2025 Volvo XC40 Technical Specifications B3 (163 hp) aut B4 (197 hp) aut **ENGINE** B420T4 B420T5 **Engines** Type In-line, 4 cyl. turbocharged In-line, 4 cyl. turbocharged FWD FWD Configuration Displacement 1969 cm³ 1969 cm³ 82,0 mm 82,0 mm Bore Stroke 93,2 mm 93,2 mm Engine cylinder block material Aluminum Aluminum Cylinder head material Aluminum Aluminum Compression ratio 12,0:1 12,0:1 Valves, no/cylinder 4 ea. 4 ea. Camshafts 2 ea. 2 ea. DOHC/SOHC DOHC DOHC Gasoline direct injection Engine management system Gasoline direct injection Ignition sequence 1 - 3 - 4 - 2 1 - 3 - 4 - 2 Engine idling speed (rpm) $750 \text{ rpm} \pm 50$ $750 \text{ rpm} \pm 50$ Fuel, rec. Octane 95-98 RON 95-98 RON 6000 rpm Max engine speed 6000 rpm Max output, kW (hp)/rpm 120 kW (163 hp) / 4750 - 5250 rpm 145 kW (197 hp) / 4750 - 5250 rpm Max torque, Nm/rps 265 / 25 - 67 Nm / rps 300 / 25 - 75 Nm / rps Battery type Battery content, total amount of energy (kWh) (Nominal) Battery content, total amount of energy (kWh) (Usable) Battery charging time, at 16A / 10A / 6A fuse (hours) ¹ Battery placement Electrical motor max power (kW) 10 kW 10 kW Electrical motor max torque (Nm) 40 Nm 40 Nm Driveline max power (kW) Driveline max torque (Nm) $^{1\,\&\,2}$ Up to **TRANSMISSION** 7DCT EVO Transmissions 7DCT EVO First Gear 3,529 3,529 Second Gear 2,810 2,810 Third Gear 1,395 1,395 Fourth Gear 1,043 1,043 Fifth Gear 1,105 1,105 Sixth Gear 0,851 0,851 Seventh Gear 0,725 0,725 Eighth Gear Reverse Gear 2,905 2,905 4,647 (Final drive 1) - 3,435 (Final drive 2) Automatic Gearbox / final drive 4,647 (Final drive 1) - 3,435 (Final drive 2) PERFORMANCE Performance Automatic Automatic Gearbox 7DCT EVO 7DCT EVO 8,6 sec Acceleration, 0-100 km/h 7,6 sec 180 km/h Top speed 180 km/h 8.7 - 9.2 l/100 km / 199 - 209 g/km WLTP "Low" I/100 km / CO^2 g/km 8.7 - 9.2 l/100 km / 199 - 209 g/km WLTP "Medium" I/100 km / CO² g/km 6.2 - 6.8 l/100 km / 141 - 155 g/km 6.2 - 6.8 l/100 km / 141 - 155 g/km 5.5 - 6.1 l/100 km / 124 - 139 g/km 5.5 - 6.1 l/100 km / 124 - 139 g/km WLTP "High" I/100 km / CO² g/km WLTP "Extra High" I/100 km / CO2 g/km 6.7 - 7.7 l/100 km / 151 - 174 g/km 6.7 - 7.7 l/100 km / 151 - 174 g/km WLTP Combined I/100 km / CO₂ g/km 6,5 - 7.2 l/100 km / 147 - 164 g/km 6,5 - 7.2 l/100 km / 147 - 164 g/km Electric Range [EAER] WLTP, Comb. Electric Consumption (kWh/100 km) DIMENSIONS EXTERIOR Length (L103) 4440 mm 4440 mm Wheelbase (L101) 2702 mm 2702 mm Front Overhang (L104) 870 mm 870 mm Rear Overhang (L105) 868 mm 868 mm Height (Including shark fen) (at curb weight) (H101) 1657 mm 1657 mm Height (Including shark fen) (at curb weight + 1 person) (H101) 1652 mm 1652 mm 2136 mm Height with open tailgate/trunklid (H110) 2136 mm Width (Body width) (W103) 1873 mm 1873 mm Width (mirrors folded) (W145) 1938 mm 1938 mm Width (Including mirrors, outer edge) (W144) 2034 mm 2034 mm Width (Body width) (W116) 1863 mm 1863 mm Track, front (depending on rim size) (W101-1) 1601 mm 1601 mm Track, front (depending on rim size) (W101-2) 1626 mm 1626 mm DIMENSIONS INTERIOR Headroom without panoramic roof (front) (Maximum) (H62-1) 1030 mm 1030 mm Headroom with panoramic roof (front) (Maximum) (H62-1 SR) 997 mm 997 mm Headroom without panoramic roof (front/rear) (H61-1 / H61-2) 991 mm / 994 mm 991 mm / 994 mm Headroom with panoramic roof (front/rear) (H61-1 SR / H61-2 SR) 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 Leg room (front/rear) (L34 / L51-2) 1040 mm / 917 mm 1040 mm / 917 mm Hip room (front/rear) (W5-1 / W5-2) 1390 mm / 1388 mm 1390 mm / 1388 mm GROUND CLEARANCE Ground clearance (at curb weight) (H156) 211 mm 211 mm Ground clearance (at curb weight + 1 person) (H156) 205 mm 205 mm Approach angle (at curb weight) (A116-1) 20,3 degr 20,3 degr Breakover angle (at curb weight) (A117) 21,8 degr 21,8 degr Departure angle (at curb weight) (A116-2) 26,9 degr 26,9 degr WADING CAPABILITY 450 mm Wading capability depth at curb weight (at walking speed) 450 mm **STEERING** 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 CHASSIS AND BRAKES Suspension front MacPherson Strut, Coil Springs, Hydraulic Shock MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar Absorbers, Stabilizer Bar Independent Suspension with Coil Springs, Independent Suspension with Coil Springs, Suspension rear Hydraulic Shock Absorbers, Stabilizer Bar Hydraulic Shock Absorbers, Stabilizer Bar Steering **Electrical Power Assisted Rack** Electrical Power Assisted Rack Braking system Antilock Braking System (ABS) with Electronic Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Brake Distribution (EBD) and Electronic Brake Assistance (EBA) Assistance (EBA) Brake disc diameter (front) Brake: 17" 322 mm 322 mm Brake disc diameter (rear) Brake: 16" 302 mm 302 mm Brake disc thickness (front) Brake: 17" 28 mm 28 mm Brake disc thickness (rear) Brake: 16" 12 mm 12 mm Braking distance 100-0 km/h 36 m 36 m **VOLUMES** Largest Luggage volume - First (V214-1) (Largest volume. Load height limited by the 1432 I 1432 I head lining. Front limited by vertical plane tangential to the rear side of the front seatback) Total (including V209) Largest Luggage volume - Second (V214-2) (Second seat up. Load height limited by 569 I 569 I the headlining. Front limited by vertical plane tangential to the rear side of the front seatback) Total (including V209) Open Luggage Compartment - First (V211-1) (Second seat folded. Load height limited 997 I 997 I to upper edge of the front seatback or lower edge of the rear window) Total (including V209) Open Luggage Compartment - Second (V211-2) (Second seat up. Load height limited 443 I 443 I to the upper edge of the second seatback or second window) Total (including V209) Luggage volume, Separate Storage Areas in Luggage Compartment. (V209) (Closed 92 I 92 I storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) - without rep kit and recess 77 I 77 I 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) - rep kit Luggage volume, Separate Storage Areas in Luggage Compartment. (V209) (Closed 49 I 49 I storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) - with spare wheel Luggage volume, Separate Storage Areas in Luggage Compartment. (V209-L) (Closed 88 I 88 I storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) - with spare wheel LENGTHS 1670 mm Cargo length from the first seatback to the tailgate measured at - the height of the floor 1670 mm covering (L212-1) Cargo length from the first seatback to the tailgate measured at - the top of the first 1527 mm 1527 mm seatback (L214-1) Cargo length from the second seatback to the tailgate measured at - the height of the 887 mm 887 mm floor covering (L212-2) Cargo length from the second seatback to the tailgate measured at - the top of the 676 mm 676 mm second seatback (L214-2) **HEIGHTS** Cargo floor height to ground (curb weight) (H253) 755 mm 755 mm Rear opening height, (car center line) (H202) 733 mm 733 mm Cargo height (rear wheel center and car center line) (H201) 746 mm **WIDTHS** Cargo floor width, min. (Wheelhouse Width – at Floor) (W201) 1004 mm 1004 mm Rear opening width: upper min (W205) 947 mm 947 mm Rear opening width at floor, min (W207) 1059 mm 1059 mm WEIGHT/MISCELLANEOUS Weight, kg (min-max, depending on setup) (Curb weight/*MiRO) 1617 kg / 1688 kg 1617 kg / 1688 kg Total Weight (Depending on type of engine, gearbox etc.) 2220 kg 2220 kg Max trailer weight, Unbraked (Max) 750 kg 750 kg Max trailer weight, Braked (Max) 1600 kg 2000 kg Fuel tank, Petrol 54 I 54 I 0,340 0,340 Aerodynamics, (Cd) Aerodynamics, (Frontal area) 2,56 m² 2,56 m² 0.871 0.871 Aerodynamics, (Cd*A) 75 kg Max roof load 75 kg * MiRO = Mass in Running Order