

## ENGINES

Type
Configuration
Displacement, cm <sup>3</sup>
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, rpm
Fuel, rec. octane
Max output, kW (hp)/rpm.
Max torque, Nm/rpm.

## POWER AND TORQUE →

## 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	278 320/280mm	

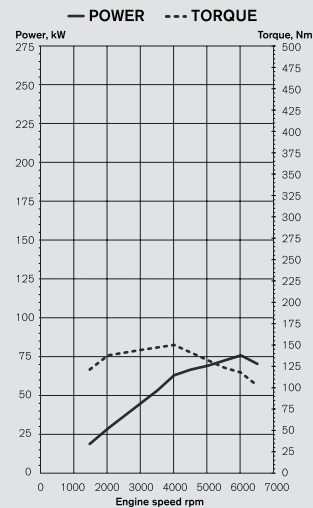
Manual gearbox/final drive
Automatic gearbox/final drive

## PERFORMANCE

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

### Volvo S40 1.6 (B4164S3)

In-line 4 cyl., naturally aspirated
Transverse, front wheel drive
1596
79
81.4
Aluminium
Aluminium
Pent-roof
11.0
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-3-4-2
725
91–98 RON
74 (100)/6000
150/4000



IB5/4.06

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Manual

11.9

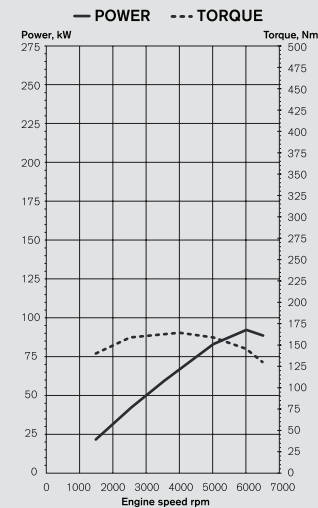
185

7.2

171

### Volvo S40 1.8 (B4184S11)

In-line 4 cyl., naturally aspirated
Transverse, front wheel drive
1798
83
83.1
Aluminium
Aluminium
Pent-roof
10.8
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-3-4-2
700
95–98 RON
92 (125)/6000
165/4000



MTX75/4.07

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Manual

10.9

200

7.2

172

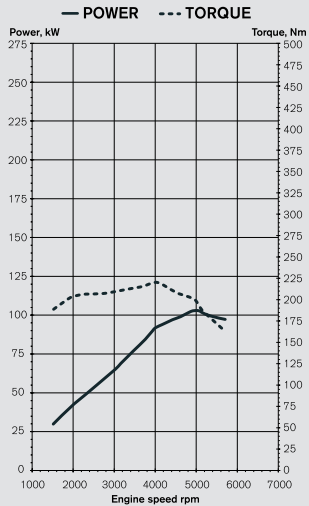
## TRANSMISSIONS

5- or 6-speed manual gearbox.

5-speed adaptive automatic transmissions with Geartronic, electronically controlled, with lock-up.

RATIO	IB5	MTX75	M56H	M66W	MTX75P2	M56L2	MMT6	AW55-51
First	3.58	3.42	3.07	3.39	3.67	3.39	3.58	4.66
Second	2.04	2.14	1.77	1.91	2.05	1.91	1.95	3.03
Third	1.41	1.48	1.19	1.27	1.35	1.19	1.24	1.98
Fourth	1.11	1.11	0.87	0.95	0.92	0.87	0.87	1.34
Fifth	0.88	0.85	0.70	0.78	0.71	0.65	0.79	1.02
Sixth	–	–	–	0.65	–	–	–	–
Reverse	3.62	3.73	2.99	3.20	3.73	3.30	5.10	5.11

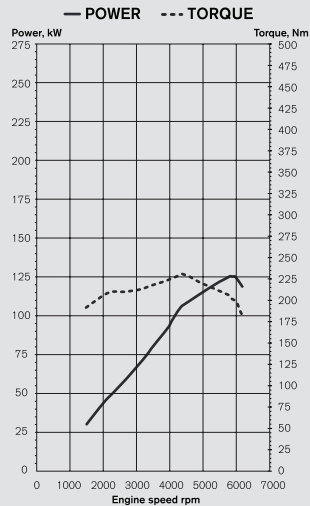
<b>Volvo S40 2.4/140 (B5244S5)</b>
In-line 5 cyl., naturally aspirated
Transverse, front wheel drive
2435
83
90
Aluminium
Aluminium
Pent-roof
10.3
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-2-4-5-3
720
91-98 RON
103 (140)/5000
220/4000



M56L/4.00  
AW55-51/2.44

	Manual	Automatic
	9.9	10.6
	205	200
	8.4	9.1
	199	217

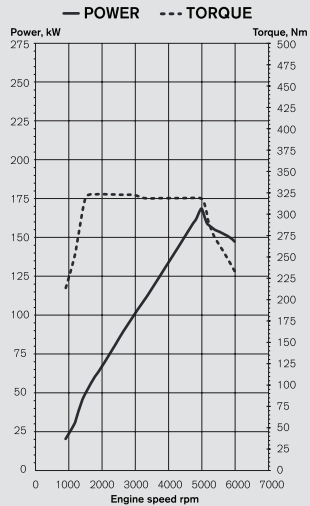
<b>Volvo S40 2.4i/170 (B5244S4)</b>
In-line 5 cyl., naturally aspirated
Transverse, front wheel drive
2435
83
90
Aluminium
Aluminium
Pent-roof
10.3
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-2-4-5-3
720
91-98 RON
125 (170)/6000
230/4400



M56H/4.25  
AW55-51/2.44

	Manual	Automatic
	8.2	8.9
	220	215
	8.5	9.1
	203	217

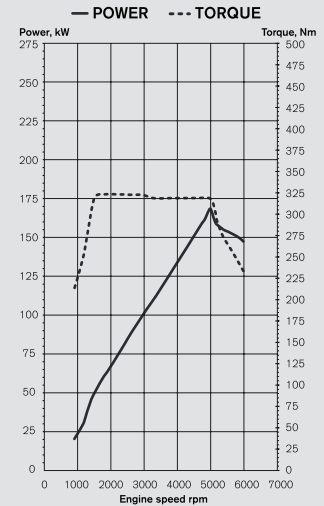
<b>Volvo S40 T5 (B5254T7)</b>
In-line 5 cyl., light press. turbo
Transverse, front wheel drive
2521
83
93,2
Aluminium
Aluminium
Pent-roof
9.0
4
2
Microprocessor controlled fuel and ignition system with self diagnostics
1-2-4-5-3
770
91-98 RON
169 (230)/5000
320/1500-5000



M66W/3.77  
AW55-51/2.27

	Manual	Automatic
	6.8	7.2
	240	235
	8.7	9.4
	208	224

<b>Volvo S40 T5 AWD (B5254T7)</b>
In-line 5 cyl., light press. turbo
Transverse, all wheel drive
2521
83
93,2
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
169 (230)/5000
320/1500-5000



M66W/4.00  
AW55-51/2.27

	Manual	Automatic
	7.1	7.5
	230	225
	9.5	10.1
	227	241

**MEASUREMENTS AND VOLUMES**

**EXTERIOR MEASUREMENTS (CM)**

Length	447.6
Width	177.0
Height, curb	145.4
Wheelbase	264.0
Track, front, (15"/16"-17")	154.8/153.5
Track, rear, (15"/16"-17")	154.4/153.1
Ground clearance, curb	13.5
AWD	14.1

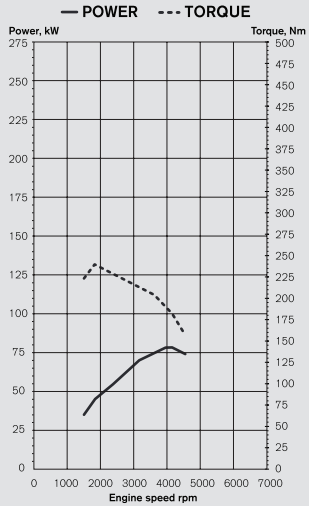
**WEIGHTS/MISCELLANEOUS**

Weight, curb, kg,	
(min-max, depending on model)	1235-1465
Fuel tank, l	
(min-max, depending on model)	52-62
Max. trailer weight, kg,	
(min-max, depending on model)	1200-1500
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, low floor high floor (ISO V210)	404 325
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 low floor high floor	44.1 36.0
Liftover height (H195)	64.2
Width of luggage compartment between wheelhouses	103.4

<b>Volvo S40 1.6D (D4164T)</b>
In-line 4 cyl. turbo diesel
Transverse, front wheel drive
1560
75
88.3
Aluminium
Aluminium
—
18.3
4
2
Common-Rail Direct Injection with self diagnostics
1-3-4-2
800
Diesel Min Cetane 48
80 (109)/4000
240/1750



MTX75P2/3.41

Manual

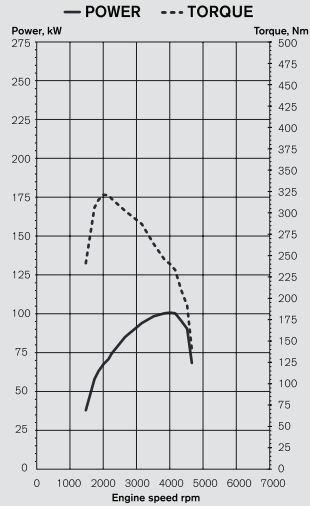
12.0

190

4.9

129

<b>Volvo S40 2.0D (D4204T)</b>
In-line 4 cyl. turbo diesel
Transverse, front wheel drive
1997
85
88
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
320/2000



MMT6/2.77<sup>1</sup>

Manual

9.5

205

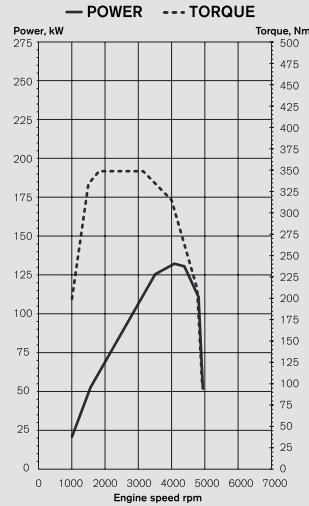
5.7<sup>2</sup>

153

<sup>1</sup> Gear 5 & 6 (3.81 Gear 1, 2, 3, 4)

<sup>2</sup> 5.8 data for Euro 4 diesel particle filter  
5.7 data for Euro 3 without diesel particle filter 150g/km

<b>Volvo S40 D5 (D5244T8)</b>
In-line 5 cyl. turbo diesel
Transverse, front wheel drive
2400
81
93,2
Aluminium
Aluminium
—
17.3
4
2
Common-Rail Direct Injection with self diagnostics
1-2-4-5-3
700
Diesel Min Cetane 48
132 (180)/4000
350/1750-3250



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AW55-51/2.27

Automatic

8.7

220

7.3

193