2022 Volvo XC40 Specifications

	T2 (129 hp) manual	T3 (163 hp) man	T3 (163 hp) aut	B4 (197 hp) aut	B4 AWD (197 hp) aut	B5 AWD (250 hp) aut	T4 TwEn (211 hp) aut	T5 TwEn (262 hp) aut
Engine								
Engines	B3194T3	B3194T3	B3194T2	B4207S	B4207S	B4207Z	B3194T10	B3194T5
Type	In-line, 3-cyl turbocharged	In-line, 3-cyl turbocharged	In-line, 3-cyl turbocharged	In-line, 4-cyl turbocharged	In-line, 4-cyl turbocharged	In-line, 4-cyl turbocharged	In-line, 3-cyl turbocharged	In-line, 3-cyl turbocharged
Configuration	FWD	FWD	FWD	FWD	AWD	AWD	FWD	FWD
Displacement	1477 cm³	1477 cm³	1477 cm³	1969 cm³	1969 cm³	1969 cm³	1477 cm³	1477 cm³
Bore	82.0 mm	82.0 mm	82.0 mm	82.0 mm	82.0 mm	82.0 mm	82.0 mm	82.0 mm
Stroke	93.2 mm	93.2 mm	93.2 mm	93.2 mm	93.2 mm	93.2 mm	93.2 mm	93.2 mm
Engine cylinder block material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Cylinder head material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Compression ratio	10.5:1	10.5:1	10.5:1	10.5:1	10.5:1	10.5:1	10.5:1	10.5:1
Valves, notrjcnder	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.
Camshafts	2 ea.	2 ea.	2 ea.	2 ea.	2 ea.	2 ea.	2 ea.	2 ea.
Valve train	DOHC / SOHC	DOHC	DOHC	DOHC	DOHC	DOHC	DOHC	DOHC
Engine management system	Gasoline direct injection	Gasoline direct injection	Gasoline direct injection	Gasoline direct injection	Gasoline direct injection	Gasoline direct injection	Gasoline direct injection	Gasoline direct injection
Turbo aspaurce	1 - 3 - 2	1 - 3 - 2	1 - 3 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 2	1 - 3 - 2
Engine sling speed (rpm)	900 rpm ± 50	900 rpm ± 50	900 rpm ± 50	750 rpm ± 50	750 rpm ± 50	750 rpm ± 50	900 rpm ± 50	900 rpm ± 50
Max output, kW (hp/rpm)	95 kW (129 hp) / 5000 rpm	120 kW (163 hp) / 5000 rpm	120 kW (163 hp) / 5000 rpm	165 kW (197 hp) / 4800 - 5400 rpm	184 kW (197 hp) / 4800 - 5400 rpm	184 kW (250 hp) / 5400 - 5700 rpm	95 kW (129 hp) / 5000 rpm	132 kW (180 hp) / 5000 rpm
Max torque, Newtonp	210 - 27 - 50 Nm / rpm	265 / 31 - 50 Nm / rpm	265 / 31 - 50 Nm / rpm	350 - 25 - 50 Nm / rpm	350 - 25 - 50 Nm / rpm	350 - 25 - 50 Nm / rpm	240 / 27 - 50 Nm / rpm	265 / 31 - 50 Nm / rpm
Battery type							Lithium-ion battery	Lithium-ion battery
Battery correct, total amount of energy (kWh) (Nominal)							10.7	10.7
Battery correct, total amount of energy (kWh) (Usable)							8.5	8.5
Battery charging time, at 16A / 3ø A (hours) *							3.0 / 4.0 / 8.0	3.0 / 4.0 / 8.0
Battery placement							Centrally in the tunnel of the car	Centrally in the tunnel of the car
Electrical motor max power (kW)				10 kW	10 kW	10 kW	60 kW	60 kW
Electrical motor max torque (Nm)				40 Nm	40 Nm	40 Nm	160 Nm	160 Nm
Drivetrne max power (kW)							60 kW + 95 kW *	60 kW + 132 kW *
Drivetrne max torque (Nm)							160 Nm + 240 Nm *	160 Nm + 265 Nm *

* ø = n
* ø = n

Transmissions

Transmissions	MY6 R6.2 / AWF8G30	MY6 R6.2	AWF8G30	AWF8G45			TDCTH	TDCTH
First Gear	3.583 / 5.070	3.583	5.070	5.057			3.529	3.529
Second Gear	2.048 / 2.972	2.048	2.972	3.070			2.810	2.810
Third Gear	1.310 / 1.950	1.310	1.950	2.050			1.441	1.441
Fourth Gear	0.919 / 1.470	0.919	1.470	1.520			1.000	1.000
Fifth Gear	0.690 / 1.231	0.690	1.231	1.282			1.386	1.386
Sixth Gear	0.579 / 1.000	0.579	1.000	1.000			0.891	0.891
Seventh Gear	– / 0.808	–	0.808	0.792			0.725	0.725
Eighth Gear	– / 0.672	–	0.672	0.661			–	–
Reverse Gear	3.333 / 4.553	3.333	4.553	3.329			2.905	2.905
Manual Gearbox / final drive	4.563	4.563					4.047 (Final drive 7) / 3.416 (Final drive 2)	4.047 (Final drive 7) / 3.416 (Final drive 2)
Automatic Gearbox / final drive (AWD)	3.502 / –	–	3.502	3.329			–	–
Transmissions (AWD)					AWF8G45	AWF8G45		
First Gear (AWD)					5.057	5.057		
Second Gear (AWD)					3.070	3.070		
Third Gear (AWD)					2.050	2.050		
Fourth Gear (AWD)					1.520	1.520		
Fifth Gear (AWD)					1.282	1.282		
Sixth Gear (AWD)					1.000	1.000		
Seventh Gear (AWD)					0.792	0.792		
Eighth Gear (AWD)					0.661	0.661		
Reverse Gear (AWD)					3.992	3.992		
Automatic Gearbox / final drive (AWD)					3.329	3.329		

Performance

Performance	Manual / Automatic	Manual	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Gearbox	MY6 R6.2 / AWF8G30	MY6 R6.2	AWF8G30	AWF8G45	AWF8G45	AWF8G45	TDCTH	TDCTH
Acceleration, 0-100 km/h	10.9 sec / 10.9 sec	9.2 sec	9.6 sec	8.4 sec	8.5 sec	6.7 sec	8.5 sec	7.3 sec
Top speed	180 km/h / 180 km/h	180 km/h	180 km/h	180 km/h	180 km/h	180 km/h	180 km/h	180 km/h
Turn circle Diameter, Curb to curb	9.3 (10.6 ft) / 142 ytrs (466.0 ft)	9.3 (10.6 ft) / 142 ytrs (466.0 ft)	9.3 (10.6 ft) / 147 ytrs	9.5 (10.9 ft) / 149 ytrs	9.7 (11.0 ft) / 151 ytrs	9.7 (11.0 ft) / 151 ytrs	9.3 (10.6 ft) / 142 ytrs	1.9 (10.6 ft) / 147 ytrs
Turn circle Diameter, Curb to curb (AWD)	9.3 (10.6 ytrs) / 144 ytrs (472.4 ft) / 147 ytrs	9.3 (10.6 ytrs) / 144 ytrs (472.4 ft) / 147 ytrs	6.6 (10.6 ytrs) / 149 ytrs	8.7 (10.9 ytrs) / 151 ytrs	8.8 (10.9 ytrs) / 153 ytrs	8.8 (10.9 ytrs) / 153 ytrs	9.3 (10.6 ytrs) / 42 ytrs	1.9 (10.6 ytrs) / 47 ytrs
Turn circle Diameter, Curb to curb (AWD) (10.6 ft)	6.4 (10.6 ytrs) / 145 ytrs (475.7 ft) / 147 ytrs	6.4 (10.6 ytrs) / 145 ytrs (475.7 ft) / 147 ytrs	6.7 (10.6 ytrs) / 151 ytrs	8.9 (10.9 ytrs) / 155 ytrs	8.9 (10.9 ytrs) / 155 ytrs	8.9 (10.9 ytrs) / 155 ytrs	1.9 (10.6 ytrs) / 45 ytrs	1.9 (10.6 ytrs) / 45 ytrs
WLTP Combined, NEDC (100 km / 0.2L gpm)	6.9 – n/a (100 km / 1.8L – n/a gpm) / 7.3 – n/a (100 km / 1.8L – n/a gpm)	7.2 – n/a (100 km / 1.8L – n/a gpm)	7.3 – n/a (100 km / 1.8L – n/a gpm)	7.8 – 7.3 (100 km / 1.7L – 1.6L gpm)	7.8 – 7.3 (100 km / 1.7L – 1.6L gpm)	7.8 – 7.3 (100 km / 1.7L – 1.6L gpm)	2.1 – n/a (100 km / 47 – n/a gpm)	2.1 – n/a (100 km / 47 – n/a gpm)
Electric Range, NEDC *	50 km - 47 km	50 km - 47 km	50 km - 47 km	50 km - 47 km	50 km - 47 km	50 km - 47 km	50 km - 47 km	50 km - 47 km
Electric Range (DA50) WLTP, Cycle	45 km - n/a km	45 km - n/a km	45 km - n/a km	45 km - n/a km	45 km - n/a km	45 km - n/a km	45 km - n/a km	45 km - n/a km
Electric Consumption (mWh/100 km)	15,2 kWh/100 km	15,2 kWh/100 km	15,2 kWh/100 km	15,2 kWh/100 km	15,2 kWh/100 km	15,2 kWh/100 km	15,2 kWh/100 km	15,2 kWh/100 km

* NEDC figures combined from WLTP based testing.

* 95.0 P-RDX hybrid/electric. Combined refer to the combined value of all phases in 95.0 P, city refer to the first two phases of 95.0 P, rural and motwy. Weighted refer the calculated result for both petrol and electric drivetrain. CO2E = Equivalent of electric range.

Measurements and Volumes

Length	4425 mm	4425 mm	4425 mm	4425 mm	4425 mm	4425 mm	4425 mm	4425 mm
Width (Body width)	1863 mm	1863 mm	1863 mm	1863 mm	1863 mm	1863 mm	1863 mm	1863 mm
Width (mirrors folded)	1910 mm	1910 mm	1910 mm	1910 mm	1910 mm	1910 mm	1910 mm	1910 mm
Width (including mirrors, outer edges)	2034 mm	2034 mm	2034 mm	2034 mm	2034 mm	2034 mm	2034 mm	2034 mm
Height (including shark fins)	1652 mm	1652 mm	1652 mm	1652 mm	1652 mm	1652 mm	1652 mm	1652 mm
Height with open tailgate/roof (mm)	2136 mm	2136 mm	2136 mm	2136 mm	2136 mm	2136 mm	2136 mm	2136 mm
Height, rear	2752 mm	2752 mm	2752 mm	2752 mm	2752 mm	2752 mm	2752 mm	2752 mm
Track, front	1651 mm	1651 mm	1651 mm	1651 mm	1651 mm	1651 mm	1651 mm	1651 mm
Track, rear	1626 mm	1626 mm	1626 mm	1626 mm	1626 mm	1626 mm	1626 mm	1626 mm
Ground clearance (at curb weight) *	211 mm	211 mm	211 mm	211 mm	211 mm	211 mm	211 mm	211 mm
Approach angle (at curb weight)	21.7 deg	21.7 deg	21.7 deg	21.7 deg	21.7 deg	21.7 deg	21.7 deg	21.7 deg
Breakover angle (at curb weight)	21.9 deg	21.9 deg	21.9 deg	21.9 deg	21.9 deg	21.9 deg	21.9 deg	21.9 deg
Departure angle (at curb weight)	30.4 deg	30.4 deg	30.4 deg	30.4 deg	30.4 deg	30.4 deg	30.4 deg	30.4 deg
Wading capability depth at curb weight	450 mm	450 mm	450 mm	450 mm	450 mm	450 mm	Up to a depth approximately level with the floor at wading speed	Up to a depth approximately level with the floor at wading speed

Weight/Miscellaneous

Weight/Miscellaneous								
Tow weight (Depending on type of engine, gearbox and equipment)	1573 kg - 2184 kg	1573 kg - 2184 kg	1573 kg - 2184 kg	1573 kg - 2184 kg	1573 kg - 2184 kg	1573 kg - 2184 kg	1573 kg - 2184 kg	1573 kg - 2184 kg
Tow weight (Depending on type of engine, gearbox and equipment)	2090 kg - 2650 kg	2090 kg - 2650 kg	2090 kg - 2650 kg	2090 kg - 2650 kg	2090 kg - 2650 kg	2090 kg - 2650 kg	2090 kg - 2650 kg	2090 kg - 2650 kg
Max trailer weight, Unbraked (Max)	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg
Max trailer weight, Braked (Max)	1800 kg	1800 kg	1800 kg	2100 kg	2100 kg	2100 kg	1800 kg	1800 kg
Fuel tank, Petrol	54 l	54 l	54 l	54 l	54 l	54 l	48 l	48 l
Aerodynamics, (Cd)	0.340	0.340	0.340	0.340	0.340	0.340	0.340	0.340
Aerodynamics (Frontal area)	2.36 m²	2.36 m²	2.36 m²	2.36 m²	2.36 m²	2.36 m²	2.36 m²	2.36 m²
Max roof load	75 kg	75 kg	75 kg	75 kg	75 kg	75 kg	75 kg	75 kg

Interior Measurements

Interior Measurements								
Interior volume, Passenger compartment (Maximum)	1030 mm	1030 mm	1030 mm	1030 mm	1030 mm	1030 mm	1030 mm	1030 mm
Interior volume, Passenger compartment (Minimum)	897 mm	897 mm	897 mm	897 mm	897 mm	897 mm	897 mm	897 mm
Interior volume, Passenger compartment (Maximum)	991 mm / 984 mm	991 mm / 984 mm	991 mm / 984 mm	991 mm / 984 mm	991 mm / 984 mm	991 mm / 984 mm	991 mm / 984 mm	991 mm / 984 mm
Interior volume, Passenger compartment (Minimum)	955 mm / 874 mm	955 mm / 874 mm	955 mm / 874 mm	955 mm / 874 mm	955 mm / 874 mm	955 mm / 874 mm	955 mm / 874 mm	955 mm / 874 mm
Passenger compartment width at hip level	1440 mm / 1429 mm	1440 mm / 1429 mm	1440 mm / 1429 mm	1440 mm / 1429 mm	1440 mm / 1429 mm	1440 mm / 1429 mm	1440 mm / 1429 mm	1440 mm / 1429 mm
Passenger compartment width at shoulders level (Minimum)	1347 mm	1347 mm	1347 mm	1347 mm	1347 mm	1347 mm	1347 mm	1347 mm
Hip room (Minimum)	1390 mm / 1388 mm	1390 mm / 1388 mm	1390 mm / 1388 mm	1390 mm / 1388 mm	1390 mm / 1388 mm	1390 mm / 1388 mm	1390 mm / 1388 mm	1390 mm / 1388 mm
Largest Luggage volume - Flat (VDA 210 L) (Largest volume - Flat (VDA 210 L) (Second seat folded. Load height limited to upper edge of the rear window) Total (including VDA)	1326 l	1326 l	1326 l	1326 l	1326 l	1326 l	1326 l	1326 l
Luggage volume, Separate Storage Areas in Luggage Compartments (VDA) (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) - without rep kit and recess	576 l	576 l	576 l	576 l	576 l	576 l	576 l	576 l
Open Luggage volume - Second (VDA 210 L) (Second seat folded. Load height limited to upper edge of the rear window) Total (including VDA)	860 l	860 l	860 l	860 l	860 l	860 l	860 l	860 l
Open Luggage volume - Second (VDA 210 L) (Second seat up. Load height limited to the upper edge of the rear window) Total (including VDA)	452 l	452 l	452 l	452 l	452 l	452 l	452 l	452 l
Luggage volume, Separate Storage Areas in Luggage Compartments (VDA) (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) - with rep kit and recess	551 l	551 l	551 l	521 l	521 l	521 l		
Luggage volume, Separate Storage Areas in Luggage Compartments (VDA) (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) - with rep kit and recess	521 l	521 l	521 l	511 l	511 l	511 l	541 l	541 l
Luggage volume, Separate Storage Areas in Luggage Compartments (VDA) (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) - rear seat up	451 l	451 l	451 l	451 l	451 l	451 l	281 l	281 l
Cargo length from the first seatback to the tailgate measured at - the floor (Length 2,210 l)	1670 mm	1670 mm	1670 mm	1670 mm	1670 mm	1670 mm	1670 mm	1670 mm
Cargo length from the first seatback to the tailgate measured at - the top of the first seatback (L2H 1)	1527 mm	1527 mm	1527 mm	1527 mm	1527 mm	1527 mm	1527 mm	1527 mm
Cargo length from the second seatback to the tailgate measured at - the floor - the height of the floor (Length 2,212 l)	897 mm	897 mm	897 mm	897 mm	897 mm	897 mm	897 mm	897 mm
Cargo length from the second seatback to the tailgate measured at - the top - the height of the floor (Length 2,212 l)	676 mm	676 mm	676 mm	676 mm	676 mm	676 mm	676 mm	676 mm
Cargo floor height to ground (VDA) (curb weight)	755 mm	755 mm	755 mm	755 mm	755 mm	755 mm	755 mm	755 mm
Rear opening height (rear wheel center - roof) (mm)	733 mm	733 mm	733 mm	733 mm	733 mm	733 mm	733 mm	733 mm
Cargo height (H2R1) (rear wheel center - roof) (mm)	746 mm	746 mm	746 mm	746 mm	746 mm	746 mm	746 mm	746 mm
Cargo floor width, rear wheel arches (H2R2) (between wheel arches) (mm)	1004 mm	1004 mm	1004 mm	1004 mm	1004 mm	1004 mm	1004 mm	1004 mm
Rear opening width, rear wheel arches (mm)	947 mm	947 mm	947 mm	947 mm	947 mm	947 mm	947 mm	947 mm
Rear opening width, rear wheel arches (mm)	1030 mm	1030 mm	1030 mm	1030 mm	1030 mm	1030 mm	1030 mm	1030 mm

Chassis

Chassis								
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	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	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	Electrical Power Assisted Rack	Electrical Power Assisted Rack	Electrical Power Assisted Rack
Steering ratio (Overall)	15.8	15.8	15.8	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	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	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	2.7	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)	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)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)
Brake disc diameter (front) (Brake 18" / 19" / 20")	296 mm / 322 mm / 345 mm	296 mm / 322 mm / 345 mm	296 mm / 322 mm / 345 mm	296 mm / 322 mm / 345 mm	296 mm / 322 mm / 345 mm	296 mm / 322 mm / 345 mm	296 mm / 322 mm / 345 mm	296 mm / 322 mm / 345 mm
Brake disc diameter (rear) (Brake 18" / 19" / 20")	280 mm / 302 mm / 345 mm	280 mm / 302 mm / 345 mm	280 mm / 302 mm / 345 mm	280 mm / 302 mm / 345 mm	280 mm / 302 mm / 345 mm	280 mm / 302 mm / 345 mm	280 mm / 302 mm / 345 mm	280 mm / 302 mm / 345 mm
Brake disc thickness (front) (Brake 18" / 19" / 20")	25 mm / 28 mm / 30 mm	25 mm / 28 mm / 30 mm	25 mm / 28 mm / 30 mm	25 mm / 28 mm / 30 mm	25 mm / 28 mm / 30 mm	25 mm / 28 mm / 30 mm	25 mm / 28 mm / 30 mm	25 mm / 28 mm / 30 mm
Brake disc thickness (rear) (Brake 18" / 19" / 20")	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm	12 mm / 20 mm
Braking distance 100-0 km/h	36 m	36 m	36 m	36 m	36 m	36 m	36 m	36 m