Volvo V40 Cross Country

**ENGINES**
- **Type**: In-line 4-cyl, turbocharged
- **Configuration**: Transverse, front wheel drive
- **Displacement, cm³**: 1969
- **Bore (mm)**: 82.0
- **Stroke (mm)**: 93.2
- **Engine cylinder block material**: Aluminium
- **Cylinder head material**: Aluminium
- **Compression ratio**: 11:3:1
- **Valves, no/cylinder**: 4
- **Camshafts**: 2
- **Engine management system**: Gasoline direct injection
- **Ignition sequence**: 1 - 3 - 4 - 2
- **Engine idling speed, rpm**: 850±100
- **Fuel, rec. octane**: 95–98 RON
- **Max output, kW (hp)/rpm**: 112 (152)/5000
- **Max torque, Nm/rpm**: 250/1300-4000

**POWER AND TORQUE**

**Manual gearbox/final drive**
- **M76 R6.2**: 4.056

**Automatic gearbox/final drive**
- **AW TF-71SC**: 3365

**TRANSMISSIONS**
- **6-speed manual gearbox**
- **6-speed automatic gearbox**
- **8-speed automatic gearbox**

**RATIO**
- **M66H**: First 3,385, Second 1,952, Third 1,267, Fourth 0.868, Fifth 0.652, Sixth 0.540, Seventh -, Eighth -, Reverse 2,692
- **M76 R6.2**: First 3,583, Second 2,048, Third 1,290, Fourth 0.886, Fifth 0.690, Sixth 0.578, Seventh -, Eighth -, Reverse 3,333
- **M76 R7.0**: First 3,583, Second 2,048, Third 1,290, Fourth 1,159, Fifth 0.852, Sixth 0.672, Seventh -, Eighth -, Reverse 3,333
- **AW TF-71SC**: First 4,044, Second 2,371, Third 1,556, Fourth 1,159, Fifth 0.852, Sixth 0.672, Seventh -, Eighth -, Reverse 3,193
- **AW TG-81SC**: First 5,250, Second 3,029, Third 1,950, Fourth 1,457, Fifth 1,221, Sixth 1,000, Seventh -, Eighth -, Reverse 4,015

**Performance**
- **Gearbox**: Manual
- **Acceleration, 0–100 km/h (sec)**: 9.1
- **Top speed, km/h**: 210
- **Fuel consumption l/100 km (combined)**: 5.6
- **CO₂, g/km**: 128
- **Gearbox**: Automatic
- **Acceleration, 0–100 km/h (sec)**: 8.5
- **Top speed, km/h**: 210
- **Fuel consumption l/100 km (combined)**: 5.6
- **CO₂, g/km**: 131

All figures are preliminary. Volvo Cars reserves the right to make changes in the specifications without any notice.
## 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 and Pinion Steering
- **Turning circle, (curb to curb):** 10.9 m/11.3 m (Tire (width) 225/225)
- **Braking system:**
  - Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)
- **Braking distance, 100–0 km/h:** 37 m
- **Brake disc diameter:**
  - Front: 300 mm/320 mm
  - Rear: 280 mm

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**ENGINES**

- **Type**
  - D2 (D4204T8)
  - In-line 4-cyl. turbo diesel
  - D3 (D4204T9)
  - In-line 4-cyl. turbo diesel
  - D4 (D4204T14)
  - In-line 4-cyl. twin turbo diesel
- **Configuration**
  - Transverse, front wheel drive
- **Displacement, cm³**
  - D2: 1969
  - D3: 1969
  - D4: 1969
- **Bore (mm)**
  - D2: 82.0
  - D3: 82.0
  - D4: 82.0
- **Stroke (mm)**
  - D2: 93.2
  - D3: 93.2
  - D4: 93.2
- **Engine cylinder block material**
  - Aluminium
- **Cylinder head material**
  - Aluminium
- **Compression ratio**
  - 16.0:1
- **Valves, no/cylinder**
  - 4/2
- **Camshafts**
  - Electronically controlled
- **Engine management system**
  - Common rail direct injection
- **Ignition sequence**
  - 1 - 3 - 4 - 2
- **Engine idling speed, rpm**
  - D2: 850±150
  - D3: 825±50
  - D4: 888±150
- **Fuel**
  - Diesel
- **Max output, kW (hp)/rpm**
  - D2: 88 (120)/3750
  - D3: 110 (150)/3750
  - D4: 140 (190)/4250
- **Max torque, Nm/rpm**
  - D2: 280 /1500-2250
  - D3: 320/1750-3000
  - D4: 400/1750-2500

**POWER AND TORQUE**

- **Manual gearbox/final drive**
  - M76 R7.0
  - AW TF-71SC
  - Manual
  - Automatic
- **Automatic gearbox/final drive**
  - AW TG-81SC
  - 2.666

**PERFORMANCE**

- **Gearbox**
- Acceleration, 0–100 km/h (sec)
  - Manual: 10.6
  - Automatic: 10.6
  - Top speed, km/h
  - Manual: 190
  - Automatic: 190
  - Fuel consumption l/100 km (combined)
  - Manual: 3.8
  - Automatic: 3.9
  - CO₂ g/km
  - Manual: 99
  - Automatic: 104

*According to EN590
Minimum biodiesel (FAME) content 7%
### MEASUREMENTS AND VOLUMES

#### EXTERIOR MEASUREMENTS (CM)

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>437.0</td>
</tr>
<tr>
<td>Width (body width)</td>
<td>178.3</td>
</tr>
<tr>
<td>Width (including outer mirrors)</td>
<td>204.1</td>
</tr>
<tr>
<td>Height (body height)</td>
<td>145.8</td>
</tr>
<tr>
<td>Height (including shark fin antenna)</td>
<td>147.0</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>284.7</td>
</tr>
<tr>
<td>Track, front, (50 mm/52.5 mm)</td>
<td>155.2/154.7</td>
</tr>
<tr>
<td>Track, rear, (50 mm/52.5 mm)</td>
<td>154.0/153.5</td>
</tr>
<tr>
<td>Ground clearance, curb</td>
<td>14.4-15.3</td>
</tr>
</tbody>
</table>

#### WEIGHTS/MISCELLANEOUS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight, kg (min–max, depending on setup)</td>
<td>1569-1643</td>
</tr>
<tr>
<td>Fuel tank, l</td>
<td>57**/62</td>
</tr>
<tr>
<td>Max. trailer weight, kg</td>
<td>1500</td>
</tr>
<tr>
<td>Max roof load, kg</td>
<td>75</td>
</tr>
<tr>
<td>Drag coefficient, Cd</td>
<td>0.32/0.34</td>
</tr>
</tbody>
</table>

* = all wheel drive

#### INTERIOR MEASUREMENTS (CM)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Headroom, maximum (front/rear) (H62-1/H61-2 SR)</td>
<td>98.4/93.2</td>
</tr>
<tr>
<td>Passenger compartment width at shoulder height (front/rear) (W3-1/W3-2)</td>
<td>139.6/134.9</td>
</tr>
<tr>
<td>Leg room (front/rear) (L34/L31-2)</td>
<td>107.3/84.7</td>
</tr>
<tr>
<td>Cargo volume, including under floor storage (l) (V211-2)</td>
<td>324</td>
</tr>
<tr>
<td>Cargo length from the second seatback to the tailgate measured at:</td>
<td></td>
</tr>
<tr>
<td>- the height of the floor covering (std/opt) (SAE L202-2)</td>
<td>68.4/78.2</td>
</tr>
<tr>
<td>Cargo length from the first seatback to the tailgate measured at:</td>
<td></td>
</tr>
<tr>
<td>- the height of the floor covering (std/opt) (SAE L202-1)</td>
<td>150.8/154.5</td>
</tr>
<tr>
<td>Height of luggage compartment (H201) (std/opt)</td>
<td>76.0/64.4</td>
</tr>
<tr>
<td>Width of luggage compartment between wheelhouses (W201)</td>
<td>96.0</td>
</tr>
<tr>
<td>Rear cargo opening width (GCIE W207)</td>
<td>91.6</td>
</tr>
</tbody>
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