

Volvo XC40

ENGINES

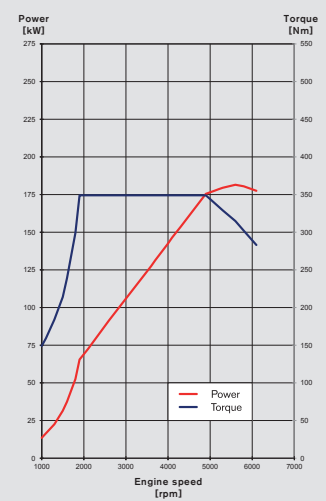
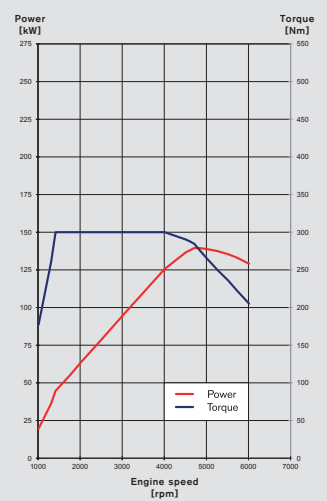
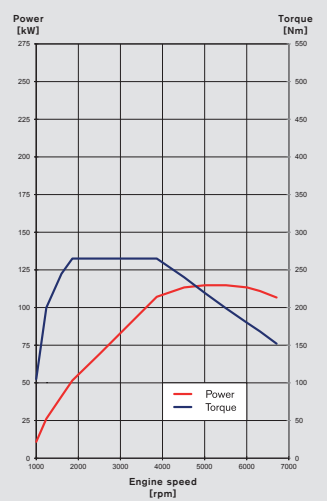
Type
Configuration
Displacement, cm ³
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinder head material
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel, rec. octane
Max output, kW (hp)/rpm
Max torque, Nm/rpm

T3 (B3154T)
In-line 3-cyl. turbocharged
Transverse, front wheel drive
1477
82.0
93.2
Aluminium
Aluminium
10.5:1
4
2
Gasoline direct injection
1 - 3 - 2
900±50
95-98 RON
115 (156)/5000
265/1850-3850

T4/T4 AWD (B4204T47)
In-line 4-cyl. turbocharged
Transverse, front & all wheel drive
1969
82.0
93.2
Aluminium
Aluminium
11.3:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
875±50
95-98 RON
140 (190)/4700
300/1400-4000

T5 AWD (B4204T14)
In-line 4-cyl. turbocharged
Transverse, all wheel drive
1969
82.0
93.2
Aluminium
Aluminium
10.8:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
875±50
95-98 RON
182 (247)/5500
350/1800-4800

POWER AND TORQUE →



Manual gearbox/final drive
Automatic gearbox/final drive

M76 R6.2	4.563
-	-

-	-
AW TG-81SC	3.329/3.329

-	-
AW TG-81SC	3.329

PERFORMANCE

Gearbox
Acceleration, 0-100 km/h (sec)
Top speed, km/h

Manual
9.4
200

Automatic FWD/AWD
8.4 / 8.5
210 / 210

Automatic
6.5
230

FUEL CONSUMPTION

l/100 km / CO ₂ g/km
Tyre class A Combined **
Tyre class B Combined **
Tyre class C Combined **
Combined, WLTP (low-high)

6.2 / 144
6.3 / 146
6.4 / 148
7.1 - 7.7 / 160 - 174

6.6 / 154 / 6.9 / 161
6.7 / 156 / 7.0 / 163
6.8 / 158 / 7.1 / 165
7.7 - 8.3 / 174 - 189 / 8.0 - 8.7 / 181 - 198

7.1 / 164
7.1 / 166
7.2 / 168
8.3 - 9.1 / 189 - 205

** NEDC figures correlated from WLTP based testing

TRANSMISSIONS

6-speed manual gearbox
6 & 8-speed automatic gearbox

RATIO	M66F	M76 R7.0	M76 R6.2	AW TG-81SC
First	3.583	3.583	3.583	5.250
Second	2.050	2.048	2.048	3.029
Third	1.267	1.290	1.310	1.950
Fourth	0.838	0.886	0.919	1.457
Fifth	0.617	0.651	0.690	1.221
Sixth	0.510	0.511	0.578	1.000
Seventh	-	-	-	0.809
Eighth	-	-	-	0.673
Reverse	2.833	3.333	3.333	4.015

ENGINES

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Max torque, Nm/rpm

POWER AND TORQUE →

Manual gearbox/final drive
Automatic gearbox/final drive

PERFORMANCE

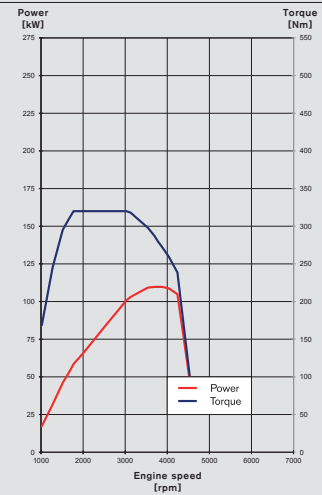
Gearbox
Acceleration, 0-100 km/h (sec)
Top speed, km/h

FUEL CONSUMPTION

l/100 km / CO ₂ g/km
Tyre class A Combined ^{*1}
Tyre class B Combined ^{*1}
Tyre class C Combined ^{*1}
Combined, WLTP (low-high)

^{*1} NEDC figures correlated from WLTP based testing

D3/D3 AWD (D4204T16)
In-line 4-cyl. turbo diesel
Transverse, front & all wheel drive
1969
82.0
93.2
Aluminium
Aluminium
16.0:1
4
2
Electronically controlled common rail direct injection
1 - 3 - 4 - 2
825±150
Diesel ^{*2}
110 (150)/3750
320/1750-3000



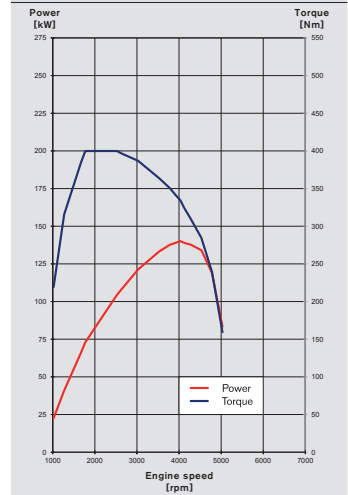
M76 R7.0 / M66F	4.056 / 4.533
AW TG-81SC	3.075 / 3.200

Manual	PWD//AWD	Automatic	PWD//AWD
9.9//10.2		10.2//10.4	
200//200		200//200	

n/a / n/a // n/a / n/a	n/a / n/a // n/a / n/a
n/a / n/a // n/a / n/a	n/a / n/a // n/a / n/a
n/a / n/a // n/a / n/a	n/a / n/a // n/a / n/a
n/a / n/a // n/a / n/a	n/a / n/a // n/a / n/a

^{*2} According to EN590. Maximum biodiesel (FAME) content 7%

D4 AWD (D4204T12)
In-line 4-cyl. twin turbo diesel
Transverse, all wheel drive
1969
82.0
93.2
Aluminium
Aluminium
15.8:1
4
2
Electronically controlled common rail direct injection
1 - 3 - 4 - 2
825±150
Diesel ^{*2}
140 (190)/4000
400/1750-2500



-	
AW TG-81SC	3.200

Automatic
7.9
210

5.0 / 131
5.0 / 133
5.1 / 135
6.4 - 7.1 / 166 - 185

^{*2} According to EN590. Maximum biodiesel (FAME) content 7%

CHASSIS

Suspension	front	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
	rear	Independent Suspension with Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Steering		Electrical Power Assisted Rack
Turning circle, (curb to curb)		11.4 m
Braking system		Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)
Braking distance, 100-0 km/h		36 m
Brake disc diameter	front	296 mm / 322 mm / 345 mm (brake disc; 16"/17"/18")
	rear	280 mm / 302 mm (brake disc; 15"/16")

MEASUREMENTS AND VOLUMES

EXTERIOR MEASUREMENTS (CM)

Length	442.5
Width (body width)	186.3
Width (mirrors folded)	191.0
Width (incl. mirrors)	203.4
Height (incl. shark fin)	165.2
Wheelbase	270.2
Track, front	160.1
Track, rear	162.6
Wading capability *3	45.0
Ground clearance	21.1

WEIGHTS/MISCELLANEOUS

Weight, kg (min-max, depending on setup)	1568 - 1735
Fuel tank, l	54
SCR tank, l *4	14.5
Max. trailer weight, kg	1600 - 2100
Max roof load, kg	75
Approach angle (degr.)	21.7
Breakover angle (degr.)	21.9
Departure angle (degr.)	30.4
Drag coefficient, Cd	0.34 - 0.37

* 3 Depth (at walking speed)

* 4 Market codes;

D4204T16 10, 14, 15, 19, 26, 48, 49 & 50

D4204T12 10, 14, 15, 19, 26, 41, 48, 49 & 50

INTERIOR MEASUREMENTS (CM)

Headroom without panorama roof (front/rear) (H61-1/H61-2)	99.1/99.4
Headroom with panorama roof (front/rear) (H61-1 SR/H61-2 SR)	95.5/97.4
Headroom maximum, without sunroof (front) (H62-1)	103.0
Passenger compartment width at shoulder height (front/rear) (W3-1/W3-2)	144.0/142.9
Leg room (front/rear) (L34/L51-2)	104.0/91.7
Cargo volume, including under floor storage (V211-2) (litres)	460
Cargo volume, including under floor storage (V214-1) (litres)	1336
Cargo length from the first seatback to the tailgate measured at: - the height of the floor covering (L212-1)	167.0
Cargo length from the second seatback to the tailgate measured at: - the height of the floor covering (L212-2)	88.7
Cargo height (rear wheel center and car center line) (H201)	74.6
Rear opening height (car center line) (H202)	73.3
Cargo floor height to ground (curb weight) (H253)	75.5
Cargo floor width, min. (between wheelhouses) (W202)	100.4
Rear opening width (upper, min) (W205)	94.7
Rear opening width (at floor, min) (W207)	105.9

