

2020 Volvo XC40 Specifications

	XC40 T2 (129 hp) man/aut	XC40 T3 (163 hp) man	XC40 T3 (163 hp) aut	XC40 T4 (190 hp) aut	XC40 T4 AWD (190 hp) aut	XC40 T5 AWD (247 hp) aut	XC40 T5 TwEn (262 hp) aut	XC40 D3 (150 hp) man/aut	XC40 D3 AWD (150 hp) man/aut	XC40 D4 AWD (190 hp) aut
<b>Engine</b>										
Engines	B3154T9	B3154T7	B3154T2	B4204T47	B4204T47	B4204T14	B3154T5	D4204T16	D4204T16	D4204T12
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, 4 cyl. turbo diesel	In-line, 4 cyl. turbo diesel	In-line, 4 cyl. twin turbo diesel
Configuration	FWD	FWD	FWD	FWD	FWD	AWD	AWD	FWD	AWD	AWD
Displacement	1477 cm³	1477 cm³	1477 cm³	1969 cm³	1969 cm³	1969 cm³	1477 cm³	1969 cm³	1969 cm³	1969 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	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	93.2 mm	93.2 mm
Compression ratio	10.5:1	10.5:1	10.5:1	11.3:1	11.3:1	10.8:1	10.5:1	16.0:1	16.0:1	15.8:1
Valves, per cylinder	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.
DOHC / SOHC	DOHC	DOHC	DOHC	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	i-ART common rail direct injection	i-ART common rail direct injection	i-ART common rail direct injection
Ignition sequence	1-3-2	1-3-2	1-3-2	1-3-4-2	1-3-4-2	1-3-4-2	1-3-2	1-3-4-2	1-3-4-2	1-3-4-2
Engine idling speed (rpm) ± 50 (man) 1500 (rpm) ± 50 (aut)	900 rpm ± 50 (man) 1500 (rpm) ± 50 (aut)	900 rpm ± 50	1050 rpm ± 50	875 rpm ± 50	875 rpm ± 50	875 rpm ± 50	800 rpm ± 50	825 rpm ± 150	825 rpm ± 150	825 rpm ± 150
Fuel, rec. Octane	95-98 RON	95-98 RON	95-98 RON	95-98 RON	95-98 RON	95-98 RON	95-98 RON	Diesel 1	Diesel 1	Diesel 1
6000 rpm	6000 rpm	6000 rpm	6000 rpm	6000 rpm	6000 rpm	6000 rpm	5800 rpm	1500 rpm	1500 rpm	5000 rpm
Max engine kW (hp) (rpm)	95 kW (129 hp) / 5000 rpm	120 kW (163 hp) / 5000 rpm	120 kW (163 hp) / 5000 rpm	140 kW (190 hp) / 4700 rpm	140 kW (190 hp) / 4700 rpm	182 kW (247 hp) / 5500 rpm	132 kW (180 hp) / 5800 rpm	410 kW (550 hp) / 3750 rpm	410 kW (550 hp) / 3750 rpm	140 kW (190 hp) / 4000 rpm
Max torque, Nm (hp) (rpm)	245 / 220 - 50 Nm / rps	265 / 31 - 50 Nm / rps	265 / 25 - 50 Nm / rps	300 / 23 - 67 Nm / rps	300 / 23 - 67 Nm / rps	350 / 30 - 80 Nm / rps	265 / 25 - 50 Nm / rps	320 / 29 - 50 Nm / rps	320 / 29 - 50 Nm / rps	400 / 29 - 42 Nm / rps
Battery type	-	-	-	-	-	-	Lithium-ion battery	-	-	-
Battery capacity, kWh (net amount of energy) (Wh)	-	-	-	-	-	-	10.7	-	-	-
Battery charging time***, at 16A / 10A / 6A fuse (hours) 2	-	-	-	-	-	-	3.0 / 5.0 / 8.0	-	-	-
Battery placement	-	-	-	-	-	-	Centrally in the tunnel of the car	-	-	-
Electrical motor max power (kW)	-	-	-	-	-	-	80 kW	-	-	-
Electrical motor max torque (Nm)	-	-	-	-	-	-	160 Nm	-	-	-
Driveable max power (kW)	-	-	-	-	-	-	65 kW + 120 kW** 3	-	-	-
Driveable max torque (Nm)	-	-	-	-	-	-	160 Nm + 205 Nm** 3	-	-	-

1) According to EN609 testrun protocol (AME) correct 7%  
 2) \*\* Up to  
 3) \*\*\* Up to

Transmissions										
Transmissions	M76 R6.2 / AWF6G30	M76 R6.2	AWF6G30	AW TG-815C	-	-	7DC1H	M76 R6.2 / AW TG-815C	-	-
First Gear	3.583 / 5.070	3.583	5.250	5.250	-	-	3.529	3.583 / 5.250	-	-
Second Gear	2.048 / 2.972	2.048	2.972	3.029	-	-	2.810	2.048 / 3.029	-	-
Third Gear	1.310 / 1.950	1.310	1.950	1.950	-	-	1.441	1.310 / 1.950	-	-
Fourth Gear	0.919 / 1.470	0.919	1.470	1.457	-	-	1.042	0.919 / 1.457	-	-
Fifth Gear	0.690 / 1.231	0.690	1.231	1.221	-	-	1.086	0.690 / 1.221	-	-
Sixth Gear	0.578 / 1.000	0.578	1.000	1.000	-	-	0.851	0.578 / 1.000	-	-
Seventh Gear	- / 0.808	-	0.808	0.809	-	-	0.725	- / 0.809	-	-
Eighth Gear	- / 0.672	-	0.672	0.673	-	-	-	- / 0.673	-	-
Reverse Gear	3.333 / 4.003	3.333	4.003	4.015	-	-	2.905	3.333 / 4.015	-	-
Manual Gearbox / final drive	4.563 (gear 1-6) - 5.214 (gear R)	4.563 (gear 1-6) - 5.214 (gear R)	-	-	-	-	4.647 (Final drive 1) - 3.435 (Final drive 2)	4.056 (gear 1-6) - 4.563 (gear R)	-	-
Automatic Gearbox / final drive	3.502	-	3.502	3.329	-	-	-	3.075	-	-
Transmissions (AWD)	-	-	-	-	AW TG-815C	AW TG-815C	-	-	M66F / AW TG-815C	AW TG-815C
First Gear (AWD)	-	-	-	-	5.250	5.250	-	-	3.583 / 5.250	5.250
Second Gear (AWD)	-	-	-	-	3.029	3.029	-	-	2.050 / 3.029	3.029
Third Gear (AWD)	-	-	-	-	1.950	1.950	-	-	1.267 / 1.950	1.950
Fourth Gear (AWD)	-	-	-	-	1.457	1.457	-	-	0.638 / 1.457	1.457
Fifth Gear (AWD)	-	-	-	-	1.221	1.221	-	-	0.817 / 1.221	1.221
Sixth Gear (AWD)	-	-	-	-	1.000	1.000	-	-	0.510 / 1.000	1.000
Seventh Gear (AWD)	-	-	-	-	0.809	0.809	-	-	- / 0.809	0.809
Eighth Gear (AWD)	-	-	-	-	0.673	0.673	-	-	- / 0.673	0.673
Reverse Gear (AWD)	-	-	-	-	4.015	4.015	-	-	2.833 / 4.015	4.015
Manual Gearbox / final drive (AWD)	-	-	-	-	-	-	-	-	4.533 (gear 1-6) - 5.067 (gear R)	-
Automatic Gearbox / final drive (AWD)	-	-	-	-	3.329	3.329	-	-	3.200	3.200

Performance											
Gearbox	M76 R6.2 / AWF6G30	M76 R6.2	AWF6G30	AW TG-815C	AW TG-815C	AW TG-815C	7DC1H	M76 R6.2 / AW TG-815C	M66F / AW TG-815C	AW TG-815C	
Acceleration, 0-100 km/h	10.9 sec / 10.9 sec	9.3 sec	9.6 sec	8.4 sec	8.5 sec	6.5 sec	7.3 sec	9.9 sec / 10.2 sec	10.2 sec / 10.4 sec	7.9 sec	
Top speed	185 km/h / 185 km/h	200 km/h	200 km/h	210 km/h	210 km/h	230 km/h	205 km/h	200 km/h / 200 km/h	200 km/h / 200 km/h	210 km/h	
Tyre class A Combined, NEDC, 1/100 km / CO <sub>2</sub> g/km 1	6.2 / 1100 km / 142 g/km / 165 / 1100 km / 148 g/km	6.2 / 1100 km / 142 g/km	6.0 / 1100 km / 148 g/km	6.6 / 1100 km / 154 g/km	6.6 / 1100 km / 154 g/km	6.9 / 1100 km / 161 g/km	7.1 / 1100 km / 164 g/km	1.7 / 1100 km / 138 g/km	4.8 / 1100 km / 127 g/km / 5.0 / 1100 km / 131 g/km	5.3 / 1100 km / 139 g/km / 5.4 / 1100 km / 141 g/km	5.0 / 1100 km / 131 g/km
Tyre class B Combined, NEDC, 1/100 km / CO <sub>2</sub> g/km 1	6.3 / 1100 km / 144 g/km / 153 / 1100 km / 150 g/km	6.3 / 1100 km / 144 g/km	6.6 / 1100 km / 150 g/km	6.7 / 1100 km / 156 g/km	6.7 / 1100 km / 156 g/km	7.0 / 1100 km / 163 g/km	7.1 / 1100 km / 166 g/km	1.8 / 1100 km / 141 g/km	4.9 / 1100 km / 128 g/km / 5.1 / 1100 km / 134 g/km	5.4 / 1100 km / 141 g/km / 5.5 / 1100 km / 144 g/km	5.0 / 1100 km / 133 g/km
Tyre class C Combined, NEDC, 1/100 km / CO <sub>2</sub> g/km 1	6.4 / 1100 km / 147 g/km / 167 / 1100 km / 153 g/km	6.4 / 1100 km / 147 g/km	6.7 / 1100 km / 153 g/km	6.8 / 1100 km / 158 g/km	6.8 / 1100 km / 158 g/km	7.1 / 1100 km / 165 g/km	7.2 / 1100 km / 168 g/km	1.9 / 1100 km / 143 g/km	4.9 / 1100 km / 130 g/km / 5.1 / 1100 km / 134 g/km	5.4 / 1100 km / 143 g/km / 5.5 / 1100 km / 144 g/km	5.1 / 1100 km / 135 g/km
WLTP Low 1/100 km / CO <sub>2</sub> g/km	8.5 - 9.0 / 1100 km / 192 - 202 g/km	8.5 - 9.0 / 1100 km / 192 - 202 g/km	9.0 - 10.0 / 1100 km / 205 - 227 g/km	11.4 - 12.1 / 1100 km / 257 - 274 g/km	11.8 - 12.2 / 1100 km / 267 - 274 g/km	11.8 - 12.4 / 1100 km / 270 - 281 g/km	-	6.2 - 6.3 / 1100 km / 161 - 166 g/km / 7.6 - 8.0 / 1100 km / 198 - 209 g/km	6.6 - 7.1 / 1100 km / 173 - 185 g/km / 8.0 - 8.3 / 1100 km / 210 - 218 g/km	7.8 - 8.9 / 1100 km / 204 - 232 g/km	
WLTP Medium 1/100 km / CO <sub>2</sub> g/km	6.6 - 7.4 / 1100 km / 150 - 168 g/km	6.6 - 7.4 / 1100 km / 150 - 168 g/km	7.1 - 7.9 / 1100 km / 161 - 179 g/km	7.4 - 8.1 / 1100 km / 169 - 184 g/km	8.0 - 8.5 / 1100 km / 181 - 192 g/km	8.3 - 8.9 / 1100 km / 189 - 202 g/km	-	5.5 - 5.7 / 1100 km / 143 - 154 g/km / 6.0 - 6.2 / 1100 km / 158 - 162 g/km	5.6 - 6.4 / 1100 km / 146 - 166 g/km / 6.2 - 6.5 / 1100 km / 163 - 171 g/km	6.3 - 7.1 / 1100 km / 166 - 185 g/km	
WLTP High 1/100 km / CO <sub>2</sub> g/km	5.0 - 6.6 / 1100 km / 132 - 149 g/km	5.0 - 6.6 / 1100 km / 132 - 149 g/km	6.1 - 6.7 / 1100 km / 138 - 153 g/km	6.4 - 6.9 / 1100 km / 146 - 157 g/km	6.6 - 7.2 / 1100 km / 150 - 163 g/km	7.1 - 7.7 / 1100 km / 160 - 174 g/km	-	4.8 - 5.0 / 1100 km / 121 - 132 g/km / 5.0 - 5.4 / 1100 km / 132 - 141 g/km	4.8 - 5.0 / 1100 km / 125 - 144 g/km / 5.4 - 5.8 / 1100 km / 140 - 148 g/km	5.4 - 6.1 / 1100 km / 142 - 159 g/km	
WLTP Extra High 1/100 km / CO <sub>2</sub> g/km	6.3 - 8.4 / 1100 km / 168 - 189 g/km	6.3 - 8.4 / 1100 km / 168 - 189 g/km	7.4 - 8.2 / 1100 km / 168 - 186 g/km	7.5 - 8.3 / 1100 km / 171 - 188 g/km	7.7 - 8.5 / 1100 km / 175 - 192 g/km	8.1 - 9.1 / 1100 km / 184 - 205 g/km	-	5.9 - 6.5 / 1100 km / 156 - 170 g/km / 6.8 - 6.9 / 1100 km / 168 - 179 g/km	5.9 - 6.9 / 1100 km / 155 - 180 g/km / 6.5 - 6.9 / 1100 km / 170 - 180 g/km	6.6 - 7.2 / 1100 km / 172 - 190 g/km	
WLTP Combined 1/100 km / CO <sub>2</sub> g/km	6.3 - 8.4 / 1100 km / 168 - 189 g/km	6.3 - 8.4 / 1100 km / 168 - 189 g/km	7.1 - 7.8 / 1100 km / 161 - 177 g/km	7.7 - 8.4 / 1100 km / 174 - 189 g/km	8.0 - 8.6 / 1100 km / 181 - 192 g/km	8.3 - 9.1 / 1100 km / 189 - 205 g/km	2.0 - 2.5 / 1100 km / 46 - 56 g/km	5.5 - 5.9 / 1100 km / 143 - 154 g/km / 6.0 - 6.3 / 1100 km / 156 - 165 g/km	5.6 - 6.4 / 1100 km / 146 - 167 g/km / 6.3 - 6.6 / 1100 km / 165 - 173 g/km	6.4 - 7.1 / 1100 km / 166 - 185 g/km	
Electric Range, NEDC 2	-	-	-	-	-	-	50 km - 54 km	-	-	-	
Electric Range [EAER] WLTP, Comb.	-	-	-	-	-	-	42 km - 46 km	-	-	-	

1) \*\* NEDC figures obtained from WLTP based testing  
 2) \*\* WLTP PHV only. Combined refer to the combined value of all phases in WLTP. City refer to the first two phases of WLTP, low and medium. Weighted refer the calculated result for both petrol and electric drivetrain. EAER = Equivalent all electric range.

Measurements and Volumes										
Length	4425 mm	4425 mm	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	1863 mm	1863 mm
Width (mirrors folded)	1910 mm	1910 mm	1910 mm	1910 mm	1910 mm	1910 mm	1910 mm	1910 mm	1910 mm	1910 mm
Width (including mirrors, outer edge)	2034 mm	2034 mm	2034 mm	2034 mm	2034 mm	2034 mm	2034 mm	2034 mm	2034 mm	2034 mm
Height (including shank)	1652 mm	1652 mm	1652 mm	1652 mm	1652 mm	1652 mm	1652 mm	1652 mm	1652 mm	1652 mm
Height with open tailgate/trunklid (H119)	2136 mm	2136 mm	2136 mm	2136 mm	2136 mm	2136 mm	2136 mm	2136 mm	2136 mm	2136 mm
Wheelbase	2702 mm	2702 mm	2702 mm	2702 mm	2702 mm	2702 mm	2702 mm	2702 mm	2702 mm	2702 mm
Track, front	1601 mm	1601 mm	1601 mm	1601 mm	1601 mm	1601 mm	1601 mm	1601 mm	1601 mm	1601 mm
Track, rear	1626 mm	1626 mm	1626 mm	1626 mm	1626 mm	1626 mm	1626 mm	1626 mm	1626 mm	1626 mm
Ground clearance (at curb weight + 1)	211 mm	211 mm	211 mm	211 mm	211 mm	211 mm	211 mm	211 mm	211 mm	211 mm
Approach angle (at curb weight)	21.7 degr	21.7 degr	21.7 degr	21.7 degr	21.7 degr	21.7 degr	21.7 degr	21.7 degr	21.7 degr	21.7 degr
Breakover angle (at curb weight)	21.9 degr	21.9 degr	21.9 degr	21.9 degr	21.9 degr	21.9 degr	21.9 degr	21.9 degr	21.9 degr	21.9 degr
Departure angle (at curb weight)	30.4 degr	30.4 degr	30.4 degr	30.4 degr	30.4 degr	30.4 degr	30.4 degr	30.4 degr	30.4 degr	30.4 degr
Wading capability depth at curb weight (max speed 10 km/h)	450 mm	450 mm	450 mm	450 mm	450 mm	450 mm	Up to a depth approximately level with the floor at walking speed	450 mm	450 mm	450 mm
<b>Weight/Miscellaneous</b>										
Weight (Depending on type of engine, gearbox etc.)	1574 kg - 1871 kg	1574 kg - 1871 kg	1574 kg - 1871 kg	1574 kg - 1871 kg	1574 kg - 1871 kg	1574 kg - 1871 kg	1574 kg - 1871 kg	1574 kg - 1871 kg	1574 kg - 1871 kg	1574 kg - 1871 kg
Total Weight (Depending on type of engine, gearbox etc.)	2060 kg - 2290 kg	2								