

2025 Volvo EX40 Technical Specifications					
	Single Motor	Single Motor	Single motor, Extended range	Twin Motor	Twin performance
ENGINE					
Engines	E400V23	E400V16	E400V8	E400V12	E400V19
Type	Electric motor	Electric motor	Electric motor	Electric motors	Electric motors
Configuration	RWD	RWD	RWD	AWD	AWD
Max output, kW (hp)/rpm	175 kW (238 hp) / 4500 rpm	175 kW (238 hp) / 4000 rpm - 5000 rpm	185 kW (252 hp) / 4300 rpm - 6000 rpm	300 kW (110 kW²+190 kW²) (408 hp (150 hp² + 258 hp²)) / 4200 rpm - 8000 rpm² / 4400 rpm - 6000 rpm²	325 kW (135 kW²+190 kW²) (442 hp (184 hp² + 258 hp²)) / 5200 rpm- 6000 rpm² / 4400 rpm - 6000 rpm²
Max torque, Nm/rps	420 Nm / 0 - 50 rps	420 Nm / 0 - 71 rps	420 Nm / 0 - 72 rps	670 Nm (250 Nm² + 420 Nm²) / 0 - 70 rps² / 0 - 73 rps²	670 Nm (250 Nm² + 420 Nm²) / 0 - 87 rps² / 0 - 73 rps²
Battery type	Lithium-ion battery	Lithium-ion battery	Lithium-ion battery	Lithium-ion battery	Lithium-ion battery
Battery content, total amount of energy (kWh) (Nominal)	70	69	82	82	82
Battery content, total amount of energy (kWh) (Usable)	67	66	79	79	79
BATTERY CHARGING TIME * - DC 50 kW (Charging power) (minutes) / 150 kW (Charging power) (minutes) / 175 kW (Charging power) (minutes) / 200 kW (Charging power) (minutes) †	61 / 27 / 27 / 26	63 / 33 / 33 / 33	68 / 29 / 28 / 28	68 / 29 / 28 / 28	68 / 29 / 28 / 28
BATTERY CHARGING TIME * - AC 3-phase 6 A (Charging power) (hours) / 10 A (Charging power) (hours) / 16 A (Charging power) (hours) †	19 / 11 / 7	20 / 12 / 8	23 / 15 / 8	23 / 15 / 8	23 / 15 / 8
BATTERY CHARGING TIME * - AC 1-phase (200-240V) 6 A (Charging power) (hours) / 10 A (Charging power) (hours) / 16 A (Charging power) (hours) / 32 A (Charging power) (hours) / 48 A (Charging power) (hours) †	54 / 33 / 20 / 10 / 7	58 / 35 / 22 / 11 / 7	76 / 42 / 25 / 13 / 8	76 / 42 / 25 / 13 / 8	76 / 42 / 25 / 13 / 8
Electrical motor max power (kW)	175 kW	175 kW	185 kW	300 kW (110 kW + 190 kW)	325 kW (135 kW + 190 kW)
Electrical motor max torque (Nm)	420 Nm	420 Nm	420 Nm	670 Nm (250 Nm + 420 Nm)	670 Nm (250 Nm + 420 Nm)
* Charging time can vary depending on ambient- and battery temperature, vehicle climatization and other active electric loads in the vehicle † Maximum SOC achievable is dependent on station maximum voltage.					
PERFORMANCE					
Performance	Shift-by-wire	Shift-by-wire	Shift-by-wire	Shift-by-wire	Shift-by-wire
Acceleration, 0-100 km/h	7.3 sec	7.3 sec	7.3 sec	4.8 sec	4.6 sec
Top speed	180 km/h	180 km/h	180 km/h	180 km/h	180 km/h
Electric Range [EAER] WLTP, City.	646 km - 609 km	672 km - 637 km	804 km - 734 km	720 km - 663 km	717 km - 663 km
Electric Range [EAER] WLTP, Comb.	479 km - 435 km	476 km - 435 km	576 km - 520 km	539 km - 485 km	538 km - 485 km
Electric Consumption	17.1 kWh/100 km - 18.7 kWh/100 km	16.6 kWh/100 km - 18.3 kWh/100 km	16.6 kWh/100 km - 18.4 kWh/100 km	17.5 kWh/100 km - 19.4 kWh/100 km	17.6 kWh/100 km - 19.4 kWh/100 km
DIMENSIONS EXTERIOR					
Length (L103)	4440 mm	4440 mm	4440 mm	4440 mm	4440 mm
Wheelbase (L101)	2702 mm	2702 mm	2702 mm	2702 mm	2702 mm
Front Overhang (L104)	870 mm	870 mm	870 mm	870 mm	870 mm
Rear Overhang (L105)	868 mm	868 mm	868 mm	868 mm	868 mm
Height (Including shark fen) (at curb weight) (H101)	1651 mm	1651 mm	1651 mm	1651 mm	1651 mm
Height (Including shark fen) (at curb weight + 1 person) (H101)	1647 mm	1647 mm	1647 mm	1647 mm	1647 mm
Height with open tailgate/trunklid (H110)	2129 mm	2129 mm	2129 mm	2129 mm	2129 mm
Width (Body width) (W103)	1873 mm	1873 mm	1873 mm	1873 mm	1873 mm
Width (mirrors folded) (W145)	1938 mm	1938 mm	1938 mm	1938 mm	1938 mm
Width (Including mirrors, outer edge) (W144)	2034 mm	2034 mm	2034 mm	2034 mm	2034 mm
Width (Body width) (W116)	1863 mm	1863 mm	1863 mm	1863 mm	1863 mm
Track, front (depending on rim size) (W101-1)	1598 mm - 1601 mm	1598 mm - 1601 mm	1598 mm - 1601 mm	1598 mm - 1601 mm	1598 mm - 1601 mm
Track, rear (depending on rim size) (W101-2)	1603 mm - 1608 mm	1603 mm - 1608 mm	1603 mm - 1608 mm	1603 mm - 1608 mm	1603 mm - 1608 mm
DIMENSIONS INTERIOR					
Headroom with panorama roof (front) (Maximum) (H62-1 SR)	997 mm	997 mm	997 mm	997 mm	997 mm
Headroom with panoramic roof (front) (Maximum) (H62-1)	1030 mm	1030 mm	1030 mm	1030 mm	1030 mm
Headroom without panorama roof (front/rear) (H61-1 / H61-2)	991 mm / 994 mm	991 mm / 994 mm	991 mm / 994 mm	991 mm / 994 mm	991 mm / 994 mm
Headroom with panorama roof (front/rear) (H61-1 SR / H61-2 SR)	955 mm / 974 mm	955 mm / 974 mm	955 mm / 974 mm	955 mm / 974 mm	955 mm / 974 mm
Passenger compartment width at shoulder height (front/rear) (W3-1 / W3-2)	1440 mm / 1429 mm	1440 mm / 1429 mm	1440 mm / 1429 mm	1440 mm / 1429 mm	1440 mm / 1429 mm
Leg room (front/rear) (L34 / L51-2)	1040 mm / 917 mm	1040 mm / 917 mm	1040 mm / 917 mm	1040 mm / 917 mm	1040 mm / 917 mm
Hip room (front/rear) (W5-1 / W5-2)	1390 mm / 1388 mm	1390 mm / 1388 mm	1390 mm / 1388 mm	1390 mm / 1388 mm	1390 mm / 1388 mm
GROUND CLEARANCE					
Ground clearance (at curb weight) (H156)	181 mm	181 mm	181 mm	181 mm	181 mm
Ground clearance (at curb weight + 1 person) (H156)	175 mm	175 mm	175 mm	175 mm	175 mm
Approach angle (at curb weight) (A116-1)	20.0 degr	20.0 degr	20.0 degr	20.0 degr	20.0 degr
Breakover angle (at curb weight) (A117)	16.2 degr	16.2 degr	16.2 degr	16.2 degr	16.2 degr
Departure angle (at curb weight) (A116-2)	26.4 degr	26.4 degr	26.4 degr	26.4 degr	26.4 degr
WADING CAPABILITY					
Wading capability depth at curb weight (at walking speed)	450 mm	450 mm	450 mm	450 mm	450 mm
STEERING					
Steering ratio (angle/angle)	15,8	15,8	15,8	15,8	15,8
Turning circle (Curb to curb)	11,4 m	11,4 m	11,4 m	11,4 m	11,4 m
Turning circle (Wall to wall)	11,8 m	11,8 m	11,8 m	11,8 m	11,8 m
Turns of steering wheel end to end	2,7	2,7	2,7	2,7	2,7
CHASSIS AND BRAKES					
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
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
Steering	Electrical Power Assisted Rack	Electrical Power Assisted Rack	Electrical Power Assisted Rack	Electrical Power Assisted Rack	Electrical Power Assisted Rack
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)
Brake disc diameter (front) Brake: 18"	345 mm	345 mm	345 mm	345 mm	345 mm
Brake disc diameter (rear) Brake: 18"	340 mm	340 mm	340 mm	340 mm	340 mm
Brake disc thickness (front) Brake: 18"	30 mm	30 mm	30 mm	30 mm	30 mm
Brake disc thickness (rear) Brake: 18"	20 mm	20 mm	20 mm	20 mm	20 mm
Braking distance 100-0 km/h	36 m	36 m	36 m	36 m	36 m
VOLUMES					
Largest Luggage volume - First (V214-1) (Largest volume. Load height limited by the head lining. Front limited by vertical plane tangential to the rear side of the front seatback) Total (including V209)	1400 l	1400 l	1400 l	1400 l	1400 l
Largest Luggage volume - Second (V214-2) (Second seat up. Load height limited by the headlining. Front limited by vertical plane tangential to the rear side of the front seatback) Total (including V209)	536 l	536 l	536 l	536 l	536 l
Open Luggage Compartment - First (V211-1) (Second seat folded. Load height limited to upper edge of the front seatback or lower edge of the rear window) Total (including V209)	965 l	965 l	965 l	965 l	965 l
Open Luggage Compartment - Second (V211-2) (Second seat up. Load height limited to the upper edge of the second seatback or second window) Total (including V209)	410 l	410 l	410 l	410 l	410 l
Luggage volume, 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)	59 l	59 l	59 l	59 l	59 l
Luggage volume, Separate Storage Areas in Luggage Compartment. (V209-L) (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area)	102 l	102 l	102 l	102 l	102 l
Frunk volume (Front luggage volume) (V216) - E400V6 US / all other	21 l / 31 l	21 l / 31 l	21 l / 31 l	21 l / 31 l	21 l / 31 l
Frunk volume (Front luggage volume) (V216-L)	51 l	51 l	51 l	51 l	51 l
* liquid volume					
LENGTHS					
Cargo length from the first seatback to the tailgate measured at: - the height of the floor covering (L212-1) - the top of the first seatback (L214-1)	1670 mm / 1527 mm	1670 mm / 1527 mm	1670 mm / 1527 mm	1670 mm / 1527 mm	1670 mm / 1527 mm
Cargo length from the second seatback to the tailgate measured at: - the height of the floor covering (L212-2) - the top of the second seatback (L214-2)	887 mm / 676 mm	887 mm / 676 mm	887 mm / 676 mm	887 mm / 676 mm	887 mm / 676 mm
HEIGHT					
Cargo floor height to ground (curb weight) (H253)	755 mm	755 mm	755 mm	755 mm	755 mm
Rear opening height (car center line) (H202)	733 mm	733 mm	733 mm	733 mm	733 mm
Cargo height (rear wheel center and car center line) (H201)	746 mm	746 mm	746 mm	746 mm	746 mm
WIDTHS					
Cargo floor width (between wheel housings) (W201)	1004 mm	1004 mm	1004 mm	1004 mm	1004 mm
Rear opening width (upper) (W205)	947 mm	947 mm	947 mm	947 mm	947 mm
Rear opening width (Lower) (W207)	1059 mm	1059 mm	1059 mm	1059 mm	1059 mm
WEIGHT/MISCELLANEOUS					
Weight, kg (min-max, depending on setup) (Curb weight*/MIRO)	1959 kg / 2040 kg	1959 kg / 2040 kg	2001 kg / 2075 kg	2092 kg / 2170 kg	2092 kg / 2170 kg
Total Weight (Depending on type of engine, gearbox etc.)	2470 kg	2470 kg	2520 kg	2650 kg	2650 kg
Max trailer weight, Unbraked (Max)	750 kg	750 kg	750 kg	750 kg	750 kg
Max trailer weight, Braked (Max)	1500 kg	1500 kg	1500 kg	1800 kg	1800 kg
Aerodynamics, (Cd)	0,329	0,329	0,329	0,329	0,329
Aerodynamics, (Frontal area)	2,56 m²	2,56 m²	2,56 m²	2,56 m²	2,56 m²
Aerodynamics, (Cd*A)	0,841	0,841	0,841	0,841	0,841
Max roof load	75 kg	75 kg	75 kg	75 kg	75 kg
* MIRO = Mass in Running Order					