, cm ³	Transverse, all wheel drive
Bore/Stroke (mm)	4414
Engine cylinder block material	94/79.5
Cylinderhead material	Aluminium
Combustion chamber type	Aluminium
Compression ratio	Pent-roof
Valves, no/cylinder	10.4:1
Camshafts	4
Engine management system	4
	Microprocessor controlled fuel and ignition system with self diagnostics
Ignition sequence	1-8-4-3-6-5-7-2
Engine idling speed	1-8-4-3-6-5-7-2
Fuel, rec. octane	675
Max output, hp/rpm.	91-98 RON
Max torque, lb.-ft./rpm.	311/5850
	325/3900

POWER AND TORQUE →

TRANSMISSIONS

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

RATIO	AWTF-80SC
First	4.15
Second	2.37
Third	1.56
Fourth	1.16
Fifth	0.86
Sixth	0.69
Reverse	3.39

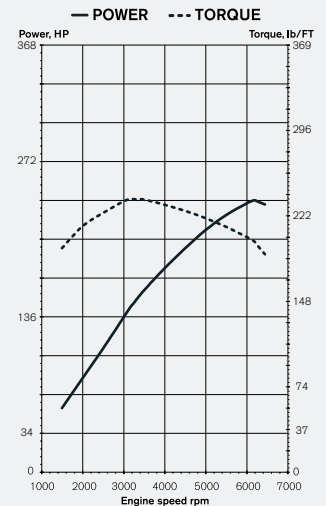
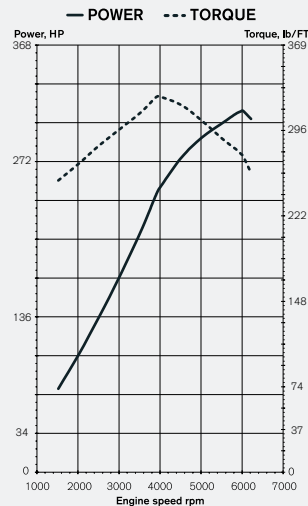
Manual gearbox/final drive	—
Automatic gearbox/final drive	AWTF-80SC/3.33

PERFORMANCE

Gearbox	Automatic
Acceleration, 0-62 mph (sec)	AWTF-80SC
Top speed, mph	7.3
Fuel consumption l/100 km	130
(EC 199/100, combined)	TBD

I6

Type	I6
Configuration	In-line, 6-cylinder naturally aspirated
Displacement, cm ³	Transverse, all wheel drive
Bore/Stroke (mm)	3192
Engine cylinder block material	84/96
Cylinderhead material	Aluminium
Combustion chamber type	Aluminium
Compression ratio	Pent-roof
Valves, no/cylinder	10.8:1
Camshafts	4
Engine management system	2
	Microprocessor controlled fuel and ignition system with self diagnostics
Ignition sequence	1-5-3-6-2-4
Engine idling speed	1-5-3-6-2-4
Fuel, rec. octane	650
Max output, hp/rpm.	91-98 RON
Max torque, lb.-ft./rpm.	235/6200
	236/3200



Manual gearbox/final drive	—
Automatic gearbox/final drive	AWTF-80SC/4.06

Gearbox	Automatic
Acceleration, 0-62 mph (sec)	AWTF-80SC
Top speed, mph	9.5
Fuel consumption l/100 km	130
(EC 199/100, combined)	TBD

MEASUREMENTS AND VOLUMES

EXTERIOR MEASUREMENTS (IN.)

Length	189.3
Width	74.7
Height	70.2
Wheelbase	112.6
Track, front	64.3
Track, rear	63.9
Ground clearance	8.9

WEIGHTS/MISCELLANEOUS

Curb Weight, lbs	4,669 ^A /4,826 ^B
Fuel tank capacity, U.S. gallons	21.1
Towing capacity, lbs	5,000
Drag coefficient	0.36

INTERIOR MEASUREMENTS (IN.)

Headroom with sunroof (front seat/second row)	39.7/38.9
Headroom without sunroof (front seat/second row)	40.1/39.5
Shoulder room (front seat/second row)	58.3/57.8
Luggage volume, cu ³	42 ^B
Load length	44 ^A /22.4 ^B
Load length with rear seat(s) folded down	74.4
Load length with rear seat(s) and front passenger seat folded down	114.5
Height of luggage compartment	34.2
Width of luggage compartment between wheel arches	44.4
Maximum cargo capacity, cu. Ft.	85.1

CHASSIS

Suspension	front	Spring-strut, lower link, anti-roll bar
	rear	Individual, multilink, coil springs, anti-roll bar
Steering	Rack and pinion, power assisted	
Turning circle	39 in. (16" wheel)	
	41 in. (17", 18" wheel)	
Turns of steering wheel end to end	2.8 (16") 2.7 (17", 18")	
Braking system	ABS system with EBD.	
	Ventilated discs front and rear.	
Brake disc diameter	16" Front/Rear	12/12.1 in.
	17", 18" Front/Rear	13.2/12.1 in.

^A5-seat ^B7-seat