2013 Volvo V40 Specifications

	Petrol T3	Petrol T4	Petrol T4	Petrol T5	Petrol T5	Diesel D2 (205/tyre)	Diesel D2	Diesel D3	Diesel D4
Engine									
Engines	B4164T3	B4164T	B5204T8	B5204T9	B5254T12	D4162T	D4162T	D5204T6	D5204T4
Type	In-line 4 cyl. Turbo	In-line 4 cyl. Turbo	In-line 5 cyl. Turbo	In-line 5 cyl. Turbo	In-line 5 cyl. Turbo	In-line 4 cyl. Turbodiesel	In-line 4 cyl. Turbodiesel	In-line 5 cyl. Turbodiesel	In-line 5 cyl. Turbodiesel
Configuration	FWD	FWD	FWD	FWD	FWD	FWD	FWD	FWD	FWD
Displacement	1596 cm³	1596 cm³	1984 cm³	1984 cm³	2497 cm³	1560 cm³	1560 cm³	1984 cm³	1984 cm³
Bore	79,0 mm	79,0 mm	81,0 mm	81,0 mm	83,0 mm	75,0 mm	75,0 mm	81,0 mm	81,0 mm
Stroke	81,4 mm	81,4 mm	77,0 mm	77,0 mm	92,3 mm	88,3 mm	88,3 mm	77,0 mm	77,0 mm
Compression ratio	10,0:1	10,0:1	10,5:1	10,5:1	9,5:1	16,0:1	16,0:1	16,5:1	16,5:1
Valves, no/cylinder	4 ea.	4 ea.	4 ea.	4 ea.	4 ea.	2 ea.	2 ea.	4 ea.	4 ea.
DOHC / SOHC	DOHC	DOHC	DOHC	DOHC	DOHC	SOHC	SOHC	DOHC	DOHC
Engine management system	Integrated fuel (SFI) / ignition control system	Integrated fuel (SFI) / ignition control system	Integrated fuel (SFI) / ignition control system	Integrated fuel (SFI) / ignition control system	Integrated fuel (SFI) / ignition control system	Common rail electronic fuelling	Common rail electronic fuelling	Common rail electronic fuelling	Common rail electronic fuelling
Ignition sequence	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3	1 - 3 - 4 - 2	1 - 3 - 4 - 2	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3
Engine idling speed	750 rpm	750 rpm	720 rpm	720 rpm	720 rpm	850 rpm	850 rpm	720 rpm	720 rpm
Fuel, rec. Octane	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	For best performance and lowest fuel consumption 98 RON is recommended. For normal driving 95 RON can be used. 91 RON should only be used in exceptional cases.	Diesel. Cetane Number min 48	Diesel. Cetane Number min 48	Diesel. Cetane Number min 48	Diesel. Cetane Number min 48
Max engine speed	6150 rpm	6150 rpm	6500 rpm	6500 rpm	6500 rpm	5000 rpm	5000 rpm	5000 rpm	5000 rpm
Max output	110 kW (150 hp) / 5700 rpm	132 kW (180 hp) / 5700 rpm	132 kW (180 hp) / 5000 rpm	157 kW (213 hp) / 6000 rpm	187 kW (254 hp) / 5400 rpm	84 kW (115 hp) / 3600 rpm	84 kW (115 hp) / 3600 rpm	110 kW (150 hp) / 3500 rpm	130 kW (177 hp) / 3500 rpm
Max torque	240 / 27 - 67 Nm / rps	240 / 27 - 83 Nm / rps	300 / 45 - 67 Nm / rps	300 / 45 - 83 Nm / rps	360 / 30 - 70 Nm / rps	270 / 29 - 42 Nm / rps	270 / 29 - 42 Nm / rps	350 / 25 - 46 Nm / rps	400 / 29 - 46 Nm / rps
Transmissions									
Transmissions	B6-D2	B6-G5D / MPS6-7	AW TF-80SD	AW TF-80SD	AW TF-80SD	B6-D2	B6-D2	M66D / AW TF-80SD	M66D / AW TF-80SD
First Gear	3,727	3,727 / 3,818	4,148	4,148	4,148	3,727	3,727	3,385 / 4,148	3,385 / 4,148
Second Gear	2,048	2,048 / 2,150	2,370	2,370	2,370	2,048	2,048	1,905 / 2,370	1,905 / 2,370
Third Gear	1,258	1,357 / 1,407	1,556	1,556	1,556	1,258	1,258	1,194 / 1,556	1,194 / 1,556
Fourth Gear	0,919	1,032 / 1,029	1,155	1,155	1,155	0,919	0,919	0,838 / 1,155	0,838 / 1,155
Fifth Gear	0,738	0,821 / 1,188	0,859	0,859	0,859	0,738	0,738	0,652 / 0,859	0,652 / 0,859
Sixth Gear	0,622	0,690 / 0,971	0,686	0,686	0,686	0,622	0,622	0,540 / 0,686	0,540 / 0,686
Reverse Gear	3,818	3,818 / 5,284	3,394	3,394	3,394	3,818	3,818	2,615 / 3,394	2,615 / 3,394
Manual Gearbox/final drive	3,61	3,61	-	-	-	3,35	3,35	3,77	3,77
Automatic Gearbox/final drive	-	3,933	3,46	3,46	3,20	-	-	3,08	3,08
Performance									
Performance	Manual	Manual / Automatic	Automatic	Automatic	Automatic	Manual	Manual	Manual / Automatic	Manual / Automatic
Gearbox	B6-D2	B6-G5D / MPS6-7	AW TF-80SD	AW TF-80SD	AW TF-80SD	B6-D2	B6-D2	M66D / AW TF-80SD	M66D / AW TF-80SD
Acceleration, 0-100 km/h	8,8 sec	7,7 sec / 8,5 sec	8,7 sec	6,9 sec	6,1 sec	11,9 sec	11,9 sec	9,6 sec / 9,3 sec	8,6 sec / 8,3 sec
Top speed, km/h	210 km/h	225 km/h / 225 km/h	220 km/h	230 km/h	250 km/h	190 km/h	190 km/h	210 km/h / 205 km/h	220 km/h / 215 km/h
Fuel consumption (EC 199/100, Combined)	5,3 l/100km	5,5 l/100km / 6,1 l/100km	7,5 l/100km	7,5 l/100km	7,9 l/100km	3,6 l/100km	3,8 l/100km	4,3 l/100km / 5,2 l/100km	4,3 l/100km / 5,2 l/100km
CO^2	124 g/km	129 g/km / 143 g/km	174 g/km	174 g/km	185 g/km	94 g/km	99 g/km	114 g/km /136 g/km	114 g/km /136 g/km
Measurements and Volumes									
Length	4369 mm	4369 mm	4369 mm	4369 mm	4369 mm	4369 mm	4369 mm	4369 mm	4369 mm
Width including mirrors, folded	1857 mm	1857 mm	1857 mm	1857 mm	1857 mm	1857 mm	1857 mm	1857 mm	1857 mm
Width including mirrors, outer edge	2041 mm	2041 mm	2041 mm	2041 mm	2041 mm	2041 mm	2041 mm	2041 mm	2041 mm
Body width	1783 mm	1783 mm	1783 mm	1783 mm	1783 mm	1783 mm	1783 mm	1783 mm	1783 mm
Height (including shark fen)	1439 mm	1439 mm	1439 mm	1439 mm	1439 mm	1439 mm	1439 mm	1439 mm	1439 mm
Wheelbase (L110)	2647 mm	2647 mm	2647 mm	2647 mm	2647 mm	2647 mm	2647 mm	2647 mm	2647 mm
Track, front (46 / 50 / 52,5 mm)	1559 mm / 1551 mm / 1546 mm	1559 mm / 1551 mm / 1546 mm	1559 mm / 1551 mm / 1546 mm	1559 mm / 1551 mm / 1546 mm	1559 mm / 1551 mm / 1546 mm	1559 mm / 1551 mm / 1546 mm	1559 mm / 1551 mm / 1546 mm	1559 mm / 1551 mm / 1546 mm	1559 mm / 1551 mm / 1546 mm
Track, rear (46 / 50 / 52,5 mm)	1546 mm / 1538 mm / 1533 mm	1546 mm / 1538 mm / 1533 mm	1546 mm / 1538 mm / 1533 mm	1546 mm / 1538 mm / 1533 mm	1546 mm / 1538 mm / 1533 mm	1546 mm / 1538 mm / 1533 mm	1546 mm / 1538 mm / 1533 mm	1546 mm / 1538 mm / 1533 mm	1546 mm / 1538 mm / 1533 mm
Ground clearance (Std / Sport chassis)	133 mm / 123 mm	133 mm / 123 mm	133 mm / 123 mm	133 mm / 123 mm	133 mm / 123 mm	133 mm / 123 mm	133 mm / 123 mm	133 mm / 123 mm	133 mm / 123 mm
Weight/Miscellaneous									
Running Order Weight (Depending on type of engine, gearbox etc.)	1345 kg / 1460 kg	1352 kg / 1500 kg	1441 kg / 1549 kg	1441 kg / 1549 kg	1456 kg / 1564 kg	1333 kg / 1462 kg	1333 kg / 1462 kg	1455 kg / 1588 kg	1455 kg / 1588 kg
Total Weight (Depending on type of engine, gearbox etc.)	1910 kg	1940 kg	2010 kg	2010 kg	2010 kg	1890 kg	1890 kg	2020 kg / 2040 kg	2020 kg / 2040 kg
Max trailer weight, Unbraked (Max)	650 kg	650 - 700 kg	700 kg	700 kg	700 kg	650 kg	650 kg	700 kg man / 750 kg aut	700 kg man / 750 kg aut
Max trailer weight, Braked (Max)	1300 kg	1300 - 1500 kg	1500 kg	1500 kg	1500 kg	1300 kg	1300 kg	1500 kg	1500 kg
Fuel tank, Petrol	62 l	62 l	62 l	62 l	62 l	-	-	-	-
Fuel tank, Diesel	-	-	-	-	-	52 l	52 l	60 l	60 l
Aerodynamics, (Cd)	0,31	0,31	0,31	0,31	0,31	0,29	0,29	0,31	0,31
Aerodynamics, (Frontal area)	2,17 m²	2,17 m²	2,17 m²	2,17 m²	2,17 m²	2,17 m²	2,17 m²	2,17 m²	2,17 m²
Max roof load	75 kg	75 kg	75 kg	75 kg	75 kg	75 kg	75 kg	75 kg	75 kg
Interior Measurements									
Headroom with sunroof (front/rear)	948 mm / 922 mm	948 mm / 922 mm	948 mm / 922 mm	948 mm / 922 mm	948 mm / 922 mm	948 mm / 922 mm	948 mm / 922 mm	948 mm / 922 mm	948 mm / 922 mm
Headroom maximum without sunroof (front/rear)	984 mm / 932 mm	984 mm / 932 mm	984 mm / 932 mm	984 mm / 932 mm	984 mm / 932 mm	984 mm / 932 mm	984 mm / 932 mm	984 mm / 932 mm	984 mm / 932 mm
Passenger compartment width at shoulder height (front/rear)	1396 mm / 1349 mm	1396 mm / 1349 mm	1396 mm / 1349 mm	1396 mm / 1349 mm	1396 mm / 1349 mm	1396 mm / 1349 mm	1396 mm / 1349 mm	1396 mm / 1349 mm	1396 mm / 1349 mm
Leg room (front/rear)	1073 mm / 847 mm	1073 mm / 847 mm	1073 mm / 847 mm	1073 mm / 847 mm	1073 mm / 847 mm	1073 mm / 847 mm	1073 mm / 847 mm	1073 mm / 847 mm	1073 mm / 847 mm
Hip room (front/rear)	1374 mm / 1352 mm	1374 mm / 1352 mm	1374 mm / 1352 mm	1374 mm / 1352 mm	1374 mm / 1352 mm	1374 mm / 1352 mm	1374 mm / 1352 mm	1374 mm / 1352 mm	1374 mm / 1352 mm
Cargo length from the second seatback to the tailgate measured at the height of the floor covering (std / opt)	684 mm / 782 mm	684 mm / 782 mm	684 mm / 782 mm	684 mm / 782 mm	684 mm / 782 mm	684 mm / 782 mm	684 mm / 782 mm	684 mm / 782 mm	684 mm / 782 mm
Cargo length from the first seatback to the tailgate measured at the height of the floor covering (std / opt)	1508 mm / 1545 mm	1508 mm / 1545 mm	1508 mm / 1545 mm	1508 mm / 1545 mm	1508 mm / 1545 mm	1508 mm / 1545 mm	1508 mm / 1545 mm	1508 mm / 1545 mm	1508 mm / 1545 mm
Cargo floor height to ground (std / opt)	522 mm / 624 mm	522 mm / 624 mm	522 mm / 624 mm	522 mm / 624 mm	522 mm / 624 mm	522 mm / 624 mm	522 mm / 624 mm	522 mm / 624 mm	522 mm / 624 mm
Rear opening height	532 mm	532 mm	532 mm	532 mm	532 mm	532 mm	532 mm	532 mm	532 mm
Cargo height (rear wheel center and car center line) (std / opt)	760 mm / 644 mm	760 mm / 644 mm	760 mm / 644 mm	760 mm / 644 mm	760 mm / 644 mm	760 mm / 644 mm	760 mm / 644 mm	760 mm / 644 mm	760 mm / 644 mm
Width of luggage compartment between wheelhouses	960 mm	960 mm	960 mm	960 mm	960 mm	960 mm	960 mm	960 mm	960 mm
Rear opening width at floor, min.	916 mm	916 mm	916 mm	916 mm	916 mm	916 mm	916 mm	916 mm	916 mm
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	MacPherson Strut, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Suspension rear	Independent Suspension with Coil Springs, Hydraulic Monotube Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Monotube Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Monotube Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Monotube Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Monotube Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Monotube Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Monotube Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Monotube Shock Absorbers, Stabilizer Bar	Independent Suspension with Coil Springs, Hydraulic Monotube Shock Absorbers, Stabilizer Bar
Steering	Electrically Power Assisted Rack and Pinion Steering	Electrically Power Assisted Rack and Pinion Steering	Electrically Power Assisted Rack and Pinion Steering	Electrically Power Assisted Rack and Pinion Steering	Electrically Power Assisted Rack and Pinion Steering	Electrically Power Assisted Rack and Pinion Steering	Electrically Power Assisted Rack and Pinion Steering	Electrically Power Assisted Rack and Pinion Steering	Electrically Power Assisted Rack and Pinion Steering
Steering (angle/angle)	14,7	14,7	14,7	14,7	14,7	14,7	14,7	14,7	14,7
Turning circle (Curb to curb) (195 and 205 / 225) m	10,8 / 11,7	10,8 / 11,7	10,8 / 11,7	10,8 / 11,7	10,8 / 11,7	10,8 / 11,7	10,8 / 11,7	10,8 / 11,7	10,8 / 11,7
Turning circle (Wall to wall) m	11,2 / 12,0	11,2 / 12,0	11,2 / 12,0	11,2 / 12,0	11,2 / 12,0	11,2 / 12,0	11,2 / 12,0	11,2 / 12,0	11,2 / 12,0
Turns of steering wheel end to end	2,73 / 2,50	2,73 / 2,50	2,73 / 2,50	2,73 / 2,50	2,73 / 2,50	2,73 / 2,50	2,73 / 2,50	2,73 / 2,50	2,73 / 2,50
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)	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)
Brake disc diameter (front)	278 mm / 300 mm / 320 mm	278 mm / 300 mm / 320 mm	278 mm / 300 mm / 320 mm	278 mm / 300 mm / 320 mm	278 mm / 300 mm / 320 mm	278 mm / 300 mm / 320 mm	278 mm / 300 mm / 320 mm	278 mm / 300 mm / 320 mm	278 mm / 300 mm / 320 mm
Brake disc diameter (rear)	280 mm	280 mm	280 mm	280 mm	280 mm	280 mm	280 mm	280 mm	280 mm
Brake disc thickness (front)	25 mm	25 mm	25 mm	25 mm	25 mm	25 mm	25 mm	25 mm	25 mm
Brake disc thickness (rear (General/SiCa light)	11 mm / 13 mm	11 mm / 13 mm	11 mm / 13 mm	11 mm / 13 mm	11 mm / 13 mm	11 mm / 13 mm	11 mm / 13 mm	11 mm / 13 mm	11 mm / 13 mm
Braking distance 100-0 km/h	37 m	37 m	37 m	37 m	37 m	37 m	37 m	37 m	37 m