

Volvo S60 R

ENGINES

Type
Configuration
Displacement, cm ³
Engine cylinder block material
Cylinderhead material
Combustion chamber type
Compression ratio
Valvetrain
Ignition sequence
Engine idling speed
Fuel, rec. octane
Max engine speed (rpm)
Max output, kW (hp)/rpm.
Max torque, Nm/rpm.

TRANSMISSIONS

6-speed manual gearbox. 5-speed automatic with geartronic, electronically controlled with Sport Mode selection.

Ratio	M66	AW 55-51
First	3.38	4.66
Second	2.05	3.03
Third	1.43	1.98
Fourth	1.09	1.34
Fifth	0.87	1.02
Sixth	0.7	
Reverse	3.20	5.11

Manual gearbox/final drive
Automatic transmission/final drive
Installation

PERFORMANCE

Gearbox
Acceleration, 0–100 km/h (sec) / 0–60 mph (sec)
Top speed, electronically controlled km/h / mph
Fuel consumption l/100 km* (EC 17/1999, combined) (Figures within brackets valid for lower inertia class)
CO ₂ g/km (EU04, LEV1)

CHASSIS

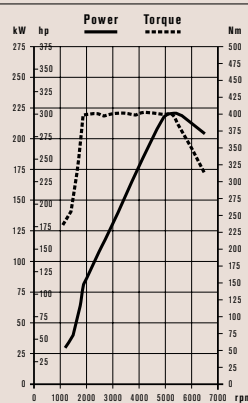
Semi active chassis with 3 driving modes		
Suspension	front	Spring-strut, lower link, anti-roll bar
	rear	Individual Multi-link coil spring, anti-roll bar
Steering	Rack and pinion, power assisted, speed dependent	
Turning circle	13 m	
Turns of steering wheel end to end	2.5	
Braking system	ABS system with EBA* and EBD**.	
Ventilated discs front and rear		
Four piston callipers front and rear		
Brake disc diameter (front/rear) 330/330 mm***		
Stopping distance 100–0 km/h (m) 36		
10 repeated stops (AMS) (m) 37		
Wheel dimension 8x17", 8x18"		
Tyre dimension 235/45 17", 235/40 18"		

MEASUREMENTS AND VOLUMES

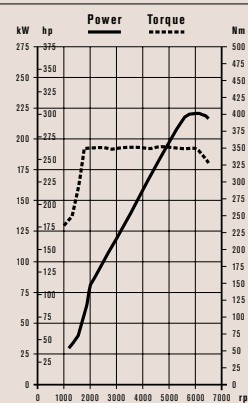
Exterior measurements (cm)	
Length	460.6
Width	180.4
Height (curb, min)	143
Wheelbase	271.5
Track, front	155.7
Track, rear	154.2
Interior measurements (cm)	
Headroom with sunroof (front/rear)	99/96
Headroom without sunroof (front/rear)	98/96
Passenger compartment width at shoulder height (front/rear)	143/141
Luggage volume, litres (DIN V210)	424
Load length	105

Load length with rear seat folded down	173
Load length with rear seat and front passenger seat folded down	276
Loading height between cargo floor and parcel shelf	44
Width of luggage compartment between wheel arches	114
Weight/misc (kg)	
Curb, min	1637
Total max	2110
Max trailer weight	1600
Weight distribution front/rear (%)	55/45
Drag coefficient, Cd	0.29
Front area (m ²)	2.19

B5254T4 (manual gearbox)	B5254T4 (automatic gearbox)
In-line 5 cylinder, with turbo	In-line 5 cylinder, with turbo
Transverse, all wheel drive	Transverse, all wheel drive
2521	2521
Aluminium	Aluminium
Aluminium	Aluminium
Pent-roof	Pent-roof
8.5	8.5
DOHC, 4 valves/cylinder. Continuously Variable Valve Timing (CVVT) on inlet and exhaust	
1-2-4-5-3	1-2-4-5-3
720	720
98 RON	98 RON
6500 (6800 3 sec)	6500 (6800 3 sec)
220,3 (300)/5500	220,6 (300)/6000
400/1950–5250	350/1850–6000



M66/3.77



AW55-51/2.65

Electronically controlled AWD (All Wheel Drive)

Manual

5.7/5.4
250/155

10.5
252

Automatic

7.5/(7.2)
250/155

10.9
261

Volvo V70 R

ENGINES

Type
Configuration
Displacement, cm ³
Engine cylinder block material
Cylinderhead material
Combustion chamber type
Compression ratio
Valvetrain
Ignition sequence
Engine idling speed
Fuel, rec. octane
Max engine speed (rpm)
Max output, kW (hp)/rpm.
Max torque, Nm/rpm.

TRANSMISSIONS

6-speed manual gearbox. 5-speed automatic with geartronic, electronically controlled with Sport Mode selection.

Ratio	M66	AW 55-51
First	3.38	4.66
Second	2.05	3.03
Third	1.43	1.98
Fourth	1.09	1.34
Fifth	0.87	1.02
Sixth	0.7	
Reverse	3.20	5.11

Manual gearbox/final drive
Automatic transmission/final drive
Installation

PERFORMANCE

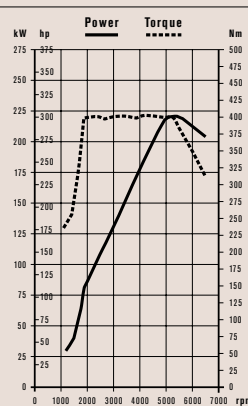
Gearbox
Acceleration, 0–100 km/h (sec) / 0–60 mph (sec)
Top speed, electronically controlled km/h / mph
Fuel consumption l/100 km* (EC 17/1999, combined) (Figures within brackets valid for lower inertia class)
CO ₂ g/km (EU04, LEV1)

CHASSIS

Semi active chassis with 3 driving modes		
Suspension	front	Spring-strut, lower link, anti-roll bar
	rear	Individual Multi-link coil spring, anti-roll bar
Steering		Rack and pinion, power assisted, speed dependent
Turning circle		13.2 m
Turns of steering wheel end to end		2.5
Braking system		ABS system with EBA* and EBD**.
Ventilated discs front and rear		
Four piston callipers front and rear		
Brake disc diameter (front/rear)		330/330 mm***
Stopping distance		100–0 km/h (m) 36
10 repeated stops (AMS) (m)		37
Wheel dimension		8x17", 8x18"
Tyre dimension		235/45 17", 235/40 18"

B5254T4 (manual gearbox)

In-line 5 cylinder, with turbo
Transverse, all wheel drive
2521
Aluminium
Aluminium
Pent-roof
8.5
DOHC, 4 valves/cylinder. Continuously Variable Valve Timing (CVT) on inlet and exhaust
1-2-4-5-3
720
98 RON
6500 (6800 3 sec)
220,3 (300)/5500
400/1950–5250



M66/3.77

Electronically controlled AWD (All Wheel Drive)

Manual

5.9/5.6

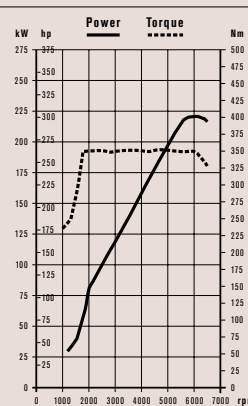
250/155

10.7

256

B5254T4 (automatic gearbox)

In-line 5 cylinder, with turbo
Transverse, all wheel drive
2521
Aluminium
Aluminium
Pent-roof
8.5
DOHC, 4 valves/cylinder. Continuously Variable Valve Timing (CVT) on inlet and exhaust
1-2-4-5-3
720
98 RON
6500 (6800 3 sec)
220,6 (300)/6000
350/1850–6000



AW55-51/2.65

Automatic

7.7/7.4

250/155

11.1

266

MEASUREMENTS AND VOLUMES

Exterior measurements (cm)		
Length	471.0	
Width	180.4	
Height (curb, min)	146	
Wheelbase	275.5	
Track, front	155.7	
Track, rear	154.2	
Interior measurements (cm)		
Headroom with sunroof (front/rear)	100/99	
Headroom without sunroof (front/rear)	100/99	
Passenger compartment width at shoulder height (front/rear)	143/142	
Luggage volume, litres (DIN V211/V212/V214)	485/745/1641	
Load length		109
Load length with rear seat folded down		185
Load length with rear seat and front passenger seat folded down		282
Height of luggage compartment		81
Width of luggage compartment between wheel arches		113
Weight/misc (kg)		
Curb, min		1713
Total max		2220
Max trailer weight		1800
Weight distribution front/rear (%)		54/46
Drag coefficient, Cd		0.32
Front area (m ²)		2.23

*EBA (Electronic Braking Assistance) **EBD (Electronic Braking Distribution) *** 12.9/12.9 inch