

Volvo XC60

Engines			B5 AWD (B420T11)		T6 AWD Longe -range PHEV (B420T18)		T8 AWD Longe -range PHEV (B420T16)	
Type			In-line 4-cyl. turbocharged		In-line, 4 cyl. Turbocharged with e-boost		In-line, 4 cyl. Turbocharged with e-boost	
Configuration			Transverse, all wheel drive		Transverse, front wheel drive, rear electric motor		Transverse, front wheel drive, rear electric motor	
Displacement, cm ³			1969		1969		1969	
Bore (mm)			82.0		82.0		82.0	
Stroke (mm)			93.2		93.2		93.2	
Engine cylinder block material			Aluminium		Aluminium		Aluminium	
Cylinder head material			Aluminium		Aluminium		Aluminium	
Compression ratio			11.5:1		11.5:1		11.5:1	
Valves, no/cylinder			4		4		4	
Camshafts			2		2		2	
Engine management system			Gasoline direct injection		Gasoline direct injection		Gasoline direct injection	
Ignition sequence			1 - 3 - 4 - 2		1 - 3 - 4 - 2		1 - 3 - 4 - 2	
Engine idling speed, rpm			800 ± 75		850 ± 50		850 ± 50	
Fuel, rec. octane			95 - 98 RON		95 – 98 RON		95 – 98 RON	
Max output, kW (hp)/rpm			184 (250) / 5400 - 5700		132 (180) / 4500 - 6000		184 (250) / 5400 - 5700	
Max torque, Nm/rpm			360 / 2000 - 4500		280 / 1800 - 4500		360 / 2000 - 4500	
Electrical motor max power (kW/rpm)			10 / 3300		130 / 4500 - 10000		130 / 4500 - 10000	
Electrical motor max power (hp/rpm)			14 / 3300		177 / 4500 - 10000		177 / 4500 - 10000	
Electrical motor max torque (Nm/rpm)			40 / 2250		309 / 0 - 3280		309 / 0 - 3280	
POWER AND TORQUE								
Manual gearbox/final drive			–		–		–	
Automatic gearbox/final drive			AWF8G45 3.329		AW TG-81SD 3.329		AW TG-81SD 3.329	
PERFORMANCE								
Gearbox			Automatic		Automatic		Automatic	
Acceleration, 0 - 100 km/h (sec)			6.9		5.7		4.8	
Top speed, km/h			180		180		180	
FUEL CONSUMPTION (EU)								
WLTP Low l/100 km / CO ₂ g/km			11.0 - 11.9 / 250 - 270					
WLTP Medium l/100 km / CO ₂ g/km			7.1 - 8.3 / 161 - 188					
WLTP High l/100 km / CO ₂ g/km			6.2 - 7.3 / 141 - 165					
WLTP Extra High l/100 km / CO ₂ g/km			7.4 - 9.0 / 169 - 204					
WLTP Combined l/100 km / CO ₂ g/km			7.5 - 8.7 / 169 - 198		1.0 / 23		1.1 / 26	
Total Range, km					1240		1230	
Battery type					Lithium-ion battery		Lithium-ion battery	
Battery content ¹ , total amount of energy (kwh)(Nominal)					41.2		41.2	
Battery content ¹ , total amount of energy (kwh)(Usable)					37.9		37.9	
Battery charging time ² , at 16A / 10A / 6A fuse (hours)					4.0 / 6.0 / 10.0		4.0 / 6.0 / 10.0	
Electric Range (WLTP) (Km) (EAER, Combined)					~200		~189	
System Power (kW)					262		339	
System Torque (ft.lb)					n/a		n/a	
Battery placement					Floor-mounted		Floor-mounted	
					* Time pending on e.g. ambient temp ** Only electric driving according to governmental regulations for PHEV *** In "Hybrid"-, "Power"- and "EL-AWD"-mode		* Time pending on e.g. ambient temp ** Only electric driving according to governmental regulations for PHEV *** In "Hybrid"-, "Power"- and "EL-AWD"-mode	

CHASSIS		
Suspension	front	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers
	rear	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension and Active shock absorbers
Steering		Electric Power Assisted Rack and Pinion Steering
Turning circle		11.4 m (curb to curb) 11.8 m (wall to wall)
Braking system		Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)
Braking distance, 100 – 0 km/h		35 m
Brake disc diameter	front	322 mm / 345 mm (Brake: 17" / 18")
	rear	302 mm / 320 mm / 360 mm (Brake: 16" / 17" / 18")
Brake disc thickness	front	28 mm / 30 mm (Brake: 17" / 18")
	rear	12 mm / 20 mm (Brake: 16" / 17" & 18")

MEASUREMENTS AND VOLUMES

EXTERIOR MEASUREMENTS (CM)

Length (L103)	470.8
Width (body width) (W116)	190.2
Width (body width, wheel arch ext. Rim size 21") (W103)	191.5
Width (body width, wheel arch ext. Rim size 22") (W103)	193.9
Width (mirrors folded) (W145)	199.4
Width (incl. mirrors) (W144)	211.7
Height (at curb weight) (incl. shark fin) (all/B420T16 & B420T18) (H101)	166.0 / 165.6
Height (incl. shark fin) (all/B420T16 & B420T18) (H101)	165.5 / 165.1
Wheelbase (L101)	286.5
Overhang (front) (L104)	87.8
Overhang (rear) (L105)	96.5
Track, front, (depending on rim size) (W101-1)	164.9 - 167.7
Track, rear, (depending on rim size) (W101-2)	165.3 - 168.1
Ground clearance	20.0 - 20.9

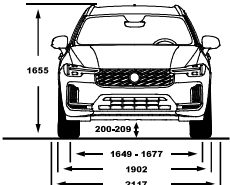
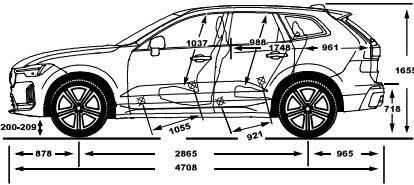
WEIGHTS/MISCELLANEOUS

Weight, kg (min-max, depending on setup) (Curb weight / Mass in Running order)	1835 - 2202 / 1900 - 2272
Fuel tank, l ("B420T16 & 18" / AWD)	68 / 71
Max. trailer weight, kg ("B420T16 & 18" / AWD)	2250 / 2400
Max roof load, kg	100
Approach angle (degr.)	21.2
Breakover angle (degr.)	20.8
Departure angle (degr.)	23.4
Drag coefficient, Cd	0.32

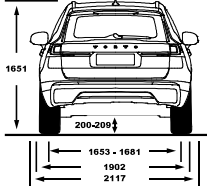
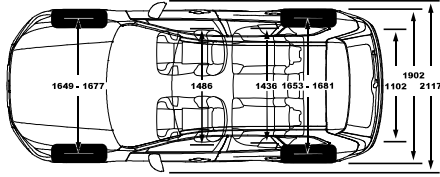
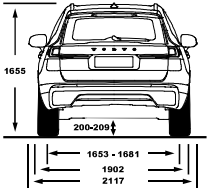
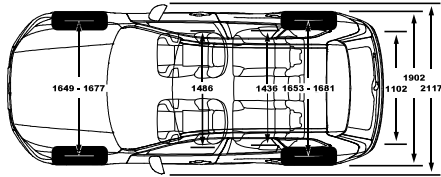
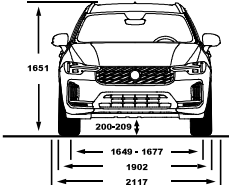
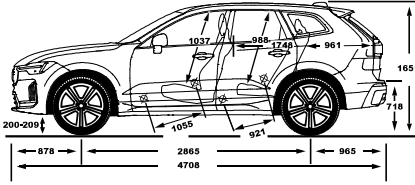
INTERIOR MEASUREMENTS (CM)

Headroom maximum, without panoramic roof (front) (H62-1)	103.7
Headroom maximum, with panoramic roof (front) (H62-1 SR)	100.9
Headroom without panoramic roof (front/rear) (H61-1 / H61-2)	99.4 / 98.8
Headroom with panoramic roof (front/rear) (H61-1 SR / H61-2 SR)	96.5 / 96.6
Passenger compartment width at shoulder height (front / rear) (W3-1 / W3-2)	148.6 / 143.6
Leg room (front/rear) (L34/L51-2)	105.5 / 92.1
Largest Luggage volume - First (V214-1) (including under floor storage, V209) (Largest volume. Load height limited by the head lining. Front limited by vertical plane tangential to the rear side of the front seatback) (litre)	1543 / 1519**
Largest Luggage volume - Second (V214-2) (including under floor storage, V209) (Second seat up. Load height limited by the headlining. Front limited by vertical plane tangential to the rear side of the second seatback) (litre)	613 / 598**
Open Luggage Compartment - First (V211-1) (including under floor storage, V209) (Second seat folded. Load height limited to upper edge of the front seatback or lower edge of the rear window) (litre)	965 / 940**
Open Luggage Compartment - Second (V211-2) (including under floor storage, V209) (Second seat up. Load height limited to the upper edge of the second seatback or second window) (litre)	483 / 468**
Separate Storage Areas in Luggage Compartment (V209) (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area)	
(epk)(sae wheel)(w/out charge side)(w/charge side)(V209)(litre)* included in luggage volumes	28/25/18**/16**/40
Cargo length from the first seatback to the tailgate measured at:	
the height of the floor covering (L212-1)	174.8
the top of the first seatback (L214-1)	161.7
Cargo length from the second seatback to the tailgate measured at:	
the height of the floor covering (L212-2)	96.1
the top of the second seatback (L214-2)	75.1
Cargo floor height to ground (curb weight) (H253)	71.8
Rear opening height car center line (H202)	78.5
Cargo height rear wheel center and car center line (H201)	77.0
Cargo floor width, min. between wheel housings (W201)	110.2
Rear opening width	
upper, min. (W205)	92.5
at floor, min. (W207)	111.8

** B420T16 & B420T18



Twin Engine



TRANSMISSIONS

8-speed automatic gearbox.

Ratio	AW TG-81SD	AWF8G45
First	5.250	5.057
Second	3.029	3.070
Third	1.950	2.050
Fourth	1.457	1.520
Fifth	1.221	1.262
Sixth	1.000	1.000
Seventh	0.809	0.792
Eighth	0.673	0.661
Reverse	4.015	3.992