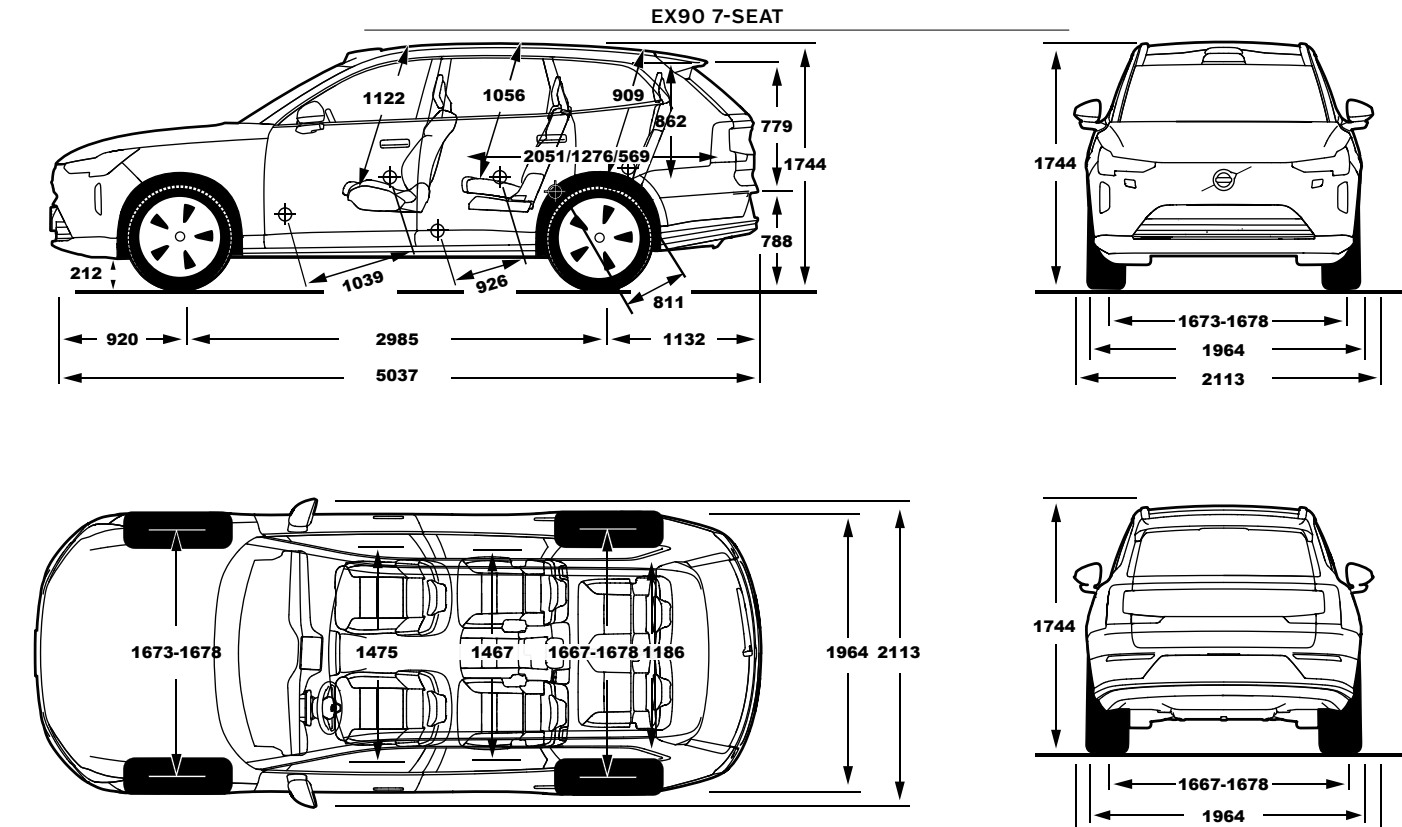


Volvo EX90

ENGINES	Twin Motor Performance (EE)	Twin Motor(EV)	Twin Motor Performance (E2)
Type	Electric motor front / rear	Electric motor front / rear	Electric motor front / rear
Electrical motor max output, kW (hp)/rpm (metric)	380 (517) / n/a	300 (408) / n/a	370 (503) / n/a
Electrical motor max output, kW (hp)/rpm (mechanical)	380 (510) / n/a	300 (402) / n/a	370 (496) / n/a
Max torque, Nm / rpm	910 / n/a	770 / n/a	910 / n/a
Max torque, ft.lbf / rpm	671 / n/a	568 / n/a	671 / n/a
PERFORMANCE			
Acceleration, 0–100 km/h (sec)	4.9	5.9	4.9
Acceleration, 0–60 mph (sec)	4.7	5.7	4.7
Top speed, km/h	180	180	180
Top speed, mph	112	112	112
BATTERY			
Battery content, total amount of energy, (kWh) (Nominal)	111	111	111
Battery content, total amount of energy, (kWh) (Usable)	107	107	107
Battery type	CATL	CATL	CATL
CHARGING			
AC, h (3-PHASE) (16 A / 10 A / 6 A)	11 / 20 / 32	11 / 20 / 32	11 / 20 / 32
AC, h (1-PHASE) (48 A / 32 A / 16 A / 10 A)	11 / 17 / 34 / 57	11 / 17 / 34 / 57	11 / 17 / 34 / 57
DC, min (50 kW) **	97	97	97
DC, min (150 kW) **	n/a	n/a	n/a
DC, min (200 kW) **	32	32	32
DC, min (250 kW) **	30	30	30
** (0-80% loading rate, battery temp 20-35 deg C)			
RANGE			
Electric Range, (WLTP) (Combined)(Km) (EU)	Estimated range of up to ~590	Estimated range of up to ~600	n/a
Electric Range, (CLTC) (Km) (China)	Estimated range of up to ~650	Estimated range of up to ~650	n/a
Electric Range, (EPA) (Miles) (US)	n/a	n/a	Estimated range of up to ~300



MEASUREMENTS AND VOLUMES		
EXTERIOR MEASUREMENTS (CM)		
Length (L103)	503.7	Largest Luggage volume - First
Width (body width) (W116)	196.4	(including under floor storage) (V214-1) up to 1915
Width (W103)	196.4	(Largest volume. Load height limited by the head lining. Front limited by vertical plane tangential to the rear side of the front seatback)
Width (incl mirrors folded) (W144)	211.3	Largest Luggage volume - Second
Width (incl mirrors outer edge) (W145)	203.9	(including under floor storage) (V214-2) up to 1010
Height (at curb weight) (H101)	174.7	(Second seat up. Load height limited by the headlining. Front limited by vertical plane tangential to the rear side of the second seatback)
Height (at curb weight + 1 person) (H101)	174.4	Largest Luggage volume - Third
Wheelbase (L101)	298.5	(including under floor storage) (V214-3) up to 365
Overhang (front) (L104)	92.0	(Third seat up. Load height limited by the headlining. Front limited by vertical plane tangential to the rear side of the third seatback)
Overhang (rear) (L105)	113.2	Open Luggage Compartment - First
Vehicle height with open tailgate/trunklid (at curb weight) (H110)	217.8	(including under floor storage) (V211-1) up to 1040
Track, front (W101-1) (Tire (width): 255/265)	167.3/167.8	(Second seat folded. Load height limited to upper edge of the front seatback or lower edge of the rear window)
Track, front, with air suspension (W101-1) (Tire (width): 255/265)	167.3/167.8	Open Luggage Compartment - Second
Track, rear (W101-2) (Tire (width): 285/295)	166.7/167.8	(including under floor storage) (V211-2) up to 655
Track, rear, with air suspension (W101-2) (Tire (width): 285/295)	166.7/167.8	(Second seat up. Load height limited to the upper edge of the second seatback or second window)
Ground clearance Standard (at curb weight) (255/265) (H157)	21.2/21.5	Open Luggage Compartment - Third
Ground clearance with air suspension (at curb weight) (255/265) (H157)	20.5/21.0	(including under floor storage) (V211-3) up to 310
Ground clearance Standard (at curb weight + 1 person) (255/265) (H157)	20.8/21.2	(Third seat up. Load height limited to the upper edge of the third seatback or second window)
Wading capability* at walking speed (at curb weight)	450.0	Separate Storage Areas in Luggage Compartment (V209) up to 65
* Up to a depth approximately level with the floor at walking speed		(Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area)
		Frunk volume, W/O warning triangle (incl TMK) / With warning triangle (incl TMK) (litres) 37/34
Weight, kg (min–max, depending on setup)	~2818*	Cargo length from the first seatback to the tailgate measured at:
Max. trailer weight, kg	2200	the height of the floor covering (L212-1) 205.1
Max roof load, kg	100	the top of the first seatback (L214-1) 191.1
Approach angle (degr.) (A116-1)	19.3	Cargo length from the second seatback to the tailgate measured at:
Breakover angle (degr.) (A117)	18.2	the height of the floor covering (L212-2) 127.6
Departure angle (degr.) (A116-2)	21.0	the top of the second seatback (L214-2) 109.0
Drag coefficient, Cd	Down to 0.29	Cargo length from the third seatback to the tailgate measured at:
* Depending on setup		the height of the floor covering (L212-3) 56.9
		the top of the third seatback (L214-3) 37.8
		Cargo floor height to ground (curb weight) (H253) 78.8
		Rear opening height car center line (H202) 77.9
		Cargo height rear wheel center and car center line (H201) 86.2
		Cargo floor width, min. between wheel housings (W202) 1130
		Rear opening width
		upper, min. (W205) 94.9
		at floor, min. (W207) 113.8

CHASSIS				
Suspension	front	Double Wishbone Suspension, Hydraulic Shock Absorbers, Stabilizer Bar, Dual Chamber Air Suspension		
	rear	Integral link Suspension, Hydraulic Shock Absorbers, Stabilizer Bar, Dual Chamber Air Suspension		
Steering	Electric Power Assisted Rack and Pinion Steering			
Turning circle, m	11.8 m (curb to curb) (tire 255/295)		12.2 m (wall to wall) (tire 255/295)	
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 dimensions (Brake diameter 20")	front	400 mm	rear	390 mm
Brake disc dimensions (Brake thickness 20")	front	38 mm	rear	25 mm