2014 Volvo V40 Cross Country Specifications

	Petrol T4	Petrol T4	Petrol T5	Petrol T5	Diesel D2	Diesel D3	Diesel D4
Engine							
Engines	B4164T	B5204T8	B5204T9	B5254T12	D4162T	D5204T6	D5204T4
Type	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 5 cyl. Turbodiesel	In-line 5 cyl. Turbodiesel
Configuration	FWD	FWD / AWD	FWD / AWD	FWD / AWD	FWD	FWD	FWD
Displacement	1596 cm³	1984 cm³	1984 cm³	2497 cm³	1560 cm³	1984 cm³	1984 cm³
Bore	79,0 mm	81,0 mm	81,0 mm	83,0 mm	75,0 mm	81,0 mm	81,0 mm
Stroke	81,4 mm	77,0 mm	77,0 mm	92,3 mm	88,3 mm	77,0 mm	77,0 mm
Compression ratio	10,0:1	10,5:1	10,5:1	9,5:1	16,0:1	16,5:1	16,5:1
Valves, no/cylinder	4 ea.	4 ea.	4 ea.	4 ea.	2 ea.	4 ea.	4 ea.
DOHC / SOHC	DOHC	DOHC	DOHC	DOHC	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	Common rail electronic fuelling	Common rail electronic fuelling	Common rail electronic fuelling
Ignition sequence	1 - 3 - 4 - 2	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3	1 - 3 - 4 - 2	1 - 2 - 4 - 5 - 3	1 - 2 - 4 - 5 - 3
Engine idling speed	750 rpm	720 rpm	720 rpm	720 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.	Diesel. Cetane Number min 48	Diesel. Cetane Number min 48	Diesel. Cetane Number min 48
Max engine speed	6150 rpm	6500 rpm	6500 rpm	6500 rpm	5000 rpm	5000 rpm	5000 rpm
Max output	132 kW (180 hp) / 5700 rpm	132 kW (180 hp) / 5700 rpm	157 kW (213 hp) / 6000 rpm	187 kW (254 hp) / 5400 rpm	84 kW (115 hp) / 3600 rpm	110 kW (150 hp) / 3500 rpm	130 kW (177 hp) / 3500 rpm
Max torque	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	350 / 25-46 Nm / rps	400 / 29-46 Nm / rps
Transmissions							
Transmissions	B6-GSO / MPS6-7	AW TF-80SD (FWD) / AW TF-80SD (AWD)	AW TF-80SD (FWD) / AW TF-80SD (AWD)	AW TF-80SD (FWD) / AW TF-80SD (AWD)	B6-D2 / MPS6-4	M66D / AW TF-80SD	M66D / AW TF-80SD
First Gear	3,727 / 3,818	4,148 / 4,148	4,148 / 4,148	4,148 / 4,148	3,727 / 3,583	3,385 / 4,148	3,385 / 4,148
Second Gear	2,048 / 2,150	2,370 / 2,370	2,370 / 2,370	2,370 / 2,370	2,048 / 1,952	1,905 / 2,370	1,905 / 2,370
Third Gear	1,357 / 1,407	1,556 / 1,556	1,556 / 1,556	1,556 / 1,556	1,258 / 1,194	1,194 / 1,556	1,194 / 1,556
Fourth Gear	1,032 / 1,029	1,155 / 1,155	1,155 / 1,155	1,155 / 1,155	0,919 / 0,842	0,838 / 1,155	0,838 / 1,155
Fifth Gear	0,821 / 1,188	0,859 / 0,859	0,859 / 0,859	0,859 / 0,859	0,738 / 0,943	0,652 / 0,859	0,652 / 0,859
Sixth Gear	0,690 / 0,971	0,686 / 0,686	0,686 / 0,686	0,686 / 0,686	0,622 / 0,789	0,540 / 0,686	0,540 / 0,686
Reverse Gear	3,818 / 5,284	3,394 / 3,394	3,394 / 3,394	3,394 / 3,394	3,818 / 4,843	2,615 / 3,394	2,615 / 3,394
Manual Gearbox/final drive	3,61	-	-	-	3,61	4,00	4,00
Automatic Gearbox/final drive	3,933	3,46 / 3,60	3,46 / 3,60	3,20 / 3,33	3,933 (gear 1-4) / 2,682 (gear 5-6+R)	3,20	3,20
Performance							
Performance	Manual / Automatic	Automatic / Automatic	Automatic / Automatic	Automatic / Automatic	Manual / Automatic	Manual / Automatic	Manual / Automatic
Gearbox	B6-GSO / MPS6-7	AW TF-80SD (FWD) / AW TF-80SD (AWD)	AW TF-80SD (FWD) / AW TF-80SD (AWD)	AW TF-80SD (FWD) / AW TF-80SD (AWD)	B6-D2 / MPS6-4	M66D / AW TF-80SD	M66D / AW TF-80SD
Acceleration, 0-100 km/h	7,7 sec / 8,5 sec	7,9 sec / 8,2 sec	6,9 sec / 7,2 sec	6,1 sec / 6,4 sec	11,9 sec / 12,1 sec	9,6 sec / 9,3 sec	8,6 sec / 8,3 sec
Top speed, km/h	210 km/h / 210 km/h	210 km/h / 210 km/h	210 km/h / 210 km/h	210 km/h / 210 km/h	185 km/h / 190 km/h	205 km/h / 200 km/h	210 km/h / 210 km/h
Fuel consumption (EC 199/100, Combined)	5,5 l/100km / 6,1 l/100km	n.a l/100km / 8,0 l/100km	7,5 l/100km / 8,0 l/100km	7,8 l/100km / 8,3 l/100km	3,8 l/100km / 4,1 l/100km	4,4 l/100km / 5,2 l/100km	4,4 l/100km / 5,2 l/100km
CO²	129 g/km / 143 g/km	n.a g/km / 187 g/km	174 g/km / 187 g/km	182 g/km / 194 g/km	99 g/km / 108 g/km	117 g/km / 137 g/km	117 g/km / 137 g/km
Measurements and Volumes							
Length	4370 mm	4370 mm	4370 mm	4370 mm	4370 mm	4370 mm	4370 mm
Width (including mirrors, folded)	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
Body width	1783 mm	1783 mm	1783 mm	1783 mm	1783 mm	1783 mm	1783 mm
Height (including shark fin)	1470 mm	1470 mm	1470 mm	1470 mm	1470 mm	1470 mm	1470 mm
Height (Excluding shark fin)	1458 mm	1458 mm	1458 mm	1458 mm	1458 mm	1458 mm	1458 mm
Wheelbase (L110)	2646 mm	2646 mm	2646 mm	2646 mm	2646 mm	2646 mm	2646 mm
Track, front (50 / 52,5 mm)	1552 mm / 1547 mm	1552 mm / 1547 mm	1552 mm / 1547 mm	1552 mm / 1547 mm	1552 mm / 1547 mm	1552 mm / 1547 mm	1552 mm / 1547 mm
Track, rear (50 / 52,5 mm)	1540 mm / 1535 mm	1540 mm / 1535 mm	1540 mm / 1535 mm	1540 mm / 1535 mm	1540 mm / 1535 mm	1540 mm / 1535 mm	1540 mm / 1535 mm
Ground clearance (Std)	145 mm	145 mm	145 mm	145 mm	145 mm	145 mm	145 mm
Weight/Miscellaneous							
Running Order Weight (Depending on type of engine, gearbox etc.)	1485 kg - 1634 kg	1485 kg - 1634 kg	1485 kg - 1634 kg	1485 kg - 1634 kg	1485 kg - 1634 kg	1485 kg - 1634 kg	1485 kg - 1634 kg
Total Weight (Depending on type of engine, gearbox etc.)	1910 kg - 2070 kg	1910 kg - 2070 kg	1910 kg - 2070 kg	1910 kg - 2070 kg	1910 kg - 2070 kg	1910 kg - 2070 kg	1910 kg - 2070 kg
Max trailer weight, Unbraked (Max)	650 kg man / 700 kg aut	700 kg man	700 kg man / 750 kg aut	700 kg man / 750 kg aut	650 kg / 700 kg	700 kg man / 750 kg aut	700 kg man / 750 kg aut
Max trailer weight, Braked (Max)	1300 kg man - 1500 kg aut	1500 kg	1500 kg	1500 kg	1300 kg	1500 kg	1500 kg
Fuel tank, Petrol	62 l	62 l (57 l AWD)	62 l (57 l AWD)	62 l (57 l AWD)	-	-	-
Fuel tank, Diesel	-	-	-	-	52 l	60 l	60 l
Aerodynamics, (Cd)	0,34	0,34	0,34	0,34	0,33	0,34	0,34
Aerodynamics, (Frontal area)	2,2 m²	2,2 m²	2,2 m²	2,2 m²	2,2 m²	2,2 m²	2,2 m²
Max roof load	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
Headroom 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
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
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
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
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
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
Cargo floor height to ground (std / opt)	553 mm / 655 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
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
Width of luggage compartment between wheelhouses	960 mm	960 mm	960 mm	960 mm	960 mm	960 mm	960 mm
Rear opening with at floor, min.	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
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
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
Turning circle (Curb to curb) (205/225) m	10,9 / 11,3	10,9 / 11,3	10,9 / 11,3	10,9 / 11,3	10,9 / 11,3	10,9 / 11,3	10,9 / 11,3
Turning circle (Wall to wall) m	11,2 / 11,6	11,2 / 11,6	11,2 / 11,6	11,2 / 11,6	11,2 / 11,6	11,2 / 11,6	11,2 / 11,6
Turns of steering wheel end to end	2,73 / 2,65	2,73 / 2,65	2,73 / 2,65	2,73 / 2,65	2,73 / 2,65	2,73 / 2,65	2,73 / 2,65
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)	300 mm / 320 mm	300 mm / 320 mm	300 mm / 320 mm	300 mm / 320 mm	300 mm / 320 mm	300 mm / 320 mm	300 mm / 320 mm
Brake disc diameter (rear)	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
Brake disc thickness (rear)	11 mm	11 mm	11 mm	11 mm	11 mm	11 mm	11 mm
Braking distance 100-0 km/h	37 m	37 m	37 m	37 m	37 m	37 m	37 m