

Volvo S80

CONT'D VOLVO S80 →

ENGINES

Type
Configuration
Displacement, cm ³
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinderhead material
Combustion chamber type
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed
Fuel, rec. octane
Max output, kW (ps)/rpm.
Max torque, Nm/rpm.

Ethanol/Petrol 2.0F (B4204S4)

4 cyl. Naturally aspirated
Transverse, FWD
1999
87.5
83.1
Aluminium
Aluminium
Pent-roof
10.8:1
4
2
Integrated fuel (SFI) / ignition control system
1-3-4-2
700
E85/95–98 RON
107 (145)/6000
190/4500

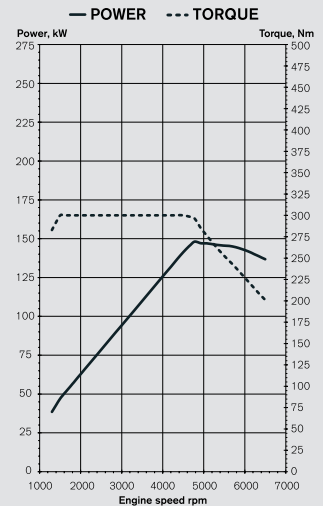
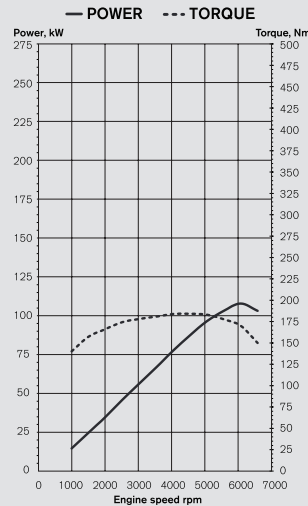
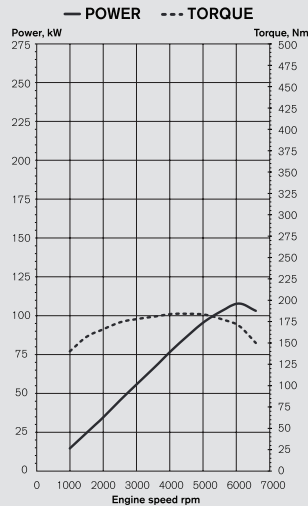
Petrol 2.0 (B4204S3)

4 cyl. Naturally aspirated
Transverse, FWD
1999
87.5
83.1
Aluminium
Aluminium
Pent-roof
10.8:1
4
2
Integrated fuel (SFI) / ignition control system
1-3-4-2
700
95–98 RON
107 (145)/6000
190/4500

Petrol 2.5T (B5254T6)

In-line, 5-cylinder LPT
Transverse, FWD
2521
83
93.2
Aluminium
Aluminium
Pent-roof
9.0:1
4
2
Integrated fuel (SFI) / ignition control system
1-2-4-5-3
720
95–98 RON
147 (200)/4800
300/1500–4500

POWER AND TORQUE →



Manual gearbox/final drive
Automatic gearbox/final drive

MTX75 Q2/4.07

MTX75 Q2/4.07

M66W F3A/4.00
AWTF-80SC/3.33

PERFORMANCE

Gearbox
Acceleration, 0–100 km/h (sec)
Top speed, km/h
Fuel consumption l/100 km (EC 1999/100, combined)
CO ₂ g/km

Manual
11.6
205
11.6 (E85 Bio-Ethanol)/8.3 (petrol)
191 (E85 Bio-Ethanol)/199 (petrol)

Manual
11.6
205
8.3
199

Manual	Automatic
7.7	8.0
235	230
9.3	10.2
223	244

TRANSMISSIONS

6-speed manual gearbox.
6-speed adaptive automatic geartronic transmission, electronically controlled, with lock-up and winter mode selection.

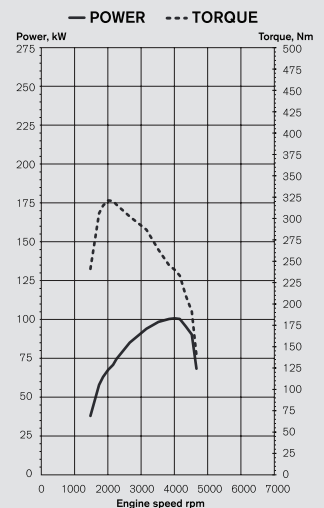
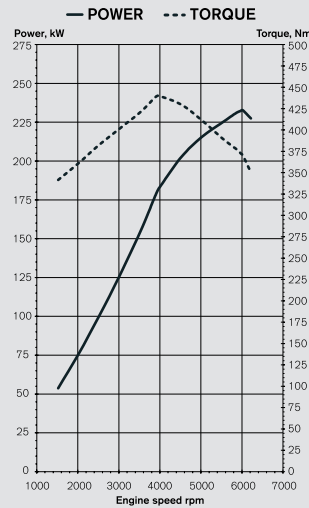
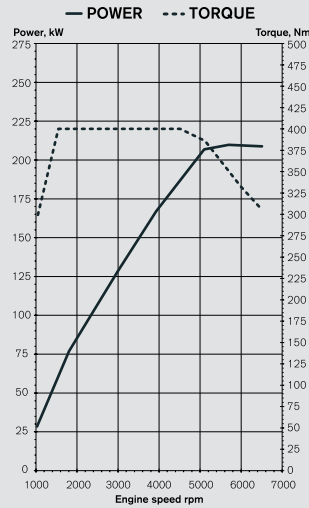
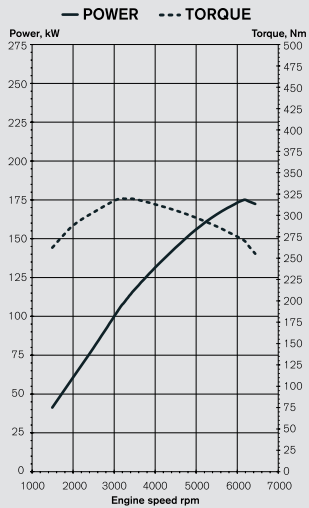
Ratio	MTX75 Q2	AWTF-80SC	M66W F3A	M66D F3A	M66E F3A	MMT6 W3FD
First	3.80	4.15	3.39	3.39	3.75	3.58
Second	2.14	2.37	1.91	1.91	1.91	1.95
Third	1.45	1.56	1.27	1.19	1.19	1.24
Fourth	1.11	1.16	0.95	0.84	0.84	0.87
Fifth	0.90	0.86	0.78	0.65	0.65	0.94
Sixth	–	0.69	0.65	0.54	0.54	0.79
Reverse	3.73	3.39	3.23	3.23	3.40	5.10

Petrol 3.2 (B6324S)
In-line, 6-cylinder naturally aspirated
Transverse, FWD/AWD
3192
84
96
Aluminium
Aluminium
Pent-roof
10.8:1
4
2
Integrated fuel (SFI) / ignition control system
1-5-3-6-2-4
650
95-98 RON
175 (238)/6200
320/3200

Petrol T6 AWD (B6304T2)
In-line 6-cyl.turbo petrol
Transverse, AWD
2953
82
93.2
Aluminium
Aluminium
Pent-roof
9.3:1
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-5-3-6-2-4
650
95-98 RON
210 (285)/5600
400/1500-4800

Petrol V8 AWD (B8444S)
8-cylinder naturally aspirated
Transverse, AWD
4414
94
79.5
Aluminium
Aluminium
Pent-roof
10.4:1
4
4
Integrated fuel (SFI) / ignition control system
1-8-4-3-6-5-7-2
675
95-98 RON
232 (315)/5950
440/3950

Diesel 2.0D (D4204T)
In-line, 5-cylinder turbo diesel
Transverse, FWD
1997
85
88
Aluminium
Aluminium
Re-Entry
18.5:1
4
2
Common rail electronic fuelling
1-3-4-2
800
Diesel min. cetane 48
100 (136)/4000
320/2000



AWTF-80SC/3.33 ^A 3.46 ^B	
Automatic ^A	Automatic ^B
7.9	8.2
240	235
10.3	10.7
246	255

AWTF-80SC/3.33	
Manual	Automatic
-	6.9
-	250
-	11.2
-	267

AWTF-80SC/3.33	
Manual	Automatic
-	6.5
-	250
-	11.9
-	284

MMT6 W3FD/2.77 ^A	
Manual	
11.0	
200	
5.7	
151	

^AFWD ^BAWD

^A Gear 5 & 6 (3.81 Gear 1, 2, 3, 4)

MEASUREMENTS AND VOLUMES

EXTERIOR MEASUREMENTS (MM)

Length	4851
Width (without mirrors)	1861
Height (including shark fin)	1493
Wheelbase	2835
Track, front	1588/1578 ⁱ
Track, rear	1585/1575 ⁱ
Ground clearance (+2 pers)	148
Load height	691

WEIGHTS/MISCELLANEOUS

Weight, kg (min-max, depending on model)	1520-1920
Fuel tank, l	70
Max. trailer weight, kg (depending on model)	1500-2000
Drag coefficient	0.29

INTERIOR MEASUREMENTS (MM)

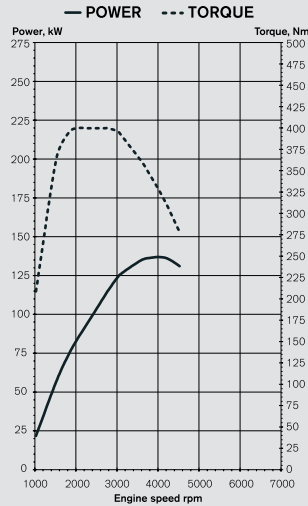
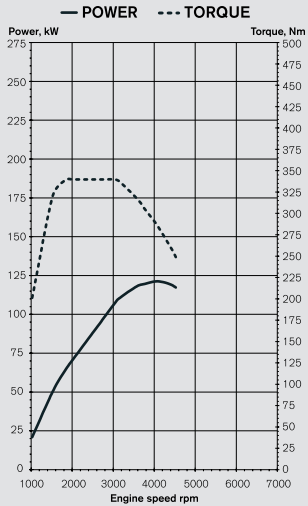
Headroom with sunroof (front/rear)	959/972
Headroom without sunroof (front/rear)	985/973
Passenger compartment width at shoulder height (front/rear)	1457/1431
Luggage volume, litres (DIN V210)	480
Load length	1094
Load length with rear seat folded down	1927
Loading height between cargo floor and parcel shelf	492
Width of luggage compartment between wheel arches	1130

ⁱ16"/17" Wheels

All figures are preliminary. Volvo reserves the right to make changes in the specifications without any notice.

Diesel 2.4D (D5244T5)
In-line, 5-cylinder turbo diesel
Transverse, FWD
2400
81
93.15
Aluminium
Aluminium
Re-Entry
17.3:1
4
2
Common rail electronic fuelling
1-2-4-5-3
700
Diesel min. cetane 48
120 (163)/4000
340/1750-2750

Diesel D5 (D5244T4)
In-line, 5-cylinder turbo diesel
Transverse, FWD/AWD
2400
81
93.15
Aluminium
Aluminium
Re-Entry
17.3:1
4
2
Common rail electronic fuelling
1-2-4-5-3
700
Diesel min. cetane 48
136 (185)/4000
400/2000-2750



M66D F3A/4.00	
AWTF-80SC/3.20	
Manual	Automatic
9.5	10.0
215	210
6.3	7.2
167	189

M66D F3A/4.00 ^A	M66E F3A/4.00 ^B
AWTF-80SC/3.20 ^A	3.33 ^B
Manual	Automatic
8.5 ^A /8.9 ^B	9.0 ^A /9.5 ^B
225 ^A /220 ^B	225 ^A /215 ^B
6.4 ^A /6.9 ^B	7.3 ^A /7.8 ^B
169 ^A /182 ^B	193 ^A /206 ^B

^AFWD ^BAWD

CHASSIS

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)		11.2 m
Turns of steering wheel lock to lock		2.8
Braking system		Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)
Brake disc diameter (front/rear)		300-336 mm / 302 mm