2009 Volvo S60 Specifications

	Petrol 2.4 - 140	Petrol 2.4 - 170	Petrol 2.0 T	Petrol 2.5 T	Petrol 2.5 T AWD	Petrol T5	Diesel 2.4D - 126	Diesel 2.4D - 163	Diesel D5
Engine									
Engines	B5244S2	B5244S	B5204T5	B5255T2	B5254T2	B5244T5	D5244T7	D5244T5	D5244T4
Type	5 cyl. Naturally aspirated	5 cyl. Naturally aspirated	In-line 5 cyl. Turbo	In-line 5 cyl. Turbo	In-line 5 cyl. Turbo	In-line 5 cyl. Turbo	In-line 5 cyl. Diesel turbo	In-line 5 cyl. Diesel turbo	In-line 5 cyl. Diesel turbo
Configuration	FWD	FWD	FWD	FWD	AWD	FWD	FWD	FWD	FWD
Displacement	2435 cm³	2435 cm³	1984 cm³	2521 cm³	2521 cm³	2401 cm³	2400 cm³	2400 cm³	2400 cm³
Bore	83 mm	83 mm	81 mm	83 mm	83 mm	81 mm	81 mm	81 mm	81 mm
Stroke	90 mm	90 mm	77 mm	93,2 mm	93,2 mm	93,2 mm	93,15 mm	93,15 mm	93,15 mm
Compression ratio	10,3:1	10,3:1	9,5:1	9,0:1	9,0:1	8,5:1	17,3:1	17,3:1	17,3:1
Valves, no/cylinder	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.
DOHC / SOHC	DOHC	DOHC	DOHC	DOHC	DOHC	DOHC	DOHC	DOHC	DOHC
Engine management system	Integrated fuel (SFI) / ignition control system	Integrated fuel (SFI) / ignition control system	Integrated fuel (SFI) / ignition control system	Integrated fuel (SFI) / ignition control system	Integrated fuel (SFI) / ignition control system	Integrated fuel (SFI) / ignition control system	Common rail electronic fuelling	Common rail electronic fuelling	Common rail electronic fuelling
Ignition sequence	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3
Engine idling speed	750 rpm	750 rpm	670 rpm	670 rpm	670 rpm	670 rpm	700 rpm	700 rpm	700 rpm
Fuel, rec. Octane	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	Diesel. Cetane Number min 48	Diesel. Cetane Number min 48	Diesel. Cetane Number min 48
Max output	103 kW (140 hp) / 4500 rpm	125 kW (170 hp) / 6000 rpm	132 kW (180 hp) / 5500 rpm	154 kW (210) / 5000 rpm	154 kW (210) / 5000 rpm	191 kW (260 hp) / 5500 rpm	93 kW (126 hp) / 4000 rpm	120 kW (163 hp) / 4000 rpm	136 kW (185 hp) / 4000 rpm
Max torque	220 / 55 Nm / rps	225 / 75 Nm / rps	240 / 31-83 Nm / rps	320 / 25-75 Nm / rps	320 / 25-75 Nm / rps	350 / 35-83 Nm / rps	300 / 29-38 Nm / rps	340 / 29-46 Nm / rps	400 / 33-46 Nm / rps
Alternator Capacity Ampere	140 A / 160 A	140 A / 160 A	140 A / 160 A	140 A / 160 A	140 A / 160 A	140 A / 160 A	140 A / 160 A	140 A / 160 A	140 A / 160 A
Transmissions									
Transmissions	M56L / AW55-51	M56 H / AW55-51	M56L / AW55-51	M56L / AW55-51	M56L / AW55-51	M66W / AW55-51	M56L2	M56L2 / M66D / AW TF-80SC	M66D / AW TF-80SC
First Gear	3,385 / 4,657	3,071 / 4,657	3,385 / 4,657	3,385 / 4,657	3,385 / 4,657	3,385 / 4,657	3.385	3,385 / 3,385 / 4,148	3,385 / 4,148
Second Gear	1,905 / 3,032	1,773 / 3,032	1,905 / 3,032	1,905 / 3,032	1,905 / 3,032	1,905 / 3,032	1.905	1,905 / 1,905 / 2,370	1,905 / 2,370
Third Gear	1,194 / 1,982	1,194 / 1,982	1,194 / 1,982	1,194 / 1,982	1,194 / 1,982	1,267 / 1,982	1.194	1,194 / 1,194 / 1,556	1,194 / 1,556
Fourth Gear	0,868 / 1,341	0,868 / 1,341	0,868 / 1,341	0,868 / 1,341	0,868 / 1,341	0,949 / 1,341	0.868	0,868 / 0,838 / 1,155	0,838 / 1,155
Fifth Gear	0,700 / 1,018	0,700 / 1,018	0,700 / 1,018	0,700 / 1,018	0,700 / 1,018	0,775 / 1,018	0.652	0,652 / 0,652 / 0,859	0,652 / 0,859
Sixth Gear	- / -	- / -	- / -	- / -	- / -	0,652 / -	-	- / 0,540 / 0,686	0,540 / 0,686
Reverse Gear	3,298 / 5,114	2,993 / 5,114	3,298 / 5,114	3,298 / 5,114	3,298 / 5,114	3,197 / 5,114	3.298	3,298 / 3,231 / 3,394	3,231 / 3,394
Manual Gearbox/final drive	4	4,25	4,25	3,77	4,00	4,00	3,77	3,77 / 4,00 / -	4,00 / -
Automatic Gearbox/final drive	2,44	2,44	2,65	2,27	2,27	2,44	-	- / - / 3,20	- / 3,20
Performance									
Performance	Manual / Automatic	Manual / Automatic	Manual / Automatic	Manual / Automatic	Manual / Automatic	Manual / Automatic	Manual	Manual / Manual / Automatic	Manual / Automatic
Gearbox	M56L / AW55-51	M56 H / AW55-51	M56L / AW55-51	M56L / AW55-51	M56L / AW55-51	M66W / AW55-51	M56L2	M56L2 / M66D / AW TF-80SC	M66D / AW TF-80SC
Acceleration, 0-100 km/h	10,2 s / 11,0 s	8,7 s / 9,6 s	8,8 s / 9,5 s	7,0 s / 7,4 s	7,3 s / 7,7 s	6,5 s / 6,9 s	11,9 s	9,2 s / 9,2 s / 9,7s	8,2 s / 8,7 s
Top speed, km/h	- / 205 km/h (auto)	225 km/h / 215 km/h	225 km/h / 215 km/h	235 km/h / 230 km/h	225 km/h / 220 km/h	- / -	200 km/h	- / - / -	230 km/h / 225 km/h
Top speed (Governed top speed)	210 km/h (man) / -	210 km/h / 210 km/h	210 km/h / 210 km/h	210 km/h / 210 km/h	210 km/h / 210 km/h	250 km/h / 250 km/h	-	210 km/h / 210 km/h / 210 km/h	- / -
Fuel consumption (EC 199/100, Combined)	8,8 l/100km / 9,5 l/100km	8,9 l/100km / 9,5 l/100km	8,9 l/100km / 9,5 l/100km	9,1 l/100km / 9,8 l/100km	9,7 l/100km / 10,2 l/100km	9,3 l/100km / 9,8 l/100km	6,4 l/100km	6,6 l/100km / 6,4 l/100km / 7,5 l/100km	6,6 l/100km / 7,5 l/100km
CO^2	209 g/km / 226 g/km	212 g/km / 226 g/km	212 g/km / 227 g/km	217 g/km / 234 g/km	232 g/km / 244 g/km	220 g/km / 234 g/km	169 g/km	174 g/km / 169 g/km / 199 g/km	174 g/km / 199 g/km
Measurements and Volumes									
Length	4603 mm	4603 mm	4603 mm	4603 mm	4603 mm	4603 mm	4603 mm	4603 mm	4603 mm
Width	1804 mm	1804 mm	1804 mm	1804 mm	1804 mm	1804 mm	1804 mm	1804 mm	1804 mm
Width including mirrors, outer edge	2069 mm	2069 mm	2069 mm	2069 mm	2069 mm	2069 mm	2069 mm	2069 mm	2069 mm
Height	1428 mm	1428 mm	1428 mm	1428 mm	1428 mm	1428 mm	1428 mm	1428 mm	1428 mm
Wheelbase (L110)	2715 mm	2715 mm	2715 mm	2715 mm	2715 mm	2715 mm	2715 mm	2715 mm	2715 mm
Track, front (15"/16",17",18")	1563 mm / 1561 mm	1563 mm / 1561 mm	1563 mm / 1561 mm	1563 mm / 1561 mm	1563 mm / 1561 mm	1563 mm / 1561 mm	1563 mm / 1561 mm	1563 mm / 1561 mm	1563 mm / 1561 mm
Track, rear (15"/16",17",18")	1560 mm / 1542 mm	1560 mm / 1542 mm	1560 mm / 1542 mm	1560 mm / 1542 mm	1560 mm / 1542 mm	1560 mm / 1542 mm	1560 mm / 1542 mm	1560 mm / 1542 mm	1560 mm / 1542 mm
Ground clearance (H156) (+ 2 persons)	131 mm	131 mm	131 mm	131 mm	-	131 mm	131 mm	131 mm	131 mm
Weight/Miscellaneous									
Serving Weight (Depending on type of engine, gearbox etc.)	1503 kg / 1641 kg	1503 kg / 1641 kg	1503 kg / 1641 kg	1503 kg / 1641 kg	1503 kg / 1641 kg	1503 kg / 1641 kg	1503 kg / 1641 kg	1503 kg / 1641 kg	1503 kg / 1641 kg
Total Weight (Depending on type of engine, gearbox etc.)	- / 2050kg	- / 2050kg	- / 2050kg	- / 2050kg	- / 2050kg	- / 2050kg	- / 2050kg	- / 2050kg	- / 2050kg
Max trailer weight, Unbraked (Max)	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg
Max trailer weight, Braked (Max)	1600 kg	1600 kg	1600 kg	1600 kg	1600 kg	1600 kg	1600 kg	1600 kg	1600 kg
Fuel tank, Petrol	70 l	70 l	70 l	70 l	72 l	70 l	-	-	-
Fuel tank, Diesel	-	-	-	-	-	-	70 l	70 l	70 l
Aerodynamics, (Cd)	0.28	0.28	0.28	0.28	0.3	0.28	0.28	0.28	0.28
Aerodynamics, (Frontal area)	2,19 m²	2,19 m²	2,19 m²	2,19 m²	2,21 m²	2,19 m²	2,19 m²	2,19 m²	2,19 m²
Max roof load	100 kg	100 kg	100 kg	100 kg	100 kg	100 kg	100 kg	100 kg	100 kg
Interior Measurements									
Headroom with sunroof (front/rear)	987 mm / 962 mm	987 mm / 962 mm	987 mm / 962 mm	987 mm / 962 mm	987 mm / 962 mm	987 mm / 962 mm	987 mm / 962 mm	987 mm / 962 mm	987 mm / 962 mm
Headroom without sunroof (front/rear)	984 mm / 962 mm	984 mm / 962 mm	984 mm / 962 mm	984 mm / 962 mm	984 mm / 962 mm	984 mm / 962 mm	984 mm / 962 mm	984 mm / 962 mm	984 mm / 962 mm
Passenger compartment width at shoulder height (front/rear)	1427 mm / 1409 mm	1427 mm / 1409 mm	1427 mm / 1409 mm	1427 mm / 1409 mm	1427 mm / 1409 mm	1427 mm / 1409 mm	1427 mm / 1409 mm	1427 mm / 1409 mm	1427 mm / 1409 mm
Leg room (front/rear)	1074 mm / 798 mm	1074 mm / 798 mm	1074 mm / 798 mm	1074 mm / 798 mm	1074 mm / 798 mm	1074 mm / 798 mm	1074 mm / 798 mm	1074 mm / 798 mm	1074 mm / 798 mm
Hip room (front/rear)	1245 mm / 1401 mm	1245 mm / 1401 mm	1245 mm / 1401 mm	1245 mm / 1401 mm	1245 mm / 1401 mm	1245 mm / 1401 mm	1245 mm / 1401 mm	1245 mm / 1401 mm	1245 mm / 1401 mm
Luggage volume. 1/3 of the second seat folded (load height limited to the upper edge of the front seat back)	578 l	578 l	578 l	578 l	578 l	578 l	578 l	578 l	578 l
Second seat folded (load height limited to the upper edge of the front seat back)	808 l	808 l	808 l	808 l	808 l	808 l	808 l	808 l	808 l
Second seat + right front seat folded (Load height as above except for the "front seat" volume, which is the lower edge of the front door window)	1034 l	1034 l	1034 l	1034 l	1034 l	1034 l	1034 l	1034 l	1034 l
Cargo length at floor from the back of the front seatback	1661 mm	1661 mm	1661 mm	1661 mm	1661 mm	1661 mm	1661 mm	1661 mm	1661 mm
Cargo length at floor from the back of the rear seatback	824 mm	824 mm	824 mm	824 mm	824 mm	824 mm	824 mm	824 mm	824 mm
Loading height between cargo floor and parcel shelf	440 mm	440 mm	440 mm	440 mm	440 mm	440 mm	440 mm	440 mm	440 mm
Liftover height at curb weight	511 mm	511 mm	511 mm	511 mm	511 mm	511 mm	511 mm	511 mm	511 mm
Distance between wheelhouses	1140 mm	1140 mm	1140 mm	1140 mm	1140 mm	1140 mm	1140 mm	1140 mm	1140 mm
Chassis									
Suspension front	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Suspension rear	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Steering	Power Assisted Rack and Pinion Steering	Power Assisted Rack and Pinion Steering	Power Assisted Rack and Pinion Steering	Power Assisted Rack and Pinion Steering	Power Assisted Rack and Pinion Steering	Power Assisted Rack and Pinion Steering	Power Assisted Rack and Pinion Steering	Power Assisted Rack and Pinion Steering	Power Assisted Rack and Pinion Steering
Steering (angle/angle)	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
Turning circle (Curb to curb)	10,8 - 11,8 m	10,8 - 11,8 m	10,8 - 11,8 m	10,8 - 11,8 m	10,8 - 11,8 m	10,8 - 11,8 m	10,8 - 11,8 m	10,8 - 11,8 m	10,8 - 11,8 m
Turns of steering wheel end to end	3,0 - 2,8	3,0 - 2,8	3,0 - 2,8	3,0 - 2,8	3,0 - 2,8	3,0 - 2,8	3,0 - 2,8	3,0 - 2,8	3,0 - 2,8
Braking system	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)
Brake disc diameter (front) (15"/16",16,5")	286 mm / 305 mm / 316 mm	286 mm / 305 mm / 316 mm	286 mm / 305 mm / 316 mm	286 mm / 305 mm / 316 mm	286 mm / 305 mm / 316 mm	286 mm / 305 mm / 316 mm	286 mm / 305 mm / 316 mm	286 mm / 305 mm / 316 mm	286 mm / 305 mm / 316 mm
Brake disc diameter (rear) (15"/16",16,5")	288 mm / 288 mm / 288 mm	288 mm / 288 mm / 288 mm	288 mm / 288 mm / 288 mm	288 mm / 288 mm / 288 mm	288 mm / 288 mm / 288 mm	288 mm / 288 mm / 288 mm	288 mm / 288 mm / 288 mm	288 mm / 288 mm / 288 mm	288 mm / 288 mm / 288 mm
Brake disc thickness (front) (15"/16",16,5")	26 mm / 28 mm / 28 mm	26 mm / 28 mm / 28 mm	26 mm / 28 mm / 28 mm	26 mm / 28 mm / 28 mm	26 mm / 28 mm / 28 mm	26 mm / 28 mm / 28 mm	26 mm / 28 mm / 28 mm	26 mm / 28 mm / 28 mm	26 mm / 28 mm / 28 mm
Brake disc thickness (rear) (15"/16",16,5")	12 mm / 12 mm / 12 mm	12 mm / 12 mm / 12 mm	12 mm / 12 mm / 12 mm	12 mm / 12 mm / 12 mm	12 mm / 12 mm / 12 mm	12 mm / 12 mm / 12 mm	12 mm / 12 mm / 12 mm	12 mm / 12 mm / 12 mm	12 mm / 12 mm / 12 mm
Braking distance 100-0 km/h	42 m	42 m	42 m	42 m	42 m	42 m	42 m	42 m	42 m