

2022 Volvo C40 Specifications

	Twin
Engine	
Engines	E400V6
Type	Electric motors
Configuration	AWD
Max output, kW (hp)/rpm	300 (2*150kW) (408 hp (2*204)) / 4350 - 13900 rpm
Max torque, Nm/rps	660 (2*330) / 0 - 73 Nm / rps
Battery content, total amount of energy (kWh) (Nominal)	78
Battery content, total amount of energy (kWh) (Usable)	75
BATTERY CHARGING TIME * - DC - 50 kW (Charging power) (minutes) / 150 kW (Charging power) (minutes) ¹	120 / 40
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
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
Electrical motor max power (kW)	300 kW (2*150 kW)
Electrical motor max torque (Nm)	660 Nm (2*330 Nm)
¹ * Charging time can vary depending on vehicle climatization and other active electric loads in the vehicle. Charging time as well depends on e.g. ambient temperature.	
Performance	
Performance	Shift-by-wire
Acceleration, 0-100 km/h	4,7 sec
Top speed	180 km/h
Electric Range [EAER] WLTP, Comb.	Estimated WLTP range 420 km
Measurements and Volumes	
Length	4431 mm
Width (Body width)	1850 mm
Width (Including mirrors)	2035 mm
Height (Including shark fen)	1582 mm
Wheelbase	2702 mm
Track, front	1598 mm
Track, rear	1623 mm
Wading capability depth at curb weight (max speed 10 km/h)	450 mm
Weight/Miscellaneous	
Weight (Depending on type of engine, gearbox etc.)	2185 kg
Total Weight (Depending on type of engine, gearbox etc.)	2690 kg
Max trailer weight, Braked (Max)	1800 kg
Max roof load	75 kg
Interior Measurements	
Headroom with panoramic roof (front) (Maximum)	1041 mm
Headroom with panoramic roof (front/rear)	1002 mm / 932 mm
Passenger compartment width at shoulder height (front/rear)	1440 mm / 1429 mm
Leg room (front/rear)	1040 mm / 917 mm
Hip room (front/rear)	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
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
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
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
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
Frunk volume (Front luggage volume) - E400V6 US / all other	21 l / 31 l
Chassis	
Suspension front	MacPherson Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Suspension rear	Rear multi-link Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Steering	Electrical Power Assisted Rack
Steering ratio (angle/angle)	15,8
Turning circle (Curb to curb)	11,4 m
Turning circle (Wall to wall)	11,8 m
Turns of steering wheel end to end	2,7
Braking system	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)
Brake disc diameter (front) Brake: 18"	345 mm
Brake disc diameter (rear) Brake: 18"	340 mm
Brake disc thickness (front) Brake: 18"	30 mm
Brake disc thickness (rear) Brake: 18"	20 mm