

2023 Volvo C40 Technical Specifications		
	Recharge Twin	Recharge
ENGINE		
Engines	E400V6	E400V2
Type	Electric motors	Electric motor
Configuration	AWD	FWD
Max output, kW (hp)/rpm	300 (2*150kW) (408 hp (2*204)) / 4350 - 13900 rpm	170 (231 hp) / 4919 - 11000 rpm
Max torque, Nm/rps	660 (2*330) / 0 - 73 Nm / rps	330 / 0 - 82 Nm / rps
Battery type	Lithium-ion battery	Lithium-ion battery
Battery content, total amount of energy (kWh) (Nominal)	78	69
Battery content, total amount of energy (kWh) (Usable)	75	67
BATTERY CHARGING TIME * - DC - 50 kW (Charging power) (minutes) / 150 kW (Charging power) (minutes) ¹	68 / 28	56 / 28
BATTERY CHARGING TIME * - AC 3-phase, 6 A (Charging power) (hours) / 10 A (Charging power) (hours) / 16 A (Charging power) (hours) ¹	22 / 14 / 8	20 / 13 / 7
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) ¹	72 / 40 / 24 / 12 / 8	64 / 36 / 21 / 11 / -
Electrical motor max power (kW)	300 kW (2*150 kW)	170 kW
Electrical motor max torque (Nm)	660 Nm (2*330 Nm)	330 Nm
PERFORMANCE		
Performance	Shift-by-wire	Shift-by-wire
Acceleration, 0-100 km/h	4,7 sec	7,4 sec
Top speed	180 km/h	160 km/h
Electric Range [EAER] WLTP, City.	580 km	611 km
Electric Range [EAER] WLTP, Comb.	451 - 400 km	438 - 415 km
Electric Consumption	22,3 - 19,8 kWh/100 km	19,3 - 18,0 kWh/100 km
MEASUREMENTS AND VOLUMES		
Length	4440 mm	4440 mm
Width (Body width)	1873 mm	1873 mm
Width (mirrors folded)	1910 mm	1910 mm
Width (Including mirrors)	2034 mm	2034 mm
Height (Including shark fen)	1591 mm	1591 mm
Height with open tailgate/trunklid (H110)	2219 mm	2219 mm
Wheelbase	2702 mm	2702 mm
Track, front	1598 mm	1598 mm
Track, rear	1603 mm	1603 mm
Ground clearance (at curb weight + 1 person)	171 mm	171 mm
Approach angle (at curb weight)	20,1 degr	20,1 degr
Breakover angle (at curb weight)	16,2 degr	16,2 degr
Departure angle (at curb weight)	26,6 degr	26,6 degr
Wading capability depth at curb weight (max speed 10 km/h)	450 mm	450 mm
WEIGHT/MISCELLANEOUS		
Weight (Depending on type of engine, gearbox etc.)	2185 kg	2045 kg
Total Weight (Depending on type of engine, gearbox etc.)	2620 kg	2470 kg
Max trailer weight, Unbraked (Max)	750 kg	750 kg
Max trailer weight, Braked (Max)	1800 kg	1500 kg
Aerodynamics, (Cd)	0,319	0,319
Aerodynamics, (Frontal area)	2,54 m²	2,54 m²
Max roof load	75 kg	75 kg
INTERIOR MEASUREMENTS		
Headroom with panoramic roof (front) (Maximum)	1040 mm	1040 mm
Headroom with panoramic roof (front/rear)	1002 mm / 932 mm	1002 mm / 932 mm
Passenger compartment width at shoulder height (front/rear)	1440 mm / 1429 mm	1440 mm / 1429 mm
Leg room (front/rear)	1040 mm / 917 mm	1040 mm / 917 mm
Hip room (front/rear)	1390 mm / 1388 mm	1390 mm / 1388 mm
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)	1205 l	1205 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)	489 l	489 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)	853 l	853 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)	413 l	413 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)	68 l	68 l
Frunk volume (Front luggage volume) - E400V6 US / all other	21 l / 31 l	21 l / 31 l
CHASSIS		
Suspension front	MacPherson Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar	MacPherson Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Suspension rear	Rear multi-link Suspension with Coil Springs, Hydraulic Shock Absorbers,Stabilizer Bar	Rear multi-link Suspension with Coil Springs, Hydraulic Shock Absorbers,Stabilizer Bar
Steering	Electrical Power Assisted Rack	Electrical Power Assisted Rack
Steering ratio (angle/angle)	15,8	15,8
Turning circle (Curb to curb)	11,4 m	11,4 m
Turning circle (Wall to wall)	11,8 m	11,8 m
Turns of steering wheel end to end	2,7	2,7
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)
Brake disc diameter (front) Brake: 18"	345 mm	345 mm
Brake disc diameter (rear) Brake: 18"	340 mm	340 mm
Brake disc thickness (front) Brake: 18"	30 mm	30 mm
Brake disc thickness (rear) Brake: 18"	20 mm	20 mm
Braking distance 100-0 km/h	36 m	36 m