2022 Volvo S60 Specifications

Engine

	B3 (163 hp) aut	B4 (197 hp) aut	B5 (250 hp) aut	B5 AWD (250 hp) aut	Recharge T6 AWD (340 hp) aut	Recharge T8 AWD (390 hp) aut	Polestar Engineered (405 hp) aut
Engines	B420T3	B420T6	B420T2	B420T2	B4204T46	B4204T34	B4204T48
Type	In-line, 4 cyl. turbocharged	In-line, 4 cyl. turbocharged	In-line, 4 cyl. turbocharged	In-line, 4 cyl. turbocharged	In-line, 4 cyl. supercharged and turbocharged	In-line, 4 cyl. supercharged and turbocharged	In-line, 4 cyl. supercharged and turbocharged
Configuration	FWD	FWD	FWD	AWD	AWD	AWD	AWD
Displacement	1969 cm³	1969 cm³	1969 cm³	1969 cm³	1969 cm³	1969 cm³	1969 cm³
Bore	82,0 mm	82,0 mm	82,0 mm	82,0 mm	82,0 mm	82,0 mm	82,0 mm
Stroke	93,2 mm	93,2 mm	93,2 mm	93,2 mm	93,2 mm	93,2 mm	93,2 mm
Engine cylinder block material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Cylinder head material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Compression ratio	10,5:1	10,5:1	10,5:1	10,5:1	10,3:1	10,3:1	10,3:1
Valves, no/cylinder	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.
Camshafts	2 ea.	2 ea.	2 ea.	2 ea.	2 ea.	2 ea.	2 ea.
Engine management system	Gasoline direct injection	Gasoline direct injection	Gasoline direct injection	Gasoline direct injection	Gasoline direct injection	Gasoline direct injection	Gasoline direct injection
Ignition sequence	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2
Engine idling speed	800 rpm ± 50	800 rpm ± 50	800 rpm ± 50	800 rpm ± 50	850 rpm ± 50	850 rpm ± 50	850 rpm ± 50
Fuel, rec. Octane	95 - 98 RON	95 - 98 RON	95 - 98 RON	95 - 98 RON	95 - 98 RON	95 - 98 RON	95 - 98 RON
Max engine speed	6200 rpm	6200 rpm	6200 rpm	6200 rpm	6000 rpm	6000 rpm	6000 rpm
Max output	120 kW (163 hp) / 4800 rpm	145 kW (197 hp) / 4800 - 5400 rpm	184 kW (250 hp) / 5400 - 5700 rpm	184 kW (250 hp) / 5400 - 5700 rpm	186 kW (253 hp) / 5500 rpm	223 kW (303 hp) / 6000 rpm	233 kW (318 hp) / 5800 - 6100 rpm
Max torque	265 / 25 - 65 Nm / rps	300 / 25 - 70 Nm / rps	350 / 30 - 80 Nm / rps	350 / 30 - 80 Nm / rps	350 / 28 - 83 Nm / rps	400 / 37 - 80 Nm / rps	430 / 75 Nm / rps
Battery type	-	-	-	-	Lithium-ion battery	Lithium-ion battery	Lithium-ion battery
Battery content, total amount of energy (kWh)	-	-	-	-	11,6	11,6	11,6
Battery charging time***, at 16A / 10A / 6A fuse (hours) [1]	-	-	-	-	3,0 / 4,0 / 8,0	3,0 / 4,0 / 8,0	3,0 / 4,0 / 8,0
Battery placement	-	-	-	-	Centrally in the tunnel of the car	Centrally in the tunnel of the car	Centrally in the tunnel of the car
Electrical motor max power (kW)	10 kW	10 kW	10 kW	10 kW	65 kW	65 kW	65 kW
Electrical motor max torque (Nm)	40 Nm	40 Nm	40 Nm	40 Nm	240 Nm	240 Nm	240 Nm
Driveline max power (kW)	-	-	-	-	65 kW + 186 kW** [2]	65 kW + 223 kW** [2]	65 kW + 233 kW** [2]
Driveline max torque (Nm)	-	-	-	-	240 Nm + 350 Nm** [2]	240 Nm + 400 Nm** [2]	240 Nm + 430 Nm** [2]

[1] *** Up to

[2] **) Up to

Transmissions

	B3 (163 hp) aut	B4 (197 hp) aut	B5 (250 hp) aut	B5 AWD (250 hp) aut	Recharge T6 AWD (340 hp) aut	Recharge T8 AWD (390 hp) aut	Polestar Engineered (405 hp) aut
Transmissions	AWF8G45	AWF8G45	AWF8G45	-	-	-	-
First Gear	5,057	5,057	5,057	-	-	-	-
Second Gear	3,070	3,070	3,070	-	-	-	-
Third Gear	2,050	2,050	2,050	-	-	-	-
Fourth Gear	1,520	1,520	1,520	-	-	-	-
Fifth Gear	1,262	1,262	1,262	-	-	-	-
Sixth Gear	1,000	1,000	1,000	-	-	-	-
Seventh Gear	0,792	0,792	0,792	-	-	-	-
Eighth Gear	0,661	0,661	0,661	-	-	-	-
Reverse Gear	3,992	3,992	3,992	-	-	-	-
Automatic Gearbox/final drive	3,075	3,075	3,075	-	-	-	-
Transmissions (AWD)	-	-	-	AWF8G45	AW TG-81SD	AW TG-81SD	AW TG-81SD
First Gear (AWD)	-	-	-	5,057	5,250	5,250	5,250
Second Gear (AWD)	-	-	-	3,070	3,029	3,029	3,029
Third Gear (AWD)	-	-	-	2,050	1,950	1,950	1,950
Fourth Gear (AWD)	-	-	-	1,520	1,457	1,457	1,457
Fifth Gear (AWD)	-	-	-	1,262	1,221	1,221	1,221
Sixth Gear (AWD)	-	-	-	1,000	1,000	1,000	1,000
Seventh Gear (AWD)	-	-	-	0,792	0,809	0,809	0,809
Eighth Gear (AWD)	-	-	-	0,661	0,673	0,673	0,673
Reverse Gear (AWD)	-	-	-	3,992	4,015	4,015	4,015
Automatic Gearbox / final drive (AWD)	-	-	-	3,075	3,075	3,075	3,075

Performance

	B3 (163 hp) aut	B4 (197 hp) aut	B5 (250 hp) aut	B5 AWD (250 hp) aut	Recharge T6 AWD (340 hp) aut	Recharge T8 AWD (390 hp) aut	Polestar Engineered (405 hp) aut
Performance	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Gearbox	AWF8G45	AWF8G45	AWF8G45	AWF8G45	AW TG-81SD	AW TG-81SD	AW TG-81SD
Acceleration, 0-100 km/h, sec	9,0 sec	7,9 sec	6,7 sec	6,5 sec	5,2 sec	4,6 sec	4,4 sec
Top speed, km/h	180 km/h	180 km/h	180 km/h	180 km/h	180 km/h	180 km/h	180 km/h
Tyre class A Combined, NEDC*, l/100 km / CO_2 g/km [1]	6,1 l/100 km / 138 g/km	6,2 l/100 km / 142 g/km	6,4 l/100 km / 144 g/km	6,6 l/100 km / 149 g/km	1,5 l/100 km / 34 g/km	1,5 l/100 km / 34 g/km	1,7 l/100 km / 37 g/km
Tyre class B Combined, NEDC*, l/100 km / CO_2 g/km [1]	6,2 l/100 km / 141 g/km	6,4 l/100 km / 145 g/km	6,5 l/100 km / 147 g/km	6,7 l/100 km / 152 g/km	-	-	1,8 l/100 km / 40 g/km
Tyre class C Combined, NEDC*, l/100 km / CO_2 g/km [1]	-	-	-	-	-	-	1,9 l/100 km / 42 g/km
WLTP Combined l/100 km / CO_2 g/km	6,3 - 7,2 l/100 km / 150 - 171 g/km	6,3 - 7,0 l/100 km / 150 - 166 g/km	6,5 - 7,3 l/100 km / 154-172 g/km	6,7 - 7,4 l/100 km / 159-175g/km	1,8 - 2,0 l/100 km / 40 - 46 g/km	1,7 - 2,0 l/100 km / 37 - 46 g/km	1,7 - 2,5 l/100 km / 39 - 56 g/km
Electric Range, NEDC* [2]	-	-	-	-	59 km	59 km	55 km / 53 km / 51 km
Electric Range [EAER] WLTP, Comb.	-	-	-	-	56 km - 50 km	56 km - 50 km	60 km - 55 km

[1] * NEDC figures correlated from WLTP based testing

[2] WLTP PHEV nomenclature: Combined refer to the combined value of all phases in WLTP, City refer to the first two phases of WLTP, low and medium, Weighted refer the calculated result for both petrol and electric drivetrain, EAER = Equivalent all-electric range.

Measurements and Volumes

	B3 (163 hp) aut	B4 (197 hp) aut	B5 (250 hp) aut	B5 AWD (250 hp) aut	Recharge T6 AWD (340 hp) aut	Recharge T8 AWD (390 hp) aut	Polestar Engineered (405 hp) aut
Length	4761 mm	4761 mm	4761 mm	4761 mm	4761 mm	4761 mm	4761 mm
Width (Body width)	1850 mm	1850 mm	1850 mm	1850 mm	1850 mm	1850 mm	1850 mm
Width (Including mirrors, folded)	1916 mm	1916 mm	1916 mm	1916 mm	1916 mm	1916 mm	1916 mm
Width (Including mirrors, outer edge)	2040 mm	2040 mm	2040 mm	2040 mm	2040 mm	2040 mm	2040 mm
Height (Including shark fen)(at curb weight + 1 person)	1431 mm	1431 mm	1431 mm	1431 mm	1431 mm	1431 mm	1431 mm
Wheelbase	2872 mm	2872 mm	2872 mm	2872 mm	2872 mm	2872 mm	2872 mm
Track, front (17" / 18"-19" / 20")	1603 mm / 1600 mm / 1593 mm	1603 mm / 1600 mm / 1593 mm	1603 mm / 1600 mm / 1593 mm	1603 mm / 1600 mm / 1593 mm	1603 mm / 1600 mm / 1593 mm	1603 mm / 1600 mm / 1593 mm	1603 mm / 1600 mm / 1593 mm
Track, rear (17" / 18"-19" / 20")	1603 mm / 1600 mm / 1593 mm	1603 mm / 1600 mm / 1593 mm	1603 mm / 1600 mm / 1593 mm	1603 mm / 1600 mm / 1593 mm	1603 mm / 1600 mm / 1593 mm	1603 mm / 1600 mm / 1593 mm	1603 mm / 1600 mm / 1593 mm
Ground clearance (at curb weight + 1 person)	142 mm	142 mm	142 mm	142 mm	142 mm	142 mm	142 mm

Weight/Miscellaneous

	B3 (163 hp) aut	B4 (197 hp) aut	B5 (250 hp) aut	B5 AWD (250 hp) aut	Recharge T6 AWD (340 hp) aut	Recharge T8 AWD (390 hp) aut	Polestar Engineered (405 hp) aut
Weight (Depending on type of engine, gearbox etc.)	1735 kg - 2052kg	1735 kg - 2052kg	1735 kg - 2052kg	1735 kg - 2052kg	1735 kg - 2052kg	1735 kg - 2052kg	1735 kg - 2052kg
Total Weight (Depending on type of engine, gearbox etc.)	2230 kg - 2500 kg	2230 kg - 2500 kg	2230 kg - 2500 kg	2230 kg - 2500 kg	2230 kg - 2500 kg	2230 kg - 2500 kg	2230 kg - 2500 kg
Max trailer weight, Unbraked (Max)	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg
Max trailer weight, Braked (Max)	1800 kg	1800 kg	1800 kg	1800 kg	2000 kg	2000 kg	2000 kg
Fuel tank, Petrol	60 l	60 l	60 l	60 l	60 l	60 l	60 l
Aerodynamics, (Cd)	0,27	0,27	0,27	0,27	0,27	0,27	0,27
Aerodynamics, (Frontal area)	2,22 m²	2,22 m²	2,22 m²	2,22 m²	2,22 m²	2,22 m²	2,22 m²
Max roof load	75 kg	75 kg	75 kg	75 kg	75 kg	75 kg	75 kg

Interior Measurements

	B3 (163 hp) aut	B4 (197 hp) aut	B5 (250 hp) aut	B5 AWD (250 hp) aut	Recharge T6 AWD (340 hp) aut	Recharge T8 AWD (390 hp) aut	Polestar Engineered (405 hp) aut
Headroom with panoramic roof (front/rear)	949 mm / 945 mm	949 mm / 945 mm	949 mm / 945 mm	949 mm / 945 mm	949 mm / 945 mm	949 mm / 945 mm	949 mm / 945 mm
Headroom without panoramic roof(front/rear)	976 mm / 945 mm	976 mm / 945 mm	976 mm / 945 mm	976 mm / 945 mm	976 mm / 945 mm	976 mm / 945 mm	976 mm / 945 mm
Headroom maximum, with panoramic roof (front)	994 mm	994 mm	994 mm	994 mm	994 mm	994 mm	994 mm
Headroom without panoramic roof maximum (front)	1019 mm	1019 mm	1019 mm	1019 mm	1019 mm	1019 mm	1019 mm
Passenger compartment width at shoulder height (front/rear)	1425 mm / 1384 mm	1425 mm / 1384 mm	1425 mm / 1384 mm	1425 mm / 1384 mm	1425 mm / 1384 mm	1425 mm / 1384 mm	1425 mm / 1384 mm
Leg room (front/rear)	1074 mm / 895 mm	1074 mm / 895 mm	1074 mm / 895 mm	1074 mm / 895 mm	1074 mm / 895 mm	1074 mm / 895 mm	1074 mm / 895 mm
Hip room (front/rear)	1404 mm / 1356 mm	1404 mm / 1356 mm	1404 mm / 1356 mm	1404 mm / 1356 mm	1404 mm / 1356 mm	1404 mm / 1356 mm	1404 mm / 1356 mm
Closed Luggage Compartment - Second (V210-2) (Total (including V209)) low load floor	427 l	427 l	427 l	427 l	-	-	-
Closed Luggage Compartment - Second (V210-2) (Total (including V209)) high load floor	-	-	-	-	391 l	391 l	391 l
Separate Storage Areas in Luggage Compartment (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) (V209) - low load floor rep kit (B420T3, B420T6, B420T2, B420T)	18 l	18 l	18 l	18 l	-	-	-
Separate Storage Areas in Luggage Compartment (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) (V209) - high load floor spare wheel (B420T3, B420T6, B420T2, B420T)	3 l / 2 l	3 l / 2 l	3 l / 2 l	3 l / 2 l	3 l / 2 l	3 l / 2 l	3 l / 2 l
Cargo length from the first seatback to the tailgate measured at the height of the floor covering (L212-1)	1797 mm	1797 mm	1797 mm	1797 mm	1797 mm	1797 mm	1797 mm
Cargo length from the second seatback to the tailgate measured at the height of the floor covering (L212-2)	1005 mm	1005 mm	1005 mm	1005 mm	1005 mm	1005 mm	1005 mm
Lift over height (H196)	660 mm	660 mm	660 mm	660 mm	660 mm	660 mm	660 mm
Rear opening height (H202)	384 mm	384 mm	384 mm	384 mm	384 mm	384 mm	384 mm
Loading height between cargo floor and parcel shelf (H212)	485 mm	485 mm	485 mm	485 mm	485 mm	485 mm	485 mm
Cargo floor height to ground (H253)	554 mm	554 mm	554 mm	554 mm	554 mm	554 mm	554 mm
Width of luggage compartment between wheelhouses (W202)	996 mm	996 mm	996 mm	996 mm	996 mm	996 mm	996 mm
Rear opening width at floor, min. (W207)	867 mm	867 mm	867 mm	867 mm	867 mm	867 mm	867 mm

Chassis

	B3 (163 hp) aut	B4 (197 hp) aut	B5 (250 hp) aut	B5 AWD (250 hp) aut	Recharge T6 AWD (340 hp) aut	Recharge T8 AWD (390 hp) aut	Polestar Engineered (405 hp) aut
Suspension front	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	Double wishbone suspension, stabilizer bar, Öhlins adjustable shock absorbers with patented Dual Flow Valve (DFV) and performance tuned coil springs with increased spring rate.
Suspension rear	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar	Integral axle with stabilizer bar, Öhlins adjustable shock absorbers with patented Dual Flow Valve (DFV) and performance tuned transverse composite leaf spring with increased spring rate.
Steering	Electric Power Assisted Rack and Pinion Steering	Electric Power Assisted Rack and Pinion Steering	Electric Power Assisted Rack and Pinion Steering	Electric Power Assisted Rack and Pinion Steering	Electric Power Assisted Rack and Pinion Steering	Electric Power Assisted Rack and Pinion Steering	Electric Power Assisted Rack and Pinion Steering
Steering ratio (angle/angle)	16,2	16,2	16,2	16,2	16,2	16,2	16,2
Turning circle (Curb to curb) (Rim size: 16"-17" / 18"-19" / 20")	11,0 m / 11,3 m / 11,7 m	11,0 m / 11,3 m / 11,7 m	11,0 m / 11,3 m / 11,7 m	11,0 m / 11,3 m / 11,7 m	11,0 m / 11,3 m / 11,7 m	11,0 m / 11,3 m / 11,7 m	11,0 m / 11,3 m / 11,7 m
Turning circle (Wall to wall) (Rim size: 16"-17" / 18"-19" / 20")	11,4 m / 11,7 m / 12,1 m	11,4 m / 11,7 m / 12,1 m	11,4 m / 11,7 m / 12,1 m	11,4 m / 11,7 m / 12,1 m	11,4 m / 11,7 m / 12,1 m	11,4 m / 11,7 m / 12,1 m	11,4 m / 11,7 m / 12,1 m
Turns of steering wheel end to end	3	3	3	3	3	3	3
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)	19" Polestar Engineered/ Brembo front brakes with 6 piston fixed monobloc aluminium calipers, 371x32mm ventilated, floating and slotted discs and high-performance brake pads. Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA).
Brake disc diameter (front) (Brake: 16" / 17" / 18" / 19")	296 mm / 322 mm / 345 mm / 371 mm	296 mm / 322 mm / 345 mm / 371 mm	296 mm / 322 mm / 345 mm / 371 mm	296 mm / 322 mm / 345 mm / 371 mm	296 mm / 322 mm / 345 mm / 371 mm	296 mm / 322 mm / 345 mm / 371 mm	296 mm / 322 mm / 345 mm / 371 mm
Brake disc diameter (rear) (Brake: 16" / 17")	302 mm / 320 mm	302 mm / 320 mm	302 mm / 320 mm	302 mm / 320 mm	302 mm / 320 mm	302 mm / 320 mm	302 mm / 320 mm
Brake disc thickness (front) (Brake: 16" + 17" / 18" / 19")	28 mm / 30 mm / 32 mm	28 mm / 30 mm / 32 mm	28 mm / 30 mm / 32 mm	28 mm / 30 mm / 32 mm	28 mm / 30 mm / 32 mm	28 mm / 30 mm / 32 mm	28 mm / 30 mm / 32 mm
Brake disc thickness (rear) (Brake: 16" / 17")	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm
Braking distance 100-0 km/h	35 m	35 m	35 m	35 m	35 m	35 m	35 m