

Volvo EX30

CONT'D VOLVO EX30 →

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ENGINES

	Twin Motor Performance (EK)	Single Motor Extended Range (EL)	Single Motor (EM)
Type	Electric motor, front and rear	Electric motor, rear	Electric motor, rear
Electrical motor max output, kW (hp)/rpm (metric)	315 (428) / 5375 - 9536	200 (272) / 5375 - 9248	200 (272) / 5375 - 9248
Electrical motor max output, kW (hp)/rpm (mechanical)	315 (422) / 5375 - 9536	200 (268) / 5375 - 9248	200 (268) / 5375 - 9248
Max torque, Nm / rpm	543 / 112 - 5475	343 / 116 - 5375	343 / 116 - 5375
Max torque, ft.lbf / rpm	400 / 112 - 5475	253 / 116 - 5375	253 / 116 - 5375

PERFORMANCE

Acceleration, 0–100 km/h (sec)	3.6	5.3	5.7
Acceleration, 0–60 mph (sec)	3.4	5.1	5.4
Top speed, km/h	180	180	180
Top speed, mph	112	112	112

BATTERY

Battery content, total amount of energy, (kWh) (Nominal)	69	69	51
Battery content, total amount of energy, (kWh) (Usable)	64	64	49
Battery type	NMC*	NMC*	LFP**

*Lithium Nickel Manganese Cobalt Oxide **Lithium Iron Phosphate

CHARGING

AC, h 11 kW (3-PHASE) (16 A / 10 A) *	7.5 / 12.5	7.5 / 12.5	6.0 / 9.5
AC, h 22 kW (3-PHASE) (32 A / 16 A / 10 A) *	4.0 / 8.0 / 12.5	4.0 / 8.0 / 12.5	- / - / -
AC, h 11 kW (1-PHASE) (32 A / 16 A / 10 A) *	11.5 / 23.5 / 39.5	11.5 / 23.5 / 39.5	9.5 / 18.5 / 28.5
AC, h 22kW (1-PHASE) (32 A / 16 A / 10 A) *	11.5 / 23.5 / 39.5	11.5 / 23.5 / 39.5	- / - / -
DC, min (175 kW) **/****	26.5***/28****	26.5***/28****	26
DC, min (150 kW) **/	n/a	n/a	48
DC, min (50 kW) **	56	56	n/a
DC CHARGING Peak Power (kW)	153	153	134

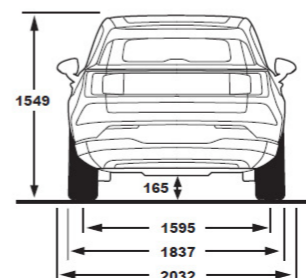
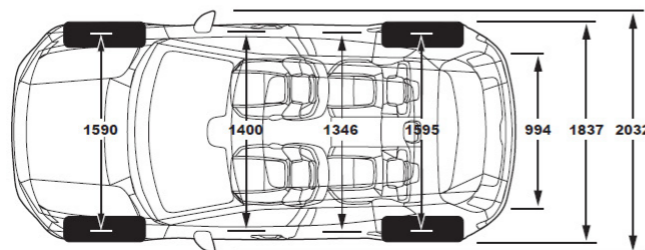
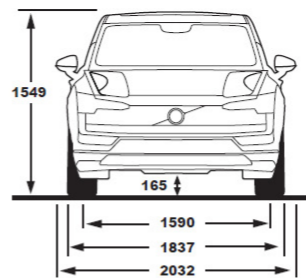
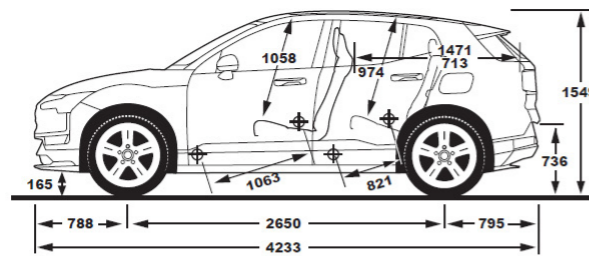
*0-100% / **10-80% loading rate, battery temp 20-35 deg C)

CALB **MC10&19 * RoW

RANGE

Electric Range, (WLTP) (Combined) (Km) (EU)	Estimated range of up to ~460	Estimated range of up to ~480	Estimated range of up to ~344
Electric Range, (CLTC) (Km) (China)	Estimated range of up to ~540	Estimated range of up to ~590	Estimated range of up to ~410
Electric Range, (EPA) (Miles) (US)	Estimated range of up to ~265	Estimated range of up to ~275	Estimated range of up to ~200

EX30



MEASUREMENTS AND VOLUMES EXTERIOR MEASUREMENTS (CM)

Length (L103)	423.3	Largest Luggage Volume - First (V214-1) (including under floor storage, V209)	up to 904
Width (body width) (W116)	183.7	(Largest volume. Load height limited by the head lining. Front limited by vertical plane tangential to the rear side of the front seatback)	
Width (W103)	183.6	Largest Luggage Volume - Second (V214-2) (including under floor storage, V209)	up to 400
Width (incl mirrors folded) (W144)	203.2	(Second seat up. Load height limited by the headlining. Front limited by vertical plane tangential to the rear side of the second seatback)	
Width (incl mirrors outer edge) (W145)	194.0	Open Luggage Compartment - First (V211-1) (including under floor storage, V209)	up to 622
Height (at curb weight) (H101)	155.5	(Second seat folded. Load height limited to upper edge of the front seatback or lower edge of the rear window)	
Height (at curb weight + 1 person) (H101)	154.9	Open Luggage Compartment - Second (V211-2) (including under floor storage, V209)	up to 318
Wheelbase (L101)	265.0	(Second seat up. Load height limited to the upper edge of the second seatback or second window)	up to 234
Overhang (front) (L104)	78.8	Separate Storage Areas in Luggage Compartment (V209)	up to 61
Overhang (rear) (L105)	79.5	(Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area)	
Vehicle height with open tailgate/trunklid (at curb weight) (H110)	186.8	Frunk volume, (litres) (without rep kit and spare wheel)	7
Track, front (W101-1) (Rim size: 18"/19"/20")	159.0	Cargo length from the first seatback to the tailgate measured at:	
Track, rear (W101-2) (Rim size: 18"/19"/20")	159.5	the height of the floor covering (L212-1)	147.1
Ground clearance Standard (at curb weight) (H157)	17.7	the top of the first seatback (L214-1)	135.5
Ground clearance Standard (at curb weight + 1 person) (H157)	16.5	Cargo length from the second seatback to the tailgate measured at:	
Wading capability* at walking speed (at curb weight)	50.0	the height of the floor covering (L212-2)	71.3
		the top of the second seatback (L214-2)	56.6

* Up to a depth approximately level with the floor at walking speed

Weight, kg (min-max, depending on setup)	~1830 - 1963*	Cargo floor height to ground (curb weight) (H253)	73.6
Max. trailer weight, kg (Powertrain "EK" / "EL" / "EM")	1600 / 1400 / 1000	Rear opening height car center line (H202)	58.1
Max roof load, kg	75	Cargo height rear wheel center and car center line (H201)	62.3
Approach angle (degr.) (A116-1)	17.9	Cargo floor width, min. between wheel housings (W201)	99.4
Breakover angle (degr.) (A117)	16.3	Rear opening width	
Departure angle (degr.) (A116-2)	24.5	upper, min. (W205)	89.5
Drag coefficient, Cd	0.28	at floor, min. (W207)	101.9

* Depending on setup

INTERIOR MEASUREMENTS AND VOLUMES (CM)

Headroom maximum, with panoramic sunroof (front) (H62-1 SR)	105.8
Headroom maximum, without panoramic sunroof (front) (H62-1)	102.2
Headroom with panoramic sunroof (front/rear) (H61-1 SR / H61-2 SR)	101.8 / 97.4
Headroom without panoramic sunroof (front/rear) (H61-1 / H61-2)	98.0 / 93.5
Passenger comp width at shoulder height (front/rear) (W3-1 / W3-2)	140.0 / 134.6
Hip room front/rear (front/rear) (W5-1 / W5-2)	137.9 / 117.5
Leg room (front/rear) (L34 / L51-2)	106.3 / 82.1

CHASSIS

Suspension	front	McPherson Suspension, Hydraulic Shock Absorbers, Stabilizer Bar
	rear	5 link Suspension, Hydraulic Shock Absorbers, Stabilizer Bar
Steering		Electric Power Assisted Rack and Pinion Steering
Turning circle, m		10.6 m (curb to curb) 11.0 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		38 m
Brake disc dimensions (front)	RWD 322 mm	AWD 350 mm
Brake disc dimensions (rear)	RWD 320 mm	AWD 333 mm
Brake disc thickness (front)	RWD 28 mm	AWD 30 mm
Brake disc thickness (rear)	RWD 20 mm	AWD 20 mm