# 2016 Volvo V40 Specifications

| | V40 T2 (122 hp) man | V40 T2 (122 hp) aut | V40 T3 (152 hp) man | V40 T3 (152 hp) aut | V40 T5 (245 hp) aut | V40 D2 (120 hp) man/aut | V40 D2 (120 hp) man | V40 D3 (150 hp) man/aut | V40 D4 (190 hp) man/aut |
|---|---|---|---|---|---|---|---|---|---|
| **Engine** | | | | | | | | | |
| Engines | B4204T38 | B4154T5 | B4204T37 | B4154T4 | B4204T11 | D4204T8 | D4204T8[-1] | D4204T9 | D4204T14 |
| Type | In-line 4 cyl. Turbo | In-line 4 cyl. Turbo | In-line 4 cyl. Turbo | In-line 4 cyl. Turbo | In-line 4 cyl. Turbo | In-line 4 cyl. Turbodiesel | In-line 4 cyl. Turbodiesel | In-line 4 cyl. Turbodiesel | In-line 4 cyl. Turbodiesel |
| Configuration | FWD | FWD | FWD | FWD | FWD | FWD | FWD | FWD | FWD |
| Displacement | 1969 cm³ | 1498 cm³ | 1969 cm³ | 1498 cm³ | 1969 cm³ | 1969 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 |
| Stroke | 93,2 mm | 70,9 mm | 93,2 mm | 70,9 mm | 93,2 mm | 93,2 mm | 93,2 mm | 93,2 mm | 93,2 mm |
| Compression ratio | 11,3:1 | 10,5:1 | 11,3:1 | 10,5:1 | 10,8:1 | 16,0:1 | 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. | 4 ea. | 4 ea. |
| DOHC / SOHC | DOHC | DOHC | DOHC | DOHC | DOHC | DOHC | DOHC | 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 - 3 - 4 - 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 | 850 rpm ± 100 | 850 rpm ± 100 | 850 rpm ± 100 | 850 rpm ± 100 | 850 rpm ± 100 | 825 rpm | 825 rpm | 825 rpm | 825 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. Fuel must comply with EN590 standard. Cetane Number min 48 | Diesel. Fuel must comply with EN590 standard. Cetane Number min 48 | Diesel. Fuel must comply with EN590 standard. Cetane Number min 48 | Diesel. Fuel must comply with EN590 standard. Cetane Number min 48 |
| Max engine speed | 6000 rpm | 6000 rpm | 6000 rpm | 6000 rpm | 6000 rpm | 4500 rpm | 4500 rpm | 4500 rpm | 5000 rpm |
| Max output | 90 kW (122 hp) / 5000 rpm | 90 kW (122 hp) / 5000 rpm | 112 kW (152 hp) / 5000 rpm | 112 kW (152 hp) / 5000 rpm | 180 kW (245 hp) / 5500 rpm | 88 kW (120 hp) / 3750 rpm | 88 kW (120 hp) / 3750 rpm | 110 kW (150 hp) / 3750 rpm | 140 kW (190 hp) / 4250 rpm |
| Max torque | 220 / 18-58 Nm / rps | 220 / 27-58 Nm / rps | 250 / 22-67 Nm / rps | 250 / 28-67 Nm / rps | 350 / 25-80 Nm / rps | 280 / 25-38 Nm / rps | 280 / 25-38 Nm / rps | 320 / 29-50 Nm / rps | 400 / 29-42 Nm / rps |

[-1] = Restricted offer (Sales Version)

## Transmissions

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Transmissions | M66H | AW TF-71SC | M66H | AW TF-71SC | AW TG-81SC | M66F / AW TF-71SC | M66F | M66F / AW TF-71SC | M66H / AW TG-81SC |
| First Gear | 3,385 | 4,044 | 3,385 | 4,044 | 5,250 | 3,583 / 4,044 | 3,583 | 3,583 / 4,044 | 3,385 / 5,250 |
| Second Gear | 1,952 | 2,371 | 1,952 | 2,371 | 3,029 | 2,050 / 2,371 | 2,050 | 2,050 / 2,371 | 1,952 / 3,029 |
| Third Gear | 1,267 | 1,556 | 1,267 | 1,556 | 1,950 | 1,267 / 1,556 | 1,267 | 1,267 / 1,556 | 1,267 / 1,950 |
| Fourth Gear | 0,868 | 1,159 | 0,868 | 1,159 | 1,457 | 0,838 / 1,159 | 0,838 | 0,838 / 1,159 | 0,868 / 1,457 |
| Fifth Gear | 0,652 | 0,852 | 0,652 | 0,852 | 1,221 | 0,617 / 0,852 | 0,617 | 0,617 / 0,852 | 0,652 / 1,221 |
| Sixth Gear | 0,540 | 0,672 | 0,540 | 0,672 | 1,000 | 0,510 / 0,672 | 0,510 | 0,510 / 0,672 | 0,540 / 1,000 |
| Seventh Gear | - | - | - | - | 0,809 | - | - | - | - / 0,809 |
| Eighth Gear | - | - | - | - | 0,673 | - | - | - | - / 0,673 |
| Reverse Gear | 2,692 | 3,193 | 2,692 | 3,193 | 4,015 | 2,833 / 3,193 | 2,833 | 2,833 / 3,193 | 2,692 / 4,015 |
| Manual Gearbox/final drive | 4,267 (gear 1-6) - 5,333 (gear R) | - | 4,267 (gear 1-6) - 5,333 (gear R) | - | - | 3,882 (gear 1-6) - 4,714 (gear R) | 3,565 (gear 1-6) - 4,316 (gear R) | 3,882 (gear 1-6) - 4,714 (gear R) | 3,773 (gear 1-6) - 4,622 (gear R) |
| Automatic Gearbox/final drive | - | 3,365 | - | 3,365 | 2,770 | 3,365 | - | 3,365 | 2,666 |

## Performance

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Performance | Manual | Automatic | Manual | Automatic | Automatic | Manual / Automatic | Manual | Manual / Automatic | Manual / Automatic |
| Gearbox | M66H | AW TF-71SC | M66H | AW TF-71SC | AW TG-81SC | M66F / AW TF-71SC | M66F | M66F / AW TF-71SC | M66H / AW TG-81SC |
| Acceleration, 0-100 km/h | 9,8 sec | 9,8 sec | 8,3 sec | 8,3 sec | 6,3 sec | 10,5 sec / 10,5 sec | 10,7 sec | 8,4 sec / 8,4 sec | 7,4 sec / 7,2 sec |
| Top speed, km/h | 190 km/h | 190 km/h | 210 km/h | 210 km/h | 240 km/h | 190 km/h / 190 km/h | 190 km | 210 km/h / 210 km/h | 230 km/h / 230 km/h |
| Fuel consumption (EC 199/100, Combined) | 5,5 l/100km / 5,4 l/100km [-1] | 5,5 l/100km / 5,4 l/100km [-1] | 5,5 l/100km | 5,5 l/100km | 5,9 l/100km | 3,6 l/100km (3,5 l/100km*) / 3,8 l/100km (3,7 l/100km*) [-1] | 3,2 l/100km* [-1] | 3,8 l/100km (3,6 l/100km*) / 4,0 l/100km (3,9 l/100km*) [-1] | 3,8 l/100km (3,7 l/100km*) / 4,2 l/100km (4,0 l/100km*) [-1] |
| $CO^2$ | 127 g/km / 125 g/km* [-1] | 129 g/km / 125 g/km* [-1] | 127 g/km | 129 g/km | 137 g/km | 94 g/km (91 g/km*) / 101 g/km (97 g/km*) | 82 g/km* [-1] | 99 g/km (95 g/km*) / 104 g/km (101 g/km*) [-1] | 99 g/km (96 g/km*) / 109 g/km (106 g/km*) [-1] |

[-1] = Restricted offer (Sales Version)

## 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 fin) | 1439 mm | 1439 mm | 1439 mm | 1439 mm | 1439 mm | 1439 mm | 1439 mm | 1439 mm | 1439 mm |
| Height (Excluding shark fin) | 1420 mm | 1420 mm | 1420 mm | 1420 mm | 1420 mm | 1420 mm | 1420 mm | 1420 mm | 1420 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 - 144 mm / 121 - 133 mm | 133 - 144 mm / 121 - 133 mm | 133 - 144 mm / 121 - 133 mm | 133 - 144 mm / 121 - 133 mm | 133 - 144 mm / 121 - 133 mm | 133 - 144 mm / 121 - 133 mm | 133 - 144 mm / 121 - 133 mm | 133 - 144 mm / 121 - 133 mm | 133 - 144 mm / 121 - 133 mm |

## Weight/Miscellaneous

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Running Order Weight (Depending on type of engine, gearbox etc.) | 1546 kg - 1615 kg | 1546 kg - 1615 kg | 1546 kg - 1615 kg | 1546 kg - 1615 kg | 1546 kg - 1615 kg | 1546 kg - 1615 kg | 1546 kg - 1615 kg | 1546 kg - 1615 kg | 1546 kg - 1615 kg |
| Total Weight (Depending on type of engine, gearbox etc.) | 1965 kg - 2025 kg | 1965 kg - 2025 kg | 1965 kg - 2025 kg | 1965 kg - 2025 kg | 1965 kg - 2025 kg | 1965 kg - 2025 kg | 1965 kg - 2025 kg | 1965 kg - 2025 kg | 1965 kg - 2025 kg |
| Max trailer weight, Unbraked (Max) | 700 kg | 700 kg | 700 kg | 700 kg | 700 kg | 700 kg | 700 kg | 700 kg | 700 kg man / 700 kg aut |
| Max trailer weight, Braked (Max) | 1500 kg | 1500 kg | 1500 kg | 1500 kg | 1500 kg | 1500 kg | 1500 kg | 1500 kg | 1500 kg |
| Fuel tank, Petrol | 62 l | 62 l | 62 l | 62 l | 62 l | - | - | - | - |
| Fuel tank, Diesel | - | - | - | - | - | 62 l | 40 l | 62 l | 62 l |
| Aerodynamics, (Cd) | 0,29 - 0,32 | 0,29 - 0,32 | 0,29 - 0,32 | 0,29 - 0,32 | 0,29 - 0,32 | 0,29 - 0,32 | 0,29 - 0,32 | 0,29 - 0,32 | 0,29 - 0,32 |
| 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) | 10,8 m / 11,7 m | 10,8 m / 11,7 m | 10,8 m / 11,7 m | 10,8 m / 11,7 m | 10,8 m / 11,7 m | 10,8 m / 11,7 m | 10,8 m / 11,7 m | 10,8 m / 11,7 m | 10,8 m / 11,7 m |
| Turning circle (Wall to wall) | 11,2 m / 12,0 m | 11,2 m / 12,0 m | 11,2 m / 12,0 m | 11,2 m / 12,0 m | 11,2 m / 12,0 m | 11,2 m / 12,0 m | 11,2 m / 12,0 m | 11,2 m / 12,0 m | 11,2 m / 12,0 m |
| 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 |