

2025 Volvo V90 Cross Country Technical Specifications	
B6 AWD (300 hp) aut	
ENGINE	
Engines	B420T
Type	In-line, 4 cyl. supercharged and turbocharged
Configuration	AWD
Displacement	1969 cm³
Bore	82,0 mm
Stroke	93,2 mm
Engine cylinder block material	Aluminum
Cylinder head material	Aluminum
Compression ratio	9,0:1
Valves, no/cylinder	4 ea.
Camshafts	2 ea.
DOHC / SOHC	DOHC
Engine management system	Gasoline direct injection
Ignition sequence	1 - 3 - 4 - 2
Engine idling speed	770 rpm ± 75
Fuel, rec. Octane	95-98 RON
Max engine speed	6300 rpm
Max output	220 kW (300 hp) / 5400 rpm
Max torque	420 / 35 - 80 Nm / rps
Electrical motor max power (kW)	10 kW
Electrical motor max torque (Nm)	40 Nm
TRANSMISSION	
Transmissions (AWD)	AWF8G55
First Gear (AWD)	5,057
Second Gear (AWD)	3,070
Third Gear (AWD)	2,050
Fourth Gear (AWD)	1,520
Fifth Gear (AWD)	1,262
Sixth Gear (AWD)	1,000
Seventh Gear (AWD)	0,792
Eighth Gear (AWD)	0,661
Reverse Gear (AWD)	3,992
Automatic Gearbox / final drive (AWD)	3,329
PERFORMANCE	
Performance	Automatic
Gearbox	AWF8G55
Acceleration, 0-100 km/h	6,4 sec
Top speed	180 km/h
WLTP "Low" l/100 km / CO ₂ g/km	11,8 - 13,0 l/100 km / 268 - 295 g/km
WLTP "Medium" l/100 km / CO ₂ g/km	8,1 - 8,6 l/100 km / 184 - 195 g/km
WLTP "High" l/100 km / CO ₂ g/km	7,0 - 7,5 l/100 km / 158 - 169 g/km
WLTP "Extra High" l/100 km / CO ₂ g/km	8,1 - 8,8 l/100 km / 184 - 200 g/km
WLTP Combined l/100 km / CO ₂ g/km	8,3 - 8,9 l/100 km / 187 - 202 g/km
DIMENSIONS EXTERIOR	
Length (L103)	4959 mm
Wheelbase (L101)	2941 mm
Front Overhang (L104)	893 mm
Rear Overhang (L105)	1125 mm
Height (Including shark fen) (at curb weight) (H101)	1543 mm
Height (Including shark fen) (at curb weight + 1 person) (H101)	1537 mm
Height with open tailgate/trunklid (H110)	2173 mm
Width (fenders) (W103)	1903 mm
Width (mirrors folded) (W145)	1929 mm
Width (Including mirrors, outer edge) (W144)	2052 mm
Width (Body width) (W116)	1879 mm
Track, front (depending on rim size) (W101-1)	1652 mm - 1655 mm
Track, front (depending on rim size) (W101-2)	1643 mm - 1645 mm
DIMENSIONS INTERIOR	
Headroom without panoramic roof (front) (Maximum) (H62-1)	1026 mm
Headroom with panoramic roof (front) (Maximum) (H62-1 SR)	1006 mm
Headroom without panoramic roof (front/rear) (H61-1 / H61-2)	983 mm / 986 mm
Headroom with panoramic roof (front/rear) (H61-1 SR / H61-2 SR)	959 mm / 957 mm
Passenger compartment width at shoulder height (front/rear) (W3-1 / W3-2)	1460 mm / 1420 mm
Leg room (front/rear) (L34 / L51-2)	1071 mm / 911 mm
Hip room (front/rear) (W5-1 / W5-2)	1432 mm / 1416 mm
GROUND CLEARANCE	
Ground clearance (at curb weight) (H156)	201 mm
Ground clearance (at curb weight + 1 person) (H156)	195 mm
Approach angle (at curb weight) (A116-1)	18,9 degr
Departure angle (at curb weight) (A116-2)	20,8 degr
Breakover angle (at curb weight) (A117)	17,7 degr
WADING CAPABILITY	
Wading capability depth at curb weight (at walking speed)	300 mm
STEERING	
Steering ratio (angle/angle)	16,7
Turning circle (Curb to curb)	11,6 m
Turning circle (Wall to wall)	12,0 m
Turns of steering wheel end to end	2,9 / 3,0
CHASSIS AND BRAKES	
Suspension front	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar
Suspension rear	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar. Optional Air Suspension
Steering	Electric Power Assisted Rack and Pinion Steering
Braking system	Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)
Brake disc diameter (front) (17" / 18")	322 mm / 345 mm
Brake disc diameter (rear) (17")	320 mm
Brake disc thickness (front) (17" / 18")	28 mm / 30 mm
Brake disc thickness (rear) (17")	20 mm
Braking distance 100-0 km/h	35 m
VOLUMES	
Largest Luggage volume - First (V214-1) (Largest volume. Load height limited by the head lining. Front limited by vertical plane tangential to the rear side of the front seatback) Total (including V209)	1517 l
Largest Luggage volume - Second (V214-2) (Second seat up. Load height limited by the headlining. Front limited by vertical plane tangential to the rear side of the front seatback) Total (including V209)	714 l
Open Luggage Compartment - First (V211-1) (Second seat folded. Load height limited to upper edge of the front seatback or lower edge of the rear window) Total (including V209)	904 l
Open Luggage Compartment - Second (V211-2) (Second seat up. Load height limited to the upper edge of the second seatback or second window) Total (including V209)	551 l
Luggage volume, Separate Storage Areas in Luggage Compartment. (V209) (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) - without rep kit and recess - All	68 l
Luggage volume, Separate Storage Areas in Luggage Compartment. (V209) (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) - rep kit	24 l
Luggage volume, Separate Storage Areas in Luggage Compartment. (V209) (Closed storage areas located around the luggage compartments, behind wheel arches, under the floor, or any other area) - with spare wheel	22 l
LENGTHS	
Cargo length from the first seatback to the tailgate measured at - the height of the floor covering (L212-1)	1988 mm
Cargo length from the first seatback to the tailgate measured at - the top of the first seatback (L214-1)	1812 mm
Cargo length from the second seatback to the tailgate measured at - the height of the floor covering (L212-2)	1153 mm
Cargo length from the second seatback to the tailgate measured at - the top of the second seatback (L214-2)	890 mm
HEIGHT	
Cargo floor height to ground (curb weight) (H253)	680 mm
Rear opening height, (car center line) (H202)	704 mm
Cargo height (rear wheel center and car center line) (H201)	759 mm
WIDTHS	
Cargo floor width, min. (Wheelhouse Width - at Floor) (W201)	1100 mm
Rear opening width upper min (W205)	880 mm
Rear opening width at floor, min (W207)	1130 mm
WEIGHT/MISCELLANEOUS	
Weight, kg (min-max, depending on setup) (Curb weight)*MiRO)	1862 kg / 1932 kg
Total Weight (Depending on type of engine, gearbox etc.)	2450 kg
Max trailer weight, Unbraked (Max)	750 kg
Max trailer weight, Braked (Max)	2400 kg
Fuel tank, Petrol	60 l
Aerodynamics, (Cd)	0,35 - 0,37
Aerodynamics, (Frontal area)	2,37 m²
Aerodynamics, (Cd*A)	0,83 - 0,88
Max roof load	100 kg
* MiRO = Mass in Running Order	