2019 Volvo XC40 Specifications

	XC40 T3 (156 hp) man	XC40 T4 (190 hp) aut	XC40 T4 AWD (190 hp) aut	XC40 T5 AWD (247 hp) aut	XC40 D3 (150 hp) man/aut	XC40 D3 AWD (150 hp) aut	XC40 D4 AWD (190 hp) aut

Engine

	XC40 T3 (156 hp) man	XC40 T4 (190 hp) aut	XC40 T4 AWD (190 hp) aut	XC40 T5 AWD (247 hp) aut	XC40 D3 (150 hp) man/aut	XC40 D3 AWD (150 hp) aut	XC40 D4 AWD (190 hp) aut
Engines	B3154T	B4204T47	B4204T47	B4204T14	D4204T16	D4204T16	D4204T12
Type	In-line, 3 cyl. turbocharged	In-line, 4 cyl. turbocharged	In-line, 4 cyl. turbocharged	In-line, 4 cyl. turbocharged	In-line 4 cyl. turbo diesel	In-line 4 cyl. turbo diesel	In-line 4 cyl. twin turbo diesel
Configuration	FWD	FWD	AWD	AWD	FWD	AWD	AWD
Displacement	1477 cm^3	1969 cm^3	1969 cm^3	1969 cm^3	1969 cm^3	1969 cm^3	1969 cm^3
Bore	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
Compression ratio	10,5:1	11,3:1	11,3:1	10,8:1	16,0:1	16,0:1	15,8:1
Valves, no/cylinder	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.
DOHC / SOHC	DOHC	DOHC	DOHC	DOHC	DOHC	DOHC	DOHC
Engine management system	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 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 3 - 4 - 2
Engine idling speed (rpm)	900 rpm ± 50	875 rpm ± 50	875 rpm ± 50	875 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	Diesel [1]	Diesel [1]	Diesel [1]
Max engine speed	6000 rpm	6000 rpm	6000 rpm	6000 rpm	4500 rpm	4500 rpm	5000 rpm
Max output, kW (hp)/rpm	115 kW (156 hp) / 5000 rpm	140 kW (190 hp) / 4700 rpm	140 kW (190 hp) / 4700 rpm	182 kW (247 hp) / 5500 rpm	110 kW (150 hp) / 3750 rpm	110 kW (150 hp) / 3750 rpm	140 kW (190 hp) / 4000 rpm
Max torque, Nm/rps	265 / 31 - 64 Nm / rps	300 / 23 - 67 Nm / rps	300 / 23 - 67 Nm / rps	350 / 30 - 80 Nm / rps	320 / 29 - 50 Nm / rps	320 / 29 - 50 Nm / rps	400 / 29 - 42 Nm / rps

[1] According to EN590 Maximum biodiesel (FAME) content 7%

Transmissions

	XC40 T3 (156 hp) man	XC40 T4 (190 hp) aut	XC40 T4 AWD (190 hp) aut	XC40 T5 AWD (247 hp) aut	XC40 D3 (150 hp) man/aut	XC40 D3 AWD (150 hp) aut	XC40 D4 AWD (190 hp) aut
Transmissions	M76 R6.2	AW TG-81SC	-	-	M76 R7.0 / AW TG-81SC	-	-
First Gear	3,583	5,250	-	-	3,583 / 5,250	-	-
Second Gear	2,048	3,029	-	-	2,048 / 3,029	-	-
Third Gear	1,310	1,950	-	-	1,290 / 1,950	-	-
Fourth Gear	0,919	1,457	-	-	0,886 / 1,457	-	-
Fifth Gear	0,690	1,221	-	-	0,651 / 1,221	-	-
Sixth Gear	0,578	1,000	-	-	0,511 / 1,000	-	-
Seventh Gear	-	0,809	-	-	- / 0,809	-	-
Eighth Gear	-	0,673	-	-	- / 0,673	-	-
Reverse Gear	3,333	4,015	-	-	3,333 / 4,015	-	-
Manual Gearbox / final drive	4,563 (gear 1-6) - 5,214 (gear R)	-	-	-	4,056 (gear 1-6) - 4,563 (gear R)	-	-
Automatic Gearbox / final drive	-	3,329	-	-	3,075	-	-
Transmissions (AWD)	-	-	AW TG-81SC	AW TG-81SC	-	AW TG-81SC	AW TG-81SC
First Gear (AWD)	-	-	5,250	5,250	-	5,250	5,250
Second Gear (AWD)	-	-	3,029	3,029	-	3,029	3,029
Third Gear (AWD)	-	-	1,950	1,950	-	1,950	1,950
Fourth Gear (AWD)	-	-	1,457	1,457	-	1,457	1,457
Fifth Gear (AWD)	-	-	1,221	1,221	-	1,221	1,221
Sixth Gear (AWD)	-	-	1,000	1,000	-	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	-	4,015	4,015
Automatic Gearbox / final drive (AWD)	-	-	3,329	3,329	-	3,200	3,200

Performance

	XC40 T3 (156 hp) man	XC40 T4 (190 hp) aut	XC40 T4 AWD (190 hp) aut	XC40 T5 AWD (247 hp) aut	XC40 D3 (150 hp) man/aut	XC40 D3 AWD (150 hp) aut	XC40 D4 AWD (190 hp) aut
Performance	Manual	Automatic	Automatic	Automatic	Manual / Automatic	Automatic	Automatic
Gearbox	M76 R6.2	AW TG-81SC	AW TG-81SC	AW TG-81SC	M76 R7.0 / AW TG-81SC	AW TG-81SC	AW TG-81SC
Acceleration, 0-100 km/h	9,4 sec	8,4 sec	8,5 sec	6,5 sec	9,9 sec / 10,2 sec	10,4 sec	7,9 sec
Top speed	200 km/h	210 km/h	210 km/h	230 km/h	200 km/h / 200 km/h	200 km/h	210 km/h
Tyre class A Combined, NEDC*, l/100 km / CO^2 g/km [1]	6,2 l/100 km / 144 g/km	6,6 l/100 km / 154 g/km	6,9 l/100 km / 161 g/km	7,1 l/100 km / 164 g/km	4,8 l/100 km / 127 g/km / 5,0 l/100 km / 131 g/km	5,4 l/100 km / 141 g/km	5,0 l/100 km / 131 g/km
Tyre class B Combined, NEDC*, l/100 km / CO^2 g/km [1]	6,3 l/100 km / 146 g/km	6,7 l/100 km / 156 g/km	7,0 l/100 km / 163 g/km	7,1 l/100 km / 166 g/km	4,9 l/100 km / 128 g/km / 5,0 l/100 km / 132 g/km	5,4 l/100 km / 142 g/km	5,0 l/100 km / 133 g/km
Tyre class C Combined, NEDC*, l/100 km / CO^2 g/km [1]	6,4 l/100 km / 148 g/km	6,8 l/100 km / 158 g/km	7,1 l/100 km / 165 g/km	7,2 l/100 km / 168 g/km	4,9 l/100 km / 130 g/km / 5,1 l/100 km / 134 g/km	5,5 l/100 km / 144 g/km	5,1 l/100 km / 135 g/km
Combined, WLTP (low-high)	7,1 - 7,7 / 160 - 174	7,7 - 8,3 / 174 - 189	8,0 - 8,7 / 181 - 198	8,3 - 9,1 / 189 - 205	- / - // - / -	- / -	6,4 - 7,1 / 166 - 185

[1] * NEDC figures correlated from WLTP based testing

Measurements and Volumes

	XC40 T3 (156 hp) man	XC40 T4 (190 hp) aut	XC40 T4 AWD (190 hp) aut	XC40 T5 AWD (247 hp) aut	XC40 D3 (150 hp) man/aut	XC40 D3 AWD (150 hp) aut	XC40 D4 AWD (190 hp) aut
Length	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
Width (mirrors folded)	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
Height (Including shark fen)	1652 mm	1652 mm	1652 mm	1652 mm	1652 mm	1652 mm	1652 mm
Height with open tailgate/trunklid (H110)	2155 mm	2155 mm	2155 mm	2155 mm	2155 mm	2155 mm	2155 mm
Wheelbase	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
Track, rear	1626 mm	1626 mm	1626 mm	1626 mm	1626 mm	1626 mm	1626 mm
Ground clearance	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
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
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
Wading capability depth at curb weight (max speed 10 km/h)	450 mm	450 mm	450 mm	450 mm	450 mm	450 mm	450 mm

Weight/Miscellaneous

	XC40 T3 (156 hp) man	XC40 T4 (190 hp) aut	XC40 T4 AWD (190 hp) aut	XC40 T5 AWD (247 hp) aut	XC40 D3 (150 hp) man/aut	XC40 D3 AWD (150 hp) aut	XC40 D4 AWD (190 hp) aut
Weight (Depending on type of engine, gearbox etc.)	1568 kg - 1735 kg	1568 kg - 1735 kg	1568 kg - 1735 kg	1568 kg - 1735 kg	1568 kg - 1735 kg	1568 kg - 1735 kg	1568 kg - 1735 kg
Total Weight (Depending on type of engine, gearbox etc.)	2060 kg - 2250 kg	2060 kg - 2250 kg	2060 kg - 2250 kg	2060 kg - 2250 kg	2060 kg - 2250 kg	2060 kg - 2250 kg	2060 kg - 2250 kg
Max trailer weight, Unbraked (Max)	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg	750 kg
Max trailer weight, Braked (Max)	1600 kg	1800 kg	2000 kg	2100 kg	1600 kg / 1800 kg	2000 kg	2100 kg
Fuel tank, Petrol	54 l	54 l	54 l	54 l	-	-	-
Fuel tank, Diesel	-	-	-	-	54 l	54 l	54 l
Aerodynamics, (Cd)	0,34 - 0,37	0,34 - 0,37	0,34 - 0,37	0,34 - 0,37	0,34 - 0,37	0,34 - 0,37	0,34 - 0,37
Aerodynamics, (Frontal area)	2,56 m^2	2,56 m^2	2,56 m^2	2,56 m^2	2,56 m^2	2,56 m^2	2,56 m^2
Max roof load	75 kg	75 kg	75 kg	75 kg	75 kg	75 kg	75 kg
SCR tank [1]	-	-	-	-	14,5 l	14,5 l	14,5 l

[1] = Market codes, D4204T16: 10, 14, 15, 19, 26, 48, 49 / D4204T12: 10, 14, 15, 19, 26, 48, 49

Interior Measurements

	XC40 T3 (156 hp) man	XC40 T4 (190 hp) aut	XC40 T4 AWD (190 hp) aut	XC40 T5 AWD (247 hp) aut	XC40 D3 (150 hp) man/aut	XC40 D3 AWD (150 hp) aut	XC40 D4 AWD (190 hp) aut
Headroom without panorama roof (front) (Maximum)	1030 mm	1030 mm	1030 mm	1030 mm	1030 mm	1030 mm	1030 mm
Headroom with panorama roof (front) (Maximum)	997 mm	997 mm	997 mm	997 mm	997 mm	997 mm	997 mm
Headroom without panorama roof (front/rear)	991 mm / 994 mm	991 mm / 994 mm	991 mm / 994 mm	991 mm / 994 mm	991 mm / 994 mm	991 mm / 994 mm	991 mm / 994 mm
Headroom with panorama roof (front/rear)	955 mm / 974 mm	955 mm / 974 mm	955 mm / 974 mm	955 mm / 974 mm	955 mm / 974 mm	955 mm / 974 mm	955 mm / 974 mm
Passenger compartment width at shoulder height (front/rear)	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
Leg room (front/rear)	1040 mm / 917 mm	1040 mm / 917 mm	1040 mm / 917 mm	1040 mm / 917 mm	1040 mm / 917 mm	1040 mm / 917 mm	1040 mm / 917 mm
Hip room (front/rear)	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 - 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)	1336 l	1336 l	1336 l	1336 l	1336 l	1336 l	1336 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)	586 l	586 l	586 l	586 l	586 l	586 l	586 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)	901l	901l	901l	901l	901l	901l	901l
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)	460 l	460 l	460 l	460 l	460 l	460 l	460 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) (without spare wheel and recess)	109 l	109 l	109 l	109 l	109 l	109 l	109 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) (without spare wheel)	81 l	81 l	81 l	81 l	81 l	81 l	81 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) (with spare wheel)	73 l	73 l	73 l	73 l	73 l	73 l	73 l
Cargo length from the first seatback to the tailgate measured at - the height of the floor covering (SAE L202-1)	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 (SAE L204-1)	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 height of the floor covering (SAE L202-2)	887 mm	887 mm	887 mm	887 mm	887 mm	887 mm	887 mm
Cargo length from the second seatback to the tailgate measured at - the top of the second seatback (SAE L204-2)	676 mm	676 mm	676 mm	676 mm	676 mm	676 mm	676 mm
Cargo floor height to ground (GCIE H253) (curb weight)	755 mm	755 mm	755 mm	755 mm	755 mm	755 mm	755 mm
Rear opening height (GCIE H202) (car center line)	733 mm	733 mm	733 mm	733 mm	733 mm	733 mm	733 mm
Cargo height (SAE H201) (rear wheel center and car center line)	746 mm	746 mm	746 mm	746 mm	746 mm	746 mm	746 mm
Cargo floor width, min. (GCIE W202) (SAE W201) (between wheel housings)	1004 mm	1004 mm	1004 mm	1004 mm	1004 mm	1004 mm	1004 mm
Rear opening width: upper min. (GCIE W205)	947 mm	947 mm	947 mm	947 mm	947 mm	947 mm	947 mm
Rear opening width at floor, min. (GCIE W207)	1059 mm	1059 mm	1059 mm	1059 mm	1059 mm	1059 mm	1059 mm

Chassis

	XC40 T3 (156 hp) man	XC40 T4 (190 hp) aut	XC40 T4 AWD (190 hp) aut	XC40 T5 AWD (247 hp) aut	XC40 D3 (150 hp) man/aut	XC40 D3 AWD (150 hp) aut	XC40 D4 AWD (190 hp) aut
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
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
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
Steering ratio (angle/angle)	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
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
Turns of steering wheel end to end	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)
Brake disc diameter (front) Brake: 16" / 17" / 18"	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: 15" / 16"	280 mm / 302 mm	280 mm / 302 mm	280 mm / 302 mm	280 mm / 302 mm	280 mm / 302 mm	280 mm / 302 mm	280 mm / 302 mm
Brake disc thickness (front) Brake: 16" / 17" / 18"	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: 15" / 16"	12 mm	12 mm	12 mm	12 mm	12 mm	12 mm	12 mm
Braking distance 100-0 km/h	36 m	36 m	36 m	36 m	36 m	36 m	36 m