Volvo XC70

Type
Configuration

Displacement, cm³ Bore (mm) Stroke (mm)

Engine cylinder block material Cylinderhead material Compression ratio

POWER AND TORQUE →

CONT'D VOLVO XC70 → → CONT'D VOLVO XC70 CONT'D VOLVO XC70 → → CONT'D VOLVO XC70

ENGINES	D4 (D5204T3)	D4 (D5244T17)
Туре	In-line 5-cyl. turbo diesel	In-line 5-cyl. turbo diesel
Configuration	Transverse, front wheel drive	Transverse, all wheel driv
Displacement, cm ³	1984	2400
Roro (mm)	81.0	81.0

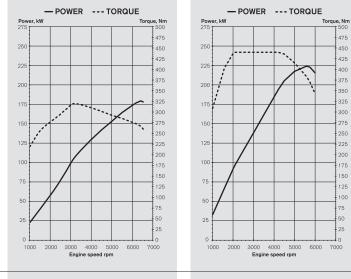
3 1	, ,
Transverse, front and all wheel drive	Transverse, all wheel drive
3192	2953
84.0	82.0
96.0	93.2
Aluminium	Aluminium
Aluminium	Aluminium
10.8:1	9.3:1
4	4
2	2
Integrated fuel (SFI) / ignition	Integrated fuel (SFI) / ignition
control systems	control systems
1 - 5 - 3 - 6 - 2 - 4	1 - 5 - 3 - 6 - 2 - 4

In-line 6-cyl. turbo petrol

Valves, no/cylinder	4	4
Camshafts	2	2
Engine management system	Integrated fuel (SFI) / ignition	Integrated fuel (SFI) / ignitio
	control systems	control systems
Ignition sequence	1 - 5 - 3 - 6 - 2 - 4	1 - 5 - 3 - 6 - 2 - 4
Engine idling speed, rpm	590	590
Fuel, rec. octane	91–98 RON	91-98 RON
Max output, kW (hp)/rpm.	179 (243) / 6400	224 (304) / 5600
Max torque, Nm/rpm.	320 / 3200	440 / 2100-4200

3.2 (B6324S5)

In-line 6-cyl. petrol



	1000 2000 3000 4000 Engine speed	25 5000 6000 7000 d rpm	25 0 1000 2000 3000 4000 5000 6000 7000 Engine speed rpm
Manual gearbox/final drive			
Automatic gearbox/final drive	AW TF-80SC FWD/AW	3.750/3.750	AW TF-80SC 3.464
PERFORMANCE			
Gearbox	Automatic FWD	Automatic AWD	Automatic
Acceleration, 0-100 km/h (sec)	8.8	9.0	6.9
Top speed, km/h	210	210	210
Fuel consumption I/100 km (Combined)	10.1	10.1	10.6
CO ₂ g/km	234	234	248

6-speed manual	and automatic gearbox.			
6-speed powersl	hift.			
RATIO	AWTF-80SC (FWD)	AWTF-80SC (AWD)	M66K M3A	M66E N5A
First	4.148	4.148	3.583	3.750
Second	2.370	2.370	1.905	1.905
Third	1.556	1.556	1.194	1.194
Fourth	1.155	1.115	0.838	0.838
Fifth	0.859	0.859	0.652	0.652
Sixth	0.686	0.686	0.540	0.540
Reverse	3.394	3.394	3.395	3.436

rype	ili-ilile 3-cyi. turbo ui	esei iii-iiile J-cyi	. turbo dieser
Configuration	Transverse, front who	eel drive Transverse,	all wheel drive
Displacement, cm ³	1984	2400	
Bore (mm)	81.0	81.0	
Stroke (mm)	77.0	93.15	
Engine cylinder block material	Aluminium	Aluminium	
Cylinderhead material	Aluminium	Aluminium	
Compression ratio	16.5:1	16.5:1	
Valves, no/cylinder	4	4	
Camshafts	2	2	
Engine management system	Electronically control common rail direct in		ly controlled I direct injection
gnition sequence	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5	5 - 3
Engine idling speed, rpm	700	700 Auto /	740 man
Fuel, rec. octane	Cetane Number: Min		nber: Min 48
Max output, kW (hp)/rpm.	120 (163) / 3500	120 (163)	
Max torque, Nm/rpm.	400 / 1500-2750	420 / 1500	
POWER AND TORQUE → Manual gearbox/final drive	Power, KW 275 250 200 175 150 125 100 200 8000 4000 Engine speed 1		Torque, Mr. 500 500 475 450 425 425 425 425 425 425 425 425 425 425
Automatic gearbox/final drive	AW TF-80SC	3.329 AW TF-80S	C 3.604
PERFORMANCE			
Gearbox	Manual	Automatic Manual	Automatic
Acceleration, 0-100 km/h (sec)	10.2	10.2 10.4	10.8
Гор speed, km/h	205	200 200	195
Fuel consumption I/100 km (Combined)	5.3	5.9 5.3	6.4
CO ₂ g/km	139	154 139	169

Suspension	front	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	
	rear	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	
Steering		Power Assisted Rack and Pinion Steering	
Turning circle, (curb to curb)		11.5 m	
Braking system		Antilock Braking System (ABS) with Electronic Brake Distribution (EBD)	
		and Electronic Brake Assistance (EBA)	
Braking distance, 100-0 km / h		39 m	
Brake disc diameter	front	316 mm	
	rear	302 mm	

ENGINES	D5 (D5244T11)	D5 (D5244T15)
Туре	In-line 5-cyl. turbo diesel	In-line 5-cyl. turbo diesel
Configuration	Transverse, all wheel drive	Transverse, all wheel drive
Displacement, cm³	2400	2400
Bore (mm)	81.0	81.0
Stroke (mm)	93.15	93.15
Engine cylinder block material	Aluminium	Aluminium
Cylinderhead material	Aluminium	Aluminium
Compression ratio	16.5:1	16.5:1
Valves, no/cylinder	4	4
Camshafts	2	2
Engine management system	Electronically controlled common rail direct injection	Electronically controlled common rail direct injection
Ignition sequence	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3
Engine idling speed, rpm	740	700
Fuel, rec. octane	Cetane Number: Min 48	Cetane Number: Min 48
Max output, kW (hp)/rpm.	158 (215) / 4000	158 (215) / 4000
Max torque, Nm/rpm.	420 / 1500-3250	440 / 1500-3000
POWER AND TORQUE →	Power, kW Torque, Nm	Power, kW Torque 279 250 200 1000 2000 3000 4000 5000 6000 700 Engine speed rpm
Manual gearbox/final drive	M66E N5A 4.530	
Automatic gearbox/final drive		AW TF-80SC 3.604
PERFORMANCE		
Gearbox	Manual	Automatic
Acceleration, 0-100 km/h (sec)	8.0	8.3
Top speed, km/h	210	205
Fuel consumption I/100 km (Combined)	5.3	6.4
CO ₂ g/km	139	169

IGINES	D5 (D5244T11)	D5 (D5244T15)
pe	In-line 5-cyl. turbo diesel	In-line 5-cyl. turbo diesel
nfiguration	Transverse, all wheel drive	Transverse, all wheel drive
splacement, cm³	2400	2400
re (mm)	81.0	81.0
oke (mm)	93.15	93.15
gine cylinder block material	Aluminium	Aluminium
linderhead material	Aluminium	Aluminium
mpression ratio	16.5:1	16.5:1
ves, no/cylinder	4	4
mshafts	2	2
gine management system	Electronically controlled common rail direct injection	Electronically controlled common rail direct injection
ition sequence	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3
gine idling speed, rpm	740	700
el, rec. octane	Cetane Number: Min 48	Cetane Number: Min 48
x output, kW (hp)/rpm.	158 (215) / 4000	158 (215) / 4000
x torque, Nm/rpm.	420 / 1500-3250	440 / 1500-3000
OWER AND TORQUE →	Power, kW Torque, Nm	Power, kW Torque, Nm 275 475 450 475 425 400 475 400 376 377 3876 3876 3876 3876 3876 3876 3
nual gearbox/final drive	M66E N5A 4.530	
tomatic gearbox/final drive		AW TF-80SC 3.604
RFORMANCE		
	Manager	A

EXTERIOR MEASUREMENTS (CM)	
Length	483.8
Width (without mirrors)	187.0
Height (including shark fin)	160.4
Wheelbase	281.5
Track, front, (16"/17")	161.4 / 160.4
Track, rear, (16"/17")	158.0 / 157.0
Ground clearance, curb (5 cyl / 6 cyl engins)	21.0 / 21.5
Max. trailer weight, kg Max roof load, kg Drag coefficient, Cd	1600-2100 100 0.35
INTERIOR MEASUREMENTS (CM)	
Headroom without sunroof (front/rear)	98.5 / 98.1
Headroom with sunroof (front/rear)	95.9 / 97.7
Passenger compartment width	
at shoulder height (front/rear)	145.7 / 143.4
Leg room (front/rear)	106.4 / 88.0
(ICO)(211)	E71

Cargo vaolume, including under floor storage (ISO V211) Cargo length from the first seatback to the tailgate measured at:

Cargo height (rear wheel center and car center line)

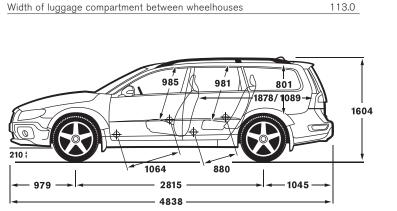
Cargo length from the second seatback to the tailgate measured at:

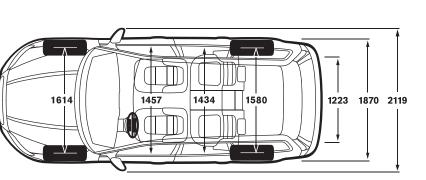
- the height of the floor covering

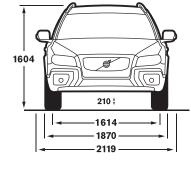
- the height of the floor covering

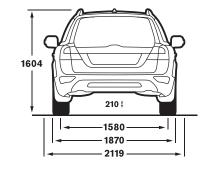
Rear opening height (car center line)

CONT'D VOLVO XC70 → → CONT'D VOLVO XC70









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