

Volvo V90 Cross Country

CONT'D VOLVO V90 CROSS COUNTRY →

ENGINES

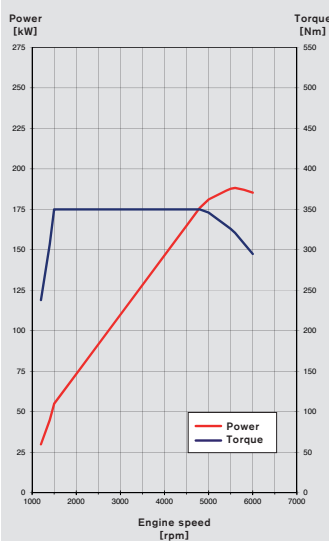
Type
Configuration
Displacement, cm ³
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinder head material
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel, rec. octane
Max output, kW (hp)/rpm
Max torque, Nm/rpm

POWER AND TORQUE →

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

T5 AWD (B4204T23)

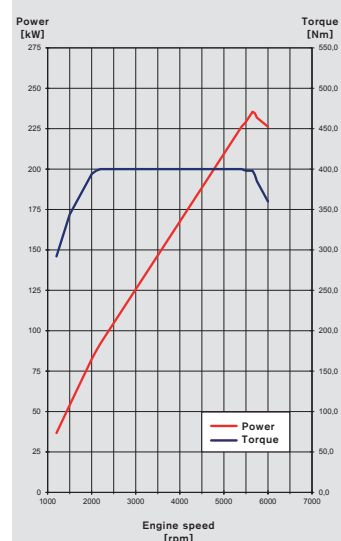
In-line 4-cyl. turbocharged
Transverse, all wheel drive
1969
82.0
93.2
Aluminium
Aluminium
10.8:1
4
2
Gasoline direct injection
1 - 3 - 4 - 2
850±100
95–98 RON
187 (254)/5500
350/1500–4800



-	
AW TG-81SC	3.329
	Autom
	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
	Autom
	6.3
	230
	7.7
	176

TRANSMISSIONS

6-speed manual gearbox.
8-speed automatic gearbox

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

ENGINES

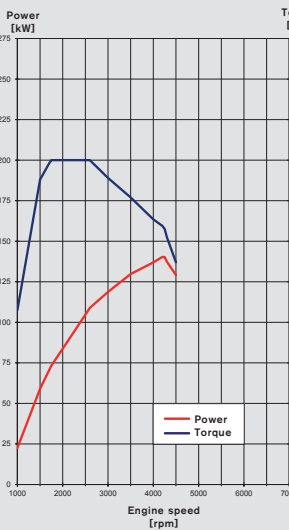
Type
Configuration
Displacement, cm³
Bore (mm)
Stroke (mm)
Engine cylinder block material
Cylinderhead material
Compression ratio
Valves, no/cylinder
Camshafts
Engine management system
Ignition sequence
Engine idling speed, rpm
Fuel
Max output, kW (hp)/rpm
Max torque, Nm/rpm

POWER AND TORQUE →

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

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



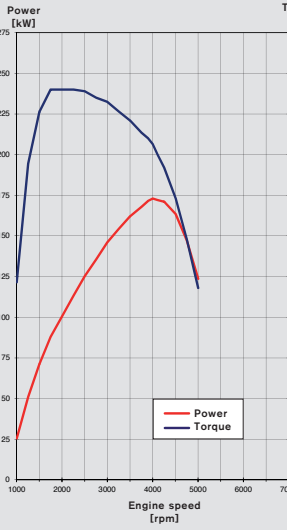
M66F	4.533
AW TG-81SC	3.200

Manual	Automatic
8.8	8.8
210	210
5.1	5.2
134	138

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

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



-	
AW TG-81SC	3.200

Automatic
7.5
230
5.3
139

*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		Power Assisted Rack and Pinion Steering
Turning circle, curb to curb		11.6 m
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 (Brake disc; 17")

MEASUREMENTS AND VOLUMES

EXTERIOR MEASUREMENTS (CM)

Length	493.9
Width (door mouldings)	187.9
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 (depending on version)	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 with 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, with panoramic sunroof (front) (H62-1)	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 (L202-2)	115.3
Cargo floor height to ground (H253)	68.0
Width of luggage compartment between wheelhouses (W202)	110.0

