

# Volvo V90 Cross Country

CONT'D VOLVO V90 →  
CROSS COUNTRY

## ENGINES

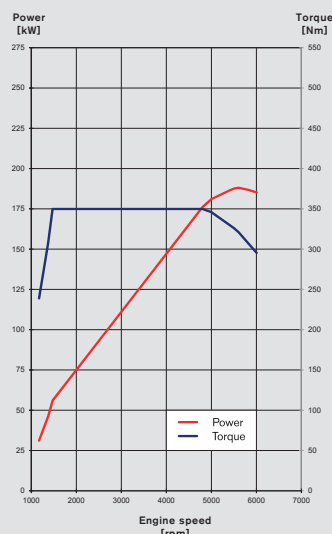
Type
Configuration
Displacement, cm <sup>3</sup>
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinder head material
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel, rec. octane
Max output, kW (hp)/rpm
Max torque, Nm/rpm

## POWER AND TORQUE →

Manual gearbox/final drive
Automatic gearbox/final drive
<b>PERFORMANCE</b>
Gearbox
Acceleration, 0–100 km/h (sec)
Top speed, km/h
Fuel consumption l/100 km (combined)
CO <sub>2</sub> g/km

### T5 AWD (B4204T23)

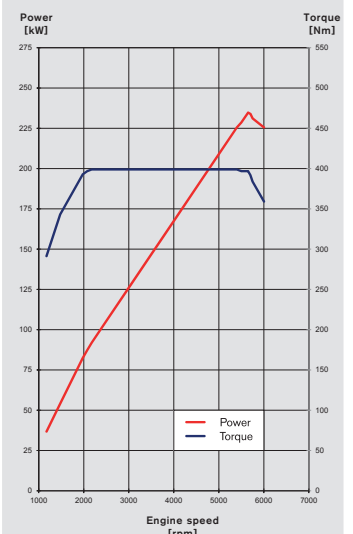
In-line 4-cyl. turbocharged
Transverse, all wheel drive
1969
82.0
93.2
Aluminium
Aluminium
10.8:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
850±100
95–98 RON
187 (254)/5500
350/1500–4800



–	
AW TG-81SC	3.329
	Automatic
	7.4
	230
	7.4
	169

### T6 AWD (B4204T27)

In-line 4-cyl. supercharged and turbocharged
Transverse, all wheel drive
1969
82.0
93.2
Aluminium
Aluminium
10.3:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
850±100
95–98 RON
235 (320)/5700
400/2200–5400



–	
AW TG-81SC	3.329
	Automatic
	6.3
	230
	7.7
	176

## TRANSMISSIONS

6-speed manual gearbox  
6-speed automatic gearbox  
8-speed automatic gearbox

RATIO	M66F	AW TG-81SC	AW TG-81SD
First	3.583	5.250	5.250
Second	2.050	3.029	3.029
Third	1.267	1.950	1.950
Fourth	0.838	1.457	1.457
Fifth	0.617	1.221	1.221
Sixth	0.510	1.000	1.000
Seventh	–	0.809	0.809
Eighth	–	0.673	0.673
Reverse	2.833	4.015	4.015

## ENGINES

Type
Configuration
Displacement, cm <sup>3</sup>
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinder head material
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel
Max output, kW (hp)/rpm
Max torque, Nm/rpm

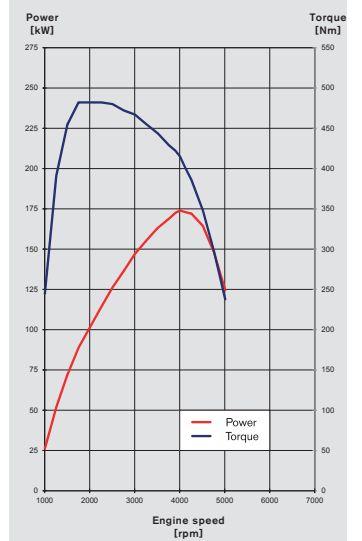
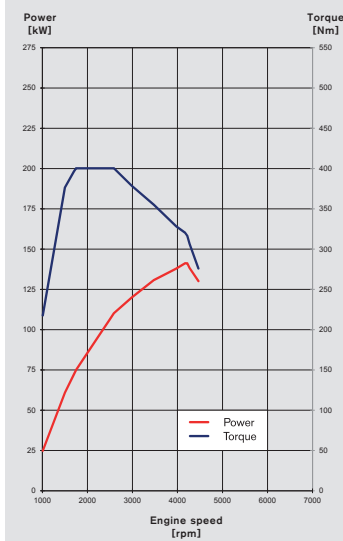
### D4 AWD (D4204T14)

In-line 4-cyl. twin turbo diesel
Transverse, all wheel drive
1969
82.0
93.2
Aluminium
Aluminium
15.8:1
4
2
i-Art common rail direct injection
1 - 3 - 4 - 2
825 ± 150
Diesel*
140 (190)/4250
400/1750-2500

### D5 AWD (D4204T23)

In-line 4-cyl. twin turbo diesel
Transverse, all wheel drive
1969
82.0
93.2
Aluminium
Aluminium
15.8:1
4
2
i-Art common rail direct injection
1 - 3 - 4 - 2
825 ± 150
Diesel*
173 (235)/4000
480/1750-2250

## POWER AND TORQUE →



Manual gearbox/final drive
Automatic gearbox/final drive
<b>PERFORMANCE</b>
Gearbox
Acceleration, 0-100 km/h (sec)
Top speed, km/h
Fuel consumption l/100 km (combined)
CO <sub>2</sub> g/km

M66F	4.533
AW TG-81SC	3.200
Man	Automatic
8.8	8.8
210	210
5.1	5.2
134	138

-	
AW TG-81SC	3.200
	Automatic
	7.5
	230
	5.3
	139

\*According to EN590  
Maximum biodiesel (FAME) content 7%

\*According to EN590  
Maximum biodiesel (FAME) content 7%

## CHASSIS

Suspension	front	Double Wishbone Suspension, Coil Springs, Hydraulic Shock Absorbers, Stabilizer Bar.
	rear	Integral Axle with Transverse Composite Leaf Spring, Hydraulic Shock Absorbers, Stabilizer Bar, Optional Air Suspension
Steering		Electric Power Assisted Rack and Pinion Steering
Turning circle, curb to curb		11.6 m-11.8 m (depending on wheel size)
Braking system		Antilock Braking System (ABS) with Electronic Brake Distribution (EBD) and Electronic Brake Assistance (EBA)
Braking distance, 100-0 km/h		35 m
Brake disc diameter	front	322 mm/345 mm (brake disc; 17",18")
	rear	320 mm

**MEASUREMENTS AND VOLUMES**

**EXTERIOR MEASUREMENTS (CM)**

Length	493.9
Body width	187.9
Width (fender)	190.3
Width (incl mirrors, outhter edge)	205.2
Height (including shark fin antenna)	154.3
Wheelbase	294.1
Overhang (front/rear)	87.3/112.5
Track, front, (18°+19° / 20°+21°)	165.2/165.5
Track, rear, (18°+19° / 20°+21°)	164.3/164.5
Ground clearance, curb	21.0

**WEIGHTS/MISCELLANEOUS**

Weight, kg (min-max, depending on setup)	1920-1966
Fuel tank, l	60
Max. trailer weight, kg	2200*-2500*
Max roof load, kg	100
Approach angle (degr.)	18.9
Breakover angle (degr.)	17.7
Departure angle (degr.)	20.7
Drag coefficient, Cd	0.35-0.37

\* TOWKIT required, otherwise 1800 kg

**INTERIOR MEASUREMENTS (CM)**

Headroom without panoramic sunroof (front/rear) (H61-1/H61-2)	98.3/96.6
Headroom without panoramic sunroof (front/rear) (H61-1-SR/H61-2-SR)	95.9/95.7
Headroom maximum, without panoramic sunroof (front) (H62-1)	102.6
Headroom maximum, without panoramic sunroof (front) (H62-1-SR)	100.6
Passenger compartment width at shoulder height (front/rear) (W3-1/W3-2)	146.0/142.0
Leg room (front/rear) (L34/L51-2)	107.1/91.1
Luggage volume, including under floor storage, litres (V211-1/V214-1)	913/1526
Cargo length from the first seatback to the tailgate (SAE L202-1)	198.8
Cargo length from the second seatback to the tailgate (SAE L202-2)	115.3
Cargo floor height to ground (H253)	68.0
Width of luggage compartment between wheelhouses (W202)	110.0

