

Volvo S40

Cont'd Volvo S40 →

ENGINES

Type
Configuration
Displacement, cm ³
Engine cylinder block material
Cylinderhead material
Combustion chamber type
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 →

TRANSMISSIONS

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

Ratio	MMT6	M66W	M56L	M56H	AW55-51
First	3.07	3.39	3.39	3.07	4.66
Second	1.86	1.91	1.90	1.77	3.03
Third	1.24	1.27	1.19	1.19	1.98
Fourth	0.84	0.95	0.87	0.87	1.34
Fifth	0.88	0.78	0.70	0.70	1.02
Sixth	0.71	0.65	-	-	-
Reverse	4.19	3.20	3.30	2.99	5.11

Manual gearbox/final drive
Automatic gearbox/final drive

PERFORMANCE

Gearbox
Acceleration, 0-100 km/h (sec)
Top speed, km/h
Fuel consumption l/100 km (Combined)
CO ₂ g/km

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, curb to curb		10.6 m
Braking system		ABS system with EBD. Ventilated discs front and rear.
Braking distance 100-0 km/h		38 m
Brake disc diameter		
Front/Rear		300/278 mm

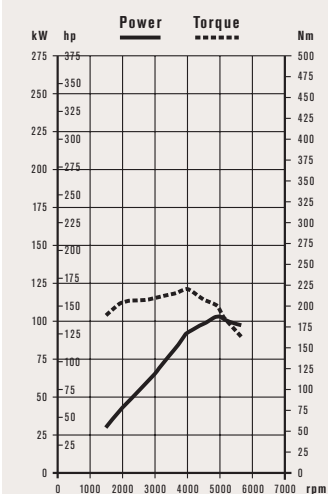
MEASUREMENTS AND VOLUMES

Exterior measurements (cm)	
Length	446.8
Width	177.0
Height, curb	145.2
Wheelbase	264.0
Track, front	153.5
Track, rear	153.1
Ground clearance, curb	13.5
Weights/Miscellaneous	
Weight, curb, kg (B5244S4/B5254T3)	1399/1419
Fuel tank, l (Petrol/Diesel)	62/55
Max. trailer weight, kg	1500
Max load, kg	450
Max roof load, kg	75
Drag coefficient, Cd	0.31

Interior measurements (cm)	
Headroom with sunroof (front/rear)	96.8/94.5
Headroom without sunroof (front/rear)	98.8/94.5
Passenger compartment width at shoulder height (front/rear)	140.2/137.4
Leg room (front/rear)	105.7/87.4
Cargo volume, litres (ISO V210)	404
Cargo length (L211)	97.6
Cargo length with rear seat(s) folded down	174.5
Load length with rear seat(s) and front passenger seat folded down	302.0
Height of luggage compartment	47.5
Liftover height (H195)	64.2
Width of luggage compartment between wheelhouses	103.4

Volvo S40 2.4/140 (B5244S5)

In-line 5 cyl., naturally aspirated
Transverse, front wheel drive
2435
Aluminium
Aluminium
Pent-roof
10.3
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-2-4-5-3
720
91-98 RON
103 (140)/5000
220/4000

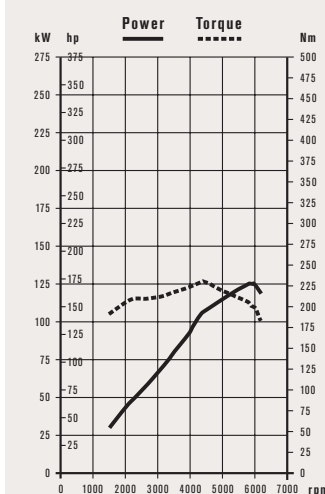


M56L/4.00
AW55-51/2.44

	Manual	Automatic
Acceleration, 0-100 km/h (sec)	9.9	10.6
Top speed, km/h	205	200
Fuel consumption l/100 km (Combined)	8.4	9.1
CO ₂ g/km	199	217

Volvo S40 2.4i/170 (B5244S4)

In-line 5 cyl., naturally aspirated
Transverse, front wheel drive
2435
Aluminium
Aluminium
Pent-roof
10.3
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-2-4-5-3
720
91-98 RON
125 (170)/6000
230/4400



M56H/4.25
AW55-51/2.44

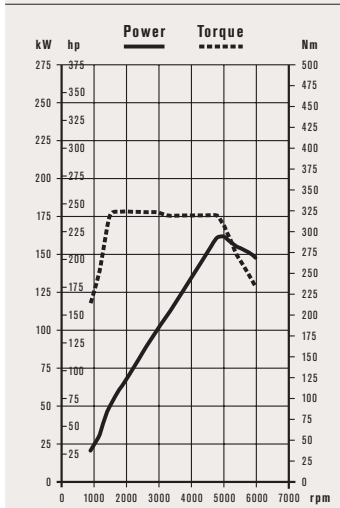
	Manual	Automatic
Acceleration, 0-100 km/h (sec)	8.2	8.9
Top speed, km/h	220	215
Fuel consumption l/100 km (Combined)	8.5	9.1
CO ₂ g/km	203	217

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Preliminary data

Volvo S40 T5 (B5254T3)
In-line 5 cyl., light press. turbo
Transverse, front wheel drive
2521
Aluminium
Aluminium
Pent-roof
9.0
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-2-4-5-3
770
91-98 RON
162 (220)/5000
320/1500-4800

Volvo S40 2.0D (D4204T)
In-line 4 cyl. turbo diesel
Transverse, front wheel drive
1998
Aluminium
Aluminium
-
18.5
4
2
Common-Rail Direct Injection with self diagnostics
1-3-4-2
800
Diesel Min Cetane 48
100 (136)/4000 prel.
340/2000 prel.



n.a.

M66W/3.77
AW55-51/2.27
Manual Automatic
6.8 7.2
240 235
8.7 9.4
208 224

MMT6/2.85*
-
Manual
9.5
210
5.6
148

* Gear 5, 6 & Rev. (4.07 Gear 1, 2, 3, 4)