# Volvo XC90

## ENGINES

lype	
Configuration	
Displacement, cm <sup>3</sup>	
Bore (mm)	
Stroke (mm)	

Engine cylinder block material Cylinderhead material

Compression ratio

Valves, no/cylinder

Camshafts

Engine management system

Ignition sequence

Engine idling speed, rpm Fuel, rec. octane

Max output, kW (hp)/rpm

Max torque, Nm/rpm

## POWER AND TORQUE →

Manual gearbox/final drive
Automatic gearbox/final drive
PERFORMANCE
Gearbox
Acceleration, 0-100 km/h (sec)
Top speed, km/h
-uel consumption I/100 km (Combined)
CO <sub>2</sub> g/km

#### T6 AWD (B4204T27)

In-line 4-cyl. supercharged and turbocharged

Transverse, all wheel drive

1969

82.0

93.2

Aluminium Aluminium

10.8:1

4

2

Integrated fuel (SFI)/ignition control systems

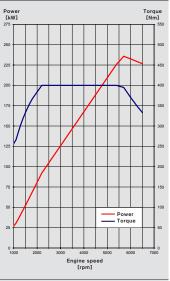
1 - 3 - 4 - 2

825

91-98 RON

236 (320)/5700

400/2200-4500



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AW TG-81SC	3.329
	Automatic
	6.9
	230
	7.7
	170

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D5	$\Delta N/D$	(D4204T11)

In-line 4-cyl. turbo diesel

Transverse, all wheel drive

1969

82.0 93.2

Aluminium

Aluminium

15.8:1

4

2

Electronically controlled common rail direct injection

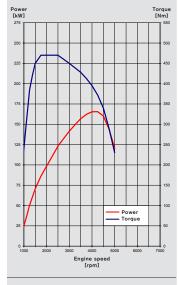
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825

Diesel fuel according to EN590\*

165 (225)/4250

470/1750-2500



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AW TG-81SC	3.075
	Automatic
	7.8
	220
	5.8
	152

<sup>\*</sup> Maximum biodiesel (RME) content 7%

# TRANSMISSIONS

8-speed automatic gearbox.

RATIO	AW TG-81SC	
First	5.250	
Second	3.029	
Third	1.950	
Fourth	1.457	
Fifth	1.221	
Sixth	1.000	
Seventh	0.809	
Eighth	0.673	
Reverse	4.015	

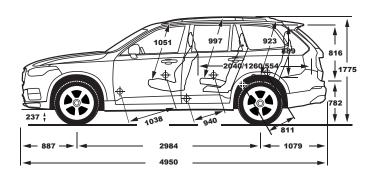
# MEASUREMENTS AND VOLUMES

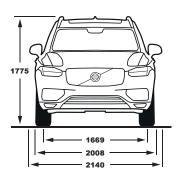
EXTERIOR MEASUREMENTS (CM)	
Length	495.0
Width (incl mirrors outer edge)	214.0
Height	177.5
Wheelbase	298.4
Overhang (front/rear)	88.7/107.9
Track, front, (Offset 38,5/42,5)	166.9/167.7
Track, rear, (Offset 38,5/42,5)	167.1/167.9
Ground clearance (Standard chassie/Offroad mode)	23.7/26.7
WEIGHTS/MISCELLANEOUS	
Weight, kg (Running order, min-max, depending on setup)	1940-2030
Fuel tank, I	71
Max. trailer weight, kg	2700**
Max roof load, kg	100
Drag coefficient, Cd	0.30
** "Towing kit"	

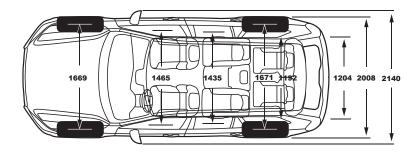
NTERIO	R MEA	SURE	MENTS	(CM)
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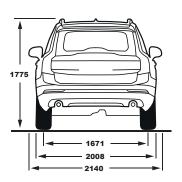
Headroom without panorama roof (front/rear/third row)	99.8/99.7/92.3
Headroom with panorama roof (front/rear/third row)	98.7/97.9/92.3
Headroom maximum, without panorama roof (front)	105.1
Headroom maximum, with panorama roof (front)	103.3
Passenger comp width at shoulder height (front/rear/third row)	146.5/143.5/119.2
Leg room (front/rear/third row)	103.8/94.0/81.1
Cargo volume, including under floor storage (ISO V214-1)(litre	es) 1899
Cargo length from the first seatback to the tailgate measure	red at:
- the height of the floor covering	204.0
Cargo length from the second seatback to the tailgate mea	asured at:
- the height of the floor covering	126.0
Cargo height (rear wheel center and car center line)	88.9
Rear opening height (car center line)	81.6
Width of luggage compartment between wheelhouses	113.0











Suspension	front	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar. Optional Air Suspension
	rear	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar. Optional Air Suspension
Steering		Power Assisted Rack and Pinion Steering
Turning circle, (curb to curb)		11.9 m/12.1 m (Tire 235 / 275)
Braking system		Antilock Braking System (ABS) with Electronic Brake Distribution (EBD)
		and Electronic Brake Assistance (EBA)
Braking distance, 100-0 km/h		36 m
Brake disc diameter	front	345 mm
	rear	320 mm